MAD

AUGUST 2025

PROJECT ID: 5992-11-21, -22, -23, -24, -25, -26, -27, -28

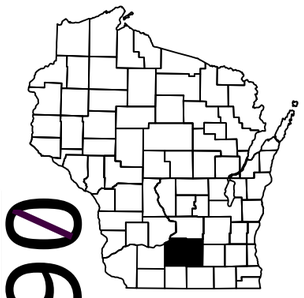
WITH: N/A

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 1482



DESIGN DESIGNATION			LAKESIDE TO NORTHSHORE	NORTHSHORE TO BROOM
A.A.D.T.	(2025)	=	37,300	43,700
A.A.D.T.	(2045)	=	40,500	47,600
D.H.V.		=	3,800	4,500
D.D.		=	59/41	59/41
T.		=	10.2%	10.2%
DESIGN SPEED		=	40 M.P.H.	40 M.P.H
ESALS		=	6,000,000	7,800,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

MONONA BAY BRIDGE B-13-930 SB
STATE PROJECT NUMBER
5992-11-22

MONONA BAY BRIDGE B-13-930 NB
STATE PROJECT NUMBER
5992-11-23

LAKE MONONA BRIDGE B-13-0924 NB
STATE PROJECT NUMBER
5992-11-24

LAKE MONONA BRIDGE B-13-0924 SB
STATE PROJECT NUMBER
5992-11-25

LAKE MONONA BRIDGE B-13-0926 NB
STATE PROJECT NUMBER
5992-11-26

LAKE MONONA BRIDGE B-13-0926 SB
STATE PROJECT NUMBER
5992-11-27

C MADISON, JOHN NOLEN DR
LAKESIDE ST TO NORTH SHORE DR
STATE PROJECT NUMBER
5992-11-28

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF MADISON, JOHN NOLEN DRIVE

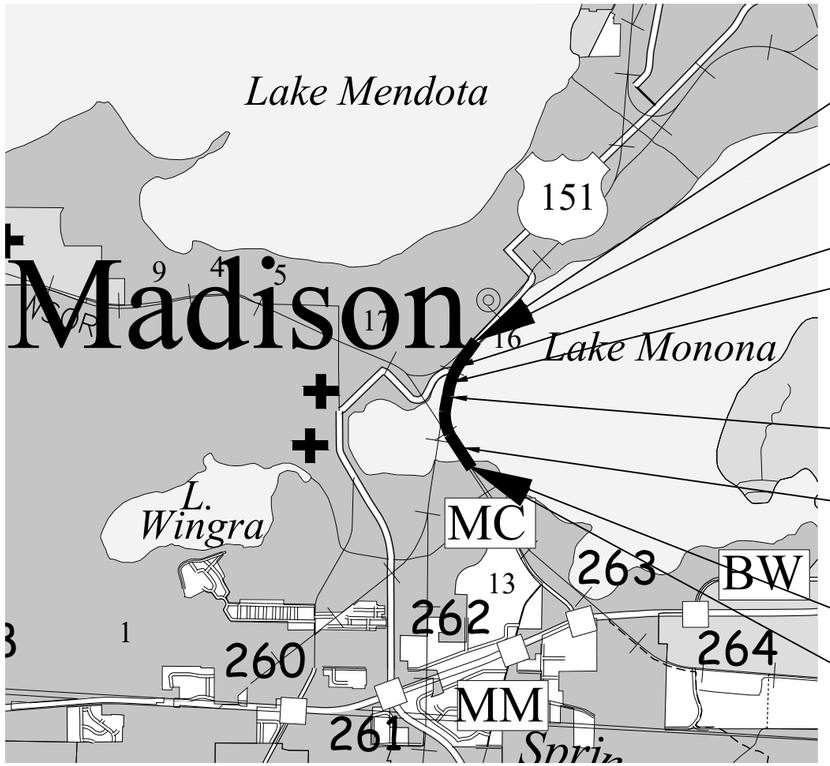
LAKESIDE ST TO NORTH SHORE DR

LOCAL STREET
DANE COUNTY

STATE PROJECT NUMBER
5992-11-21

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5992-11-21	WISC 2024445	1
5992-11-22	WISC 2025579	1
5992-11-23	WISC 2025580	1
5992-11-24	WISC 2025611	1
5992-11-25	WISC 2025612	1
5992-11-26	WISC 2025613	1
5992-11-27	WISC 2025614	1
5992-11-28	WISC 2025581	1

R-9-E



R-9-E

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.947 MILES

END PROJECT 5992-11-21
STA. 129+01.00

END PROJECT 5992-11-28
STA. 122+77.23 'CT'

S-13-579 (5992-11-21)

B-13-926 NB (5992-11-26)
B-13-926 SB (5992-11-27)
B-13-934 (PATH) (5992-11-28)
R-13-409 (5992-11-28)

B-13-924 NB (5992-11-24)
B-13-924 SB (5992-11-25)
B-13-933 (PATH) (5992-11-28)

B-13-930 NB (5992-11-23)
B-13-930 SB (5992-11-22)
B-13-932 (PATH) (5992-11-28)
R-13-407 (5992-11-28)
R-13-408 (5992-11-28)

BEGIN PROJECT 5992-11-28
STA. 69+97.60 'CT'

BEGIN PROJECT 5992-11-21
STA. 78+99.00
Y=476678.04
X=821332.13

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B

ACCEPTED FOR
CITY OF MADISON

Date 04/28/2025 City Engineer
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

KL Engineering
[A] Better Experience

WISCONSIN
DANIEL J. RYAN
E-40769
MADISON
WI
PROFESSIONAL ENGINEER

DATE: 04/25/2025
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KL ENGINEERING, INC.
Designer	KL ENGINEERING, INC.
Project Manager	PROJECT MANAGER
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	REGIONAL SUPERVISOR

APPROVED FOR THE DEPARTMENT
DATE: 04/28/25 ZACHARY PEARSON
(Signature)

E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\010101_TI.DWG PLOT DATE : 4/25/2025 2:55 PM PLOT BY : DAN RYAN PLOT NAME :

ABBREVIATIONS

BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
BLDG.	BUILDING
C/L	CENTERLINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CSW	CONCRETE SIDEWALK
CMCP	CORRUGATED METAL CULVERT PIPE
CP	CULVERT PIPE
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CPT	CONSTRUCTION PERMIT
CTR	CENTER
EAT	ENERGY ABSORBING TERMINAL
EB	EASTBOUND
ELEC	ELECTRIC
EX. OR EXIST	EXISTING
FO	FIBER OPTIC
HMA	HOT MIX ASPHALT
LHF	LEFT HAND FORWARD
MH	MANHOLE
MAX.	MAXIMUM
MIN.	MINIMUM
NB	NORTHBOUND
NOR.	NORMAL
NTS	NOT TO SCALE
PLE	PERMANENT LIMITED EASEMENT
P.E.	PRIVATE ENTRANCE
P.L.	PROPERTY LINE
RW OR R/W	RIGHT-OF-WAY
RAD OR R	RADIUS
R/L	REFERENCE LINE
REQ'D.	REQUIRED
RHF	RIGHT HAND FORWARD
SAN	SANITARY SEWER
SB	SOUTHBOUND
SHLD	SHOULDER
SI	SLOPE INTERCEPT
SW	SIDEWALK
SF	SQUARE FEET
SY	SQUARE YARD
S.D.D.	STANDARD DETAIL DRAWING
STA	STATION
SS	STORM SEWER
TEL	TELEPHONE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
WAT	WATER
WB	WESTBOUND

ORDER OF DETAIL SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAILS - TEMPORARY
PLAN DETAILS
PAVING AND JOINT DETAILS
SHORELINE REVETMENT
CURB RAMP AND PATH DETAILS
RAISED CROSSWALK DETAILS
ADJACENT PROJECT COORDINATION
TEMPORARY FIBER PLANS
FIBER OPTIC PLAN
EROSION CONTROL
STORM SEWER PLAN
TEMPORARY DRAINAGE PLAN
TREE PLAN
SIGNING REMOVALS
PERMANENT SIGNING
ELECTRICAL REMOVALS
TEMPORARY LIGHTING PLAN
UNDERGROUND ELECTRICAL
LIGHTING PLANS
TEMPORARY TRAFFIC SIGNALS
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
FENCING DIAGRAM
ALIGNMENT DIAGRAM
BENCHMARKS AND CONTROL POINTS

DIGGERS HOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

UTILITY CONTACTS

COMMUNICATIONS

AT&T WISCONSIN
GARRETT BARTH
70 E. DIVISION STREET
FOND DU LAC, WI 54935
(920) 957-0327
gb1789@att.com

COMMUNICATIONS

SPECTRUM COMMUNICATIONS
SEAN P O'CONNOR
2701 DANIELS STREET
MADISON, WI 53718
(608) 910-2212
sean.p.oconnor@charter.net

COMMUNICATIONS

CITY OF MADISON ENGINEERING
CITY-COUNTY BUILDING
GRETCHEN AVILES PINEIRO
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
(608) 266-4899
gavilespineiro@cityofmadison.com

COMMUNICATIONS

WIN TECHNOLOGY
TODD ELLICKSON
4955 BULLIS FARM RD
EAU CLAIRE, WI 54701
(608) 852-4072
Todd.Ellickson@wintechnology.com

COMMUNICATIONS

LUMEN/CENTURYLINK
KENT HOLMQUIST
710 E. MIFFLIN ST
MADISON, WI 53703
(606) 598-9667
kent.holmquist@lumen.com

COMMUNICATIONS

WISCONSIN DEPARTMENT OF ADMINISTRATION
JOSHUA MOUNGEY
5830 FEMRITE DR
MADISON, WI 53718
(608) 228-4795
joshua.moungey@wisconsin.gov

COMMUNICATIONS

VERIZON BUSINESS - COMMUNICATION LINE
RJ CICATELLO JR. 15725 WEST RYERSON RD
NEW BERLIN, WI 53151
(262) 782-9836
randy.cicatello@verizon.com

ELECTRIC

CITY OF MADISON ENGINEERING
CITY-COUNTY BUILDING
GRETCHEN AVILES PINEIRO
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
(608) 266-4899
gavilespineiro@cityofmadison.com

ELECTRIC

CITY OF MADISON PARKS
MIKE STURM
330 E LAKESIDE STREET
MADISON, WI 53715
(608) 267-4921
msturm@cityofmadison.com

ELECTRIC

ATC - TRANSMISSION
JEFF VANDERWERFF
801 O'KEEFE RD
DE PERE, WI 54115
(262) 206-4966
jvanderwerff@atcllc.com

ELECTRIC

MADISON GAS AND ELECTRIC (MG&E)
BRIAN BIGGE
P.O. BOX 1231
MADISON, WI 53701
(608) 252-7338
bbigge@mge.com

GAS

MADISON GAS AND ELECTRIC (MG&E)
ROGER AHLES
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-5682
rahles@mge.com

SANITARY

MADISON METROPOLITAN SEWERAGE DISTRICT (MMSD)
RAY SCHNEIDER
1610 MOORLAND ROAD
MADISON, WI 53713
(608) 347-3628
rays@madsewer.org

SANITARY

CITY OF MADISON ENGINEERING
CITY-COUNTY BUILDING
MARK MODER
210 MARTIN LUTHER KING JR. BLVD
MADISON, WI 53703
(608) 261-9688
mmoder@cityofmadison.com

DESIGN CONTACT

KL ENGINEERING
DAN RYAN
5400 KING JAMES WAY, SUITE 200
MADISON, WI 53719
(608)310-3839
dan.ryan@klengineering.com

CITY OF MADISON

CHRIS PETYKOWSKI
CITY-COUNTY BUILDING
210 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53703
(608)267-8678
cpetykowski@cityofmadison.com

DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES
DNR SOUTH CENTRAL REGION
ERIC HEGGELUND
3911 FISH HATCHERY RD.
FITCHBURG, WI 53711
(608) 228-7927
eric.heggelund@wisconsin.gov

GENERAL NOTES

ALL GRADES AND ELEVATIONS PROVIDED ALONG CURB RADII ARE ALONG EDGE OF PAVEMENT.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN IN THE PLAN, ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. CONTACT DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO START OF WORK.

UTILITY REFERENCE LINES ON THE CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL REFERENCE ONLY.

REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALT SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

NO TREES AND/OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER. DO NOT CLEAR OR GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3.

PIPE ELEVATIONS, LENGTHS, AND LOCATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

STATIONING AND OFFSETS TO APRON ENDWALLS FOR STORM SEWER AND CULVERT PIPES ARE SHOWN TO THE END OF THE PIPE.

THE ORDINARY HIGH WATER ELEVATION OF LAKE MONONA IS 845.63

LOCATIONS OF INLETS AND MANHOLES AS SHOWN ON THE STORM SEWER SHEETS ARE BY STATION AND OFFSET TO THE CENTER OF THE STRUCTURE (SEE DETAIL).

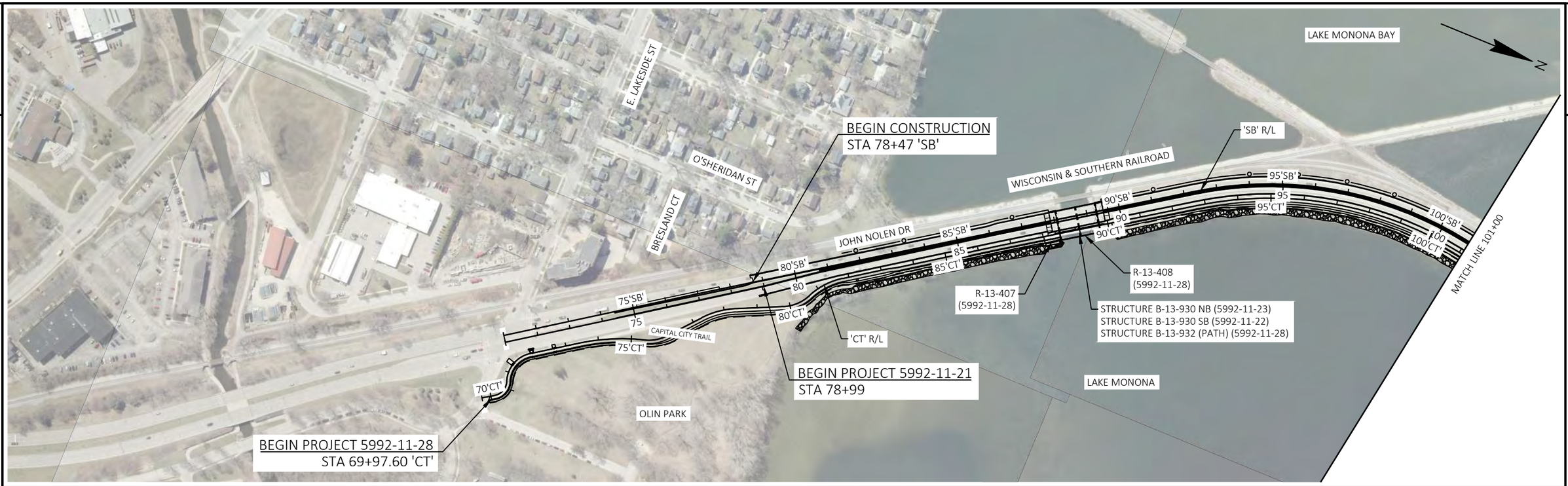
UNDERGROUND LOCATED (ULOS) DATA ACQUIRED DURING DESIGN ARE SHOWN IN THE STORM SEWER PLANS.

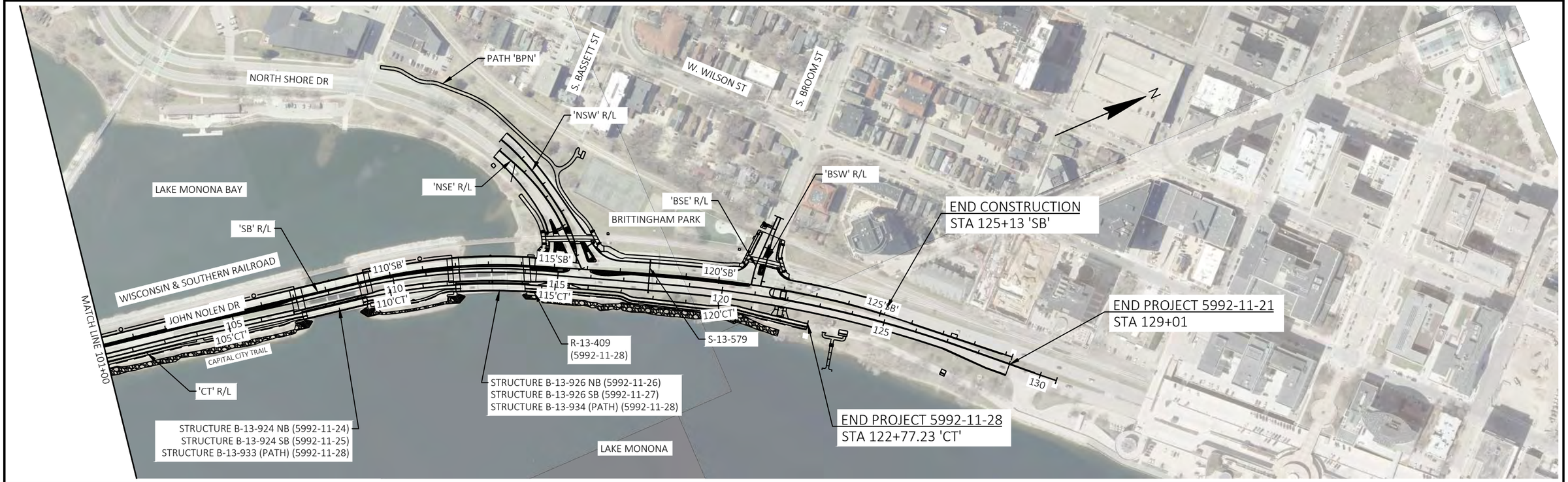
PERMANENT ROADWAYS & PATHS

IDENTIFIER	DESCRIPTION
RL	JOHN NOLEN DRIVE NORTHBOUND
'SB'	JOHN NOLEN DRIVE SOUTHBOUND
'NSE'	NORTH SHORE DRIVE EASTBOUND
'NSW'	NORTH SHORE DRIVE WESTBOUND
'BSE'	BROOM STREET EASTBOUND
'BSW'	BROOM STREET WESTBOUND
'CR'	TEMPORARY PEDESTRIAN RAMP
'CT'	CAPITAL CITY TRAIL
'CS'	CAPITAL CITY SIDEWALK
'BP'	BIKE PATH NORTH SHORE DRIVE
'BPB'	BIKE PATH BASSETT STREET CONNECTION
'FD'	FISHING DOCK
'FDO'	FISHING DOCK OUT
'SSR'	SOUTH SHORELINE REVETMENT
'RR'	WISCONSIN & SOUTHERN RAILROAD
'TCA'	TRAFFIC CONTROL JOHN NOLEN DRIVE STAGE 1
'TCB'	TRAFFIC CONTROL JOHN NOLEN DRIVE STAGE 2
'TCC'	TRAFFIC CONTROL JOHN NOLEN DRIVE STAGE 3
'TCD'	TRAFFIC CONTROL JOHN NOLEN DRIVE STAGE 4
'TBS'	TRAFFIC CONTROL BROOM STREET
'TNSD'	TRAFFIC CONTROL NORTH SHORE DRIVE

2

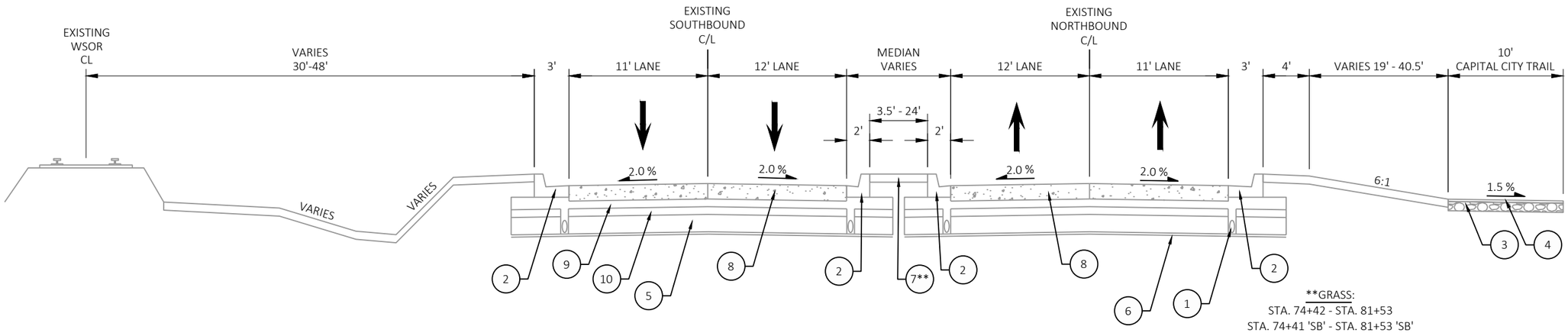
2





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

2



**GRASS:
STA. 74+42 - STA. 81+53
STA. 74+41 'SB' - STA. 81+53 'SB'

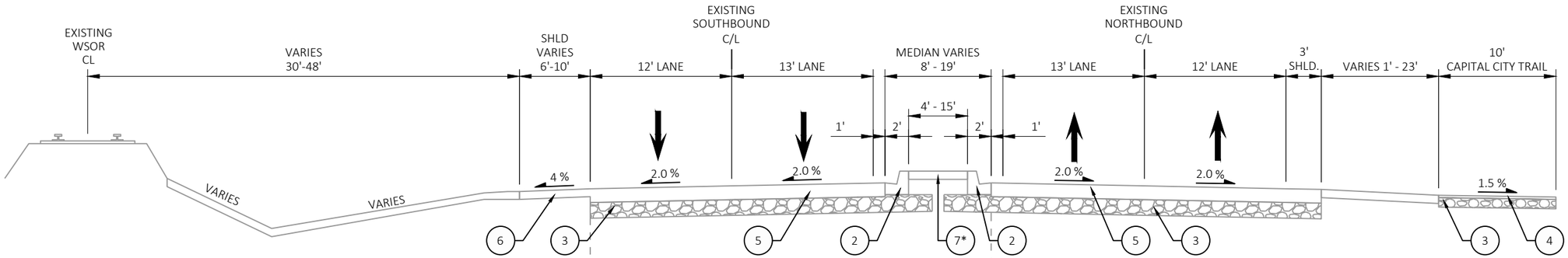
EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 74+42 - STA. 81+53
STA. 74+42 'SB' - STA. 81+53 'SB'

LEGEND

1. 6-INCH PIPE UNDERDRAIN
2. CONCRETE CURB & GUTTER
3. 8-INCH GRAVEL OR CRUSHED STONE BASE COURSE
4. 3-INCH ASPHALT PATH
5. 9-INCH BREAKER RUN
6. GEOTEXTILE FABRIC
7. 2-INCH ASPHALT PAVEMENT OR, 5-INCH CONCRETE SIDEWALK, OR GRASS (SEE NOTE)
8. 9-INCH CONCRETE PAVEMENT, DOWLED
9. 4-INCH CRUSHED AGGREGATE BASE COURSE OPEN GRADED
10. 4-INCH CRUSHED AGGREGATE BASE COURSE

2



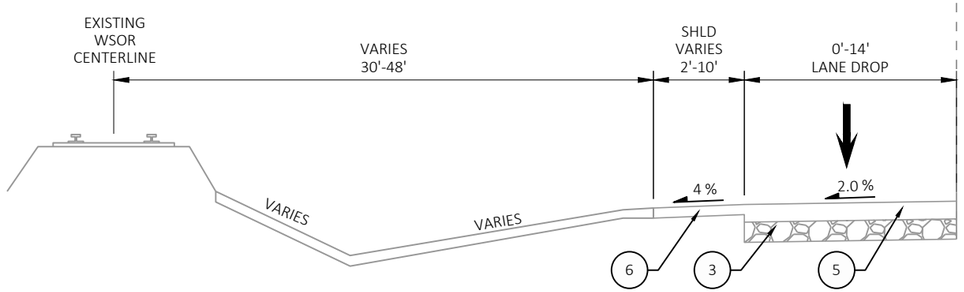
EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 81+53 - STA. 116+15
STA. 81+53 'SB' - STA. 116+83 'SB'

*GRASS:
STA. 81+53 - STA. 85+22
STA. 81+53 'SB' - STA. 85+22 'SB'
STA. 103+15 - STA. 115+08
STA. 103+22 'SB' - STA. 115+21 'SB'

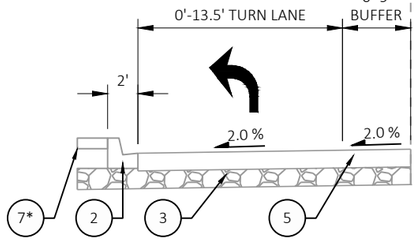
*CONCRETE:
STA. 85+22 - STA. 91+37
STA. 85+22 'SB' - STA. 91+37 'SB'

*ASPHALT:
STA. 91+37 - STA. 103+15
STA. 91+37 'SB' - STA. 103+22 'SB'



PARTIAL EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 103+15 - STA. 114+16
STA. 103+21 'SB' - STA. 114+29 'SB'



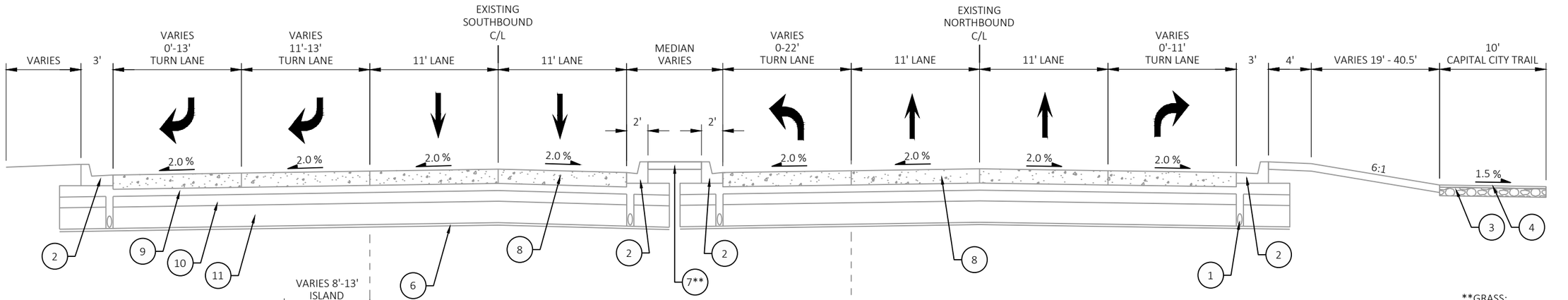
PARTIAL EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 109+15 - STA. 115+08
STA. 109+20 'SB' - STA. 115+21 'SB'

LEGEND

1. 8-INCH REINFORCED CONCRETE PAVEMENT
2. CONCRETE CURB & GUTTER
3. 8-INCH GRAVEL OR CRUSHED STONE BASE COURSE
4. 3-INCH ASPHALT PATH
5. 7-INCH ASPHALT PAVEMENT
6. 4-INCH ASPHALT PAVEMENT
7. 2-INCH ASPHALT PAVEMENT OR, 5-INCH CONCRETE SIDEWALK, OR GRASS (SEE NOTE)

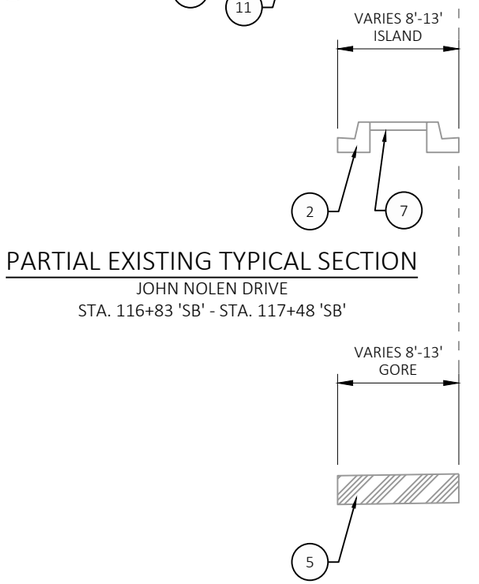
2



**GRASS:
STA. 116+15 - STA. 129+01
STA. 116+83 'SB' - STA. 125+13 'SB'

EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 116+15 - STA. 129+01
STA. 116+83 'SB' - STA. 125+13 'SB'

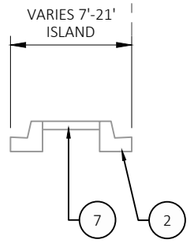


PARTIAL EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 116+83 'SB' - STA. 117+48 'SB'

PARTIAL EXISTING TYPICAL SECTION

JOHN NOLEN DRIVE
STA. 117+48 'SB' - STA. 118+48 'SB'



PARTIAL EXISTING TYPICAL SECTION

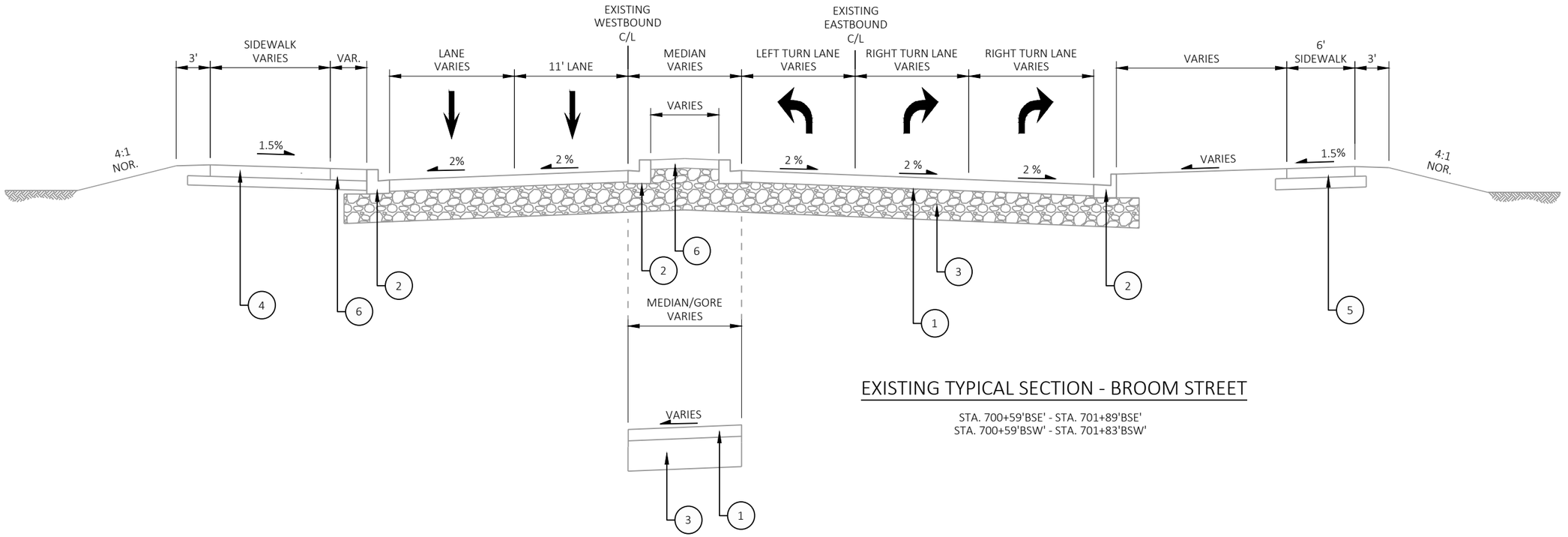
JOHN NOLEN DRIVE
STA. 120+39 - STA. 122+05

LEGEND

1. 6-INCH PIPE UNDERDRAIN
2. CONCRETE CURB & GUTTER
3. 8-INCH GRAVEL OR CRUSHED STONE BASE COURSE
4. 3-INCH ASPHALT PATH
5. CONCRETE CORRUGATED MEDIAN
6. GEOGRID REINFORCEMENT
7. 2-INCH ASPHALT PAVEMENT OR, 5-INCH CONCRETE SIDEWALK, OR GRASS (SEE NOTE)
8. 9-INCH CONCRETE PAVEMENT, DOWLED
9. 4-INCH CRUSHED AGGREGATE BASE COURSE OPEN GRADED
10. 6-INCH CRUSHED AGGREGATE BASE COURSE
11. 12-INCH BREAKER RUN

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 6	E

2



EXISTING TYPICAL SECTION - BROOM STREET

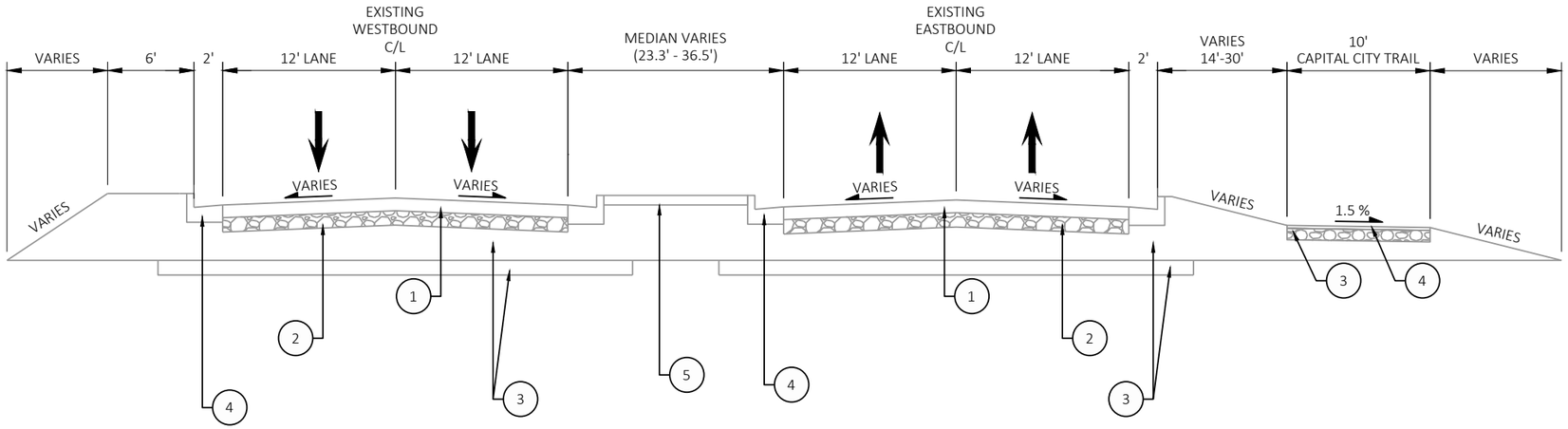
STA. 700+59'BSE' - STA. 701+89'BSE'
STA. 700+59'BSW' - STA. 701+83'BSW'

PARTIAL TYPICAL SECTION

STA. 700+59'BSE' - STA. 700+90'BSE'
STA. 700+59'BSW' - STA. 700+90'BSW'

LEGEND

1 6-INCH ASPHALT PAVEMENT	5 7-INCH ASPHALT PAVEMENT
2 CONCRETE CURB & GUTTER	6 7-INCH COLORED CONCRETE
3 16-INCH CRUSHED AGGREGATE BASE COURSE	
4 CONCRETE SIDEWALK 7-INCH	



EXISTING TYPICAL SECTION - NORTH SHORE DRIVE

STA. 10+00'NSE' - STA. 13+75'NSE'

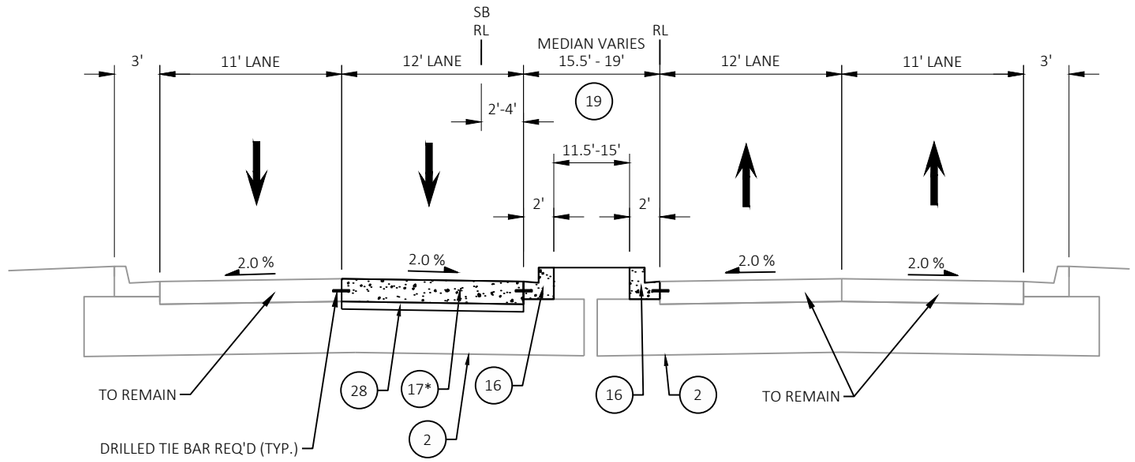
STA. 10+15'NSW' - STA. 14+15'NSW'

LEGEND

1 5.25-INCH ASPHALT PAVEMENT	3 SELECT FILL
2 6-INCH CRUSHED STONE	4 30-INCH CURB AND GUTTER
5 GRASS	

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 8	E

GENERAL NOTE: CONCRETE SIDEWALK
7-INCH TO HAVE SAWED JOINTS
EXCEPT AT CURB RAMP LOCATIONS.



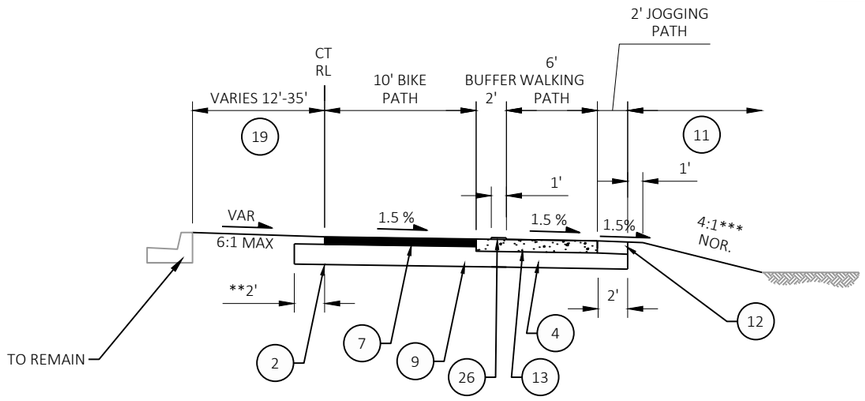
FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 74+42 - STA. 78+99
STA. 74+41 'SB' - STA. 78+71 'SB'

* 75+12 'SB' - STA. 77+67 'SB'

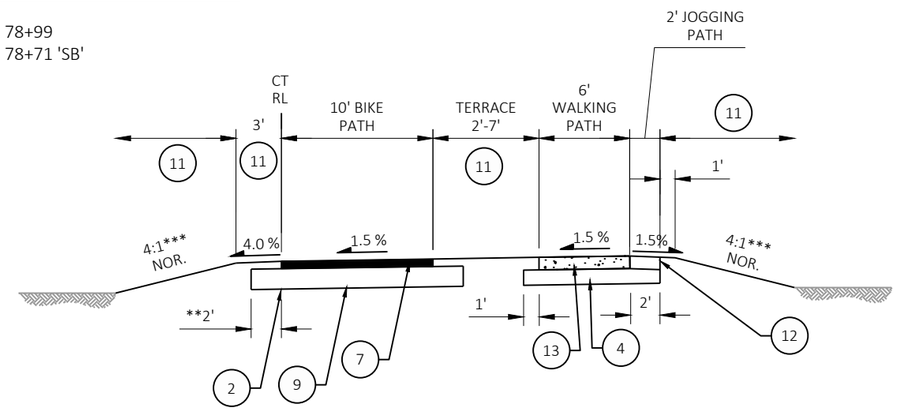
** CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

*** CAN BE ADJUSTED TO 3:1 WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.



FINISHED TYPICAL SECTION - CAPITAL CITY TRAIL

STA. 69+99 'CT' - STA. 75+72 'CT'
STA 79+77 'CT' - STA 80+93 'CT'

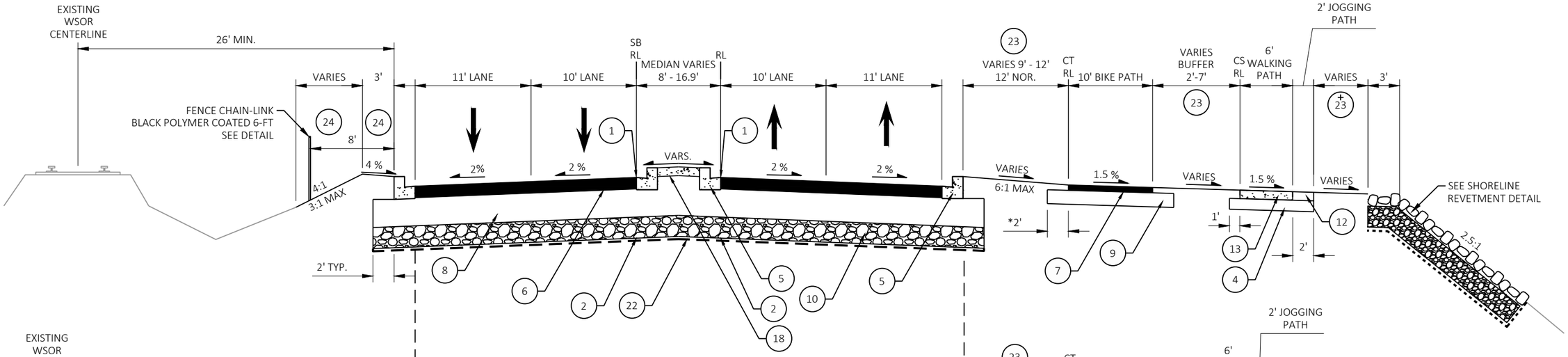


FINISHED TYPICAL SECTION - CAPITAL CITY TRAIL

STA. 75+72 'CT' - STA. 79+77 'CT'

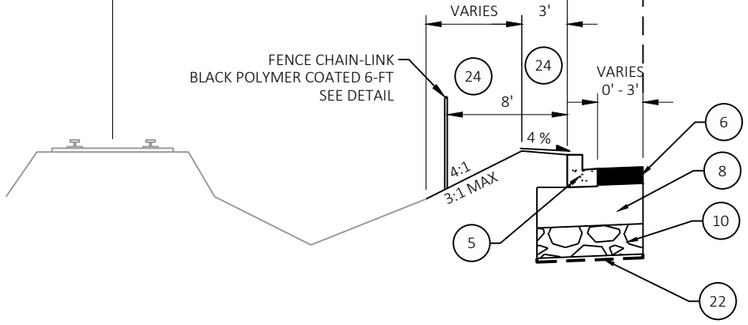
LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH



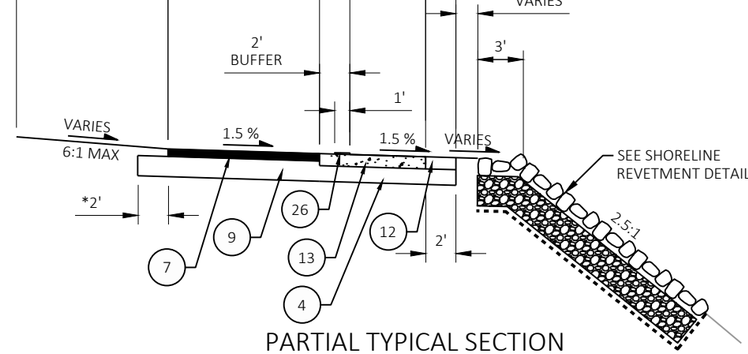
FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 78+99 - STA. 87+65
STA. 89+65 - STA. 106+20
STA. 78+71'SB' - STA. 87+65'SB'
STA. 89+65'SB' - STA. 106+26'SB'



PARTIAL TYPICAL SECTION

STA. 85+97'SB' - STA. 87+65'SB'
STA. 89+65'SB' - STA. 90+51'SB'
STA. 104+61'SB' - STA. 106+26'SB'



PARTIAL TYPICAL SECTION

STA. 81+35'CT' - STA. 81+88'CT'
STA. 83+56'CT' - STA. 88+09'CT'
STA. 90+04'CT' - STA. 93+69'CT'
STA. 100+18'CT' - STA. 103+50'CT'

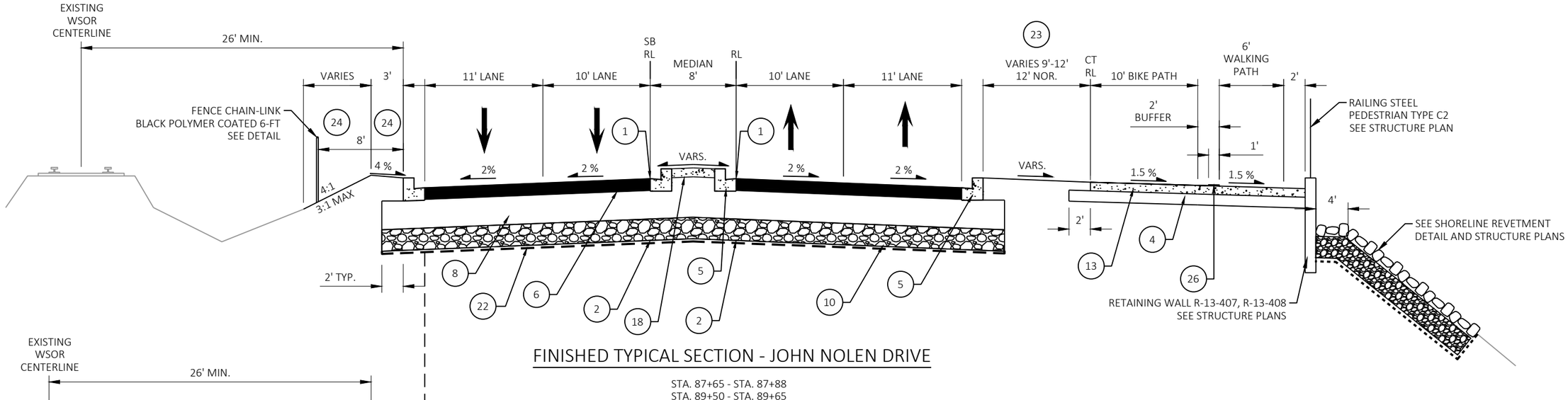
LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

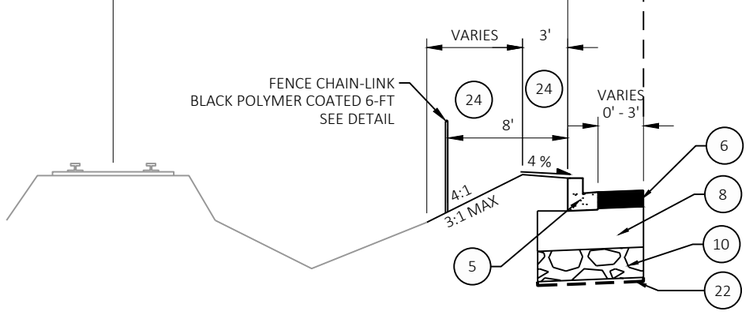
\+ BASE AGGREGATE DENSE 3/4-INCH AND BASE AGGREGATE DENSE 1 1/4-INCH TO BE EXTENDED TO SHORELINE REVETMENT WITH NO RESTORATION ITEMS WHEN THIS WIDTH IS LESS THAN 3FT.
STA 82+00 'CT' - 83+00 'CT'
STA 85+50 'CT' - 88+00 'CT'
STA 90+00 'CT' - 93+50 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E



FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 87+65 - STA. 87+88
STA. 89+50 - STA. 89+65
STA. 87+65'SB' - STA. 87+88'SB'
STA. 89+50'SB' - STA. 89+65'SB'



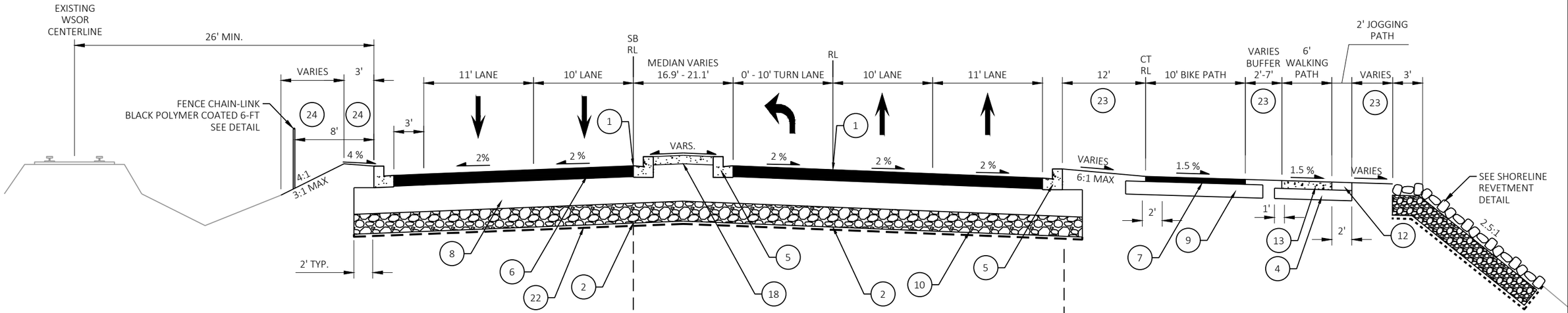
PARTIAL TYPICAL SECTION

STA. 87+65'SB' - STA. 87+88'SB'
STA. 89+50'SB' - STA. 89+65'SB'

LEGEND

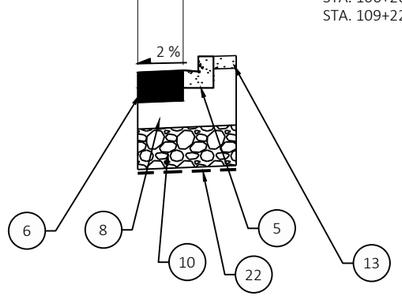
1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E



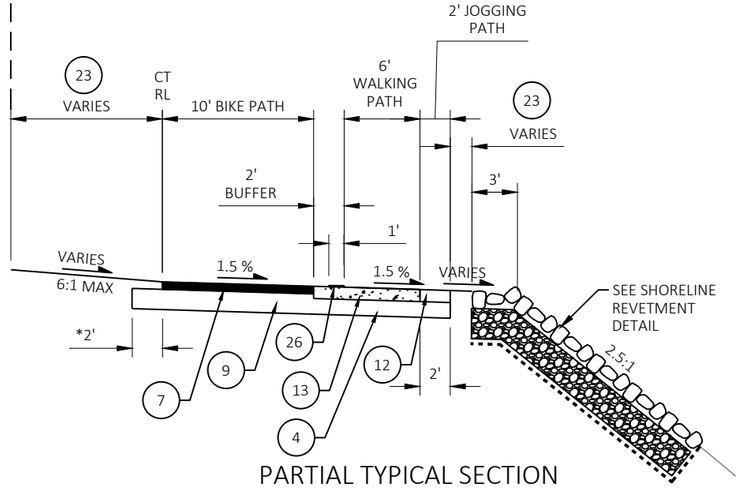
FINISHED TYPICAL SECTION
JOHN NOLEN DRIVE

STA. 106+20 - STA. 107+01
STA. 109+16 - STA. 111+82
STA. 106+26 'SB' - STA. 109+07'SB'
STA. 109+22'SB' - STA. 111+91 'SB'



PARTIAL TYPICAL SECTION

STA. 111+54 'SB' - STA. 111+91 'SB'



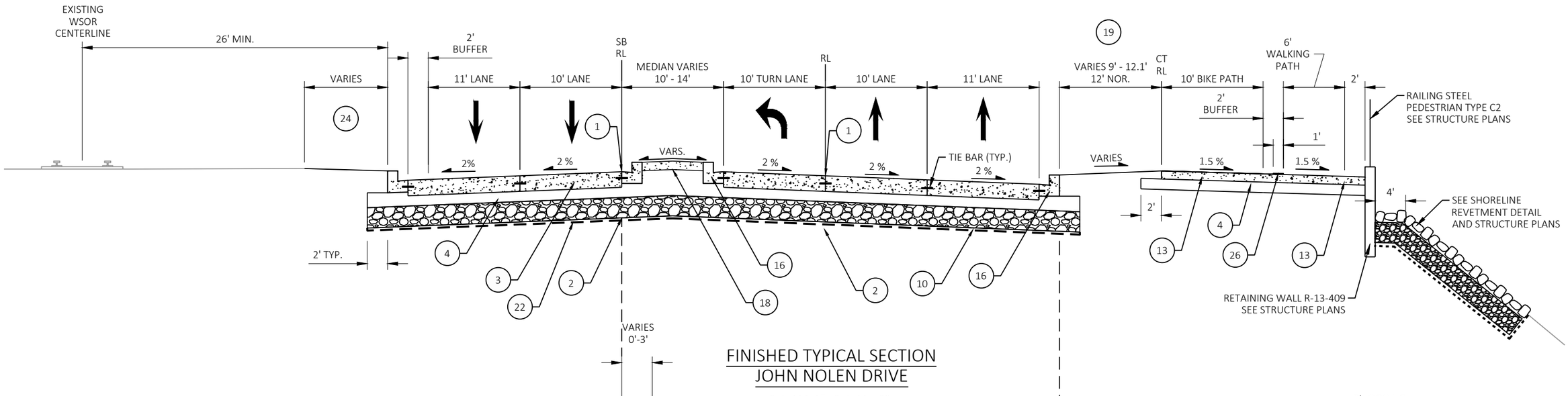
PARTIAL TYPICAL SECTION

STA. 106+91'CT' - STA. 107+25'CT'
STA. 109+26'CT' - STA. 109+58'CT'
STA. 111+66'CT' - STA. 111+99'CT'

LEGEND

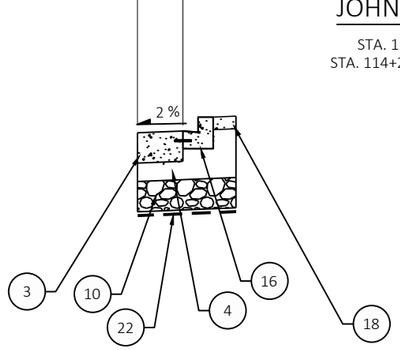
1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH UPPER: 2.25" 4 MT 58-28 H LOWER: 2.50" 3 MT 58-28 S LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH UPPER: 2.50" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH UPPER: 2.00" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E



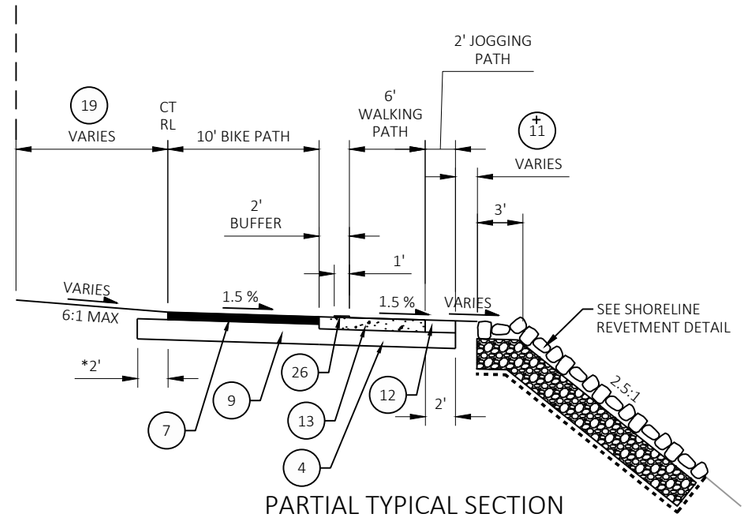
FINISHED TYPICAL SECTION
JOHN NOLEN DRIVE

STA. 114+17 - STA. 115+99
STA. 114+26 'SB' - STA. 116+11 'SB'



PARTIAL TYPICAL SECTION

STA. 114+26 'SB' - STA. 114+83 'SB'



PARTIAL TYPICAL SECTION

STA. 114+46 'CT' - STA. 116+00 'CT'

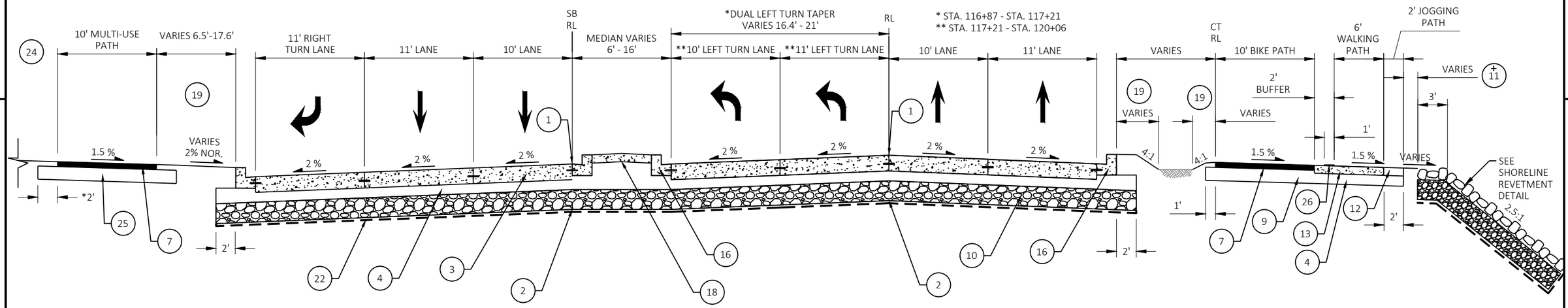
* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

\+ BASE AGGREGATE DENSE 3/4-INCH AND BASE AGGREGATE DENSE 1 1/4-INCH TO BE EXTENDED TO SHORELINE REVETMENT WITH NO RESTORATION ITEMS WHEN THIS WIDTH IS LESS THAN 3FT.
STA 114+50 'CT' - 116+00 'CT'

LEGEND

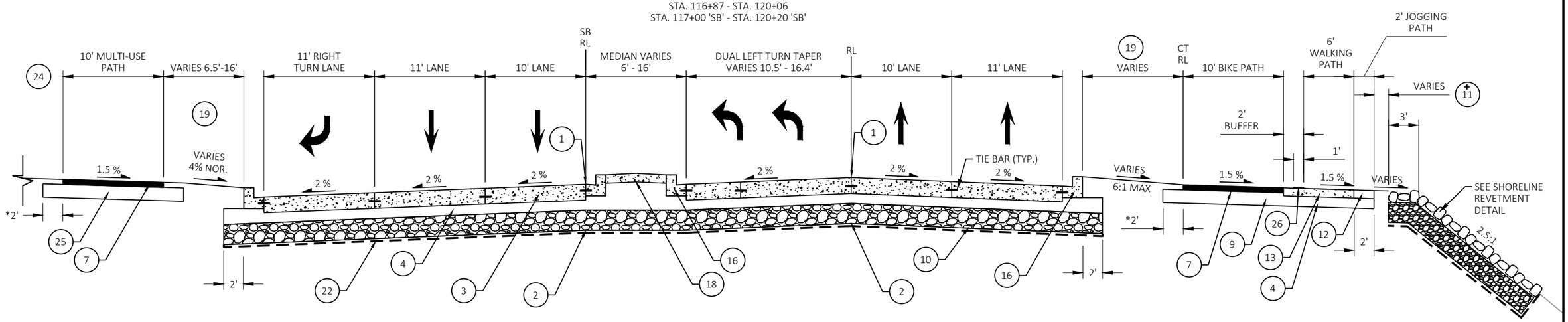
1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 13	E



FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 116+87 - STA. 120+06
STA. 117+00 'SB' - STA. 120+20 'SB'



FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 115+99 - STA. 116+87
STA. 116+64 'SB' - STA. 117+00 'SB'

LEGEND

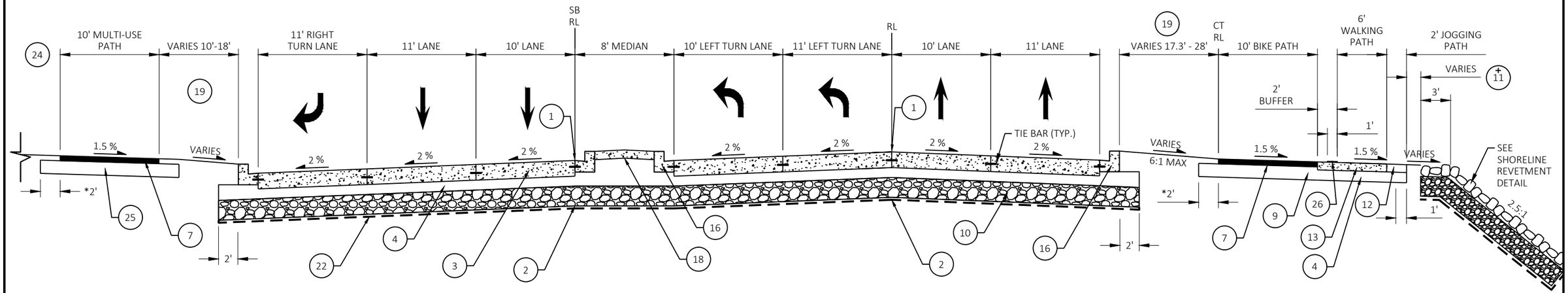
1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

\+ BASE AGGREGATE DENSE 3/4-INCH AND BASE AGGREGATE DENSE 1 1/4-INCH TO BE EXTENDED TO SHORELINE REVETMENT WITH NO RESTORATION ITEMS WHEN THIS WIDTH IS LESS THAN 3FT.
STA 117+50 'CT' - 121+00 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 14	E

2



* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 120+06 - STA. 121+42
STA. 120+20 'SB' - STA. 121+57 'SB'

* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

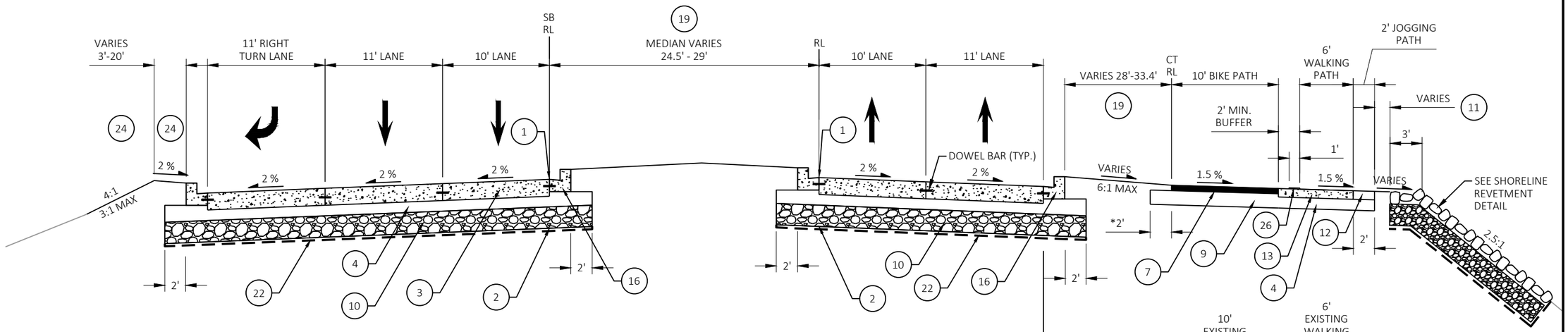
\+ BASE AGGREGATE DENSE 3/4-INCH AND BASE AGGREGATE DENSE 1 1/4-INCH TO BE EXTENDED TO SHORELINE REVETMENT WITH NO RESTORATION ITEMS WHEN THIS WIDTH IS LESS THAN 3FT.
STA 117+50 'CT' - 121+00 'CT'

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

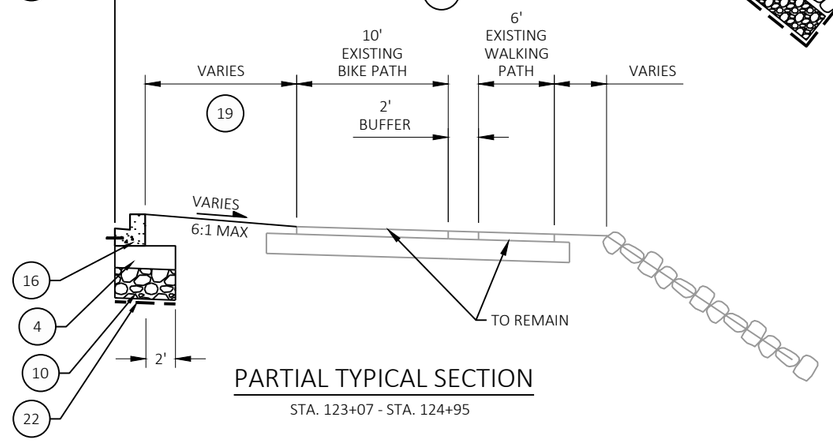
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 15	E

2



FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 121+42 - STA. 124+95
STA. 121+57 'SB' - STA. 125+13 'SB'



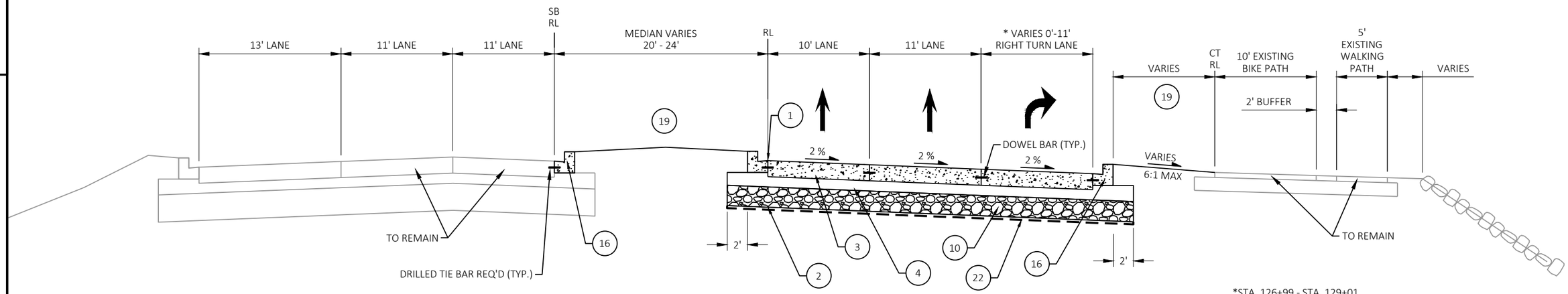
PARTIAL TYPICAL SECTION

STA. 123+07 - STA. 124+95

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

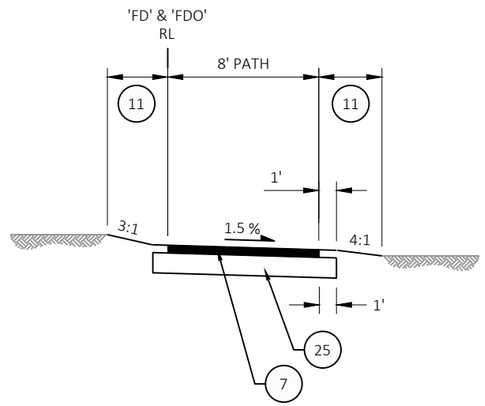
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 16	E



*STA. 126+99 - STA. 129+01

FINISHED TYPICAL SECTION - JOHN NOLEN DRIVE

STA. 124+95 - STA. 129+01
STA. 125+95 'SB' - STA. 128+91 'SB'



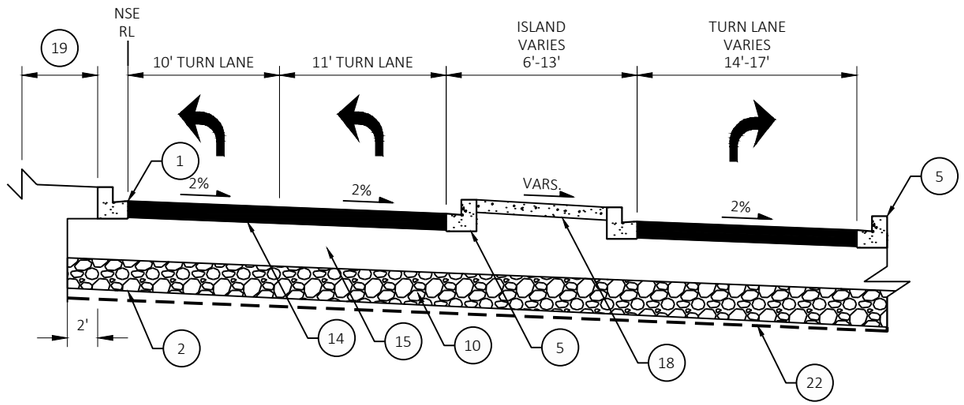
FINISHED TYPICAL SECTION - FISHING DOCK

STA. 415+12 'FD' - STA. 415+83 'FD'
STA. 700+08 'FDO' - STA. 700+22 'FDO'

LEGEND

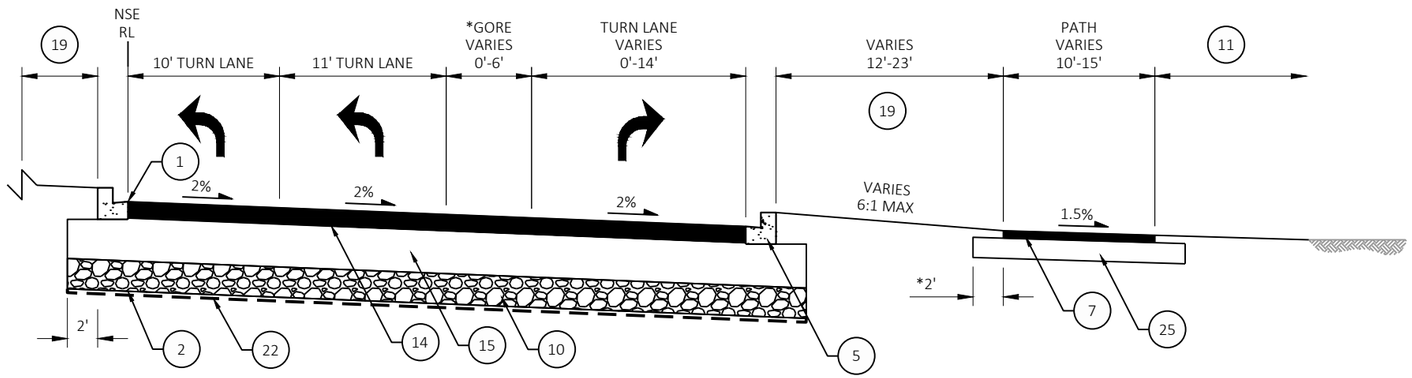
1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH UPPER: 2.25" 4 MT 58-28 H LOWER: 2.50" 3 MT 58-28 S LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH UPPER: 2.50" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH UPPER: 2.00" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

2



FINISHED TYPICAL SECTION - NORTH SHORE DRIVE

STA. 12+65'NSE' - STA. 13+43'NSE'



FINISHED TYPICAL SECTION - NORTH SHORE DRIVE

STA. 10+00'NSE' - STA. 12+65'NSE'

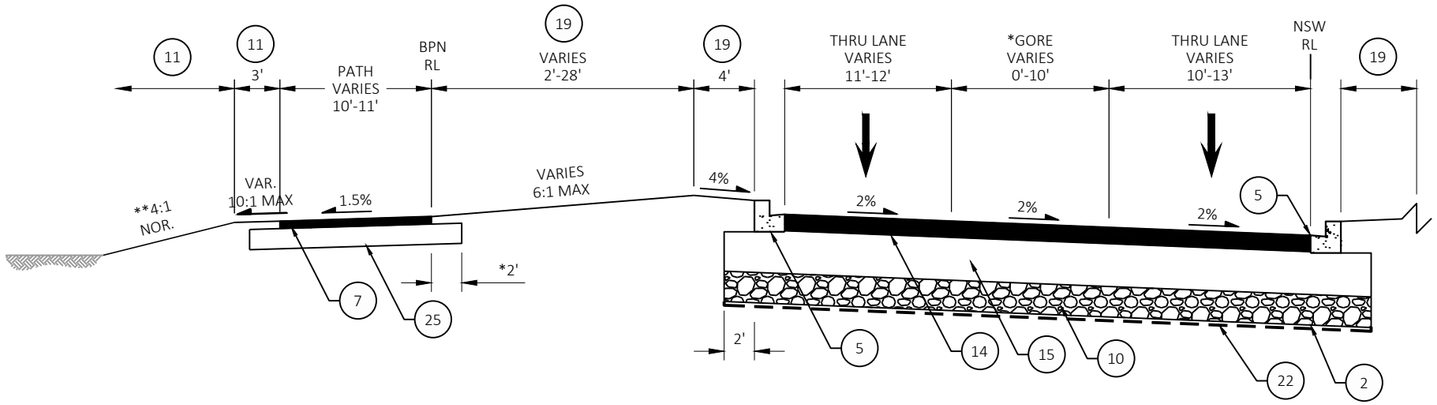
*STA. 11+55'NSE' - STA. 12+65'NSE'

* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH UPPER: 2.25" 4 MT 58-28 H LOWER: 2.50" 3 MT 58-28 S LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH UPPER: 2.50" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH UPPER: 2.00" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

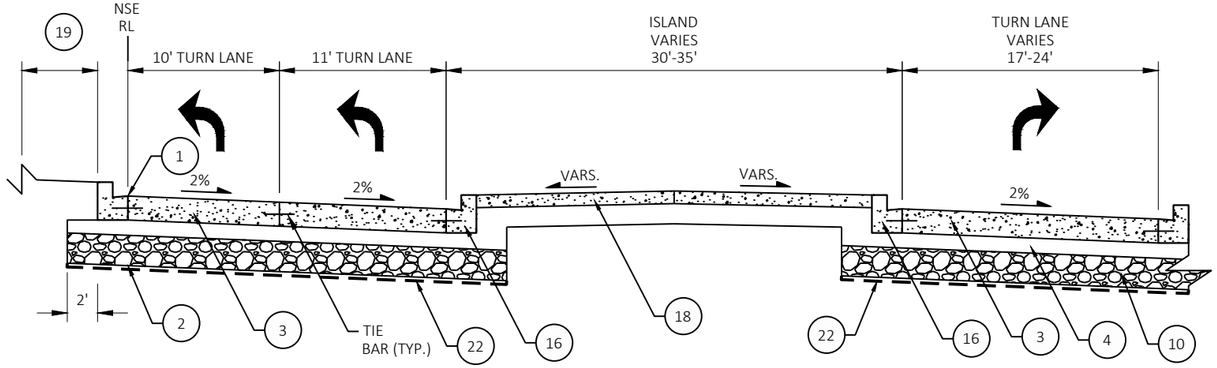
2



FINISHED TYPICAL SECTION - NORTH SHORE DRIVE

*STA. 12+81'NSW' - STA. 13+73'NSW'

STA. 10+15'NSW' - STA. 13+73'NSW'



FINISHED TYPICAL SECTION - NORTH SHORE DRIVE

STA. 13+43'NSE' - STA. 13+60'NSE'

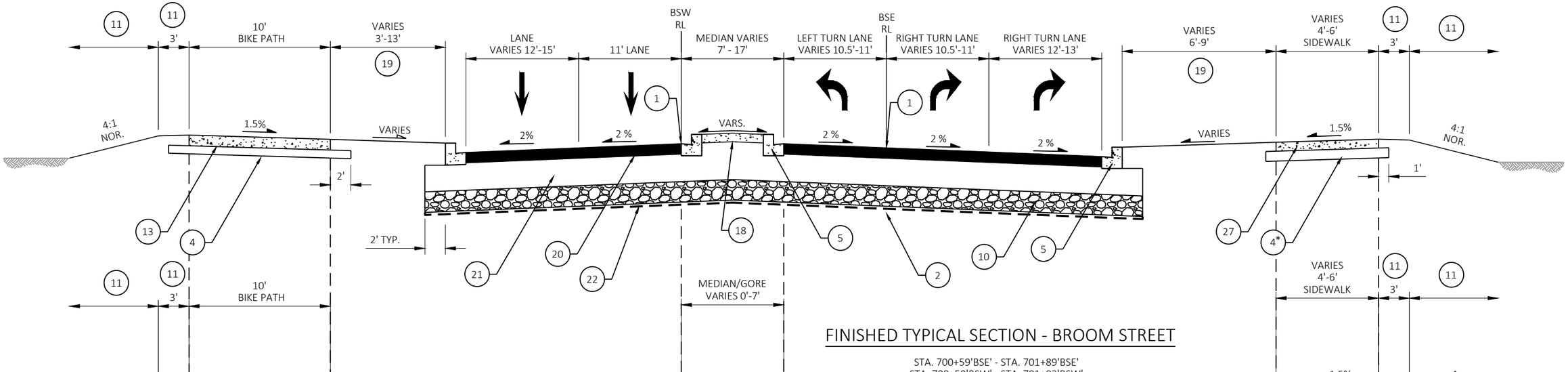
* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH
   UPPER: 2.25" 4 MT 58-28 H
   LOWER: 2.50" 3 MT 58-28 S
   LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH
   UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH
    UPPER: 2.50" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH
    UPPER: 2.00" 4 MT 58-28 H
    LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 19	E

2



FINISHED TYPICAL SECTION - BROOM STREET

STA. 700+59'BSE' - STA. 701+89'BSE'
STA. 700+59'BSW' - STA. 701+83'BSW'

PARTIAL TYPICAL SECTION

STA. 700+59'BSE' - STA. 700+70'BSE'
STA. 701+18'BSE' - STA. 701+44'BSE'
STA. 700+59'BSW' - STA. 700+75'BSW'
STA. 701+20'BSW' - STA. 701+55'BSW'

PARTIAL TYPICAL SECTION

STA. 700+59'BSE' - STA. 700+90'BSE'
STA. 700+59'BSW' - STA. 700+90'BSW'

PARTIAL TYPICAL SECTION

STA. 700+59'BSE' - STA. 700+70'BSE'
STA. 701+35'BSE' - STA. 701+64'BSE'
STA. 700+59'BSW' - STA. 700+65'BSW'
STA. 701+25'BSW' - STA. 701+57'BSW'

*4-INCH DEPTH UNDER SIDEWALK

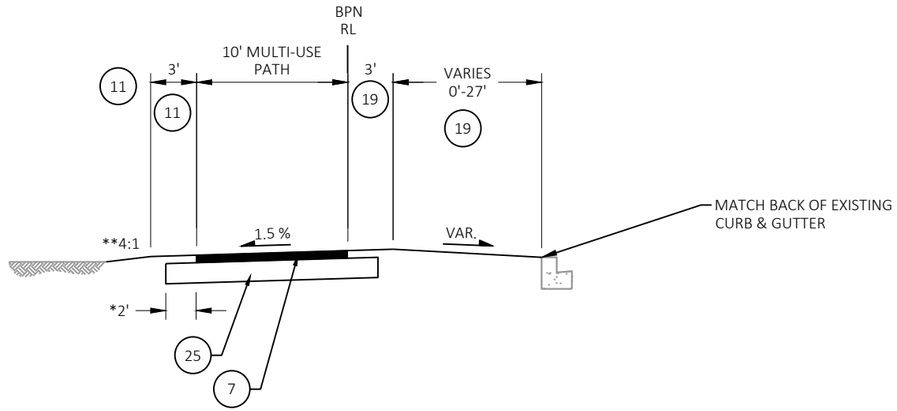
**CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH UPPER: 2.25" 4 MT 58-28 H LOWER: 2.50" 3 MT 58-28 S LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH UPPER: 2.50" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH UPPER: 2.00" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TYPICAL SECTIONS	SHEET 20	E

2

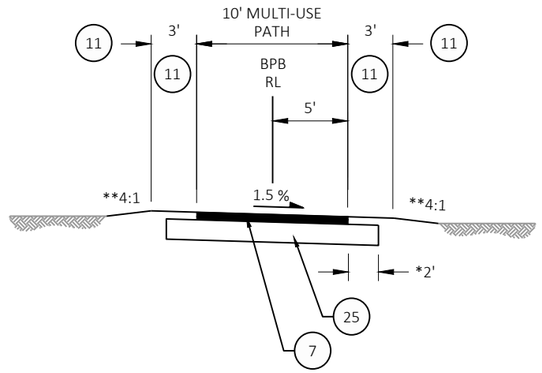


FINISHED TYPICAL SECTION
BIKE PATH NORTH SHORE DRIVE

STA. 10+25'BPN' - STA. 14+60'BPN'

* CAN BE ADJUSTED TO 1' WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.

** CAN BE ADJUSTED TO 3:1 WHEN NEAR TREES OR OTHER OBJECTS TO AVOID IMPACTS.



FINISHED TYPICAL SECTION
BIKE PATH BASSETT CONNECTION

STA. 25+63'BPB' - STA. 26+62 'BPB'

LEGEND

1. POINT REFERRED TO ON PROFILE
2. POINT REFERRED TO ON CROSS SECTIONS
3. CONCRETE PAVEMENT 9.5-INCH (DOWELED & TINED)
4. BASE AGGREGATE DENSE 1 1/4-INCH, 6-INCH
5. CONCRETE CURB & GUTTER 24-INCH TYPE D
6. HMA PAVEMENT 7 1/4-INCH UPPER: 2.25" 4 MT 58-28 H LOWER: 2.50" 3 MT 58-28 S LOWER: 2.50" 3 MT 58-28 S
7. HMA PAVEMENT 3-INCH UPPER: 3.00" 4 LT 58-28 S
8. BASE AGGREGATE DENSE 1 1/4-INCH, 18-INCH
9. BASE AGGREGATE DENSE 1 1/4-INCH, 10-INCH
10. SELECT CRUSHED MATERIAL, 12-INCH
11. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
12. BASE AGGREGATE DENSE 3/4-INCH, 7-INCH
13. CONCRETE SIDEWALK 7-INCH
14. HMA PAVEMENT 6 1/2-INCH UPPER: 2.50" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
15. BASE AGGREGATE DENSE 1 1/4-INCH, 17-INCH
16. CONCRETE CURB & GUTTER 24-INCH TYPE A
17. CONCRETE PAVEMENT 9-INCH (DOWELED & TINED)
18. STAMPING COLORED CONCRETE & CONCRETE SIDEWALK 5-INCH
19. 6-INCHES TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN
20. HMA PAVEMENT 6-INCH UPPER: 2.00" 4 MT 58-28 H LOWER: 4.00" 3 MT 58-28 S
21. BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCH
22. GEOGRID TYPE SR
23. 6-INCHES TOPSOIL, SEEDING TEMPORARY, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
24. 6-INCHES TOPSOIL, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B, & EROSION MAT URBAN CLASS 1 TYPE B
25. BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCH
26. DIRECTIONAL GUIDANCE PLATES
27. CONCRETE SIDEWALK 5-INCH
28. BASE AGGREGATE DENSE 1 1/4-INCH, 3-INCH

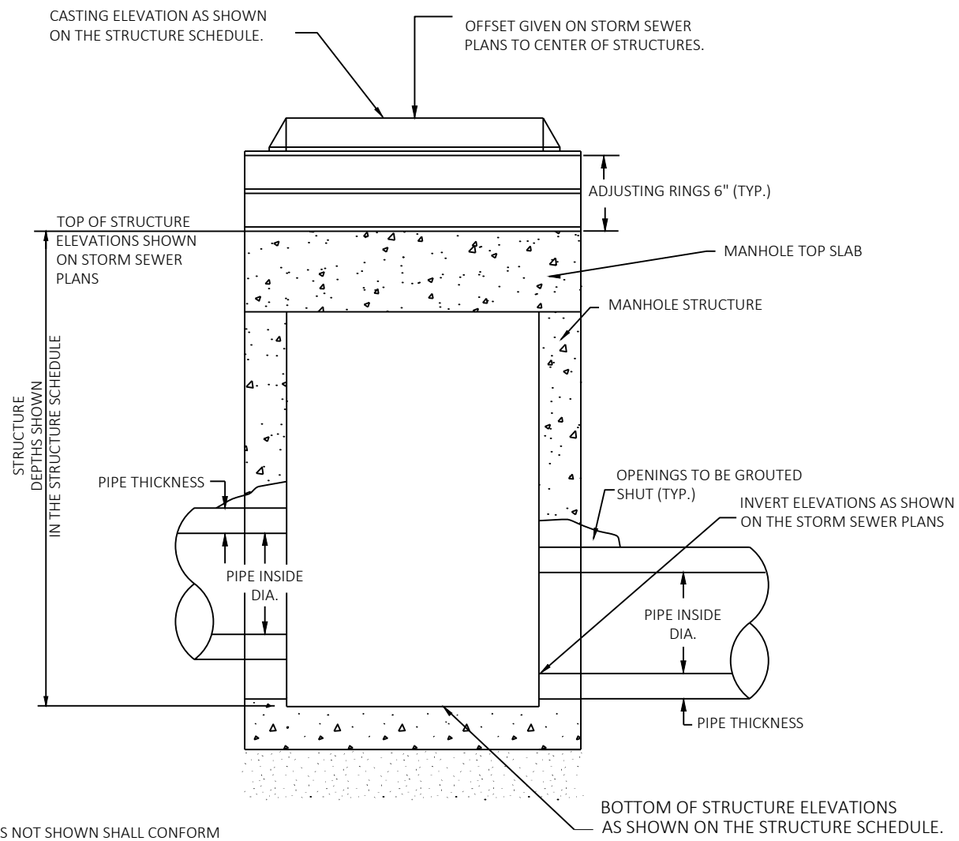
SUPERELEVATION REPORT FOR 'JND NB'						
TRANSITION EVENT POINTS	RATE (FT/FT)					
	LEFT OF REFERENCE LINE			RIGHT OF REFERENCE LINE		
STATION	LEFT SHOULDER	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE	RIGHT SHOULDER
70+99.85	-0.020	-0.020	-0.020	0.020	-0.027	-0.027
79+25.00	-0.020	-0.020	-0.020	0.020	-0.027	-0.027
80+75.00	0.020	0.020	0.020	-0.020	-0.020	-0.020
114+35.99	0.020	0.020	0.020	-0.020	-0.020	-0.020
114+95.72	0.010	0.010	0.010	-0.010	-0.010	-0.010
116+37.65	0.010	0.010	0.010	-0.010	-0.010	-0.010
117+20.93	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
120+15.00	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
120+65.00	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
121+82.71	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
122+32.71	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
124+75.00	-0.020	-0.020	-0.020	-0.020	-0.020	-0.020
126+25.00	-0.020	-0.020	-0.020	0.020	-0.020	-0.020
128+50.00	-0.020	-0.020	-0.020	0.020	-0.020	-0.020
129+00.98	-0.016	-0.016	-0.016	0.016	-0.020	-0.020
130+26.46	-0.016	-0.016	-0.016	0.016	-0.020	-0.020

SUPERELEVATION REPORT FOR 'JND SB'						
TRANSITION EVENT POINTS	RATE (FT/FT)					
	LEFT OF REFERENCE LINE			RIGHT OF REFERENCE LINE		
STATION	LEFT SHOULDER	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE	RIGHT SHOULDER
71+00.00	-0.026	-0.026	0.020	-0.020	-0.020	-0.020
79+00.00	-0.026	-0.026	0.020	-0.020	-0.020	-0.020
80+50.00	-0.020	-0.020	-0.020	0.020	0.020	0.020
114+41.91	-0.020	-0.020	-0.020	0.020	0.020	0.020
115+08.15	-0.010	-0.010	-0.010	0.010	0.010	0.010
116+21.76	-0.010	-0.010	-0.010	0.010	0.010	0.010
116+71.76	-0.020	-0.020	-0.020	0.020	0.020	0.020
119+85.27	-0.020	-0.020	-0.020	0.020	0.020	0.020
120+35.27	-0.010	-0.010	-0.010	0.010	0.010	0.010
122+18.62	-0.010	-0.010	-0.010	0.010	0.010	0.010
122+68.62	-0.020	-0.020	-0.020	0.020	0.020	0.020
123+50.00	-0.020	-0.020	-0.020	0.020	0.020	0.020
125+00.00	-0.024	-0.024	0.028	-0.028	-0.028	-0.028
129+21.06	-0.024	-0.024	0.028	-0.028	-0.028	-0.028

SUPERELEVATION REPORT FOR 'ALI-CAPITAL CITY PATH'	
TRANSITION EVENT POINTS	RATE (FT/FT)
	RIGHT OF CROWNLINE
STATION	PATH
69+72.60	0.002
69+97.60	0.002
70+45.00	-0.015
71+05.00	-0.015
75+50.00	-0.015
76+00.00	0.015
79+75.00	0.015
80+25.00	-0.015
122+77.23	-0.015

SUPERELEVATION REPORT FOR 'NSD WB'						
TRANSITION EVENT POINTS	RATE (FT/FT)					
	LEFT OF REFERENCE LINE			RIGHT OF REFERENCE LINE		
STATION	LEFT SHOULDER	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE	RIGHT SHOULDER
10+15.00	0.020	0.020	0.037	-0.037	-0.037	-0.037
11+12.50	0.020	0.020	0.020	-0.020	-0.020	-0.020
12+75.00	0.020	0.020	0.020	-0.020	-0.020	-0.020
13+80.92	0.000	0.000	0.000	0.000	0.000	0.000
13+97.71	0.000	0.000	0.000	0.000	0.000	0.000
14+15.00	0.005	0.005	0.005	-0.005	-0.005	-0.005
14+64.45	0.005	0.005	0.005	-0.005	-0.005	-0.005

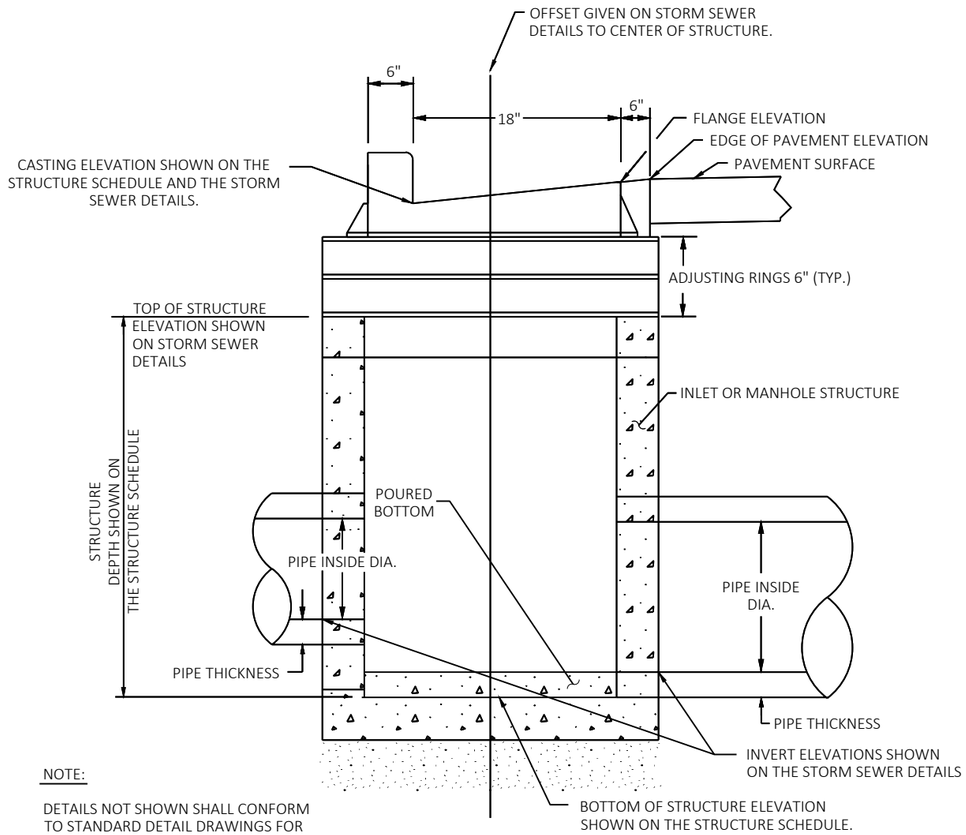
SUPERELEVATION REPORT FOR 'NSD EB'						
TRANSITION EVENT POINTS	RATE (FT/FT)					
	LEFT OF REFERENCE LINE			RIGHT OF REFERENCE LINE		
STATION	LEFT SHOULDER	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE	RIGHT SHOULDER
10+00.00	0.003	0.003	0.003	-0.003	-0.020	-0.020
10+75.00	0.020	0.020	0.020	-0.020	-0.020	-0.020
12+25.00	0.020	0.020	0.020	-0.020	-0.020	-0.020
12+83.00	0.007	0.007	0.007	-0.007	-0.007	-0.007
13+10.51	0.000	0.000	0.000	0.000	0.000	0.000
13+43.76	0.000	0.000	0.000	0.000	0.000	0.000
13+62.00	0.005	0.005	0.005	-0.005	-0.005	-0.005
13+81.55	0.005	0.005	0.005	-0.005	-0.005	-0.005
14+05.80	0.000	0.000	0.000	0.000	0.000	0.000
14+42.43	0.000	0.000	0.000	0.000	0.000	0.000



NOTE:

DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR INLETS AND MANHOLES.

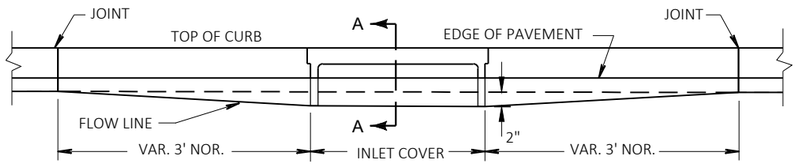
MANHOLE WITH COVER DETAIL



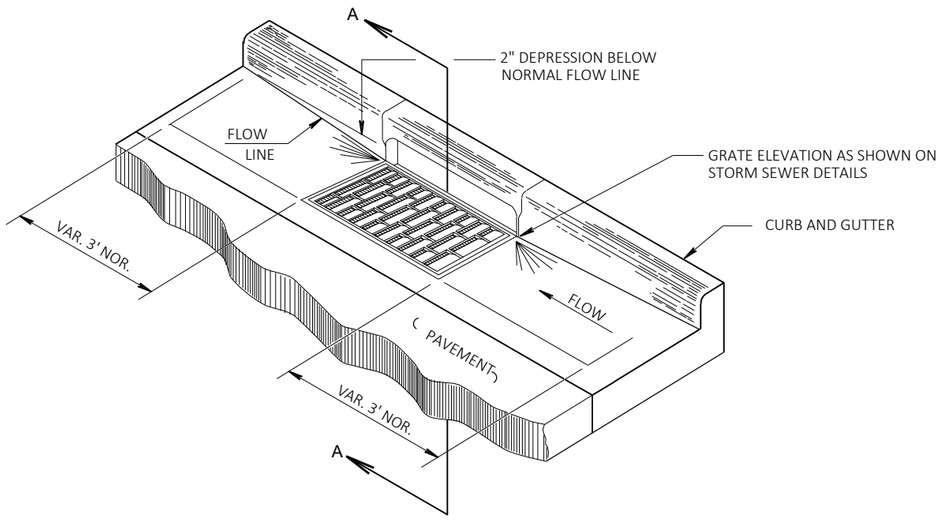
NOTE:

DETAILS NOT SHOWN SHALL CONFORM TO STANDARD DETAIL DRAWINGS FOR INLETS AND MANHOLES.

INLET/MANHOLE WITH INLET COVER DETAIL



ELEVATION VIEW



CURB AND GUTTER DEPRESSION AT INLETS

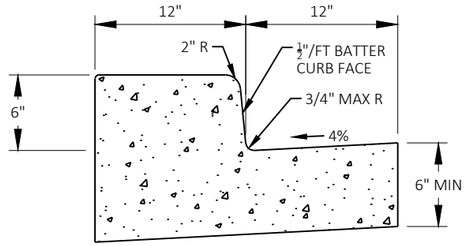
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

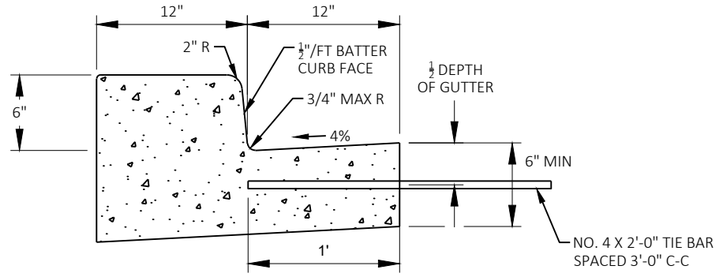
TOTAL PROJECT AREA = 28.24 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 18.44 ACRES

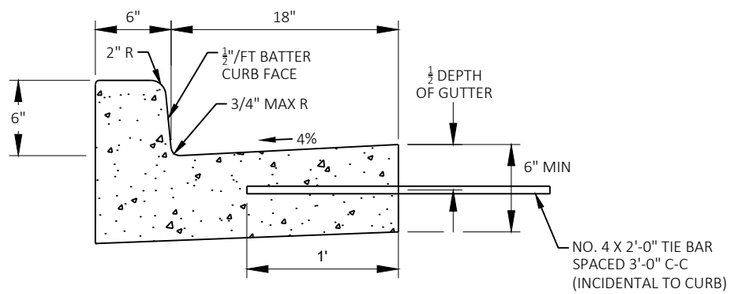
2



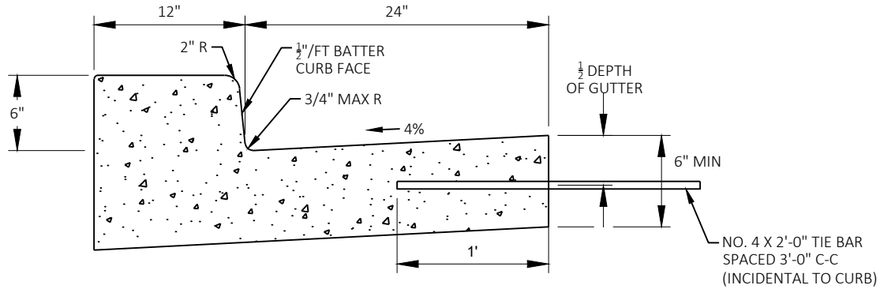
CONCRETE CURB AND GUTTER 24-INCH TYPE D



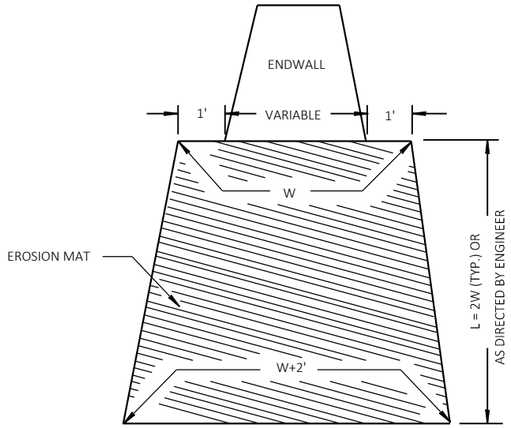
CONCRETE CURB AND GUTTER 24-INCH TYPE A



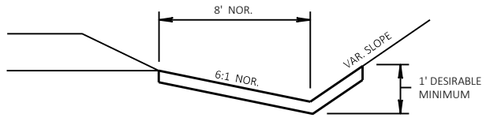
CONCRETE CURB AND GUTTER 24-INCH SPECIAL



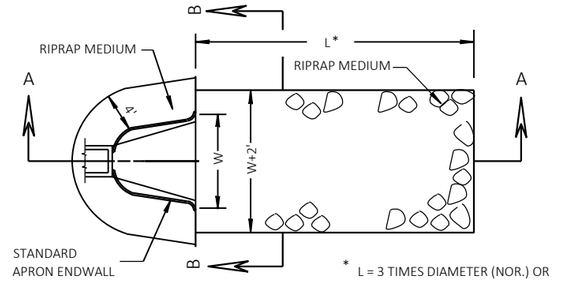
CONCRETE CURB AND GUTTER 36-INCH TYPE A

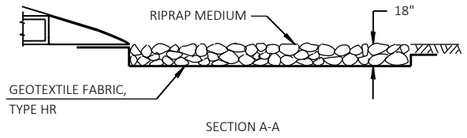


EROSION MAT TREATMENT AT CULVERTS

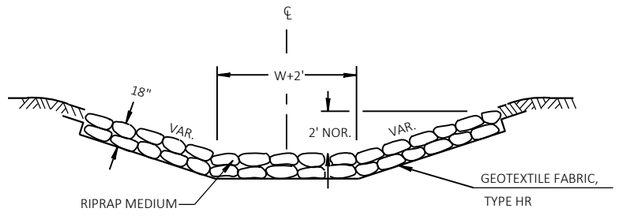


EROSION MAT DETAIL FOR DITCHES





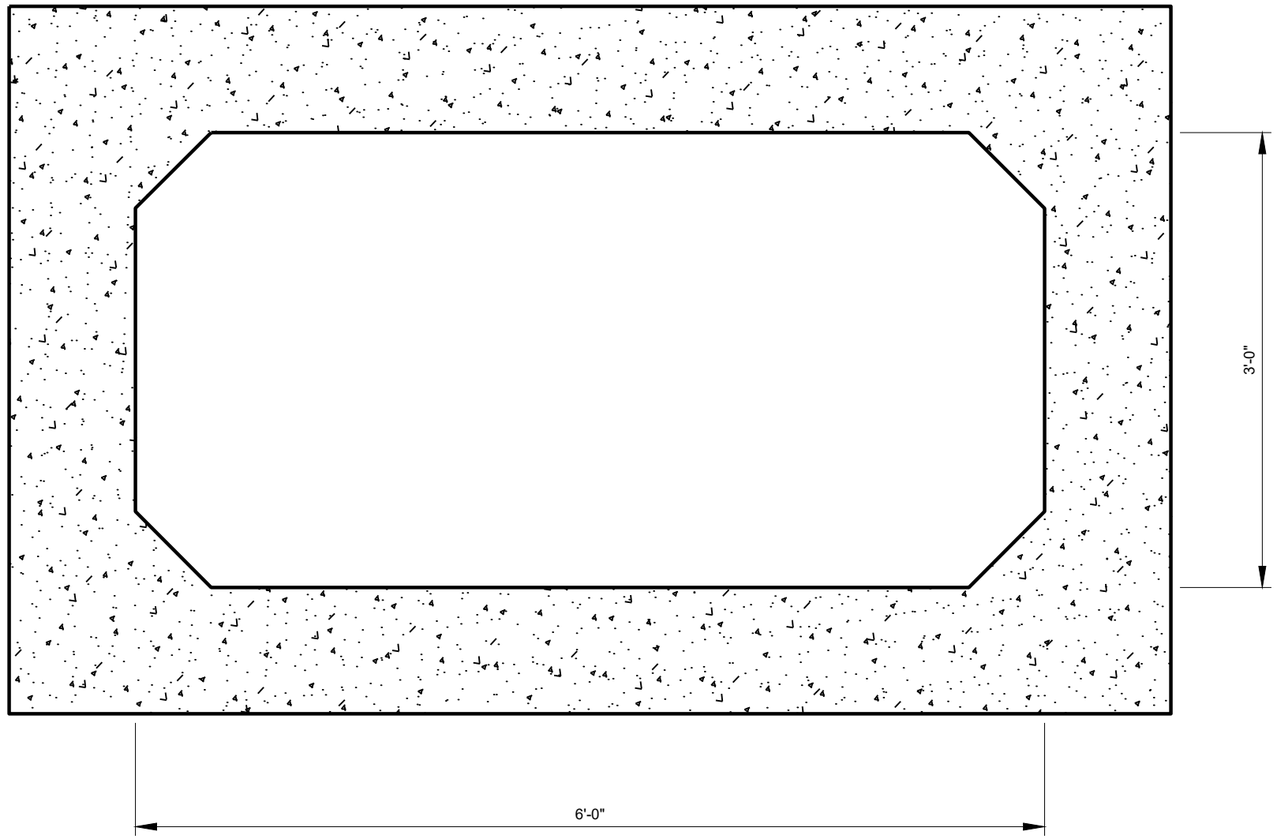
SECTION A-A



SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

2



STORM SEWER BOX 3-FT X 6-FT

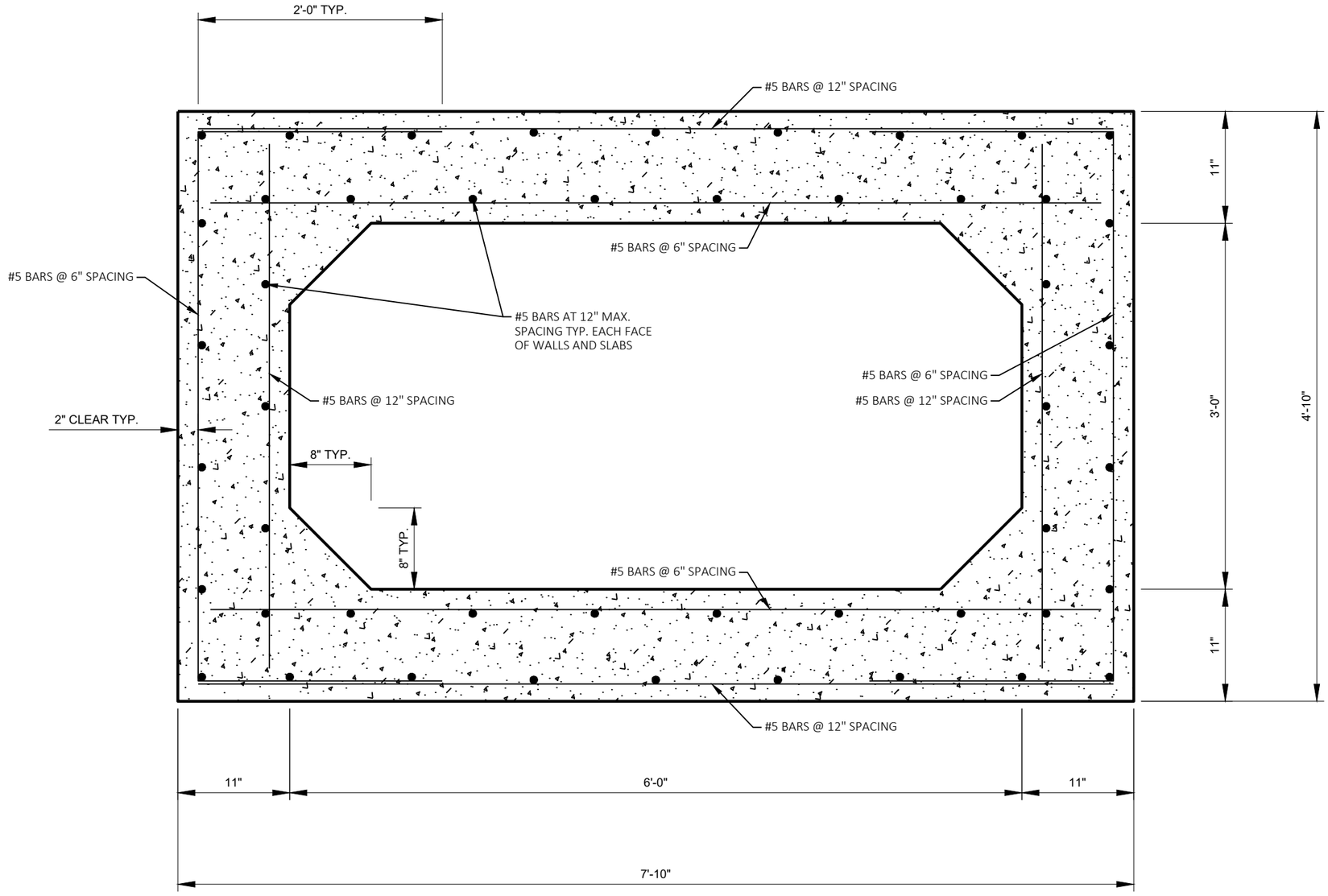
SEE STORM SEWER PLANS FOR ADDITIONAL DETAILS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 28	E

NOTES:

f'c = 4,000 psi

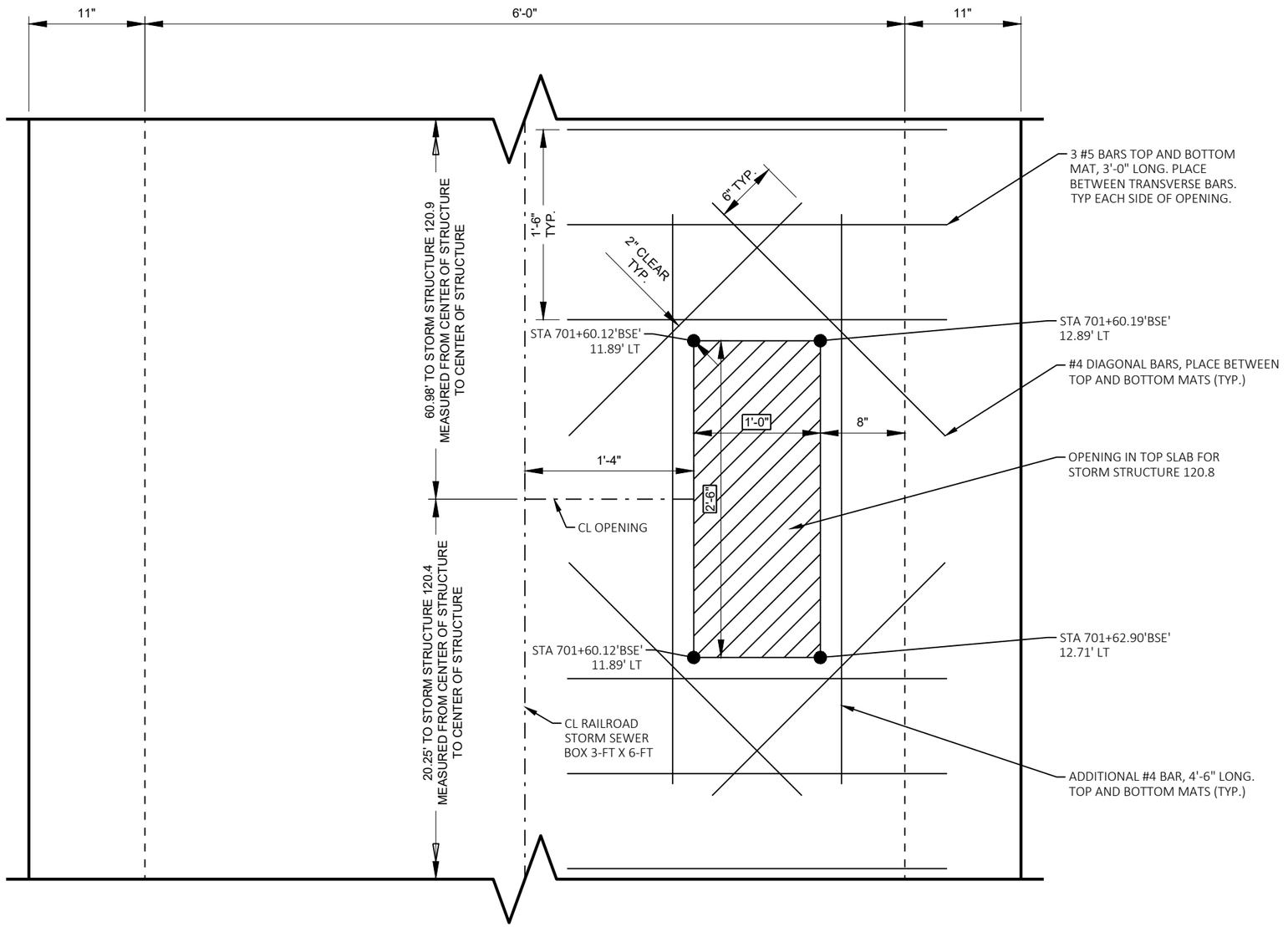
PROVIDE OPENING IN TOP SLAB OF BOX AS SHOWN ON DETAILS. APPLY PROTECTIVE SURFACE TREATMENT TO VERTICAL FACES AND 1-FOOT OF HORIZONTAL SURFACES (TOP AND BOTTOM) AROUND OPENINGS.



RAILROAD STORM SEWER BOX 3-FT X 6-FT

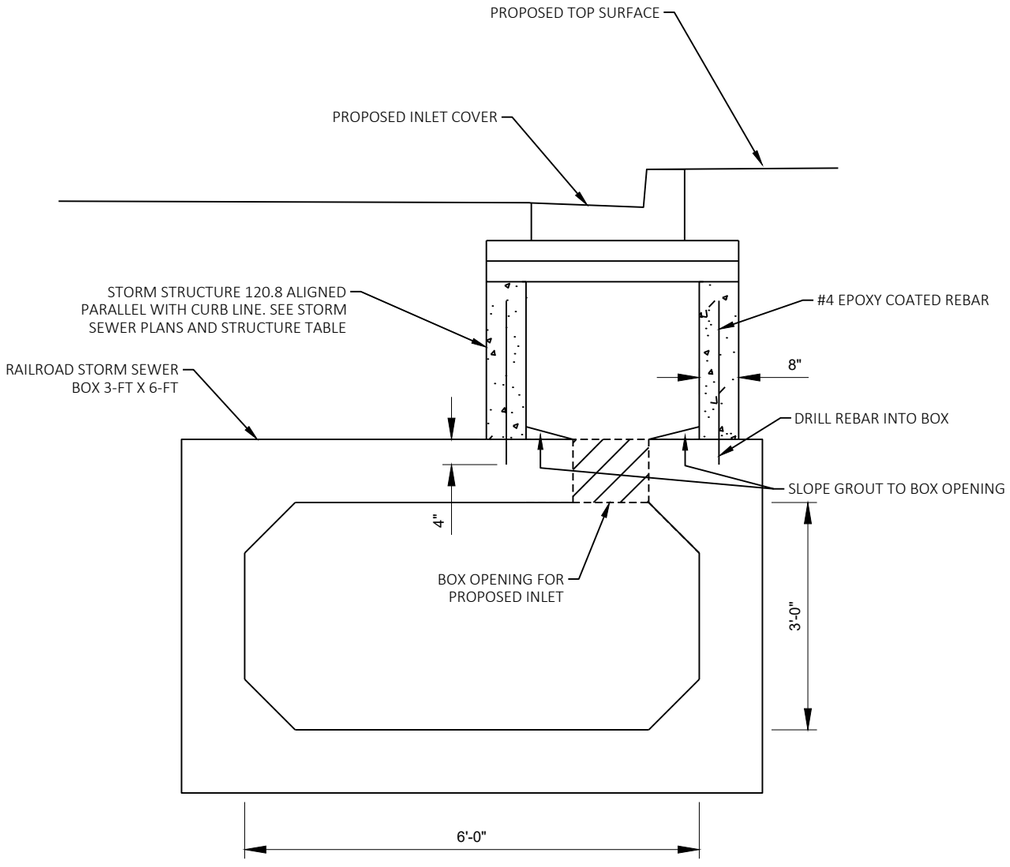
SEE STORM SEWER PLANS FOR ADDITIONAL DETAILS

2



RAILROAD STORM SEWER BOX 3-FT X 6-FT - PLAN VIEW

OPENING IN TOP SLAB FOR STORM SEWER
STRUCTURE 120.8

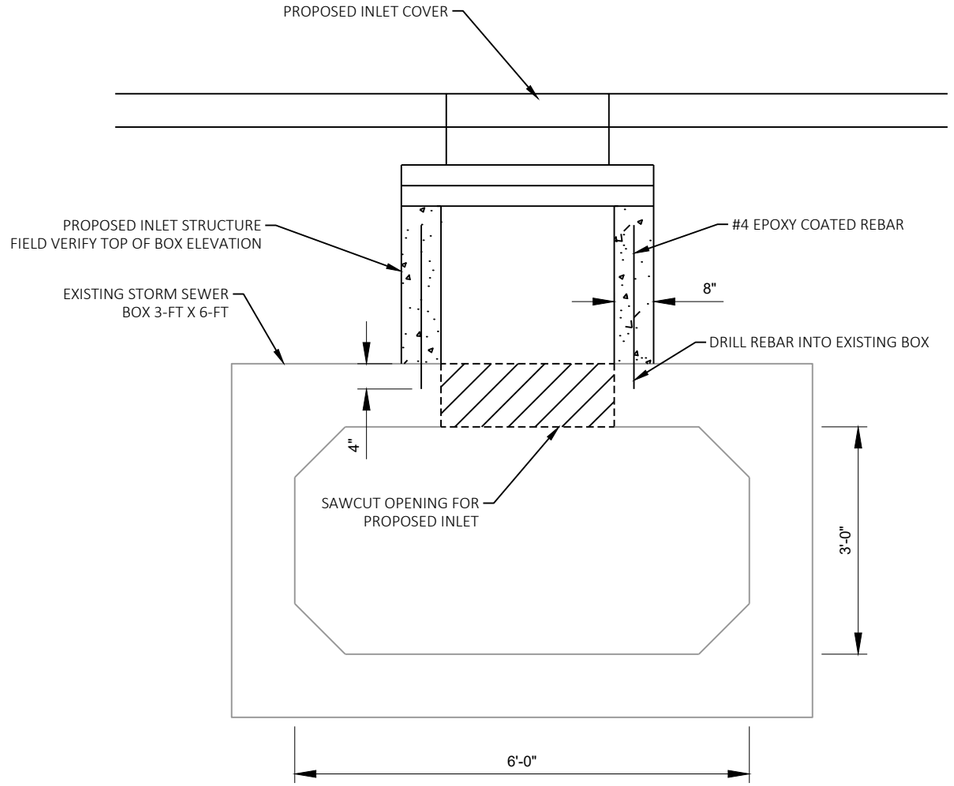


SADDLED INLET STRUCTURE 120.8

SEE STORM SEWER PLANS AND OTHER CONSTRUCTION DETAIL DRAWINGS FOR ADDITIONAL INFORMATION

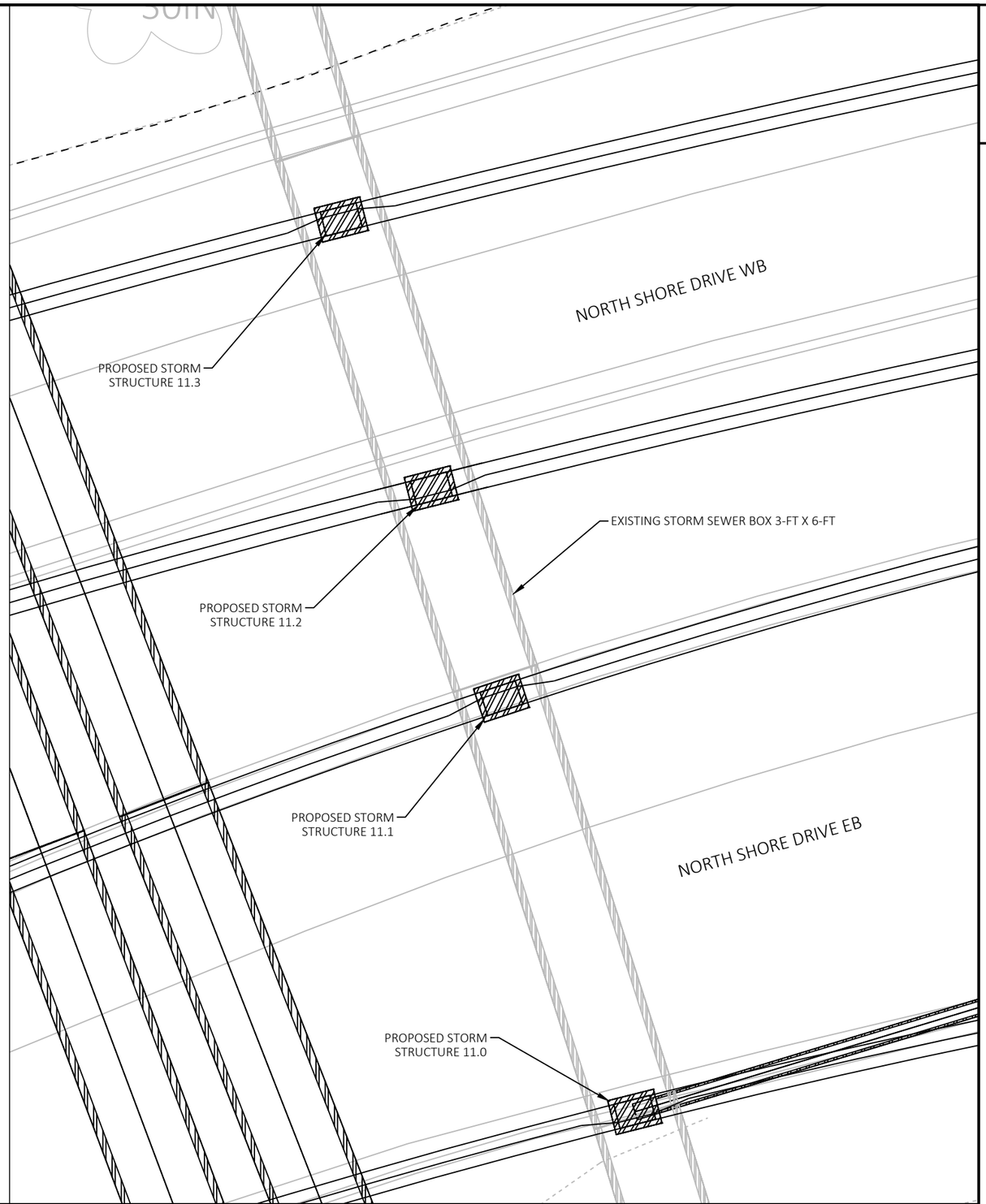
2

NOTE: FIELD VERIFY (ULO)
LOCATION OF EXISTING BOX
PRIOR TO CONSTRUCTION



SADDLED INLET STRUCTURES 11.0, 11.1, 11.2, & 11.3

SEE STORM SEWER PLANS AND OTHER
CONSTRUCTION DETAIL DRAWINGS FOR
ADDITIONAL INFORMATION

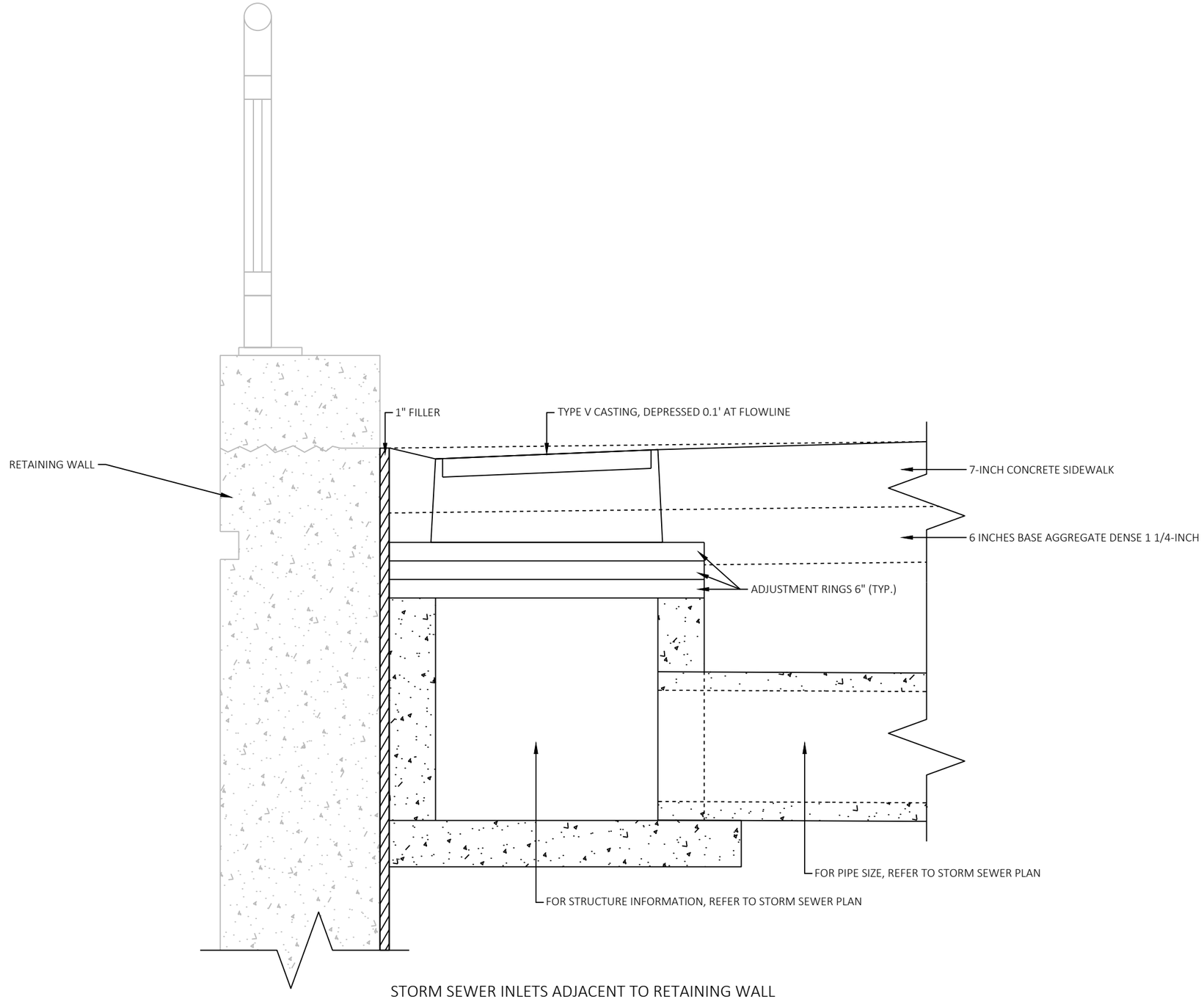


2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 32	E

NOTE:

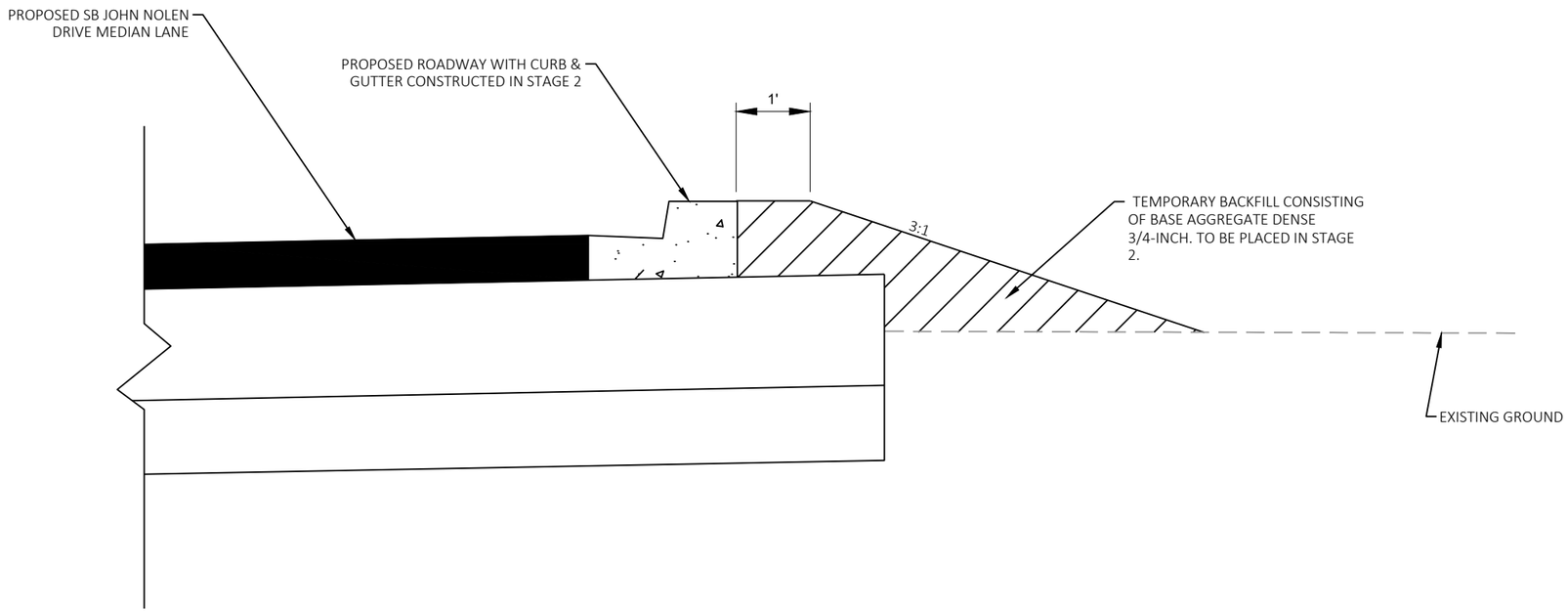
FOR ALL OTHER DETAILS NOT SHOWN. SEE SDD INLETS 2x2-FT, 2x2.5-FT, 2.5x3-FT AND 2x3.5-FT, SDD INLET AND MANHOLE COVERS, AND STRUCTURE PLANS



STORM SEWER INLETS ADJACENT TO RETAINING WALL

STORM SEWER INLETS - 83.31 | 99.29 | 114.5

2



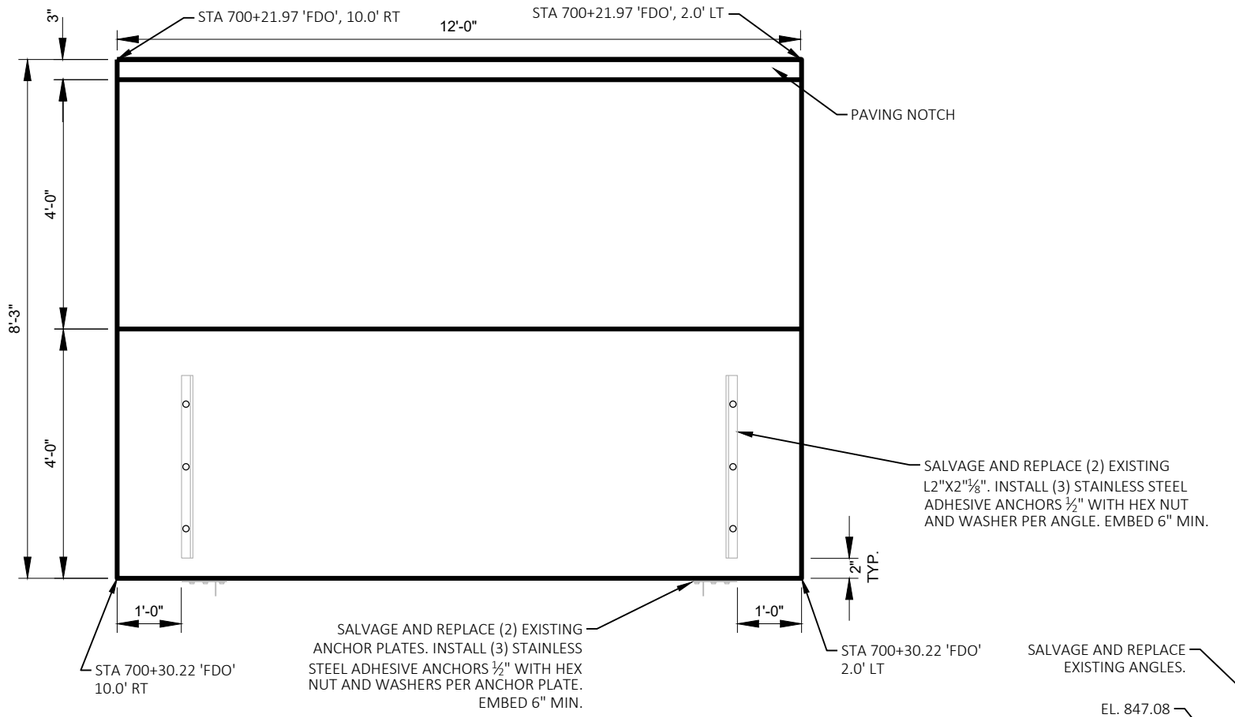
CONSTRUCTION STAGING CURB & GUTTER BACKFILL

ALL MEDIAN LOCATIONS

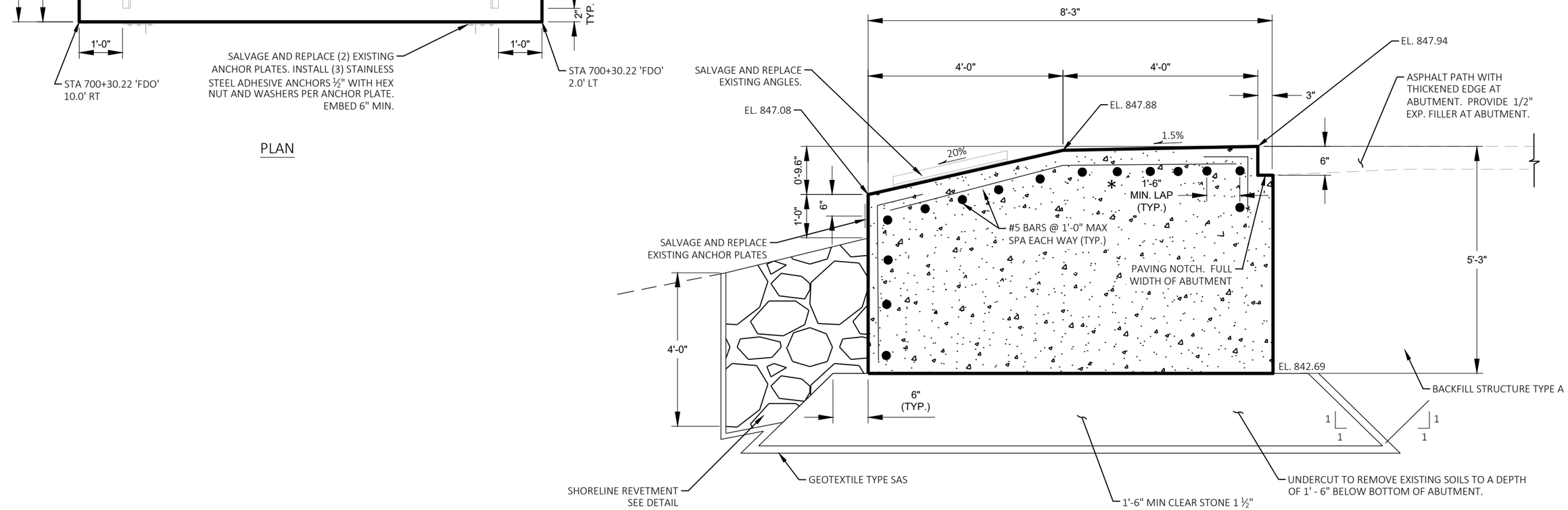
2

GENERAL NOTES

1. REFER TO PLAN DETAILS FOR FISHING DOCK ABUTMENT LOCATION.
2. EXISTING FISHING DOCK TO BE SALVAGED AND REINSTALLED BY OTHERS.
3. CONTRACTOR SHALL TAKE MEASURES AS REQUIRED TO DEWATER AND MAINTAIN A DRY EXCAVATION BEFORE PLACING BACKFILL OR CONCRETE.
4. PROVIDE 1/2" EXP. JOINT FILLER VERTICALLY BETWEEN ASPHALT PATH AND ABUTMENT. USE PREFORMED JOINT FILLER CONFORMING TO AASHTO M153, AASHTO M213 OR ASTM D8139.
5. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE.
6. EXCAVATION, CONCRETE, REINFORCEMENT, BACKFILL, SALVAGING EXISTING ANCHOR PLATES AND GUIDE ANGLES, GEOTEXTILE, SHORELINE REVETMENT, AND INSTALLATION OF ADHESIVE ANCHORS FOR THE FISHING DOCK ABUTMENT ARE PAID AS BID ITEM "FISHING DOCK ABUTMENT."



PLAN

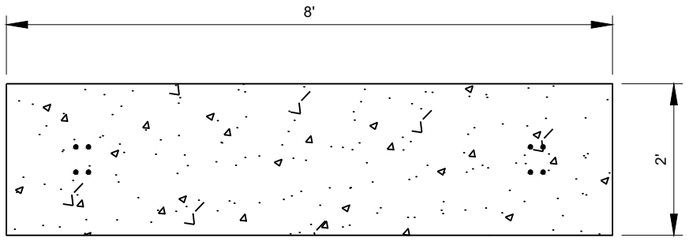


FISHING DOCK ABUTMENT DETAIL

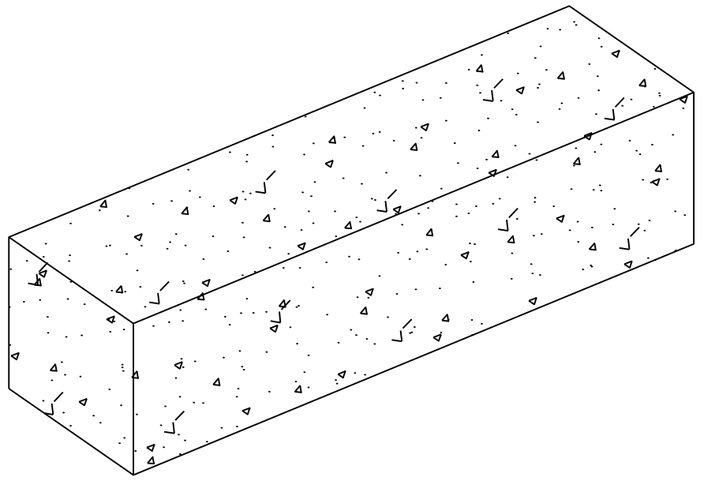
NOT TO SCALE

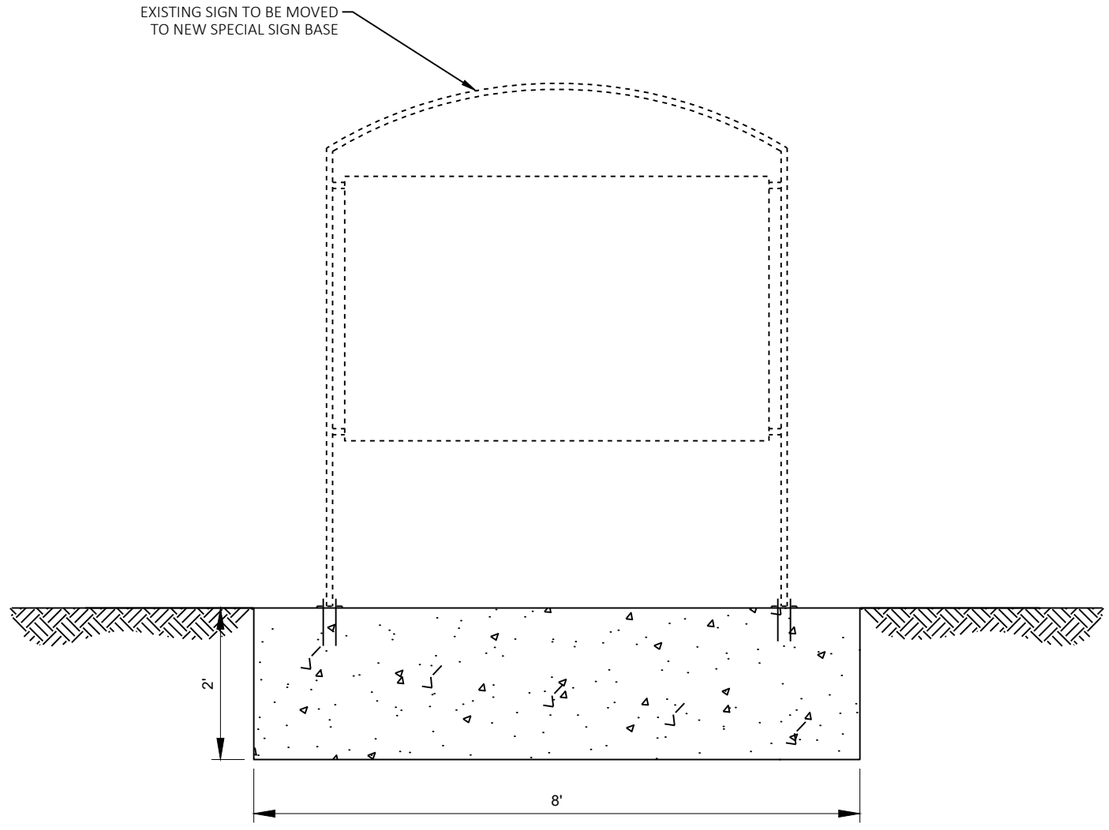
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 35	E

2



PLAN VIEW

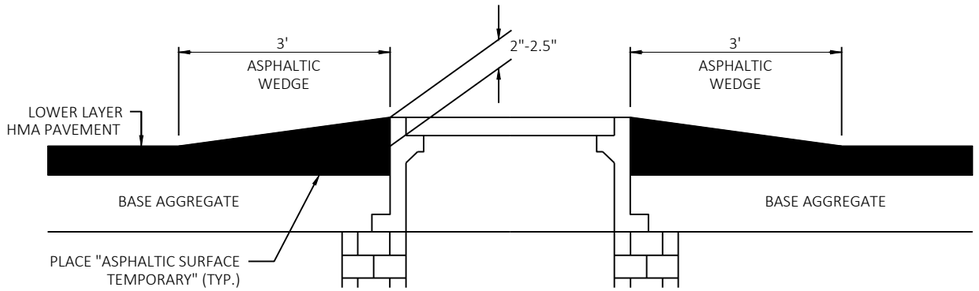




PROFILE VIEW

SPECIAL SIGN BASE

STA 123+75.88, 46.5' RT

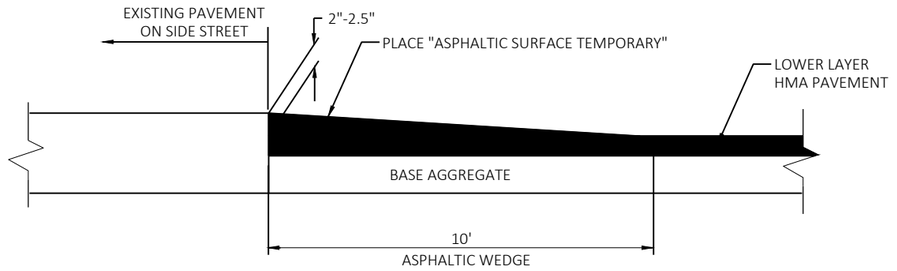


NOTES:

REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE MILLING."

PROVIDE ASPHALTIC WEDGES PRIOR TO OPENING LANE TO TRAFFIC.

TEMPORARY WEDGES DETAIL (MANHOLES)

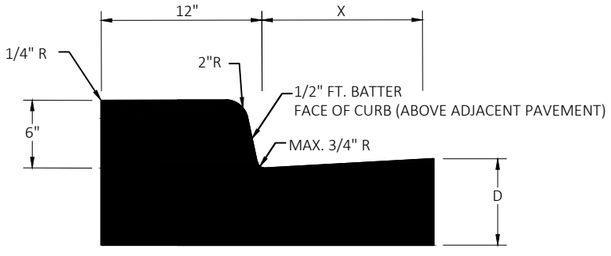


NOTES:

REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE MILLING."

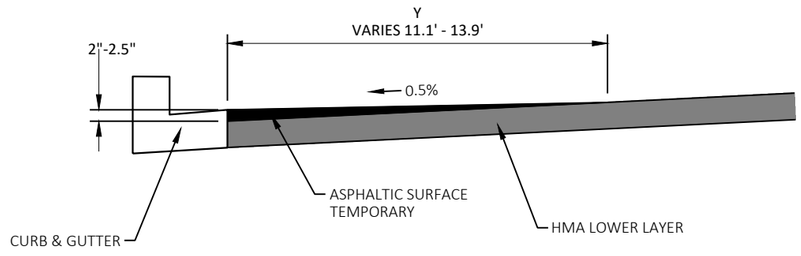
PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.

TEMPORARY WEDGES DETAIL (MATCH POINTS)



TEMPORARY ASPHALTIC CURB DETAIL

D = DEPTH OF ADJACENT ASPHALT PAVEMENT OR 6" MIN.
X = WIDTH OF GUTTER. MATCH EXISTING GUTTER WIDTH.
X=12" FOR 24-INCH ASPHALTIC CURB
X=24" FOR 36-INCH ASPHALTIC CURB



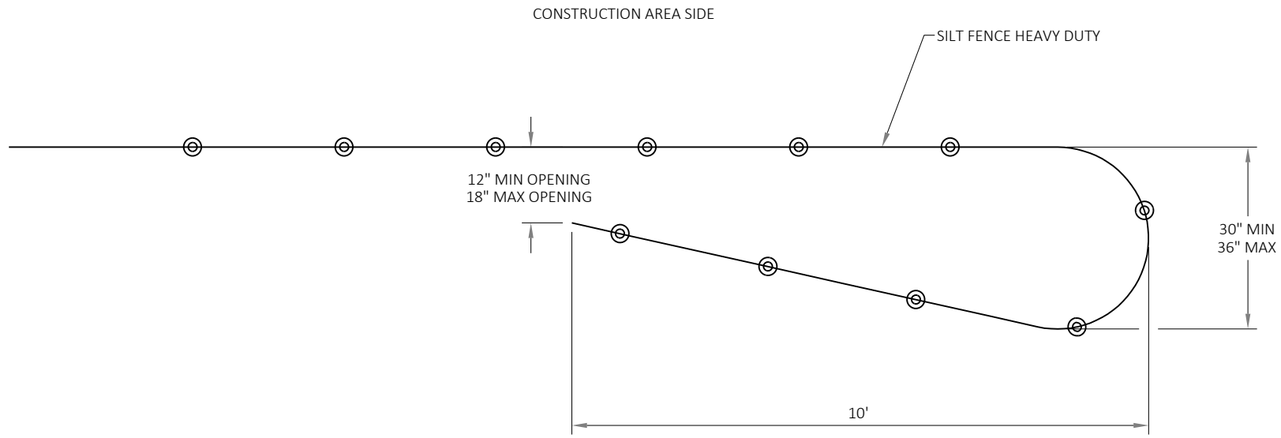
TRAFFIC CONTROL WEDGE DETAIL

NOTES:

Y = WIDTH VARIES TO MAINTAIN 0.5% SLOPE DOWN TO CURB & GUTTER FLANGE BASED ON DEPTH OF TOP HMA LAYER.

WEDGE TO BE PLACED PRIOR TO TRAFFIC SWITCH FOR STAGE 3 AND REMOVED PRIOR TO PLACEMENT OF FINAL SURFACE LAYER OF PAVEMENT.

REMOVAL OF TEMPORARY ASPHALTIC SURFACE WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE MILLING".



SILT FENCE HEAVY DUTY TURN-AROUND DETAIL

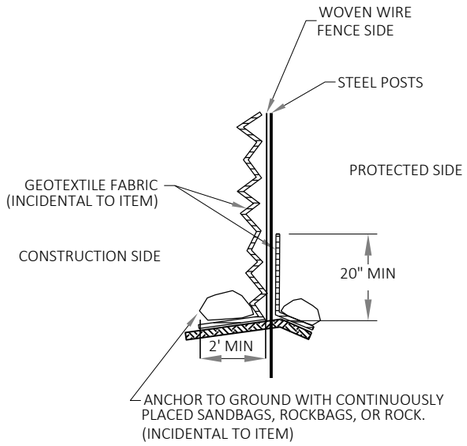
TO BE INSTALLED AT EACH END OF SILT FENCE HEAVY DUTY
(INCIDENTAL TO SILT FENCE HEAVY DUTY ITEM)

NOTES:

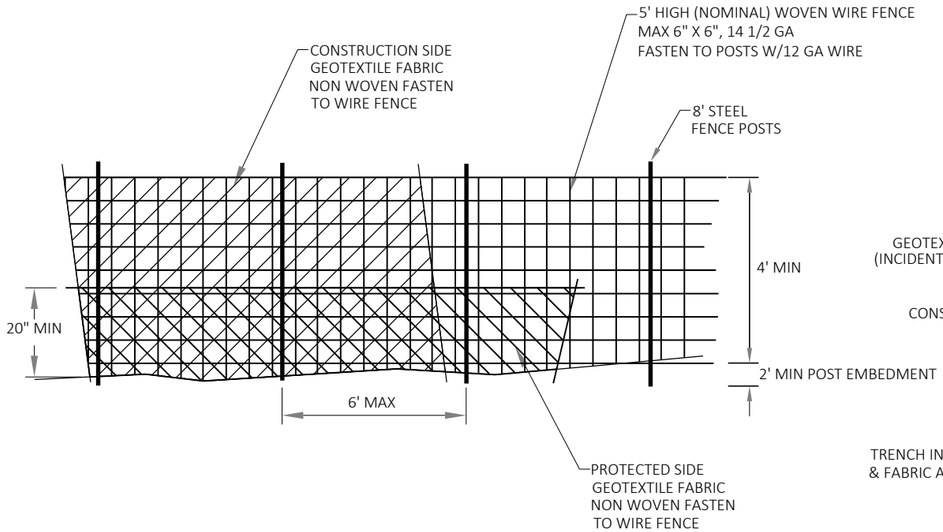
THE NON-CONSTRUCTION SIDE OF THE FENCE SHOULD BE KEPT CLEAR OF TALL VEGETATION THAT COULD ALLOW ANIMALS TO MANEUVER OVER THE FENCING.

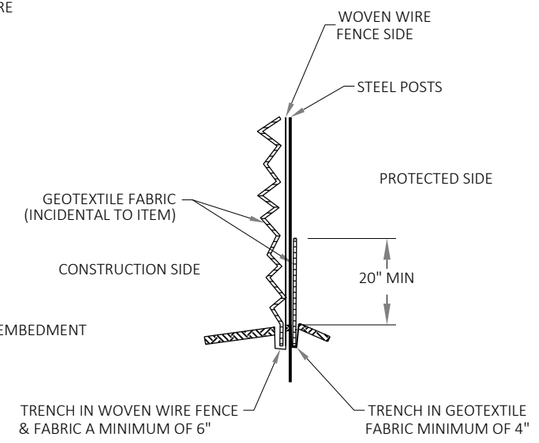
FENCING SHOULD BE INSTALLED WITH TURN-AROUNDS AT THE ENDS AND AT ANY ACCESS OPENINGS NEEDED IN THE FENCING, IN ORDER TO REDIRECT ANIMALS AWAY FROM OPENINGS.

2



ANCHORED INSTALLATION FOR WET CONDITION





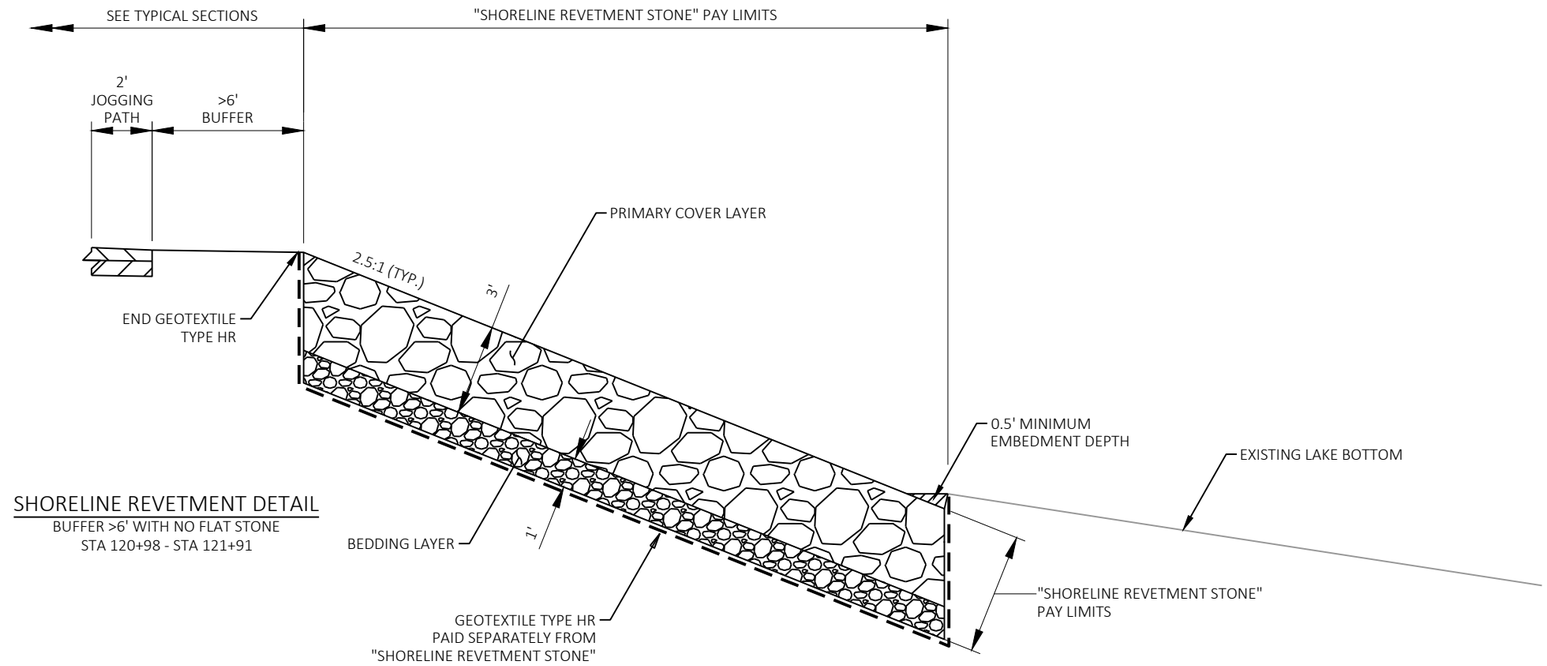
TRENCH INSTALLATION FOR DRY CONDITION

SILT FENCE HEAVY DUTY

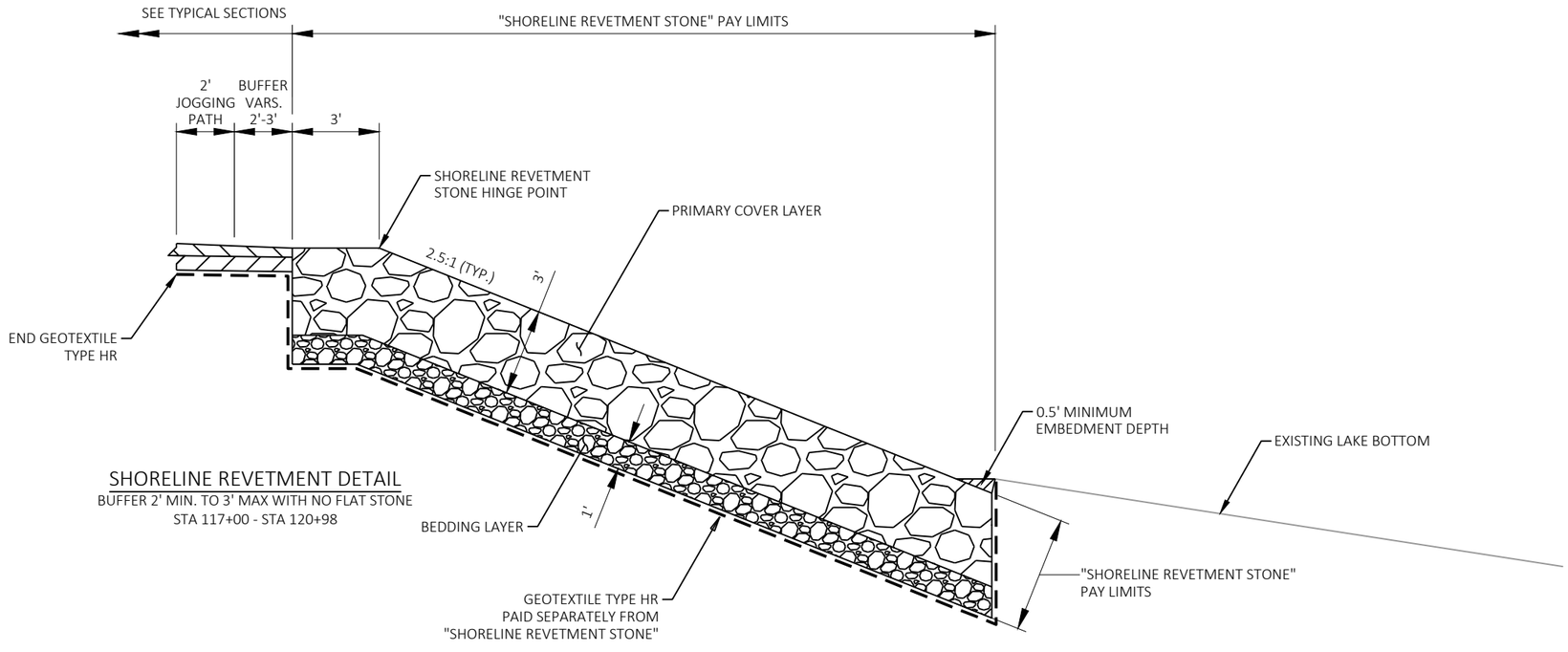
GENERAL NOTES:

FASTEN THE GEOTEXTILE FABRIC TO THE WOVEN WIRE FENCE EVERY 2-FEET

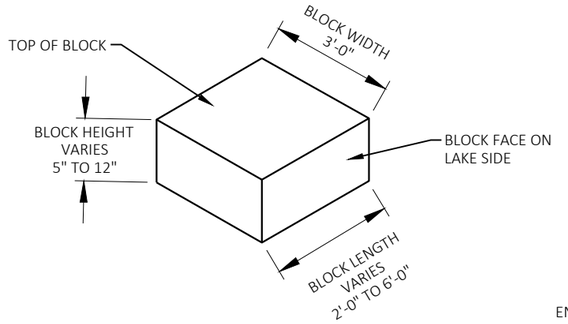
ADJUST POST EMBEDMENT AND/OR SPACING BASED ON EXISTING SOILS



SHORELINE REVETMENT DETAIL
BUFFER >6' WITH NO FLAT STONE
STA 120+98 - STA 121+91

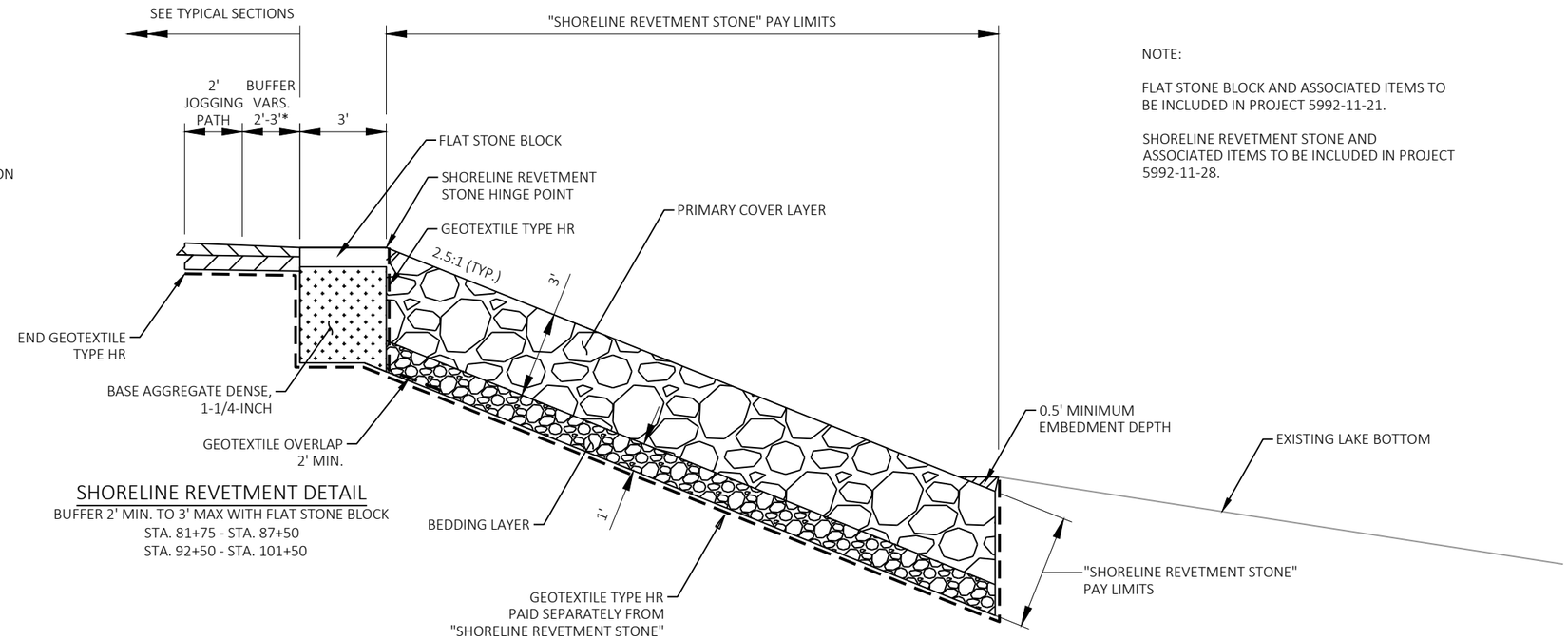


SHORELINE REVETMENT DETAIL
BUFFER 2' MIN. TO 3' MAX WITH NO FLAT STONE
STA 117+00 - STA 120+98



FLAT STONE BLOCK DETAIL

*WHERE BUFFER IS GREATER THAN 3' IN AREAS WITH FLAT STONE, BUFFER TO BE RESTORED WITH TOPSOIL, SEEDING TEMPORARY, FERTILIZER, AND EROSION MAT. SEE TYPICAL SECTIONS.



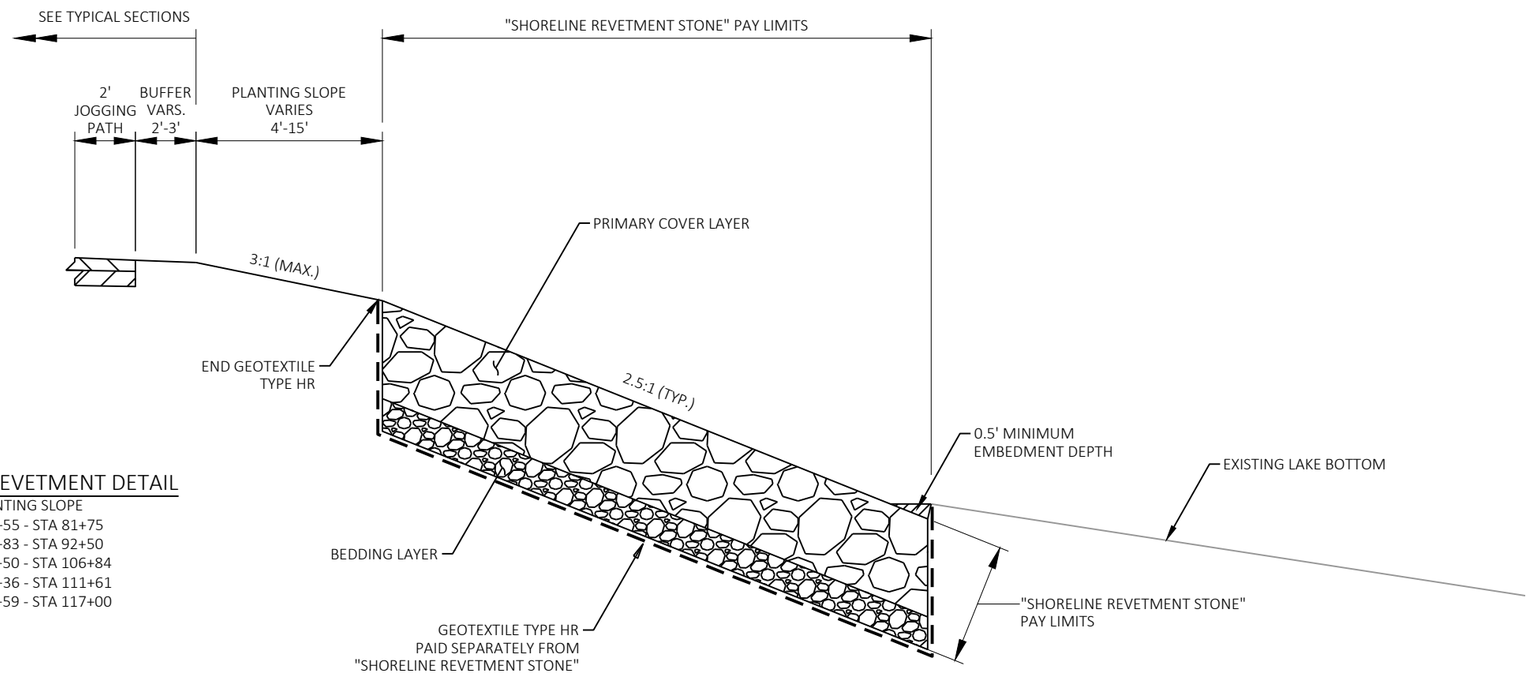
SHORELINE REVETMENT DETAIL

BUFFER 2' MIN. TO 3' MAX WITH FLAT STONE BLOCK
STA. 81+75 - STA. 87+50
STA. 92+50 - STA. 101+50

NOTE:

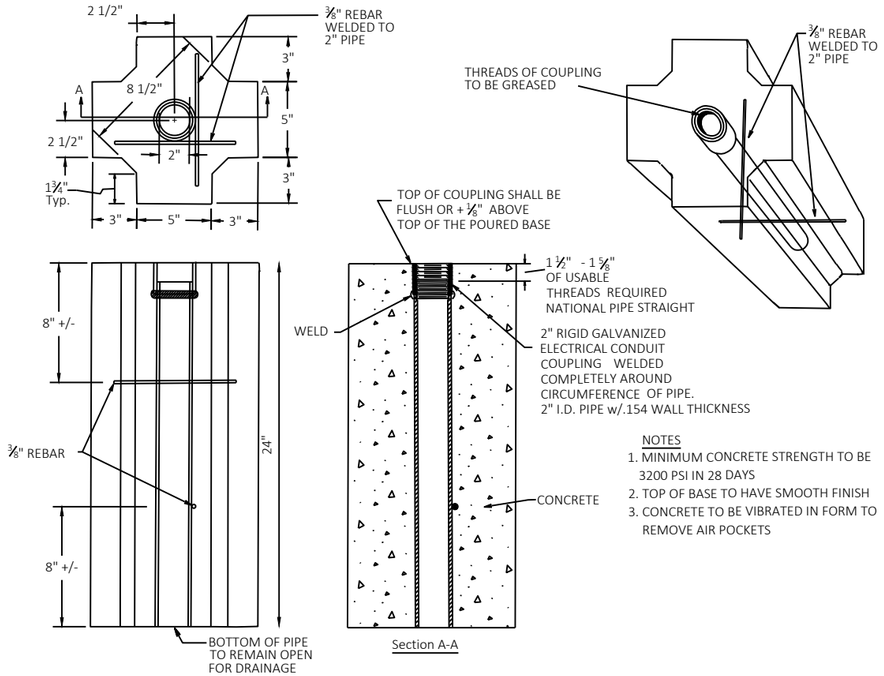
FLAT STONE BLOCK AND ASSOCIATED ITEMS TO BE INCLUDED IN PROJECT 5992-11-21.

SHORELINE REVETMENT STONE AND ASSOCIATED ITEMS TO BE INCLUDED IN PROJECT 5992-11-28.



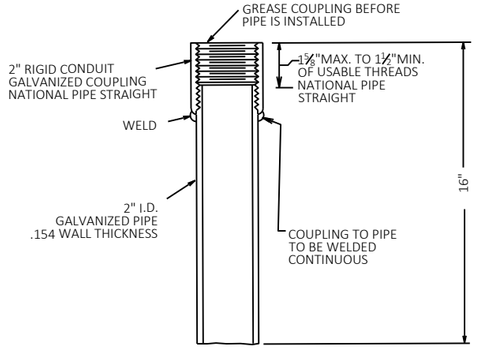
SHORELINE REVETMENT DETAIL

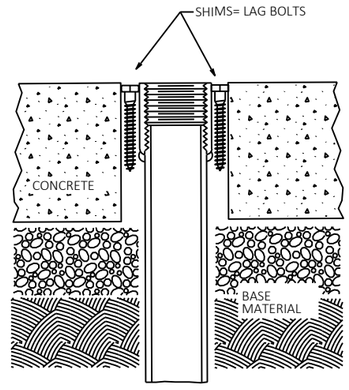
PLANTING SLOPE
STA 79+55 - STA 81+75
STA 89+83 - STA 92+50
STA 101+50 - STA 106+84
STA 109+36 - STA 111+61
STA 114+59 - STA 117+00



NOTES
1. MINIMUM CONCRETE STRENGTH TO BE 3200 PSI IN 28 DAYS
2. TOP OF BASE TO HAVE SMOOTH FINISH
3. CONCRETE TO BE VIBRATED IN FORM TO REMOVE AIR POCKETS

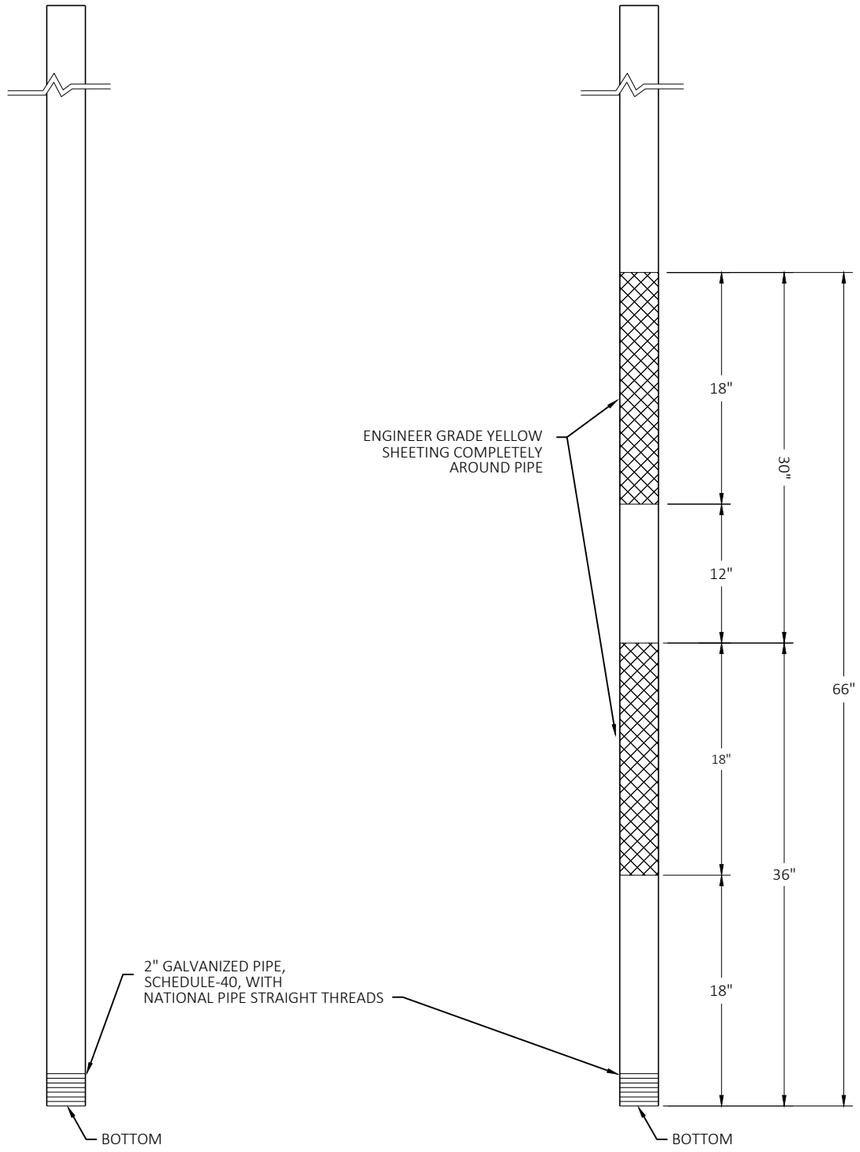
PRECAST CONCRETE SIGN BASE





SIGN POST PIPE INSERT IN CONCRETE INSTALLATION:
Drill or core drill 3 1/8" hole all the way through the concrete to the base material. Temporarily hand-tighten a threaded pipe about 4 feet long into the insert (see Insert detail). Drive the insert into the base material at a level/plumb position until the insert is flush with the top of the concrete. Shim insert to a level/plumb position using various sizes of lag bolts. Remove temporary pipe, install permanent pipe. Use large pipe wrench to tighten until insert turns, then reset shims/or add shims until pipe no longer turns. Re-tighten pipe, recheck level/plumb/top of concrete with insert.
Mix up a batch of waterproof anchoring cement for concrete that has a compressive strength of 8000psi at 28 days. The anchoring cement should be mixed up to a liquid consistency, not a paste. Pour the anchoring cement between the concrete and outside of the pipe, until flush with the top of the insert. Quickly recheck insert for level/plumb/top of concrete since the anchoring cement is fast-setting. May need to add more anchoring cement as it settles. Installation needs to be level/plumb, solid and strong when completed.

SIGN POST BASE FOR CONCRETE INSTALLATION DETAIL



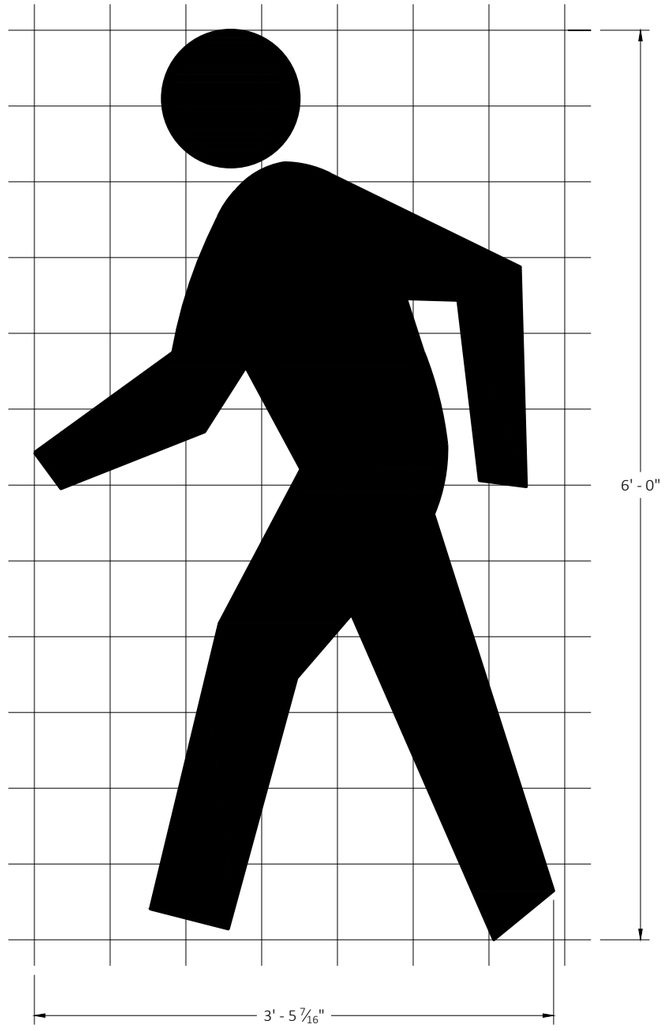
SIGN POST

REFLECTIVE SIGN POST
(TRUCK ROUTE STREETS ONLY)

SIGN POST AND REFLECTIVE SIGN POST

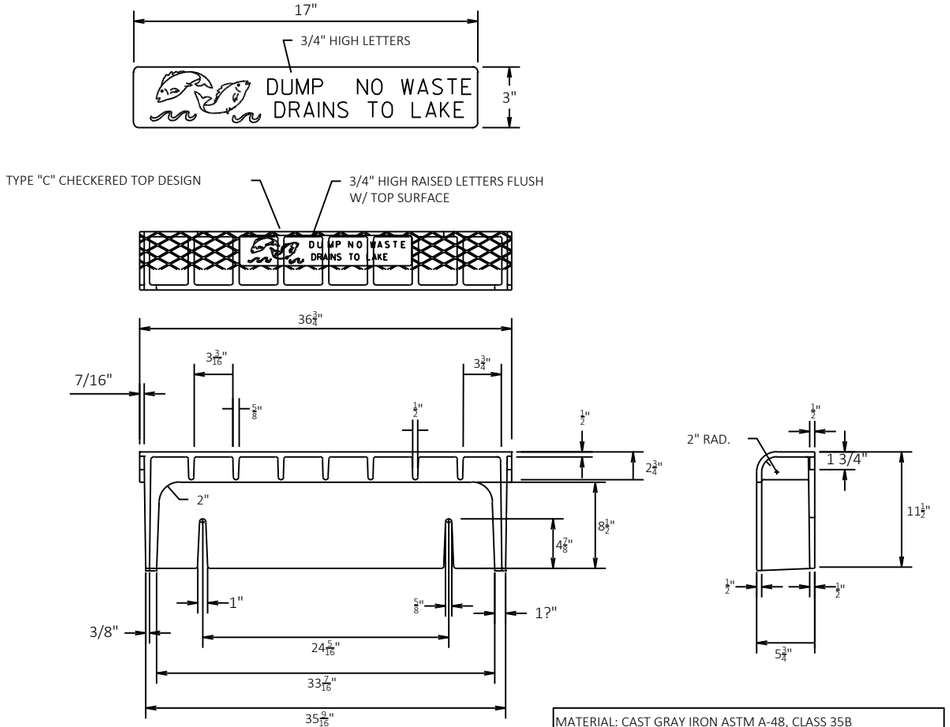
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAID FOR AS "MARKING SYMBOL EPOXY"



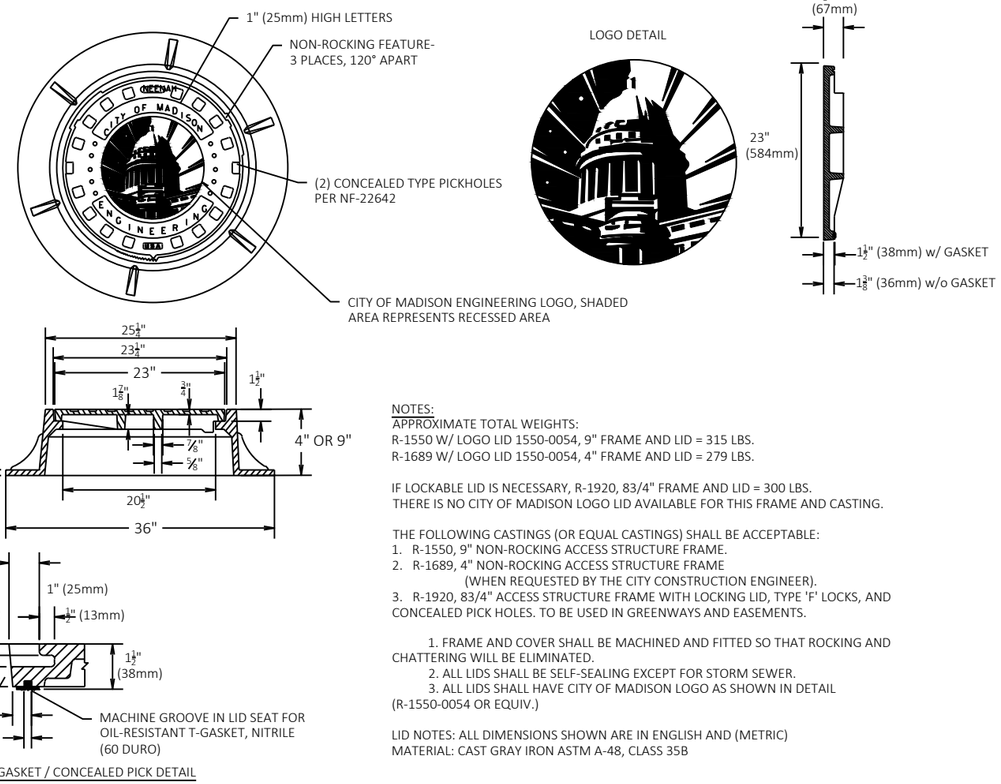
PEDESTRIAN CROSSING SYMBOL

2



MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHTl 126#

INLET COVER TYPE H SPECIAL & TYPE H-S SPECIAL DETAIL



T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:
APPROXIMATE TOTAL WEIGHTS:
R-1550 W/ LOGO LID 1550-0054, 9" FRAME AND LID = 315 LBS.
R-1689 W/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

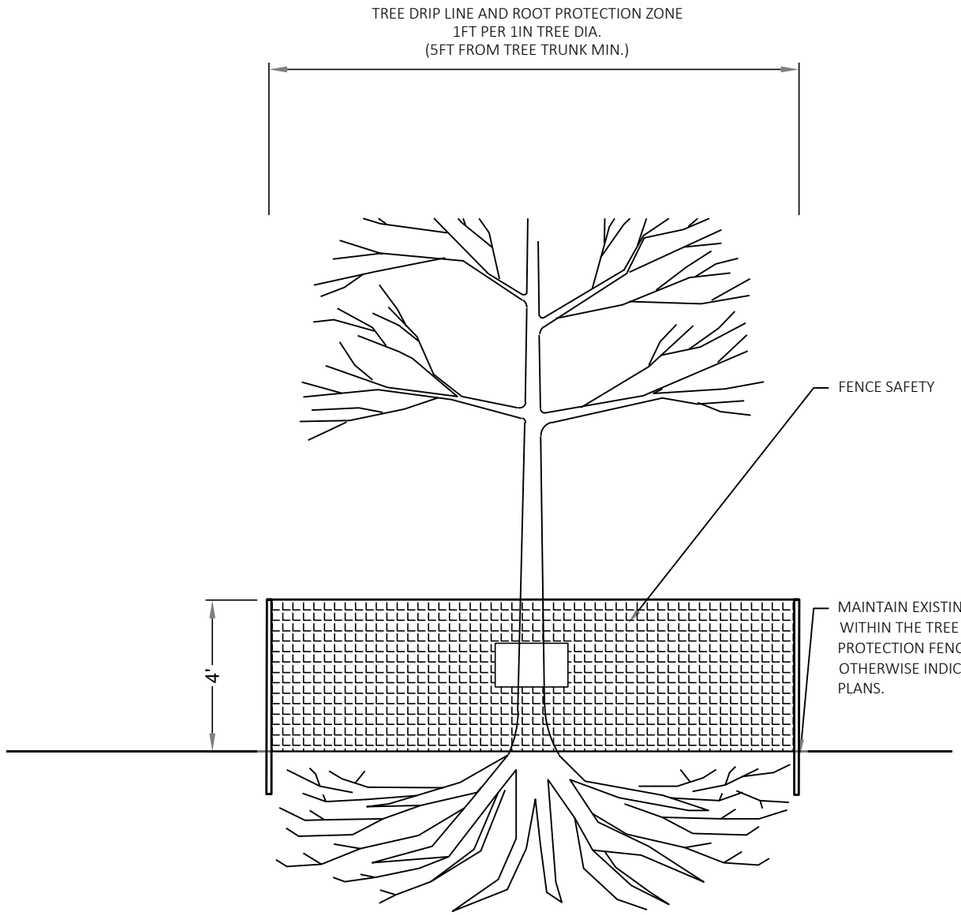
IF LOCKABLE LID IS NECESSARY, R-1920, 83/4" FRAME AND LID = 300 LBS.
THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

THE FOLLOWING CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:
1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME
(WHEN REQUESTED BY THE CITY CONSTRUCTION ENGINEER).
3. R-1920, 83/4" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

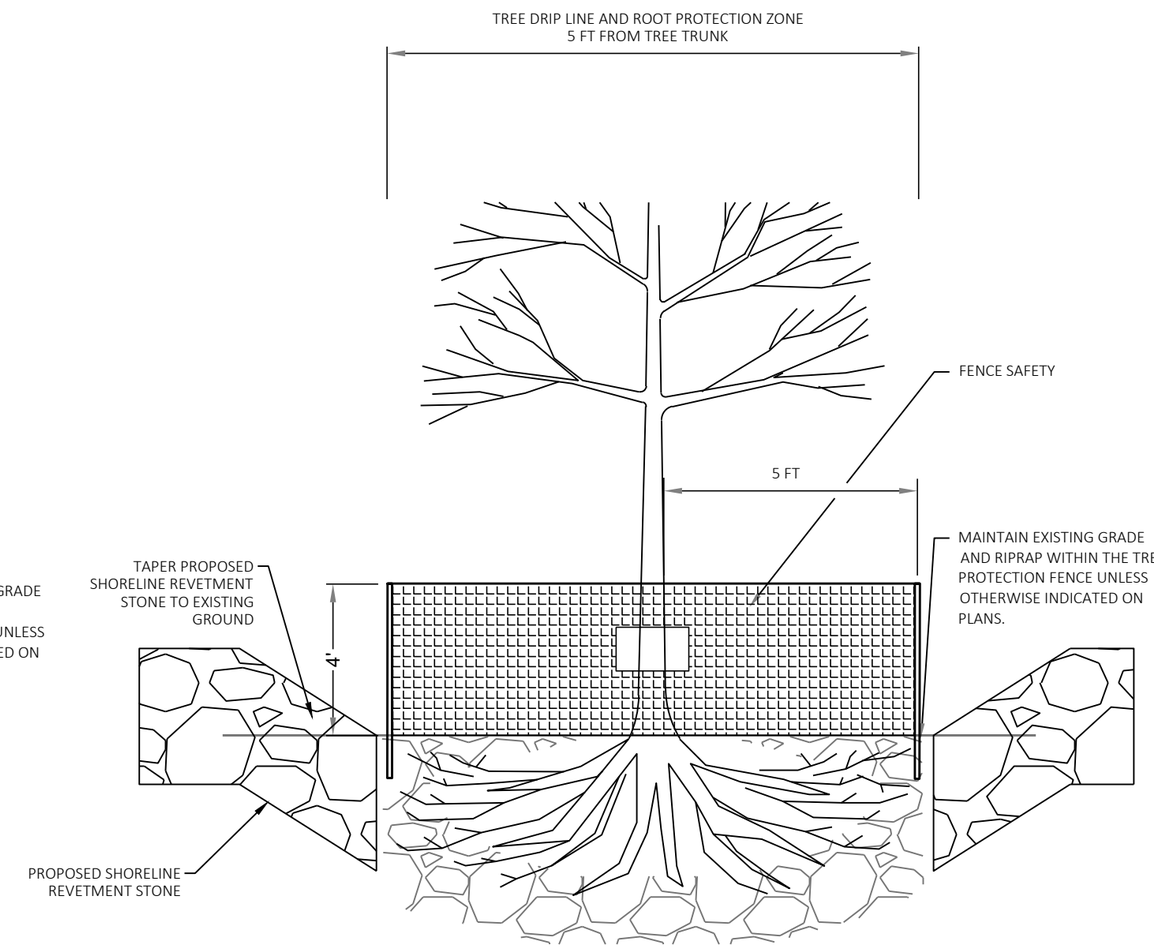
1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND (METRIC)
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

MANHOLE COVER TYPE J MODIFIED



STANDARD TREE PROTECTION

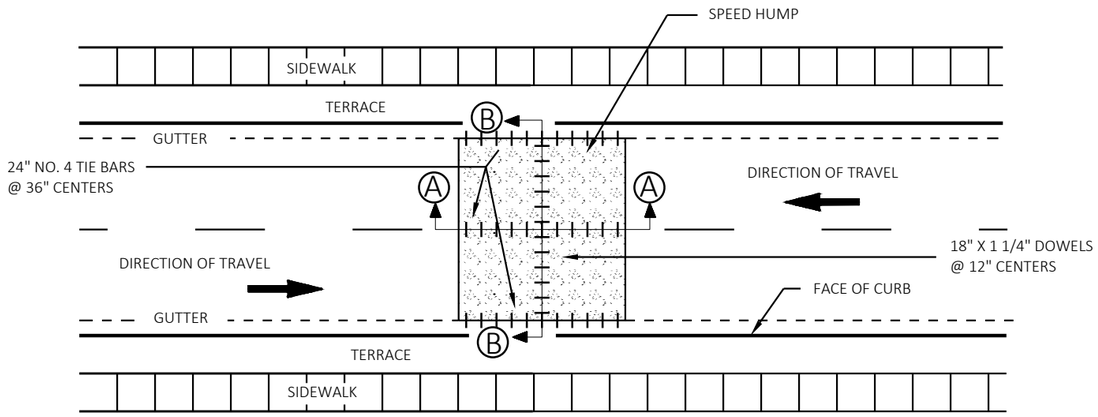


SHORELINE REVETMENT TREE PROTECTION

NOTES:

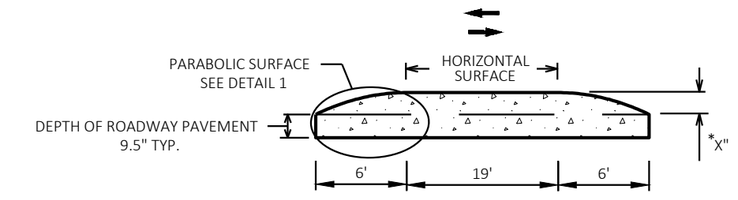
1. SEE SPECIAL PROVISIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
2. NO PRUNING SHALL BE ALLOWED EXCEPT AS APPROVED BY THE ENGINEER.
3. NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING INSTALLATION AND REMOVAL, EXCEPT AS APPROVED BY THE ENGINEER.
4. THIS DETAIL SHOWS SUGGESTED TREE PROTECTION ZONE. THE ENGINEER MAY DETERMINE AND MODIFY TREE PROTECTION AS NEEDED IN THE FIELD.

TREE PROTECTION



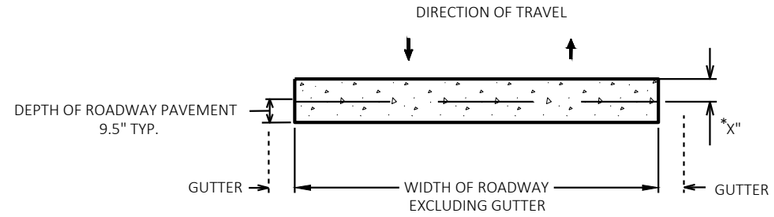
PLAN VIEW

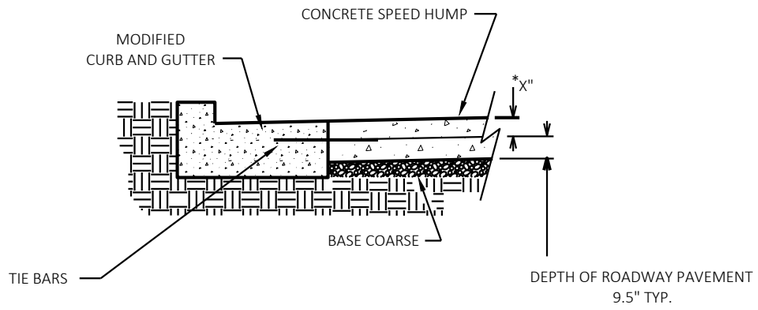
SPEED HUMP ON TYPICAL URBAN STREET



SECTION AA

NOT TO SCALE
(VERTICAL SCALE IS EXAGERATED)



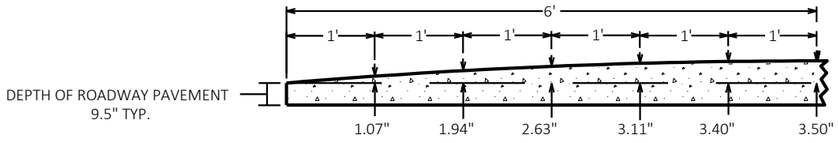


CURB DETAIL

CROSS SECTION

SECTION BB

NOT TO SCALE
(VERTICAL SCALE IS EXAGERATED)



DETAIL 1

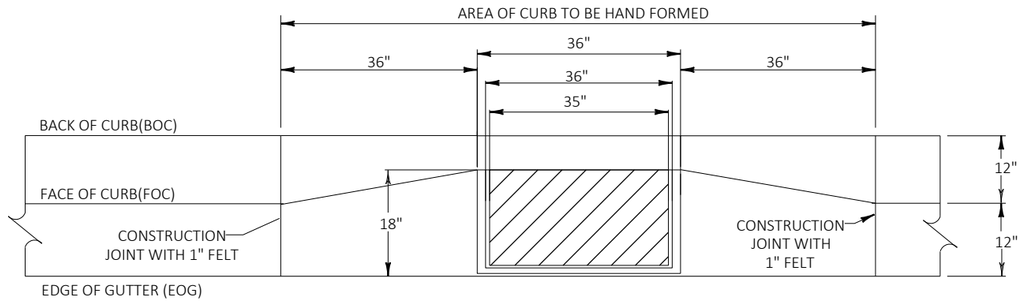
PARABOLIC SURFACE

RAISED CONCRETE CROSSWALK

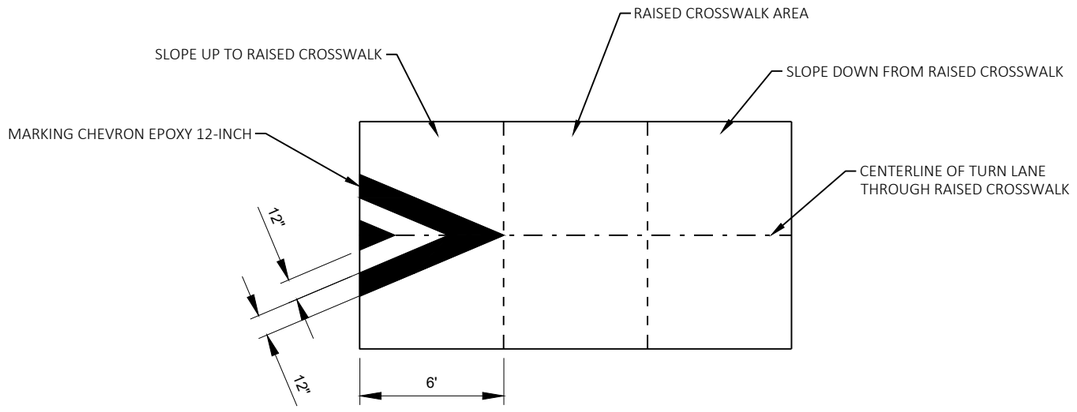
*X: HEIGHT VARIES 2.4" TO 3.2". SEE NORTH SHORE DRIVE RAISED CROSSWALK DETAIL SHEET FOR ADDITIONAL INFORMATION AND SPECIFIC DESIGN DETAILS.

PAID FOR UNDER THE BID ITEM CONCRETE PAVEMENT 9 1/2-INCH

2



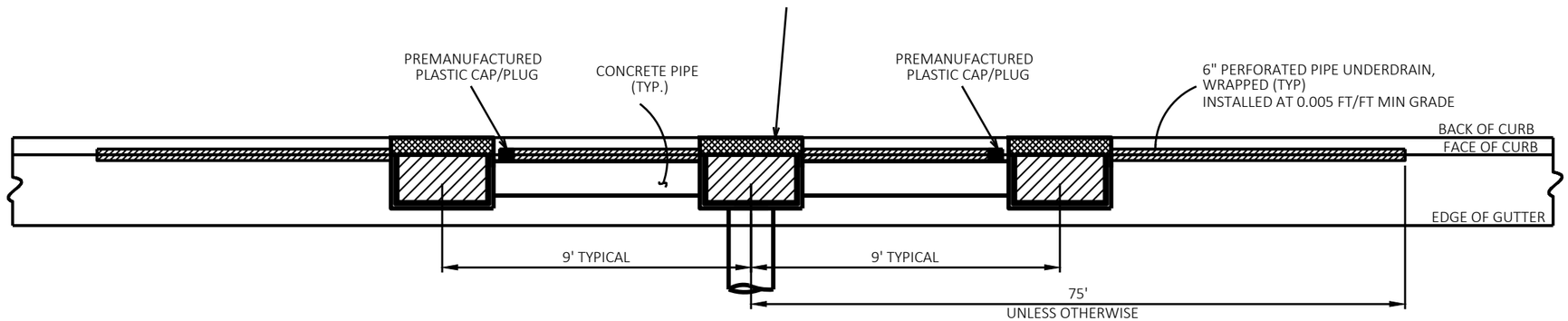
INLET LOCATIONS IN CURB DETAIL



MARKINGS FOR RAISED CROSSWALK

2

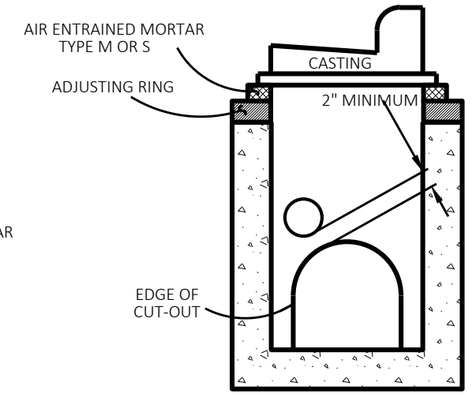
NOTE:
ATTACHMENT TO REAR OF INLET IS SATISFACTORY IF PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.



NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PERFORATED PIPE UNDERDRAIN SHALL BE INSTALLED 75 FEET TO EITHER DIRECTION FROM THE LOW POINT AT A MINIMUM POSITIVE GRADE OF 0.005 FT/FT. THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER INLET.

TOP VIEW

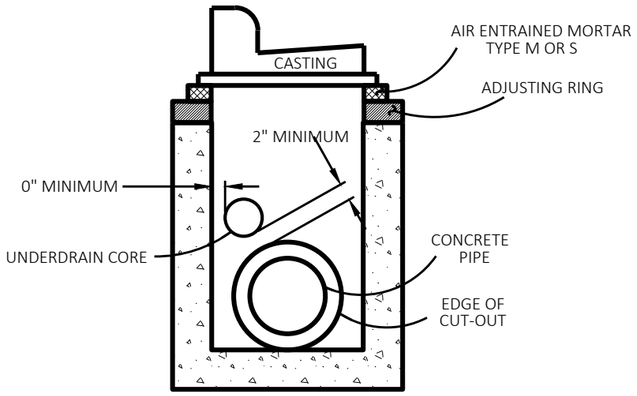
TYPICAL TRIPLE INLET CONFIGURATION WITH UNDERDRAIN



NOTE:
WHERE 'DOG HOUSES' ARE USED CORE HOLES SHALL NOT BE INSTALLED IN THE 'DOG HOUSE' AND SHALL BE INSTALLED 2" OUTSIDE THE 'DOG HOUSE'.

CROSS-SECTION VIEW

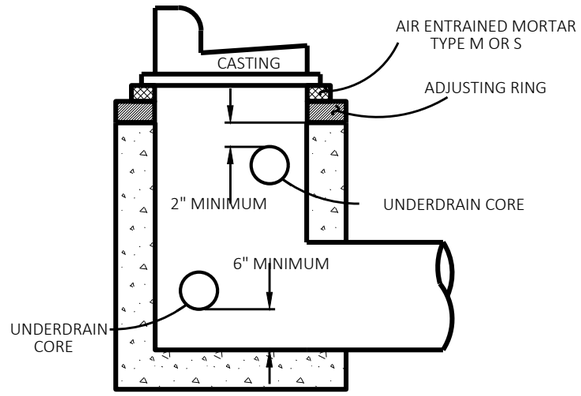
TYPICAL 'DOG HOUSE' INLET CONFIGURATION



NOTE:
(1) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.
(2) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

CROSS-SECTION VIEW

TYPICAL INLET IN SUMP CONDITION WITH UNDERDRAIN CORED INTO WALL WITH PIPE



NOTE:
(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE FLOOR OF THE INLET.
(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)
(3) DRAIN TILES SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES

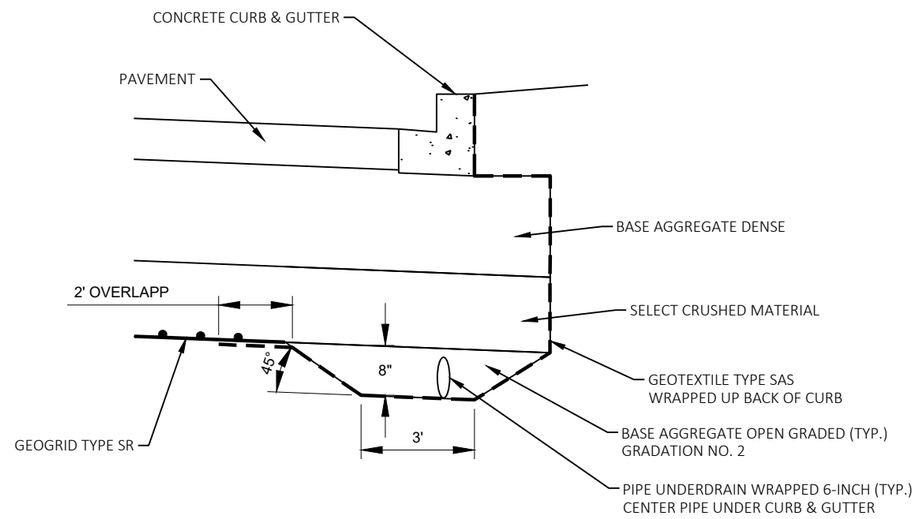
CROSS-SECTION VIEW

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH NO PIPE

UNDERDRAIN

DRAWING NOT TO SCALE

2

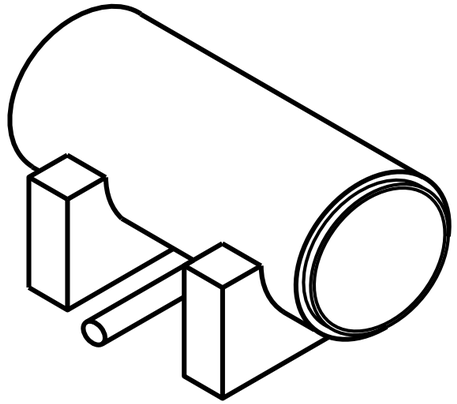


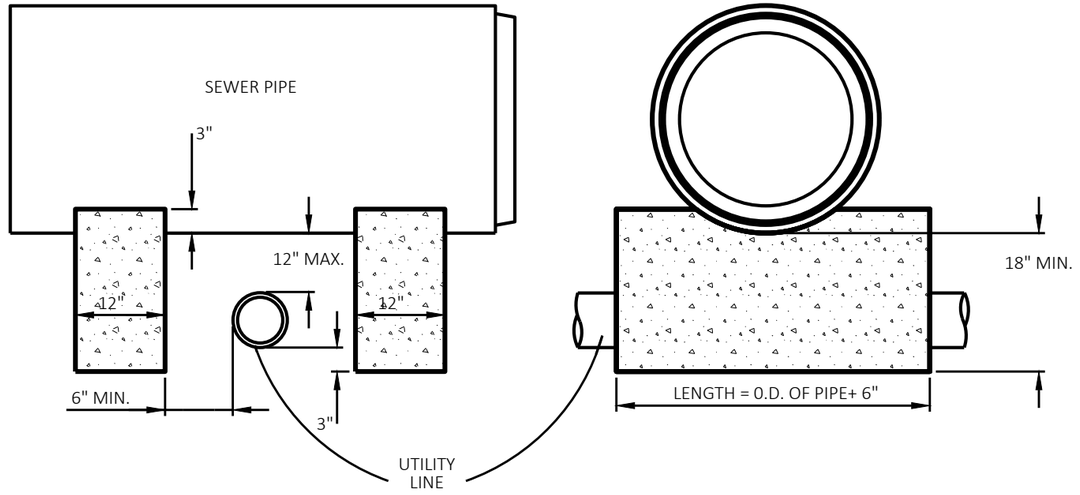
UNDERDRAIN INSTALLATION

NOTE: BASE AGGREGATE OPEN GRADED IS INCIDENTAL TO UNDERDRAIN.

SEE STORM SEWER PLANS FOR LOCATIONS.

2



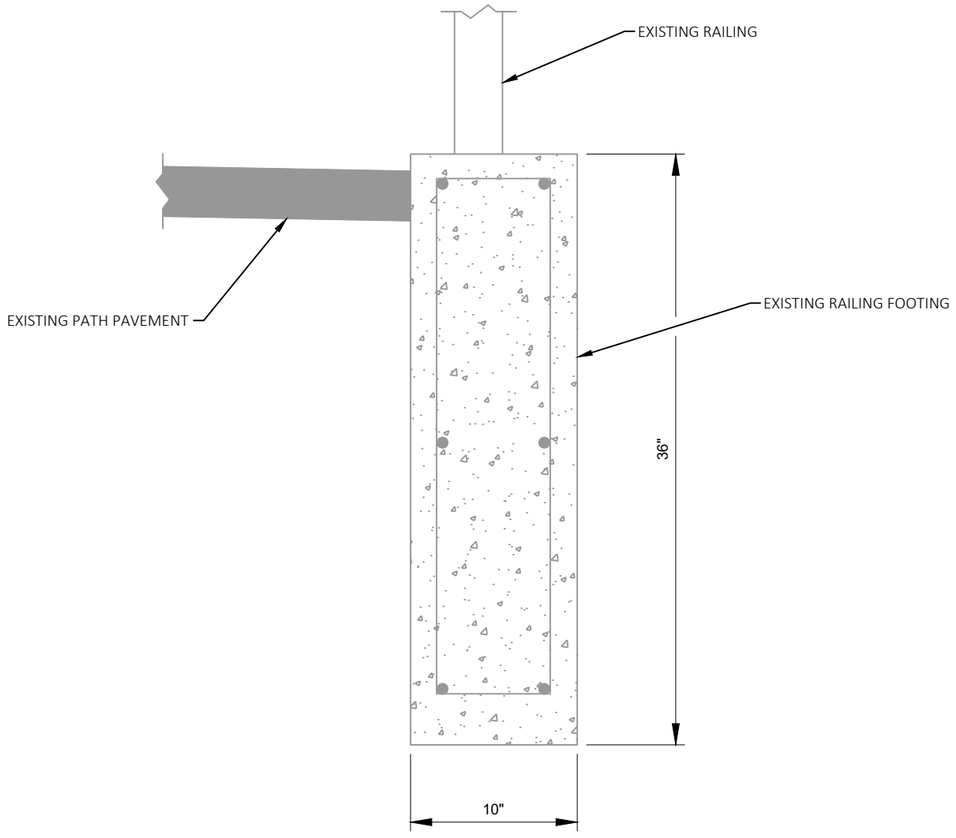


NOTE:
PAID FOR AS CONCRETE SUPPORTS, SPV.0060.036

CONCRETE SUPPORTS

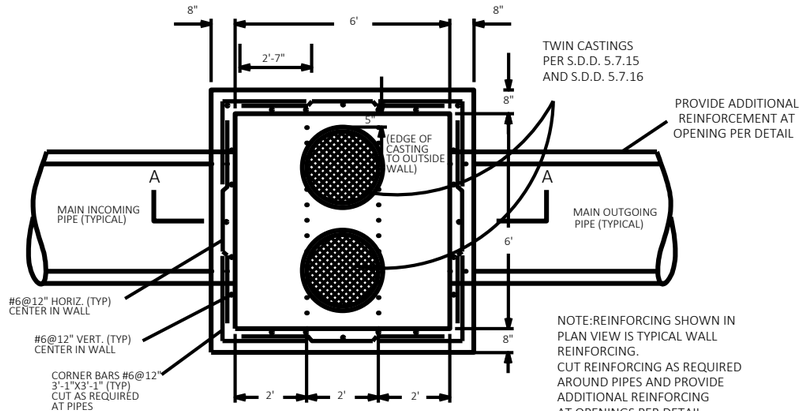
STA 123+87.96 'NB', 22.8' RT

2



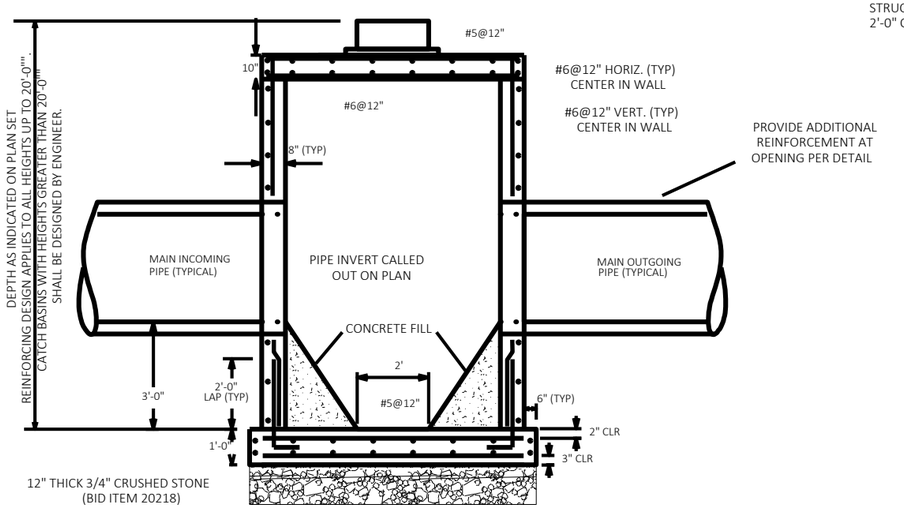
EXISTING RAILING FOOTING AT BRIDGE APPROACHES

INFORMATION PROVIDED FOR REMOVAL ONLY



PLAN VIEW

NOTE:REINFORCING SHOWN IN PLAN VIEW IS TYPICAL WALL REINFORCING.
CUT REINFORCING AS REQUIRED AROUND PIPES AND PROVIDE ADDITIONAL REINFORCING AT OPENINGS PER DETAIL.



SECTION A-A

GENERAL NOTES:
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING SHALL BE EPOXY COATED.

CONTRACTOR MAY CHOOSE TO PRECAST TOP SLAB AND LIFT SLAB ONTO STRUCTURE. IF TOP SLAB IS NOT CAST-IN-PLACE, USE ONE OF THE ALTERNATE SLAB JOIN DETAILS SHOWN IN "PRECAST TOP SLAB JOINT DETAIL".

PROVIDE ADDITIONAL REINFORCEMENT AT ALL OPENINGS PER "ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS" DETAIL.

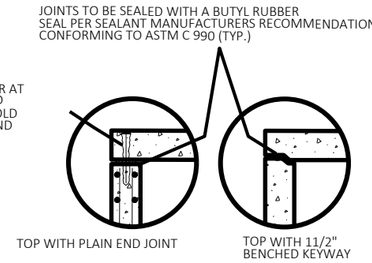
BACKFILL STRUCTURE WITH SELECT FILL SAND (BID ITEM 20208).

DESIGN DATA:
CONCRETE MASONRY: f'c= 4,000 PSI
STEEL REINFORCING: fY=60,000 PSI

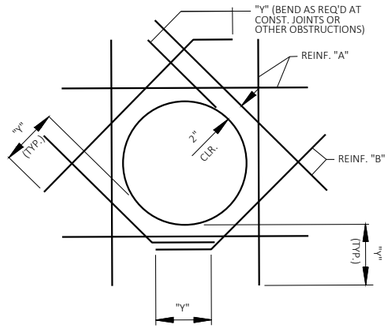
STRUCTURE IS DESIGNED FOR HS20 LIVE LOAD.

STRUCTURE IS NOT DESIGNED FOR MORE THAN 2'-0" OF FILL ON TOP OF TOP SLAB.

#5 BAR CONCRETE ADHESIVE ANCHOR AT 4 CORNERS OF SLAB. CENTER DRILLED ANCHOR IN WALL AND EMBED 6". HOLD DOWN 2" FROM TOP OF TOP SLAB AND GROUT HOLE OVER ANCHOR.



PRECAST TOP SLAB JOINT DETAIL



NOTES

1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING TO AVOID CUTTING REINF. CUT REMAINING BARS THAT PASS THROUGH OPENING.

2. WHERE REINF. MUST BE CUT, ADD REINF. "A" AT LEAST EQUAL IN AREA TO THAT WHICH WAS CUT AND EXTEND BEYOND OPENING DISTANCE "Y".

3. DIAGONAL BARS "B" TO BE PLACED:
   A. AT EACH FACE OF WALL WHERE TWO LAYERS OF REINF. ARE PROVIDED.
   B. AT TOP & BOTTOM OF ALL SLABS.

4. UNLESS OTHERWISE NOTED, SIZE OF REINF. "B" SHALL BE THE SIZE OF THE LARGEST REINF. BAR CUT.

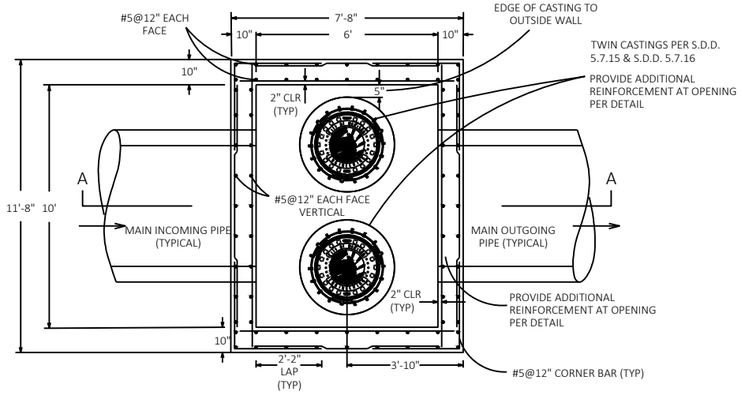
5. Y = CLASS B LAP (#4 BAR = 1'-6") (#5 BAR = 1'-10")

6. THIS DETAIL IS TO BE USED WHEN NO OTHER DETAIL IS SPECIFIED.

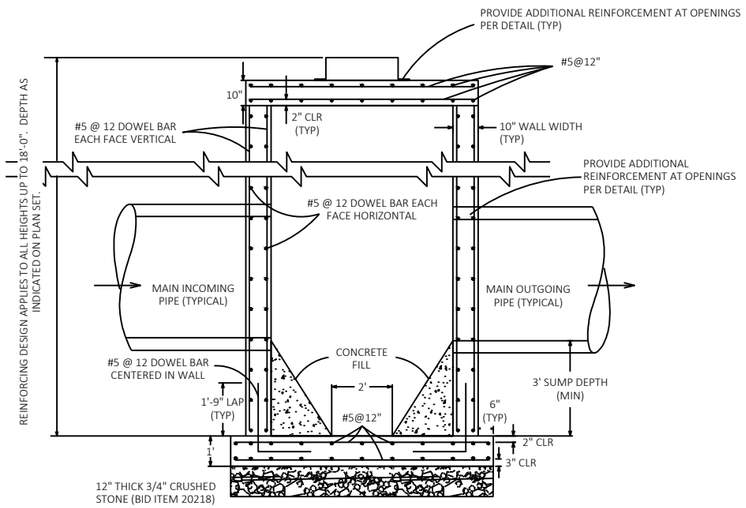
ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS

CATCH BASINS 6-FT X 6-FT

STORM STRUCTURES - 83.1 | 94.1 | 99.1 | 114.1 | 119.1 | 123.1 | 127.1



PLAN VIEW



SECTION A-A

GENERAL NOTES:

CATCH BASIN DESIGNS WITH HEIGHTS GREATER THAN 18'-0" SHALL BE DESIGNED BY ENGINEER.

REINFORCING SHOWN IN PLAN VIEW IS TYPICAL WALL REINFORCING.

CUT REINFORCING AS REQUIRED AROUND PIPES AND PROVIDE ADDITIONAL REINFORCING AT OPENINGS PER DETAIL (SEE BELOW).

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL REINFORCING SHALL BE EPOXY COATED.

CONTRACTOR MAY CHOOSE TO PRECAST TOP SLAB AND LIFT SLAB ONTO STRUCTURE. IF TOP SLAB IS NOT CAST-IN-PLACE, USE ONE OF THE ALTERNATE SLAB JOIN DETAILS SHOWN IN "PRECAST TOP SLAB JOINT DETAIL".

PROVIDE ADDITIONAL REINFORCEMENT AT ALL OPENINGS PER "ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS" DETAIL.

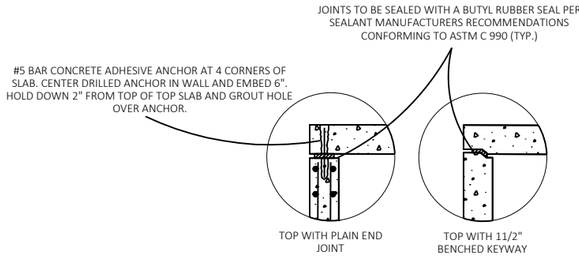
BACKFILL STRUCTURE WITH SELECT FILL SAND.

DESIGN DATA:

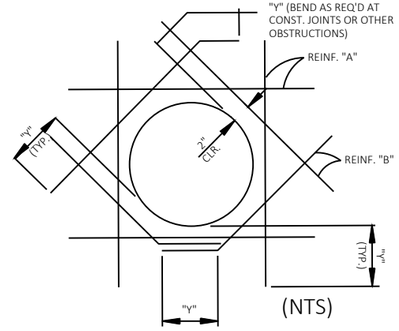
CONCRETE MASONRY: f'c= 4,000 PSI
STEEL REINFORCING: fY=60,000 PSI

STRUCTURE IS DESIGNED FOR HS20 LIVE LOAD.

STRUCTURE IS NOT DESIGNED FOR MORE THAN 2'-0" OF FILL ON TOP OF TOP SLAB.



PRECAST TOP SLAB JOINT DETAIL



NOTES

1. MOVE REINF. MAX. OF 2" TO CLEAR OPENING TO AVOID CUTTING REINF. CUT REMAINING BARS THAT PASS THROUGH OPENING.
2. WHERE REINF. MUST BE CUT, ADD REINF. "A" AT LEAST EQUAL IN AREA TO THAT WHICH WAS CUT AND EXTEND BEYOND OPENING DISTANCE "Y".
3. DIAGONAL BARS "B" TO BE PLACED:
   A. AT EACH FACE OF WALL WHERE TWO LAYERS OF REINF. ARE PROVIDED.
   B. AT TOP & BOTTOM OF ALL SLABS.
4. UNLESS OTHERWISE NOTED, SIZE OF REINF. "B" SHALL BE THE SIZE OF THE LARGEST REINF. BAR CUT.
5. Y = CLASS B LAP (#4 BAR = 1'-6") (#5 BAR = 1'-10")
6. THIS DETAIL IS TO BE USED WHEN NO OTHER DETAIL IS SPECIFIED.

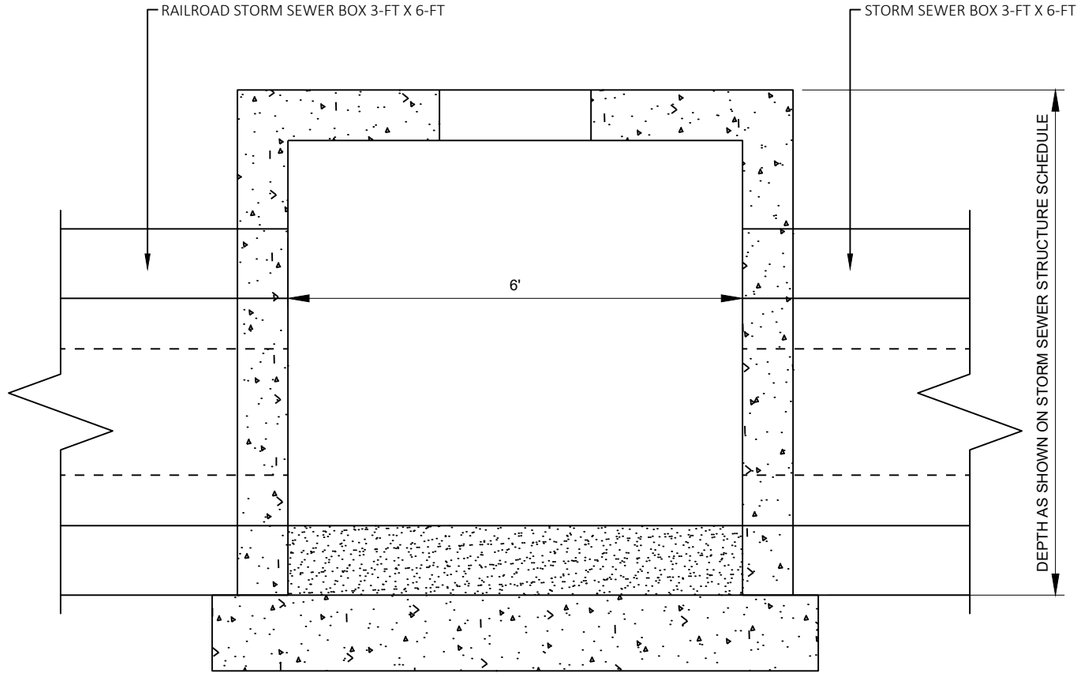
ADDITIONAL REINFORCEMENT AT CONCRETE OPENINGS

CATCH BASINS 6-FT X 10-FT

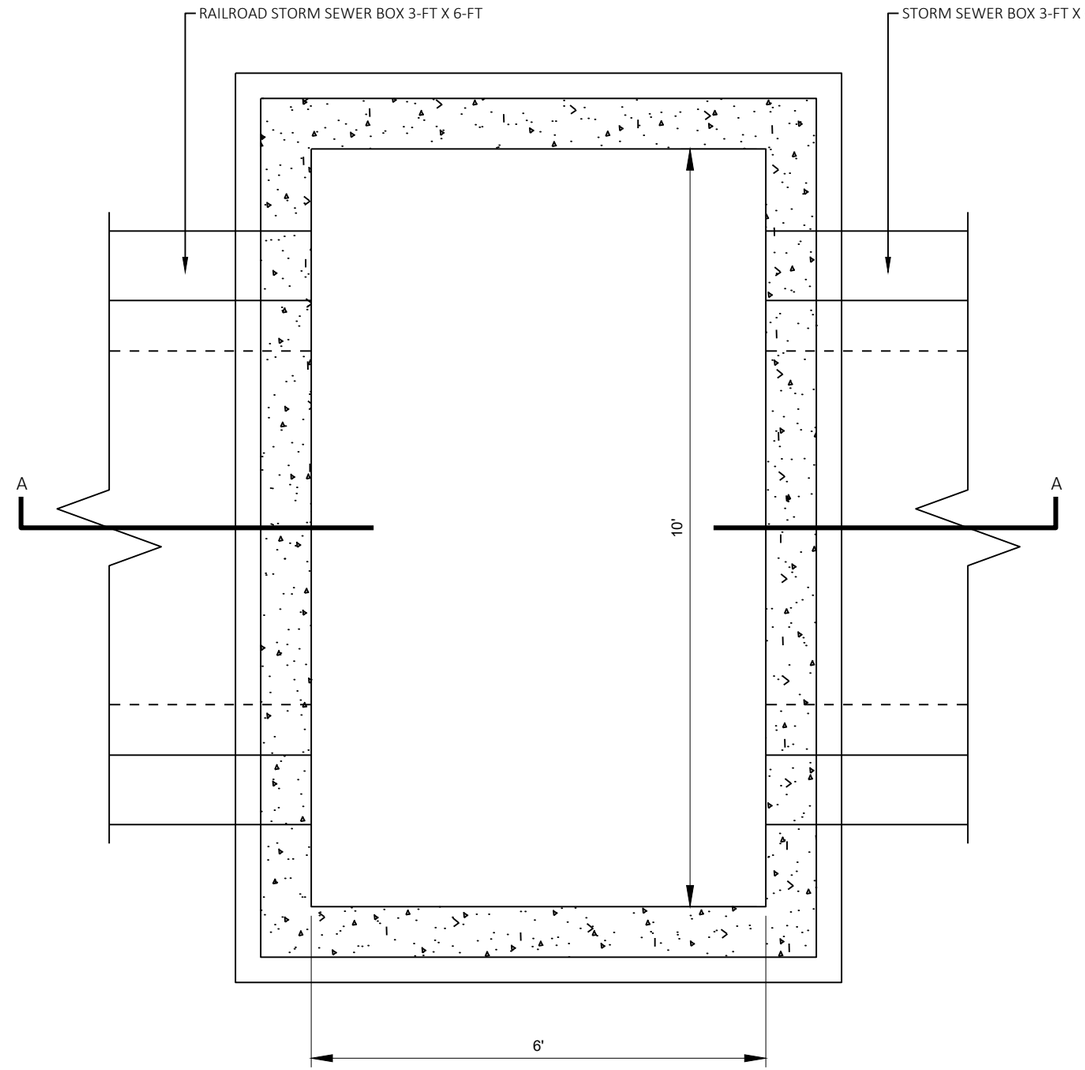
STORM STRUCTURES - 120.0

NOTE:

FOR ALL OTHER DETAILS NOT SHOWN. SEE SDD MANHOLES 3x3-FT, 4x4-FT, 5x5-FT, AND 6x6-FT AND STORM SEWER STRUCTURE SCHEDULE



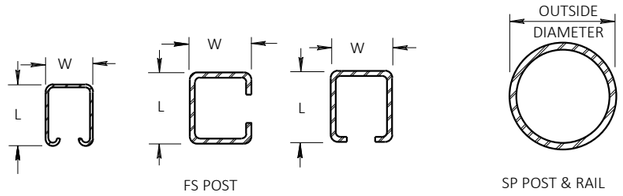
SECTION A-A



PLAN VIEW

MANHOLES 6-FT X 10-FT

STORM STRUCTURES - 120.4 | 120.9
(120.4 SHOWN)



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. DOME TOPS
5. TRUSS RODS
6. TENSION BAR
7. TENSION BANDS
8. BRACE RAIL
9. LATCH CHAIN **
   - SECURE TO GATE WITH BOLT
10. SIGNS TYPE II REFLECTIVE H (W5-56) 18" X 18"

** KEYED LOCKS TO BE PROVIDED BY WISDOT

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

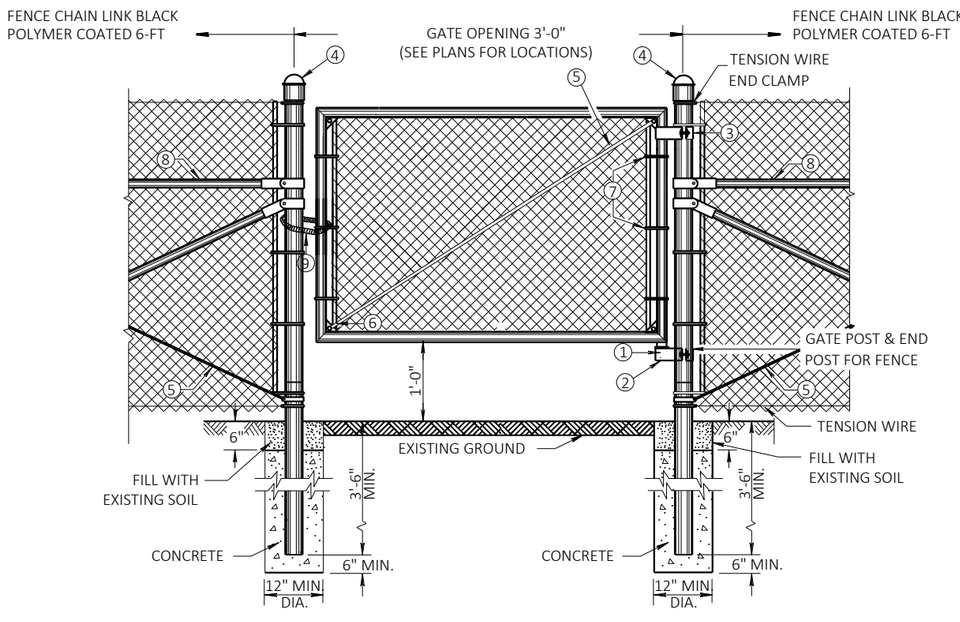
FENCE GATE ITEMS SHOULD ALL BE POLYMER-COATED LIKE ADJACENT FENCE CHAIN LINK POLYMER-COATED 6-FOOT GROUND MOUNTED

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2t
	GREATER THAN OR EQUAL TO 8 FT.	FS3

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4



ACCESS GATE 3-FOOT POLYMER-COATED

(SEE FENCING DIAGRAM FOR LOCATIONS)

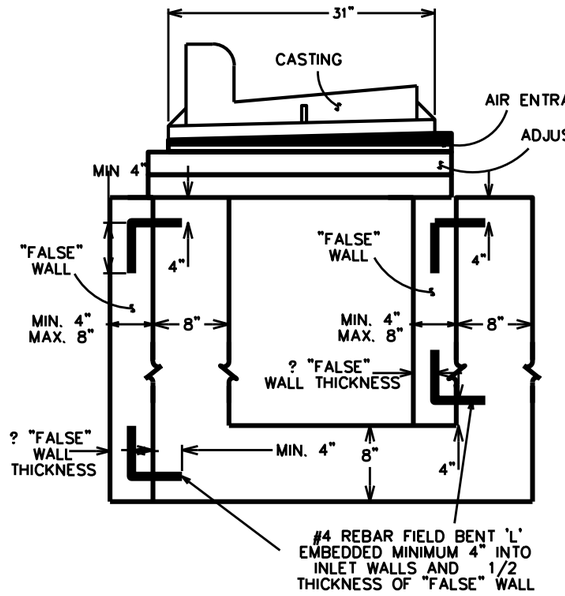
SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR FORMED STEEL FENCE POST

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2t	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

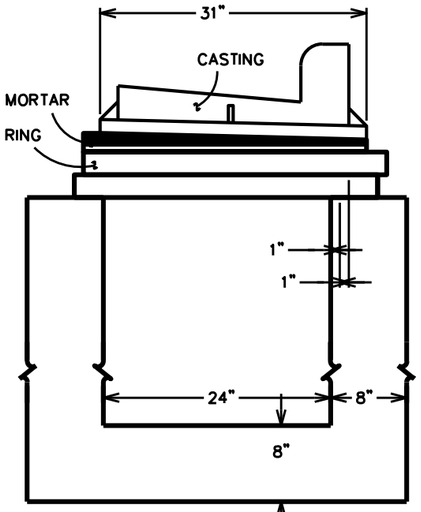
SHAPE, SIZE AND WEIGHT REQUIREMENTS FOR ROUND STEEL FENCE POST

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

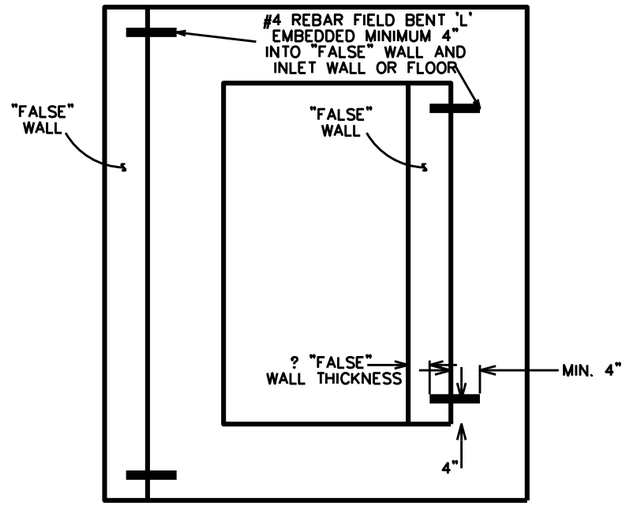
2



OFFSET USING FALSE WALL
INLET SIDE VIEW



OFFSET USING ADJUSTING RINGS
INLET SIDE VIEW



OFFSET USING FALSE WALL
INLET TOP VIEW

NOTE:

TO INSURE THE INLET CASTING IS ALIGNED CORRECTLY WITH THE CURB AND GUTTER, AN OFFSET OF THE INLET CASTING MAY BE REQUIRED. THE ACCEPTABLE INLET CASTING OFFSETS ARE SHOWN AND THE GUIDELINES ARE AS FOLLOWS:

(1) IF THE ADJUSTMENT REQUIRED IS LESS THAN TWO (2) INCHES, THIS CAN BE OBTAINED BY TWO ONE (1) INCH SHIFTS OF THE ADJUSTING RINGS A MAXIMUM OF ONE (1) INCH EACH AND/OR A ONE (1) INCH SHIFT OF THE CASTING.

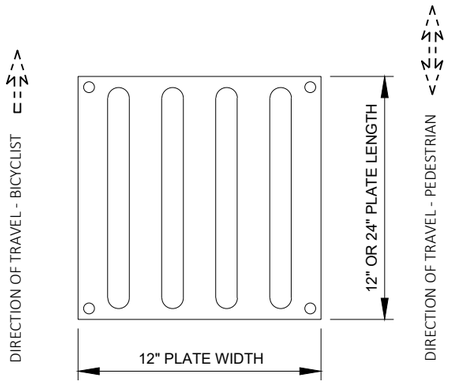
(2) IF THE ADJUSTMENT REQUIRED IS GREATER THAN TWO (2) INCHES AND LESS THAN FOUR (4) INCHES, THE INLET CASTING OFFSET SHALL BE OBTAINED BY THE CONSTRUCTION OF ONE FOUR (4) INCH THICK "FALSE" WALL ADJACENT TO THE INLET WALL THAT PROVIDES FULL SUPPORT OF THE CASTING. THE PLACEMENT AND ANCHORING SHALL BE CONSTRUCTED IN THE MANNER SHOWN.

(3) IF THE ADJUSTMENT REQUIRED IS GREATER THAN FOUR (4) INCHES AND LESS THAT EIGHT (8) INCHES, THE INLET CASTING OFFSET SHALL BE OBTAINED BY THE CONSTRUCTION OF TWO FALSE WALLS WITH EQUAL WALL THICKNESSES VARYING FROM FOUR (4) TO EIGHT (8) INCHES DEPENDING ON THE OFFSET REQUIRED. THE PLACEMENT AND ANCHORING SHALL BE CONSTRUCTED IN THE MANNER SHOWN.

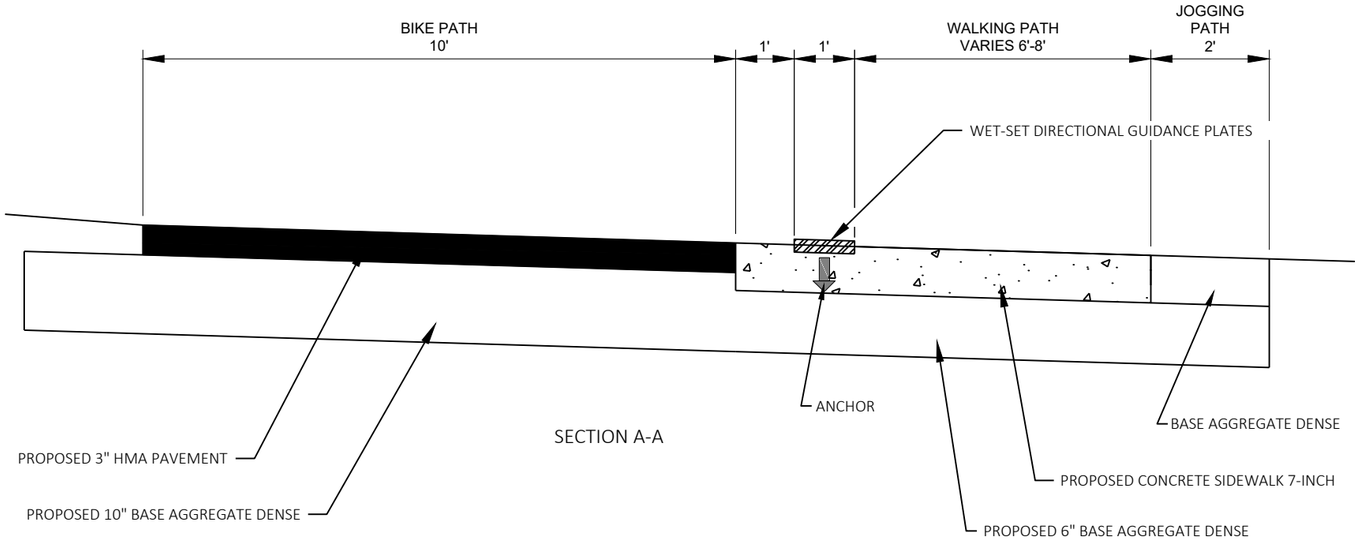
(4) IF THE ADJUSTMENT REQUIRED IS GREATER THAN EIGHT (8) INCHES, THE INLET SHALL BE REPOSITIONED OR RECONSTRUCTED TO REDUCE THE OFFSET.

THESE SPECIFICATIONS ARE APPLICABLE FOR BOTH POURED-IN-PLACE AND PRECAST INLETS. THE DETAIL SHOWS A POURED-IN-PLACE INLET. A PRECAST INLET WOULD ONLY DIFFER WITH A WALL THICKNESS OF 5".

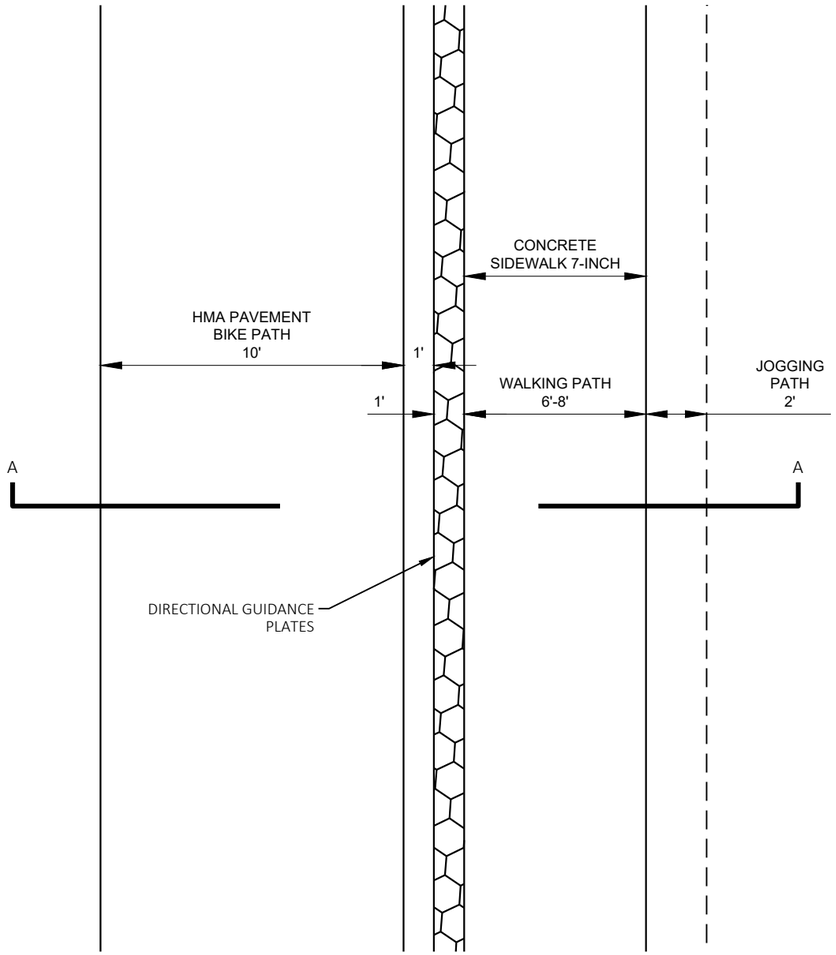
2



TOP VIEW OF DIRECTIONAL GUIDANCE PLATES



SECTION A-A



PLAN VIEW

DIRECTIONAL GUIDANCE PLATES DETAIL

SEE PLAN DETAILS FOR LOCATIONS

NOTE:GAPS REQUIRED WHEN PLACING DIRECTIONAL GUIDANCE PLATES FOR SAWING JOINTS IN CONCRETE SIDEWALK 7-INCH (1" GAPS ANTICIPATED)

2

TERRACE EXCAVATION FOR TREE PLANTING NOTES:

TREES TO BE PLANTED BY OTHERS.

THE PROPOSED LOCATIONS FOR TREE PLANTINGS ARE IDENTIFIED ON THE TREE PLAN INCLUDED WITHIN THIS PLAN SET. PRIOR TO THE CONTRACTOR STARTING THE EXCAVATION WORK FOR TREE PLANTING, THE ENGINEER AND CITY OF MADISON FORESTRY REPRESENTATIVE SHALL REVIEW THE PLAN LOCATIONS ON-SITE AND CONFIRM THAT NO CONFLICTS ARE ANTICIPATED.

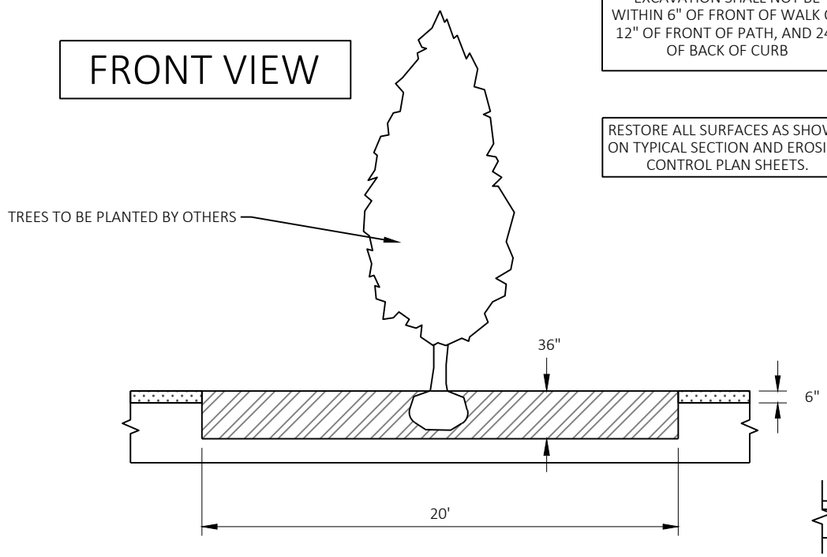
ONCE THE LOCATIONS ARE MARKED, THE CONTRACTOR SHALL EXCAVATE THE TERRACE AREA TO A SUITABLE DEPTH FOR NEW TREE PLANTINGS AFTER VERIFYING WITH THE ENGINEER.

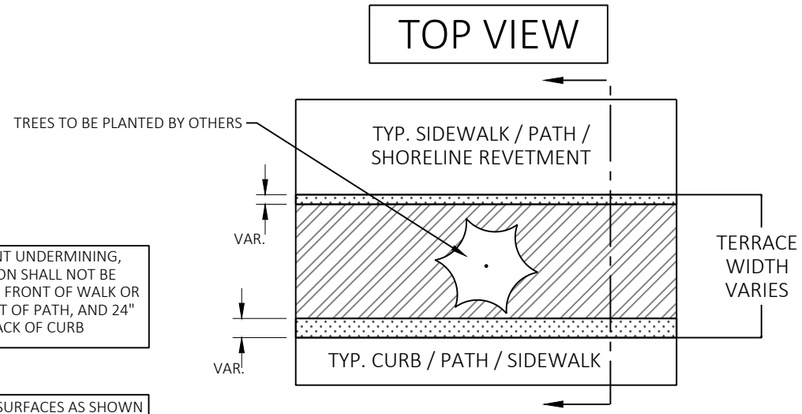
THE MINIMUM LENGTH OF TWENTY (20) FEET MAY BE REDUCED BY THE CONSTRUCTION ENGINEER TO FIT SITE CONSTRAINTS AS NECESSARY.

THE WIDTH OF THE TERRACE SHALL ALSO BE EXCAVATED TO AS CLOSE TO THE SIDEWALK/PATH AND CURB AS IS REASONABLE. WHILE PERFORMING THE EXCAVATION, THE CONTRACTOR SHALL TAKE CARE TO NOT UNDERMINE OR DAMAGE THE ADJACENT CURB OR SIDEWALK.

ONCE THE AREA IS EXCAVATED, THE AREA SHALL BE BACKFILLED WITH TOPSOIL PAID FOR BY THE CUBIC YARD.

IN AREAS WHERE TERRACE IS GREATER THAN 12', THE TERRACE EXCAVATION WIDTH SHALL BE A MAXIMUM OF 10'.





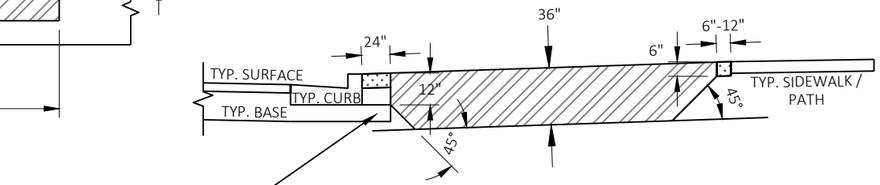
TO PREVENT UNDERMINING, EXCAVATION SHALL NOT BE WITHIN 6" OF FRONT OF WALK OR 12" OF FRONT OF PATH, AND 24" OF BACK OF CURB

RESTORE ALL SURFACES AS SHOWN ON TYPICAL SECTION AND EROSION CONTROL PLAN SHEETS.

LEGEND

AREA TO BE EXCAVATED 36" DEEP AND BACKFILLED WITH TOPSOIL

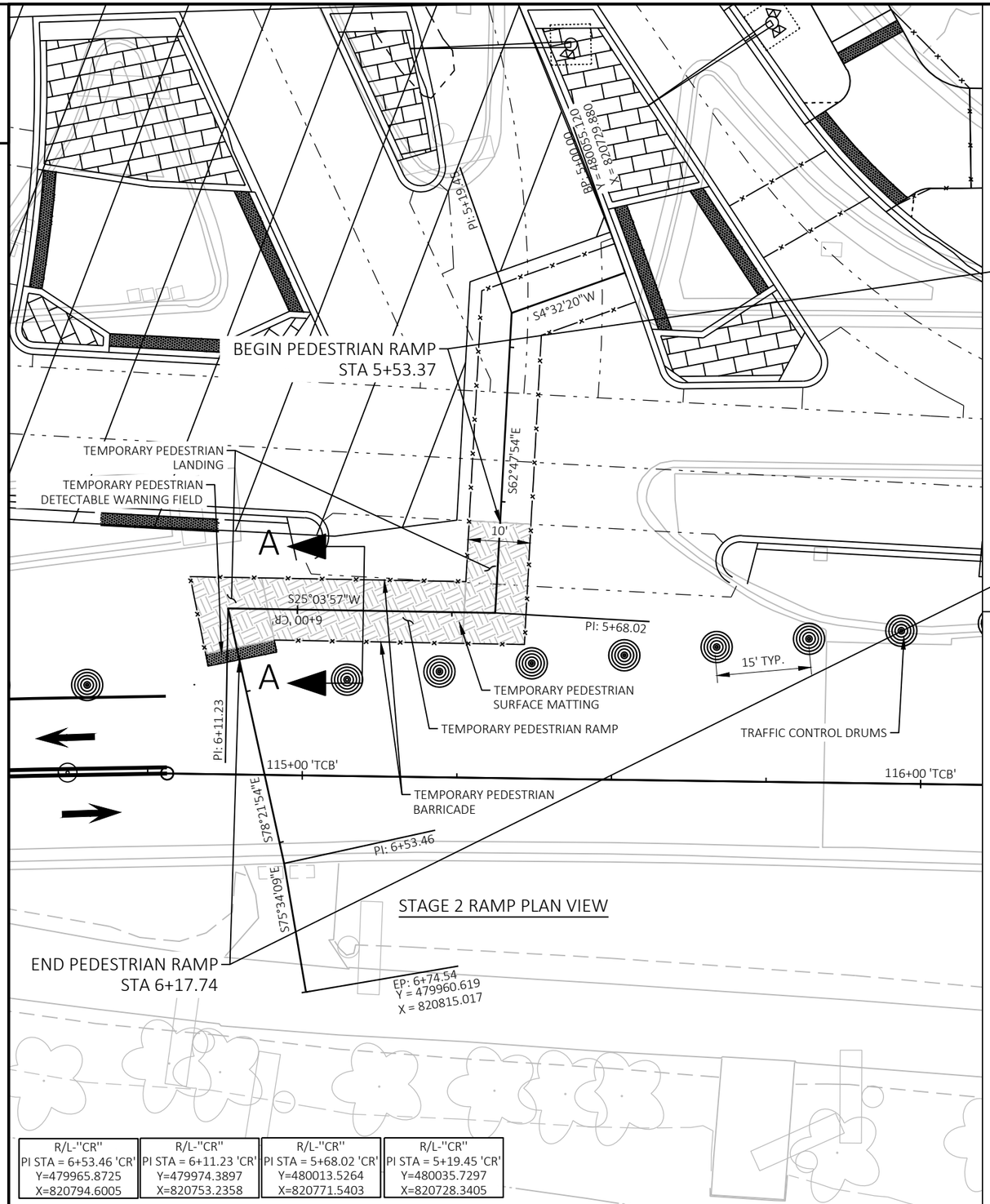
AREA TO BE 6" TOPSOIL



SECTION VIEW

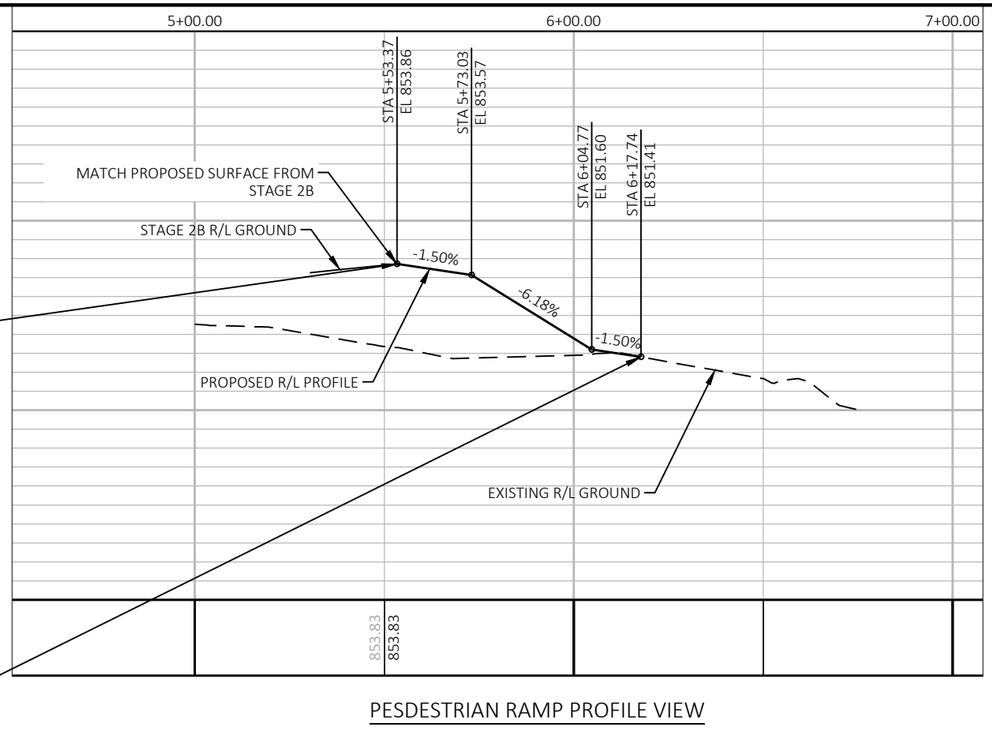
NOTE: SECTION VIEW SHOWS EXAMPLE LOCATION BETWEEN CURB AND SIDEWALK/PATH. ADJUST SECTION AS NEEDED IN OTHER LOCATIONS

TERRACE EXCAVATION FOR TREE PLANTING

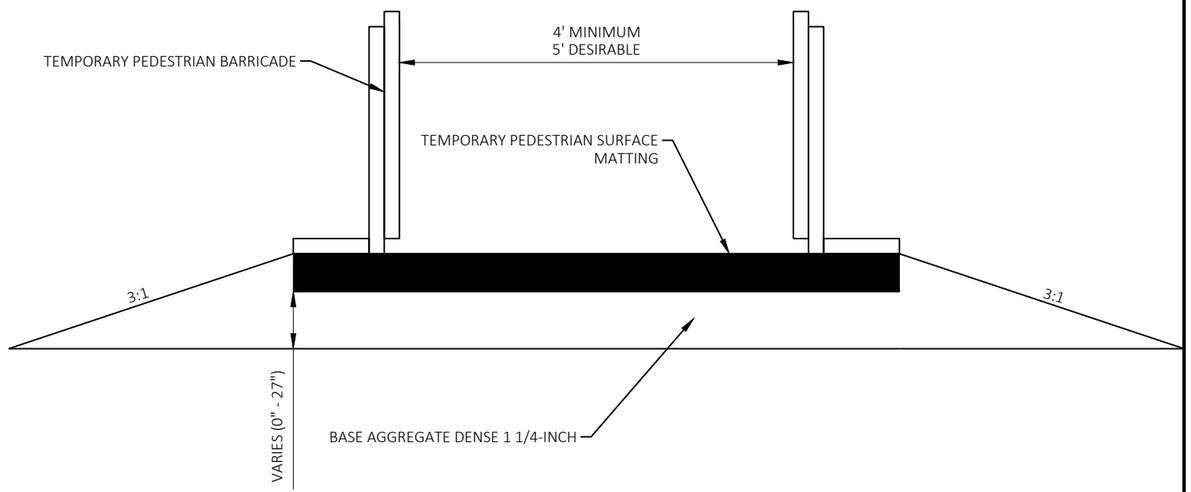


STAGE 2 RAMP PLAN VIEW

R/L-"CR"	R/L-"CR"	R/L-"CR"	R/L-"CR"
PI STA = 6+53.46 'CR'	PI STA = 6+11.23 'CR'	PI STA = 5+68.02 'CR'	PI STA = 5+19.45 'CR'
Y=479965.8725	Y=479974.3897	Y=480013.5264	Y=480035.7297
X=820794.6005	X=820753.2358	X=820771.5403	X=820728.3405



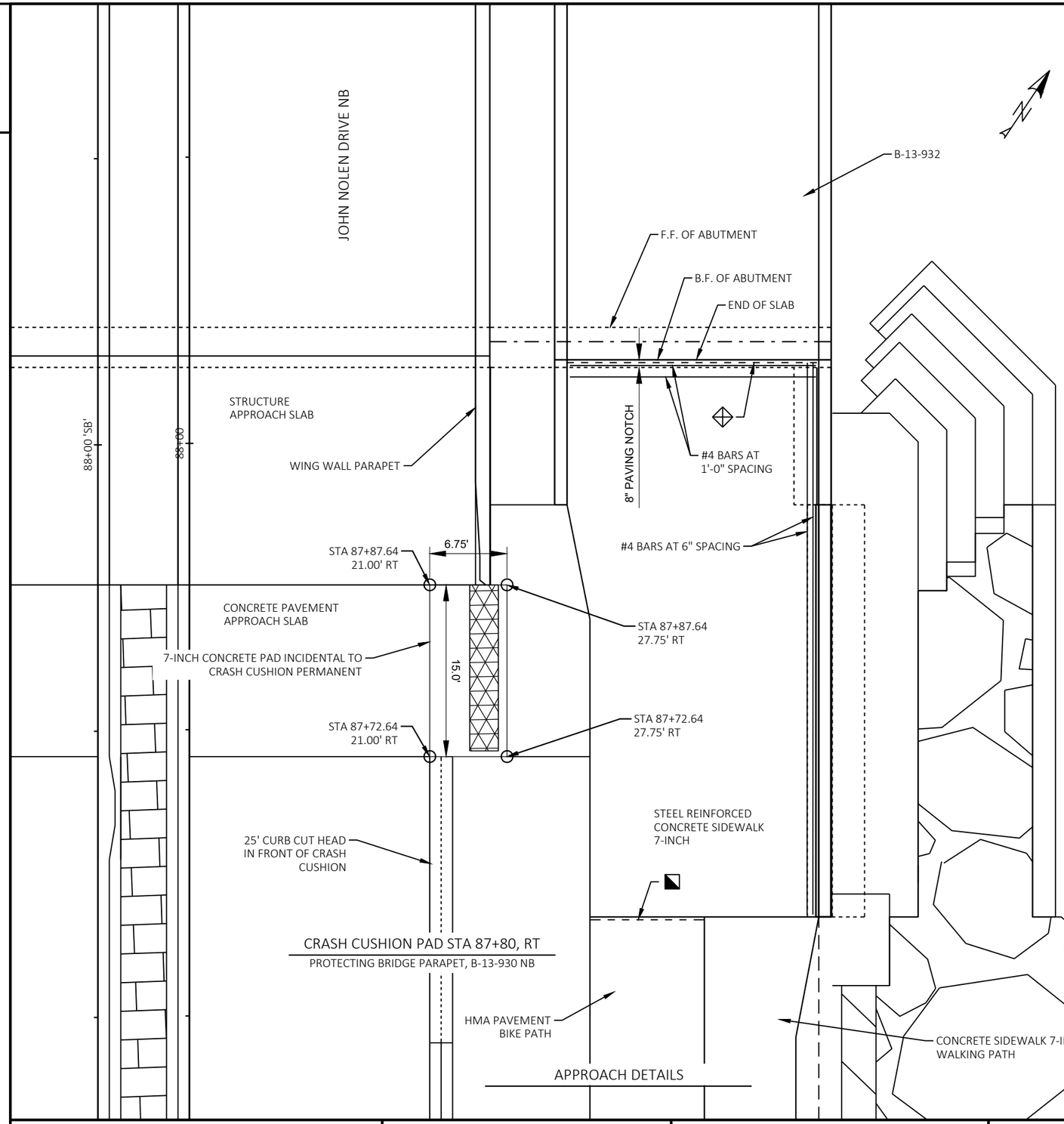
PESDESTRIAN RAMP PROFILE VIEW

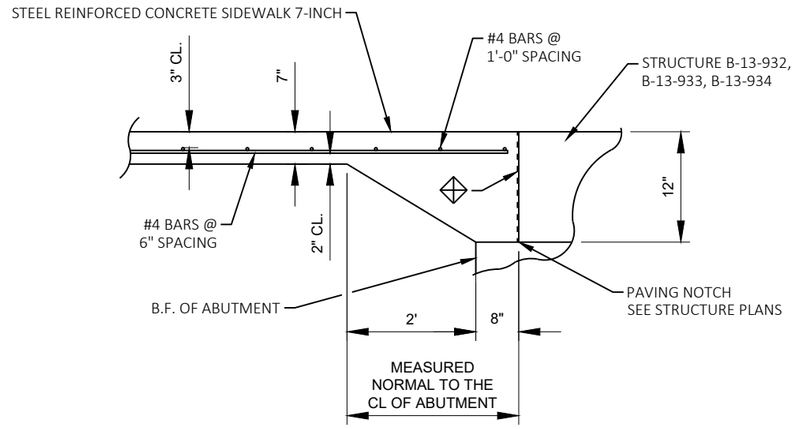


SECTION A-A

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 59	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\021001-CD_PED RAMP.DWG
LAYOUT NAME - 01
PLOT DATE : 5/19/2025 2:45 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT



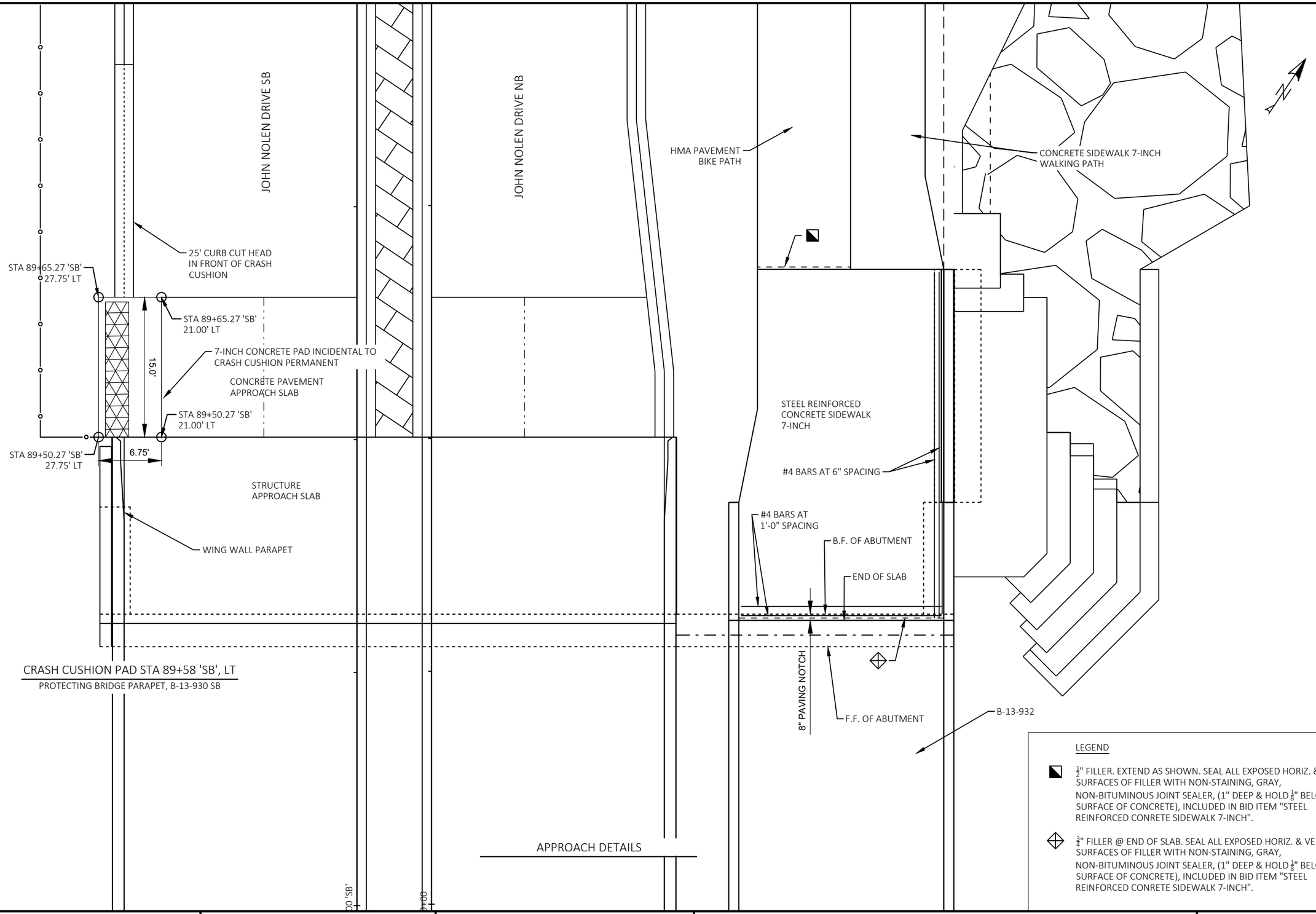


SECTION THRU SIDEWALK
AT ABUTMENT

LEGEND

$\frac{1}{2}$" FILLER. EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

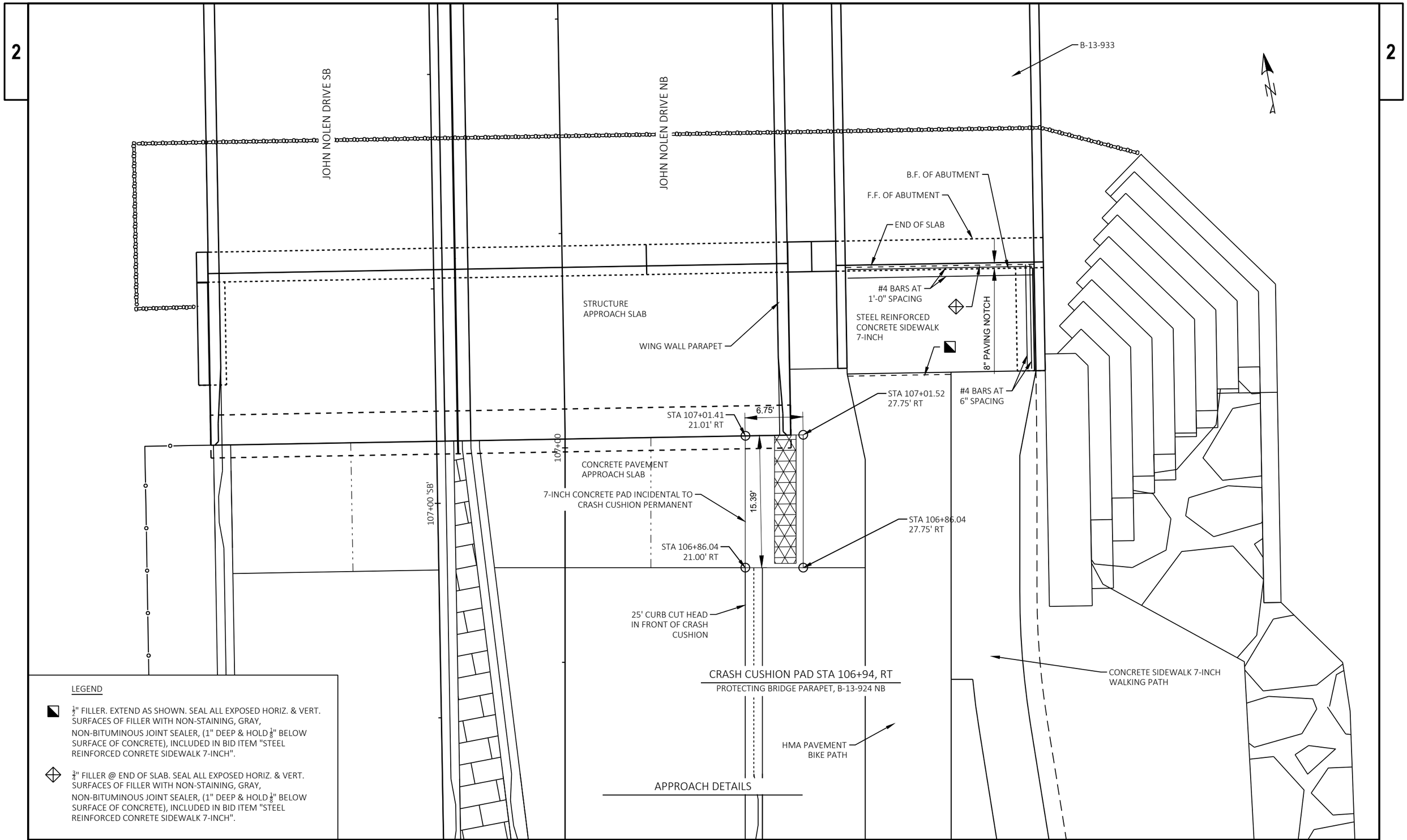
$\frac{3}{4}$" FILLER @ END OF SLAB. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".



CRASH CUSHION PAD STA 89+58 'SB', LT
PROTECTING BRIDGE PARAPET, B-13-930 SB

APPROACH DETAILS

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 62	E

2

N

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

25' CURB CUT HEAD
IN FRONT OF CRASH
CUSHION

HMA PAVEMENT
BIKE PATH

STA 109+36.74 'SB'
27.75' LT

STA 109+36.74 'SB'
21.00' LT

7-INCH CONCRETE PAD INCIDENTAL TO
CRASH CUSHION PERMANENT

CONCRETE PAVEMENT
APPROACH SLAB

15.0'

STA 109+21.74 'SB'
21.00' LT

6.75'

STA 109+21.74 'SB'
27.75' LT

STRUCTURE
APPROACH SLAB

WING WALL PARAPET

109+00

109+00 'SB'

CRASH CUSHION PAD STA 109+29 'SB', LT

PROTECTING BRIDGE PARAPET, B-13-924 SB

APPROACH DETAILS

LEGEND

$\frac{1}{2}$" FILLER. EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

$\frac{3}{4}$" FILLER @ END OF SLAB. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

CONCRETE SIDEWALK 7-INCH
WALKING PATH

#4 BARS AT
6" SPACING

STEEL REINFORCED
CONCRETE SIDEWALK
7-INCH

B.F. OF ABUTMENT

#4 BARS AT
1'-0" SPACING

END OF SLAB

8" PAVING NOTCH

F.F. OF ABUTMENT

B-13-933

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 63	E

2

2

B-13-934

N

B.F. OF ABUTMENT

F.F. OF ABUTMENT

END OF SLAB

#4 BARS AT
1'-0" SPACING

STEEL REINFORCED
CONCRETE SIDEWALK
7-INCH

8" PAVING NOTCH

#4 BARS AT
6" SPACING

WING WALL PARAPET

STRUCTURE
APPROACH SLAB

112+00

112+00 'SB'

6.75'

STA 111+81.84
21.00' RT

STA 111+81.90
27.75' RT

7-INCH CONCRETE PAD INCIDENTAL TO
CRASH CUSHION PERMANENT

15.0'

CONCRETE PAVEMENT
APPROACH SLAB

STA 111+66.67
21.00' RT

STA 111+66.67
27.75' RT

25' CURB CUT HEAD
IN FRONT OF CRASH
CUSHION

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

CRASH CUSHION PAD STA 111+74, RT

PROTECTING BRIDGE PARAPET, B-13-926 NB

HMA PAVEMENT
BIKE PATH

APPROACH DETAILS

CONCRETE SIDEWALK 7-INCH
WALKING PATH

LEGEND

$\frac{1}{2}$" FILLER. EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

$\frac{3}{4}$" FILLER @ END OF SLAB. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 64	E

LEGEND

$\frac{1}{2}$" FILLER. EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

$\frac{3}{4}$" FILLER @ END OF SLAB. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER, (1" DEEP & HOLD $\frac{1}{8}$" BELOW SURFACE OF CONCRETE), INCLUDED IN BID ITEM "STEEL REINFORCED CONRETE SIDEWALK 7-INCH".

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

HMA PAVEMENT
BIKE PATH

CONCRETE SIDEWALK 7-INCH

CONCRETE SIDEWALK 7-INCH
WALKING PATH

CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
TAPERING TO FLAT CURB HEAD IN FRONT OF CRASH CUSHION

STEEL REINFORCED
CONCRETE SIDEWALK
7-INCH

STA 114+36.98 'SB'
27.75' LT

4.75'

STA 114+36.98 'SB'
23.00' LT

CONCRETE PAVEMENT
APPROACH SLAB

7-INCH CONCRETE PAD INCIDENTAL TO
CRASH CUSHION PERMANENT

14.80'

STA 114+22.38 'SB'
23.00' LT

STA 114+21.95 'SB'
27.75' LT

#4 BARS AT 6" SPACING

#4 BARS AT
1'-0" SPACING

END OF SLAB

8" PAVING NOTCH

STRUCTURE
APPROACH SLAB

114+00

B.F. OF ABUTMENT

F.F. OF ABUTMENT

WING WALL PARAPET

114+00 'SB'

B-13-934

CRASH CUSHION PAD STA 114+30 'SB', LT

PROTECTING BRIDGE PARAPET, B-13-926 SB

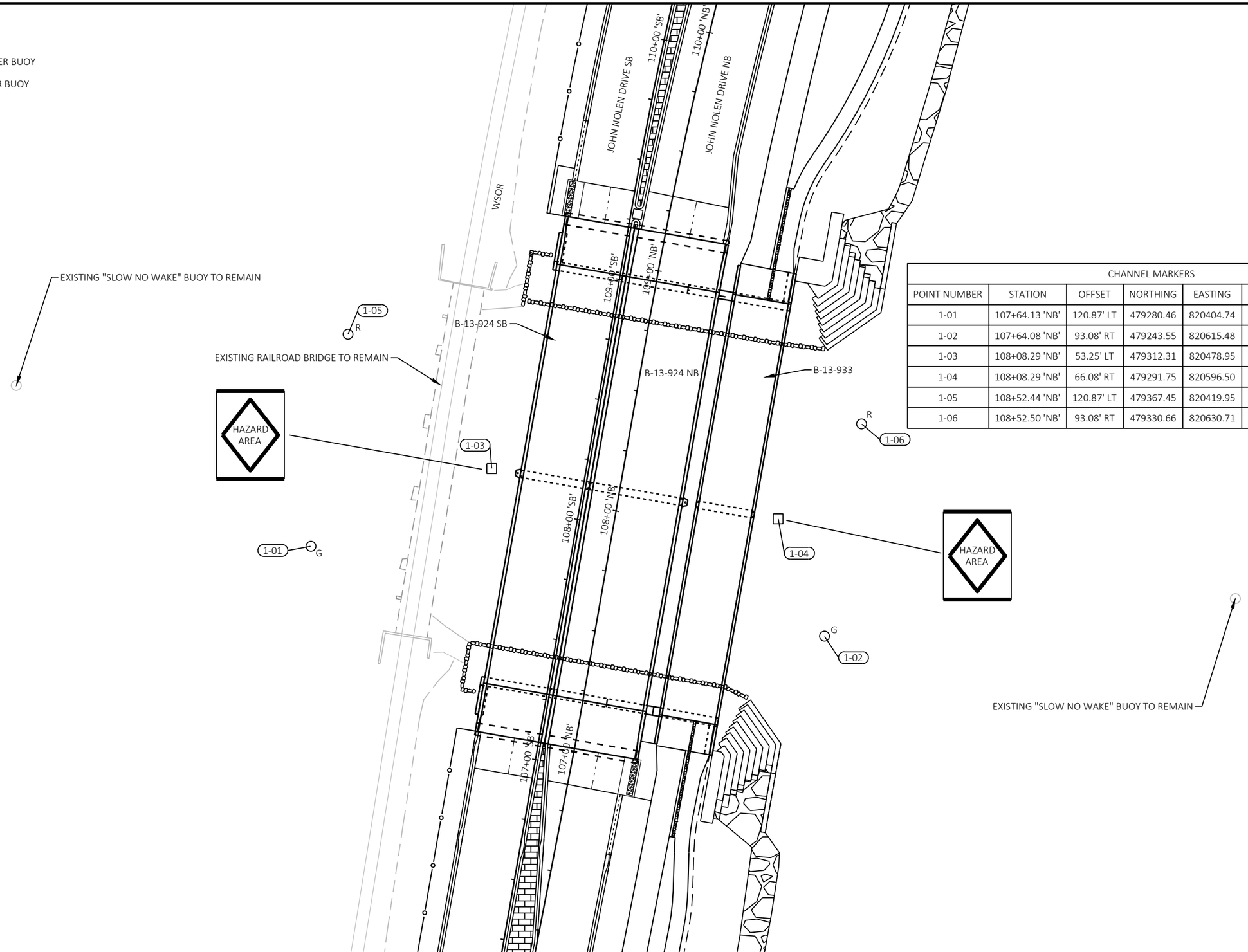
APPROACH DETAILS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 65	E

2

LEGEND

- ○ CHANNEL MARKER BUOY
- □ HAZARD MARKER BUOY
- G GREEN
- R RED



CHANNEL MARKERS					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1-01	107+64.13 'NB'	120.87' LT	479280.46	820404.74	GREEN CHANNEL MARKER BUOY
1-02	107+64.08 'NB'	93.08' RT	479243.55	820615.48	GREEN CHANNEL MARKER BUOY
1-03	108+08.29 'NB'	53.25' LT	479312.31	820478.95	HAZARD MARKER BUOY
1-04	108+08.29 'NB'	66.08' RT	479291.75	820596.50	HAZARD MARKER BUOY
1-05	108+52.44 'NB'	120.87' LT	479367.45	820419.95	RED CHANNEL MARKER BUOY
1-06	108+52.50 'NB'	93.08' RT	479330.66	820630.71	RED CHANNEL MARKER BUOY

PROJECT NO: 5992-11-21, -28	HWY: LOCAL STREET	COUNTY: DANE	PERMANENT NAVIGABLE CHANNEL MARKERS	SHEET 66 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021003-CD_CHANNEL MARKERS.DWG
LAYOUT NAME - Plan 1 IN 40 FT

PLOT DATE : 5/22/2025 3:48 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING CHANNEL MARKER BUOY
- EXISTING CHANNEL MARKER PANEL MOUNTED ON STRUCTURE SUPPORT (TO BE REMOVED)
- G GREEN
- R RED

N

EXISTING "SLOW NO WAKE" BUOY TO REMAIN

EXISTING RAILROAD BRIDGE TO REMAIN

WSOR

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

110+00 'SB'

110+00

109+00 'SB'

109+00

108+00 'SB'

108+00

107+00 'SB'

107+00

R

G

LAKE MONONA

MONONA BAY

EXISTING "SLOW NO WAKE" BUOY TO REMAIN

2

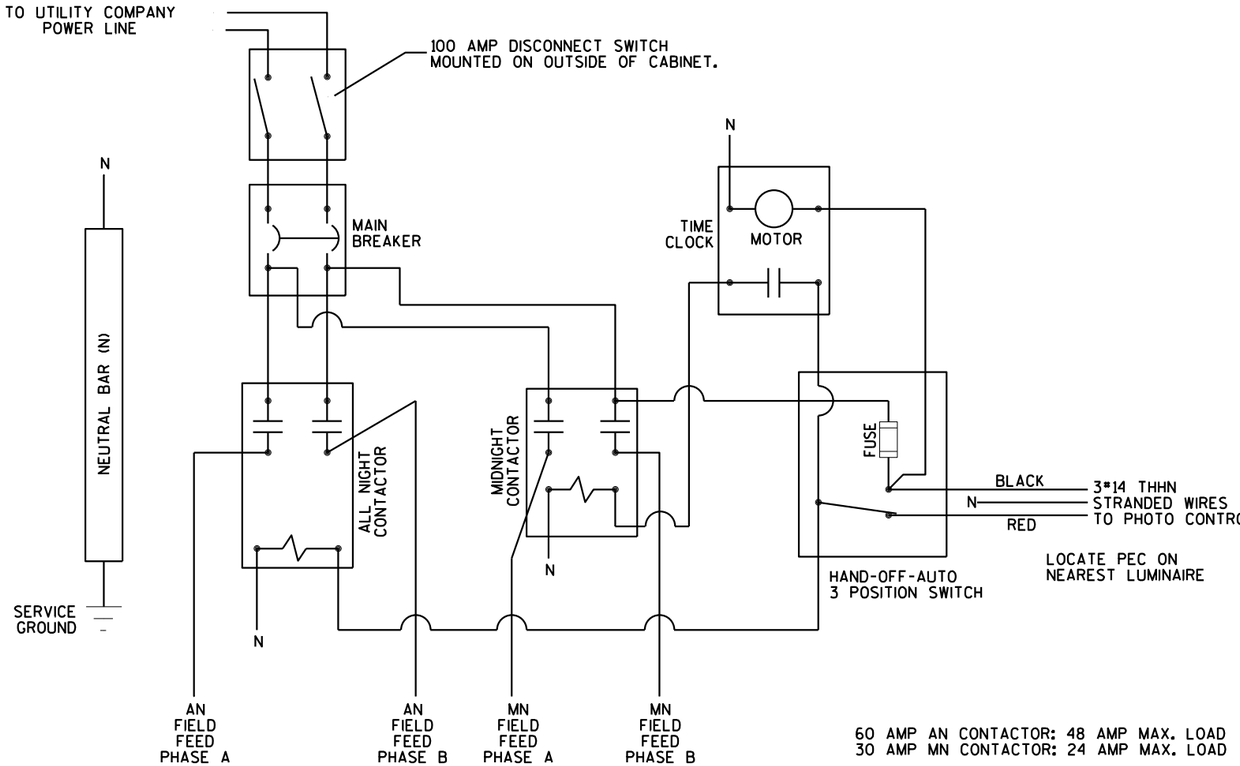
PROJECT NO: 5992-11-21, -28	HWY: LOCAL STREET	COUNTY: DANE	EXISTING NAVIGABLE CHANNEL MARKERS	SHEET 67	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021004-CD_EXISTING CHANNEL MARKERS.DWG
LAYOUT NAME - Plan 1 IN 40 FT

PLOT DATE : 5/22/2025 3:50 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

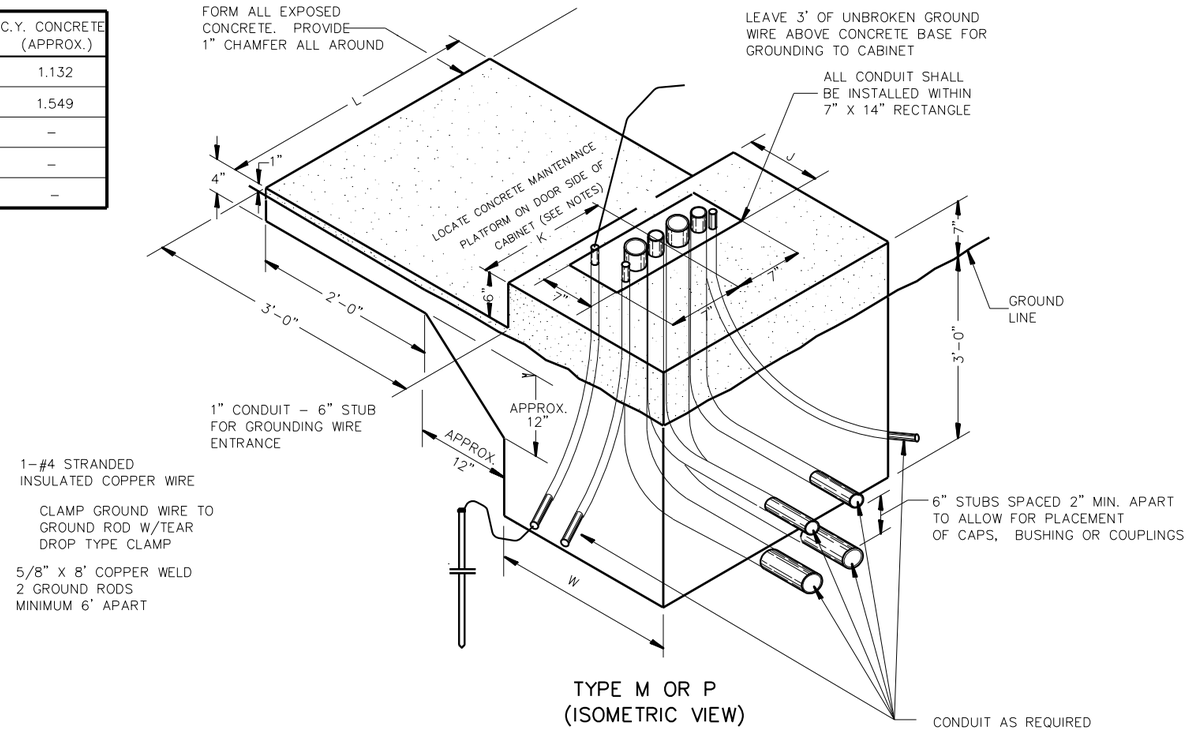


NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL

2

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	1.132
TYPE P	48"	30"	16"	24"	1.549
TYPE M MODIFIED	–	–	–	–	–
TYPE P MODIFIED	–	–	–	–	–
TYPE OTHER	–				–



TYPE M OR P
(ISOMETRIC VIEW)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

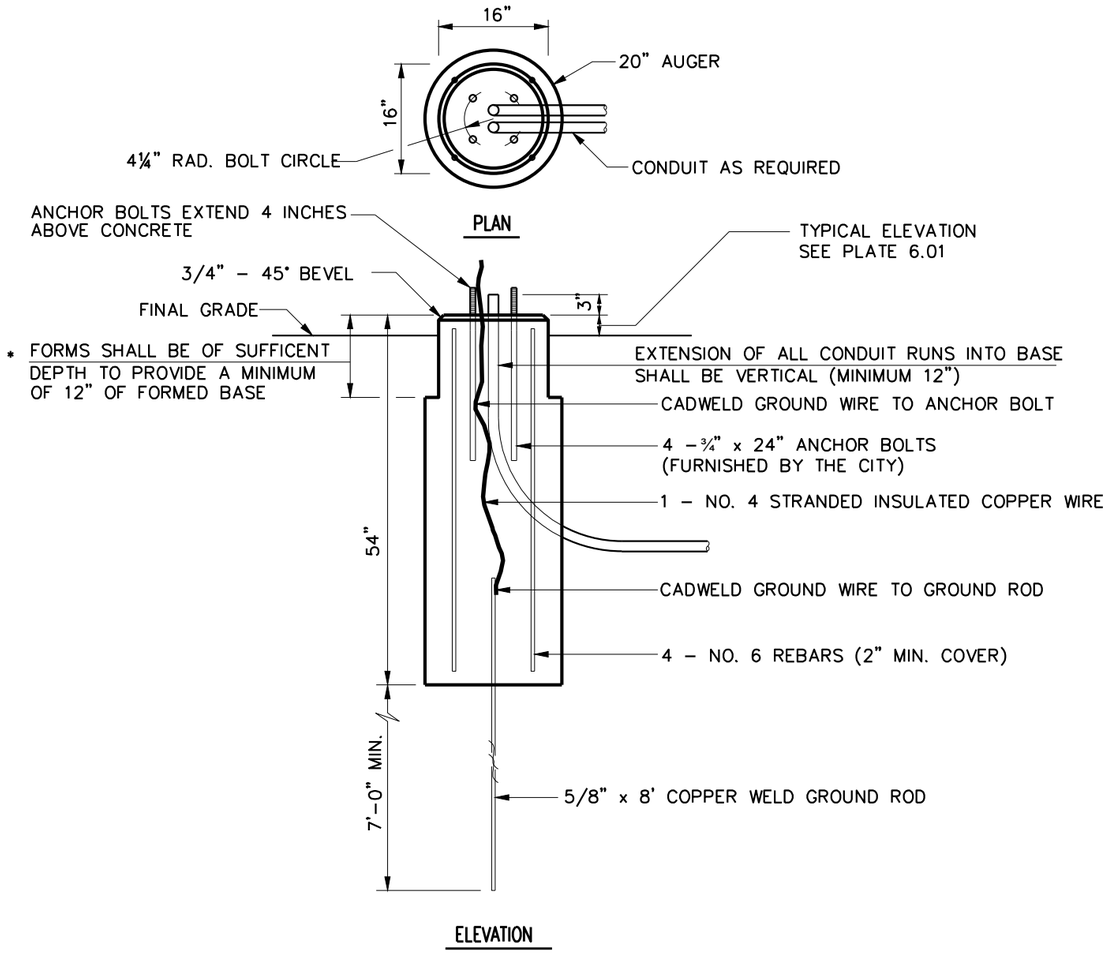
MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

CONCRETE CONTROL CABINET BASES

CONCRETE BASES TYPE M AND TYPE P DETAIL

2

* TOP 12" OF FORMED BASE TO BE ROUND,
16" DIAMETER AS SHOWN, OR DIRECTED BY THE ENGINEER.

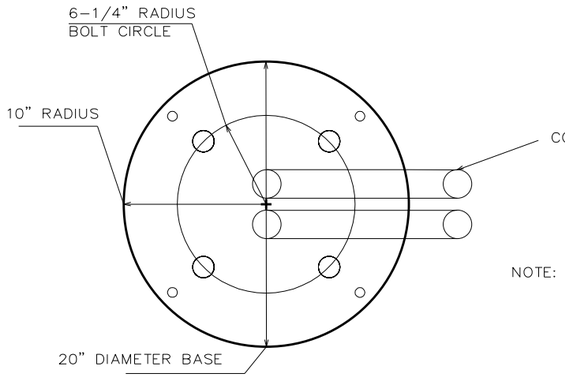


NOTES:

RUST, CORROSION AND ANTI–SEIZE PROTECTION SHALL PROVIDED AT ALL THREADED ASSEMBLIES.

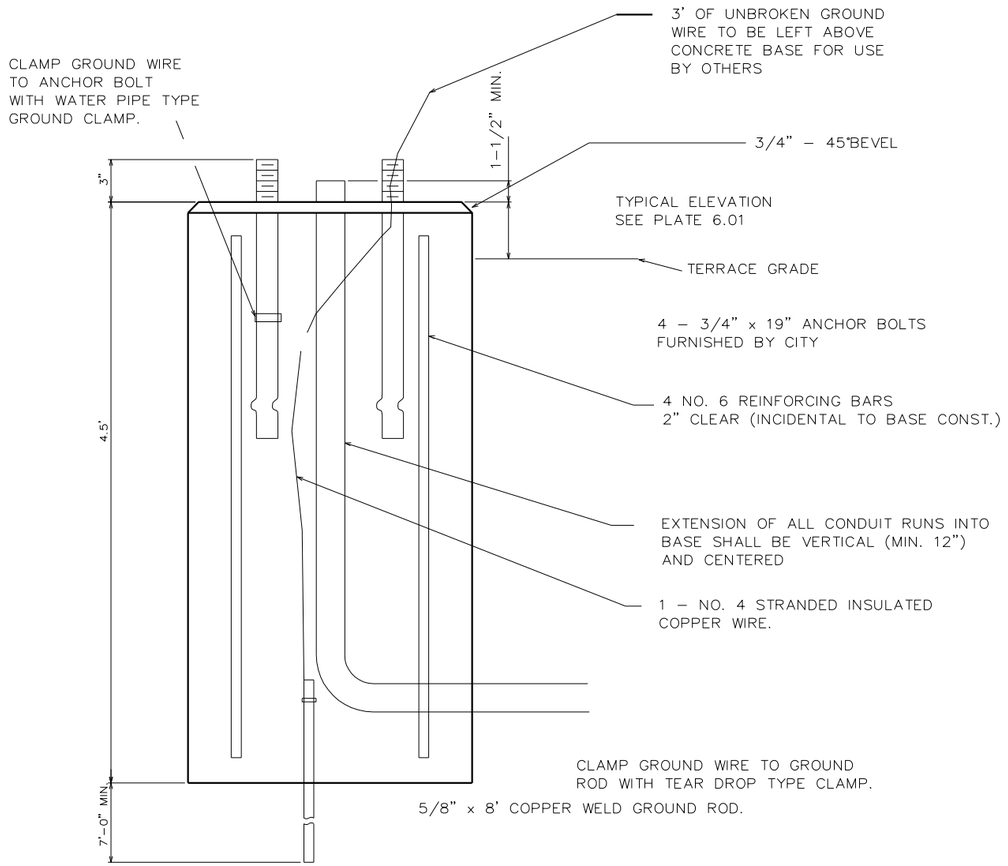
ROD COUPLERS SHALL BE SET FLUSH WITH TOP OF BASE.

CONCRETE BASES TYPE LB-2 DETAIL

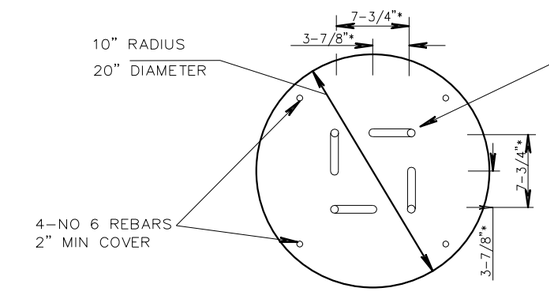


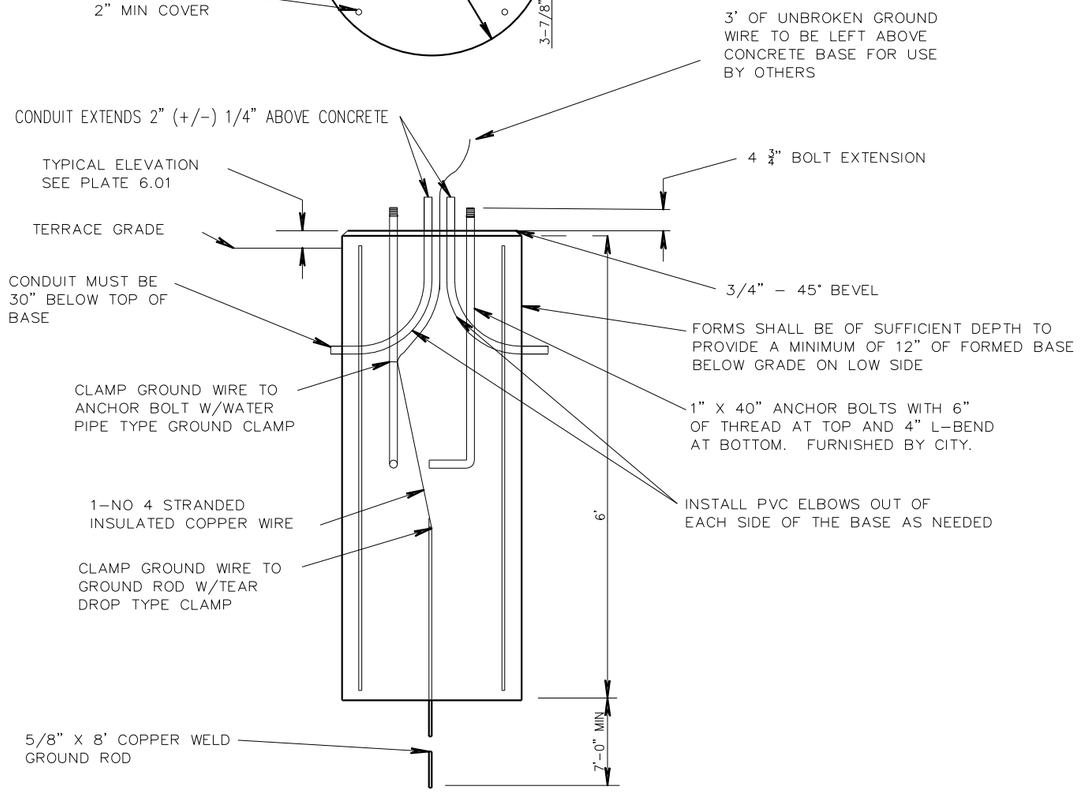
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

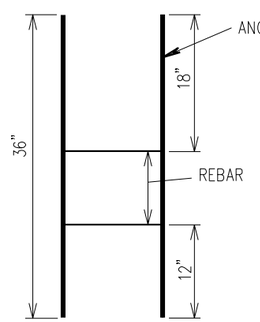
ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR TYPE "GR" TRAFFIC SIGNAL BASE .



CONCRETE BASES TYPE GR DETAIL





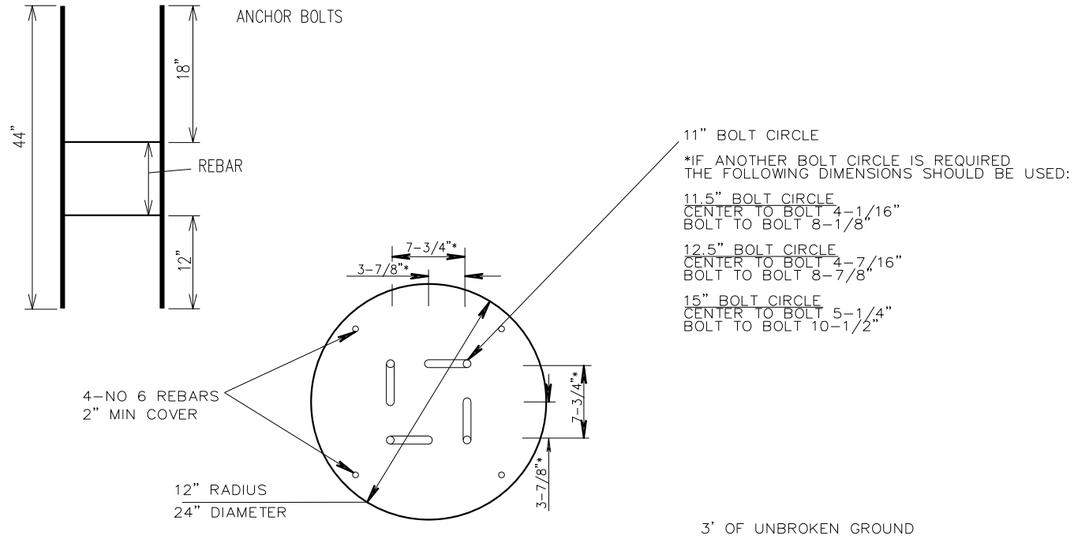


HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

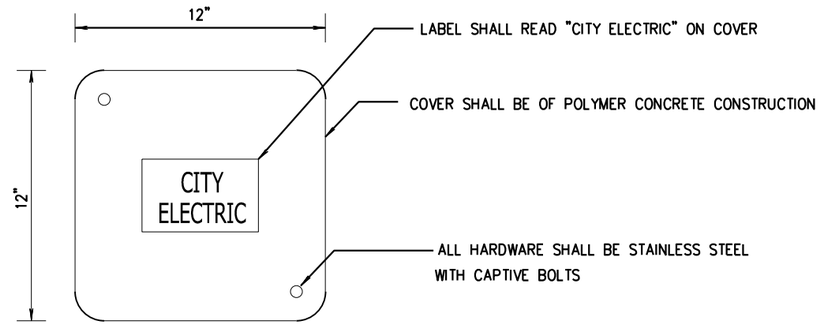
CONCRETE BASES TYPE LB-3R DETAIL

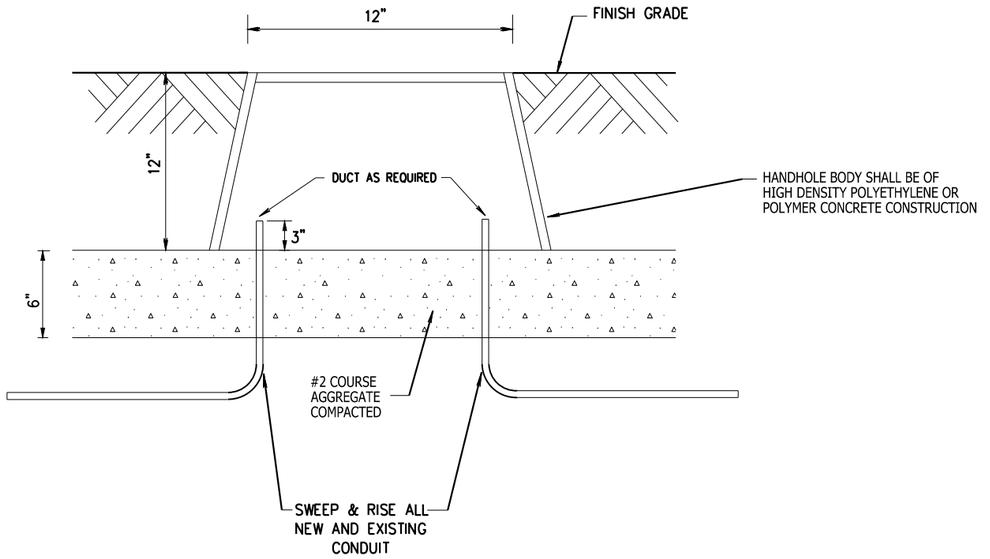
ANCHOR BOLT CAGE DETAIL

HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

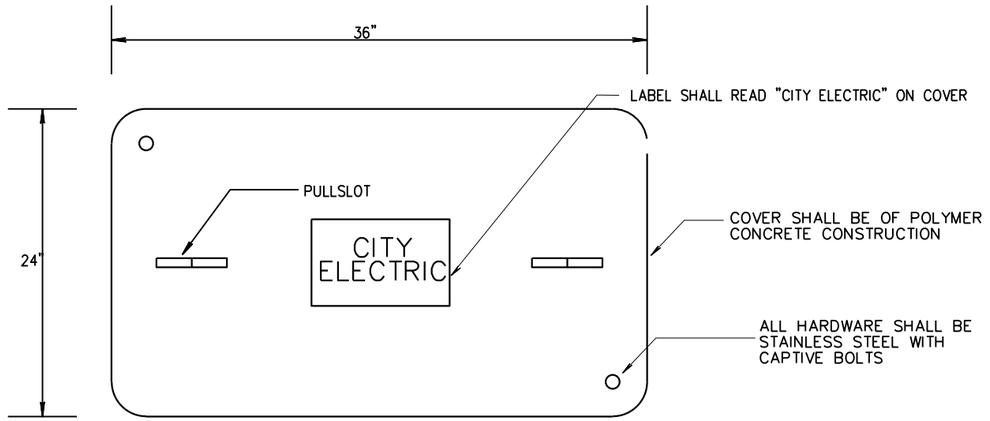


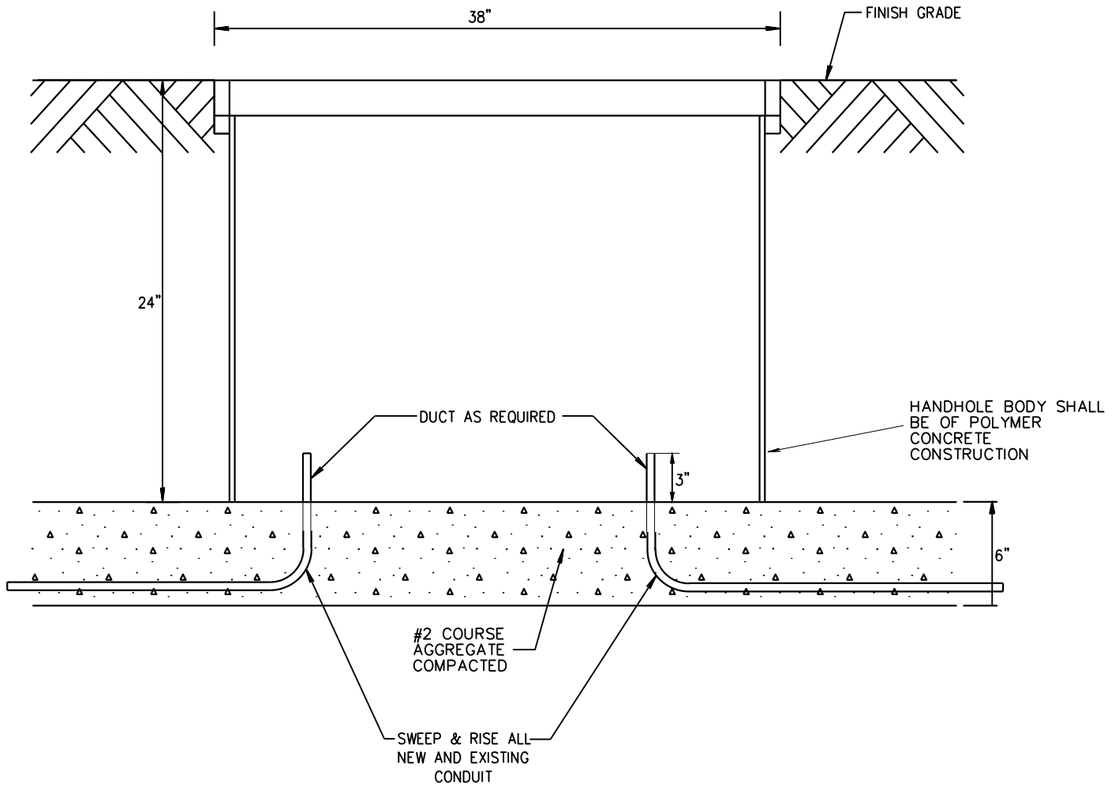
CONCRETE BASES TYPE LB-8R DETAIL



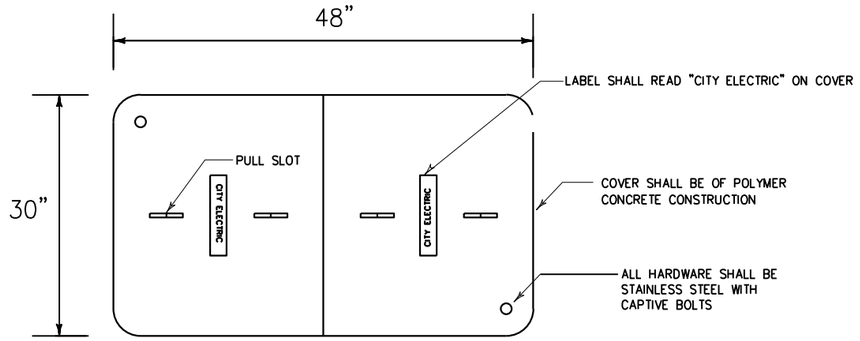


ELECTRICAL PULL BOX TYPE 3 DETAIL

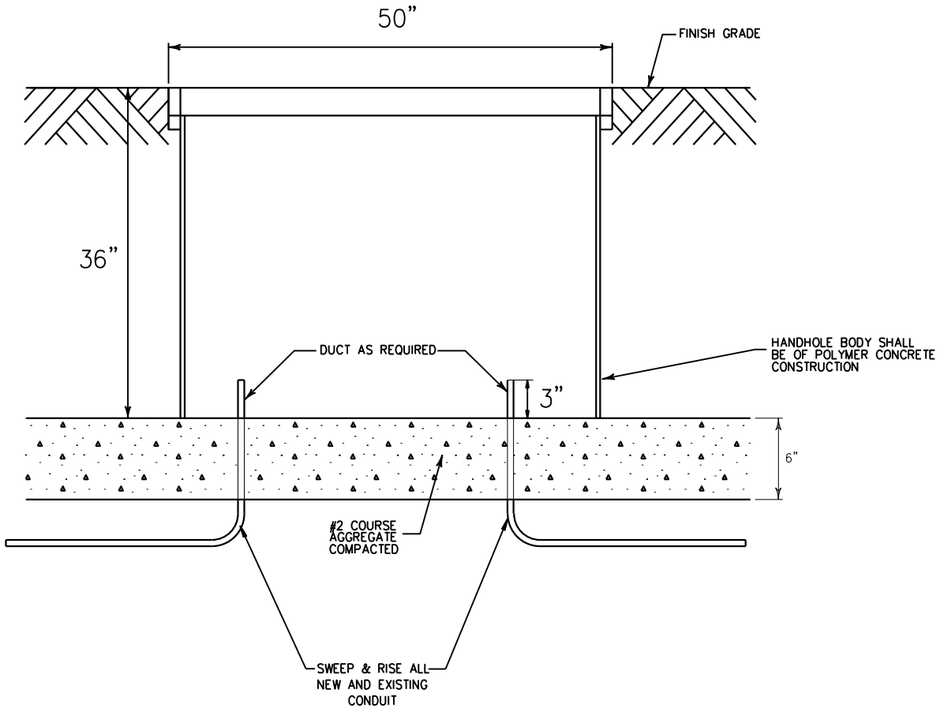




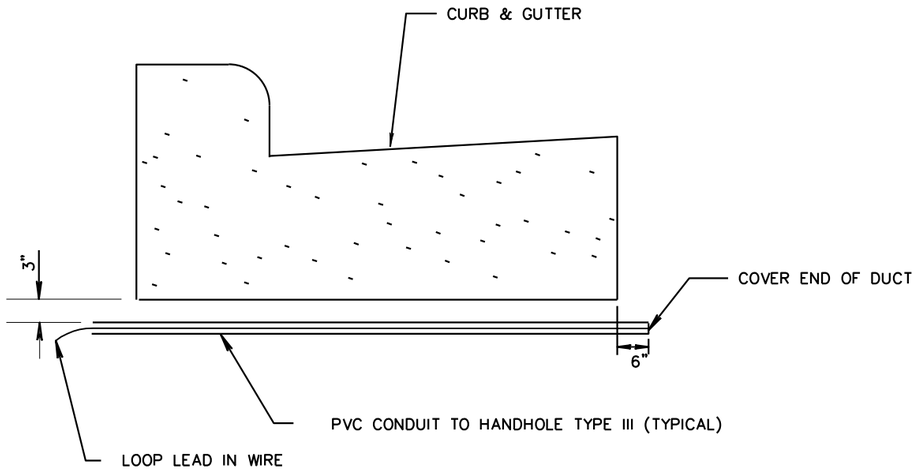
ELECTRICAL PULL BOX TYPE 5 DETAIL



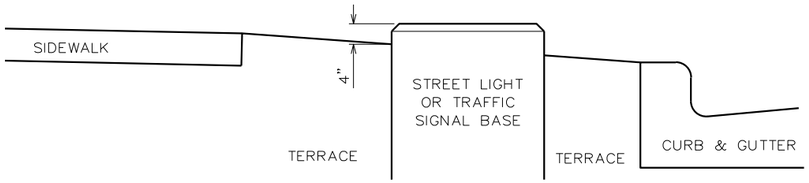
*15,000 LBS MAXIMUM LOAD OVER A 10" X 10"
TEST AREA RATING FOR COVER AND BOX

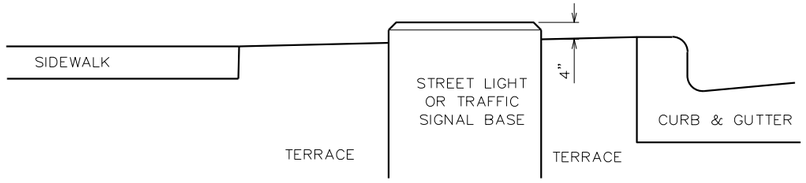


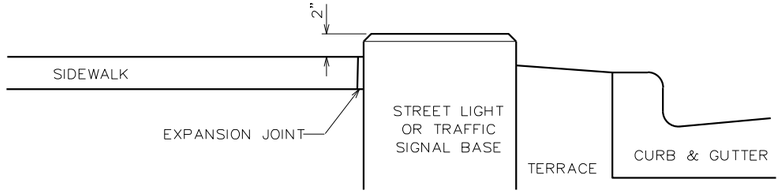
ELECTRICAL PULL BOX TYPE 7 DETAIL

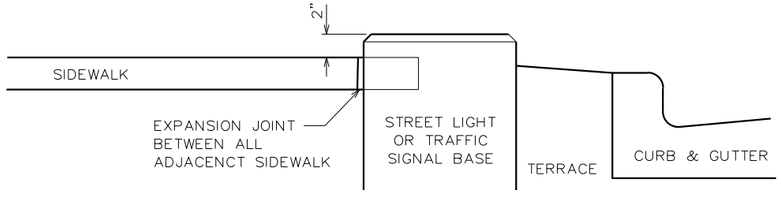


LOOP LEAD DUCT DETAIL



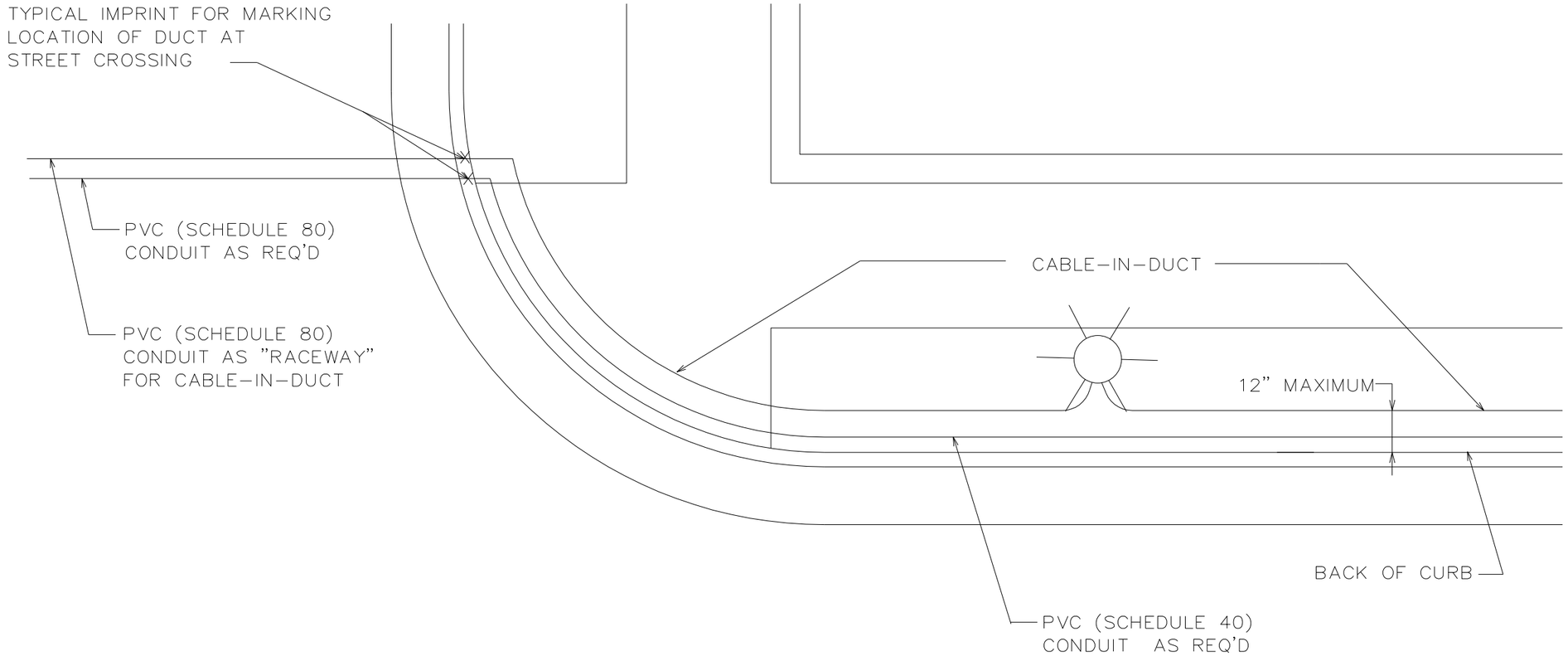






TYPICAL ELEVATIONS FOR BASES

2



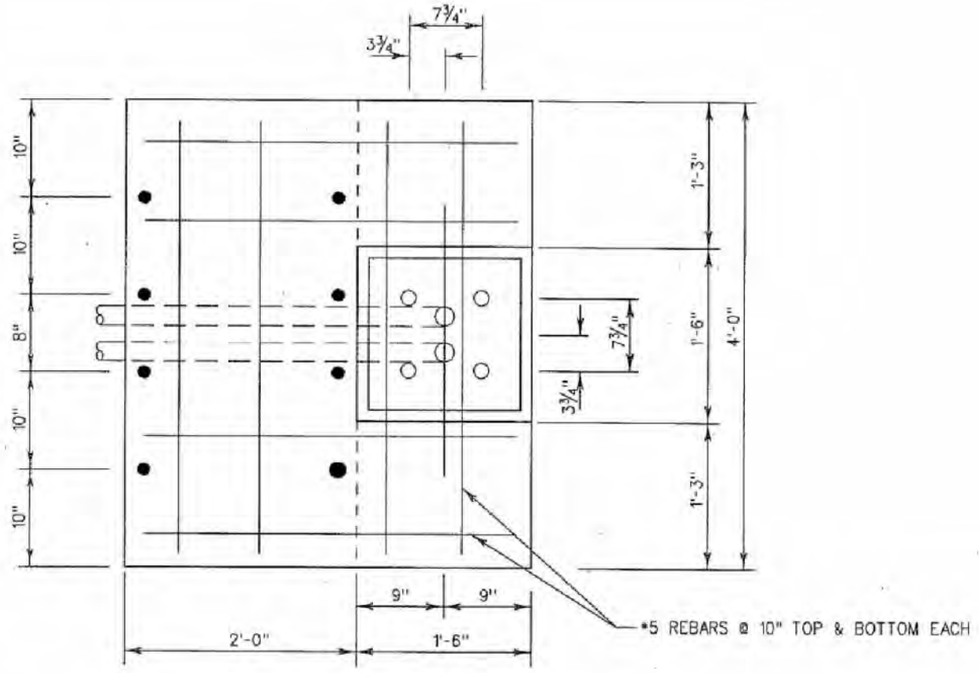
INSTALLATION DEPTH

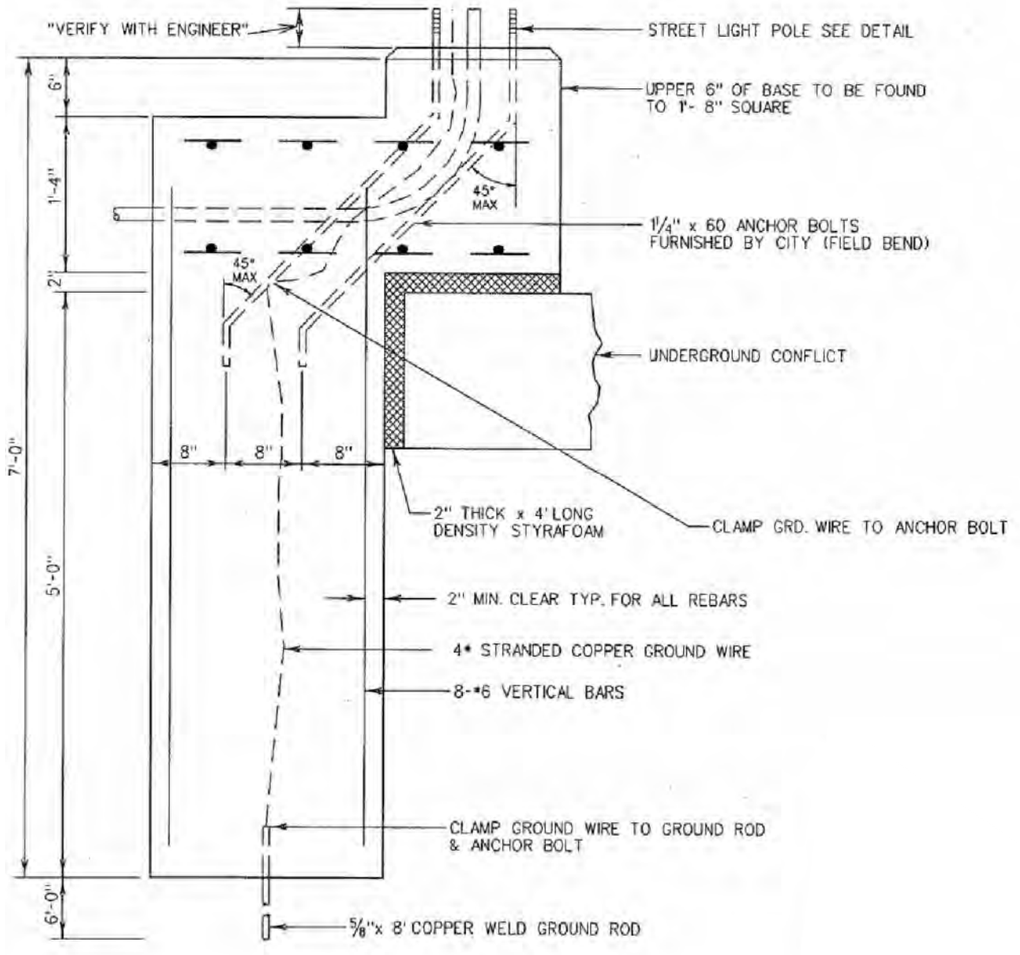
UNDER ROADWAY 24" MINIMUM, 36" MAXIMUM

IN TERRACE OR UNDER SIDEWALK 30" MINIMUM, 36" MAXIMUM

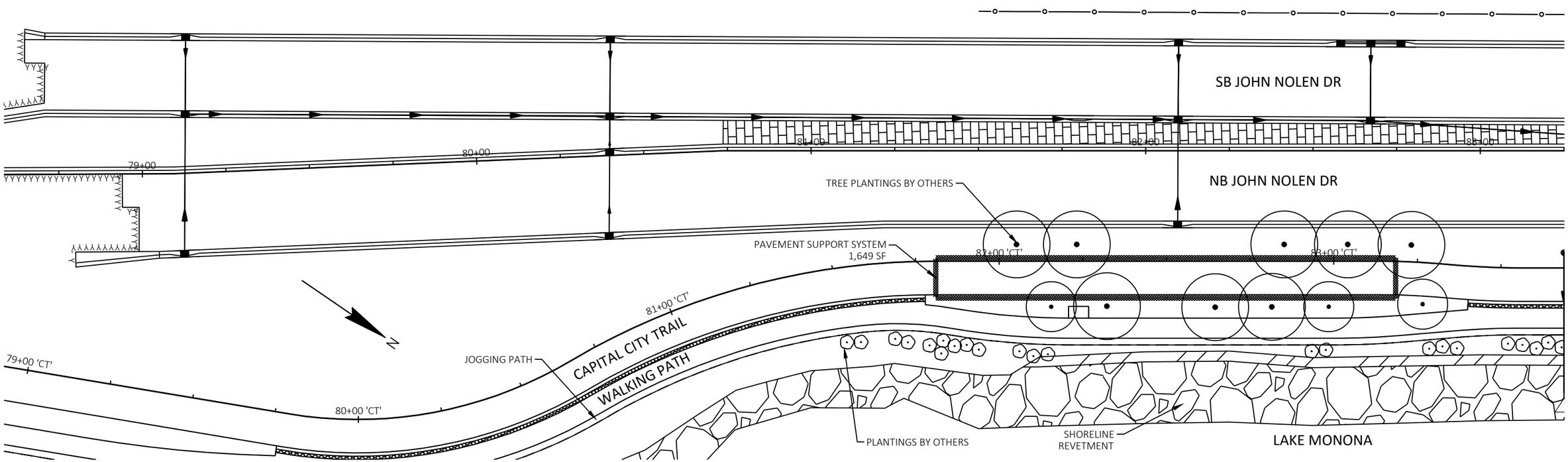
TYPICAL PLAN VIEW OF DUCT INSTALLATION & DUCT IMPRINT LOCATION

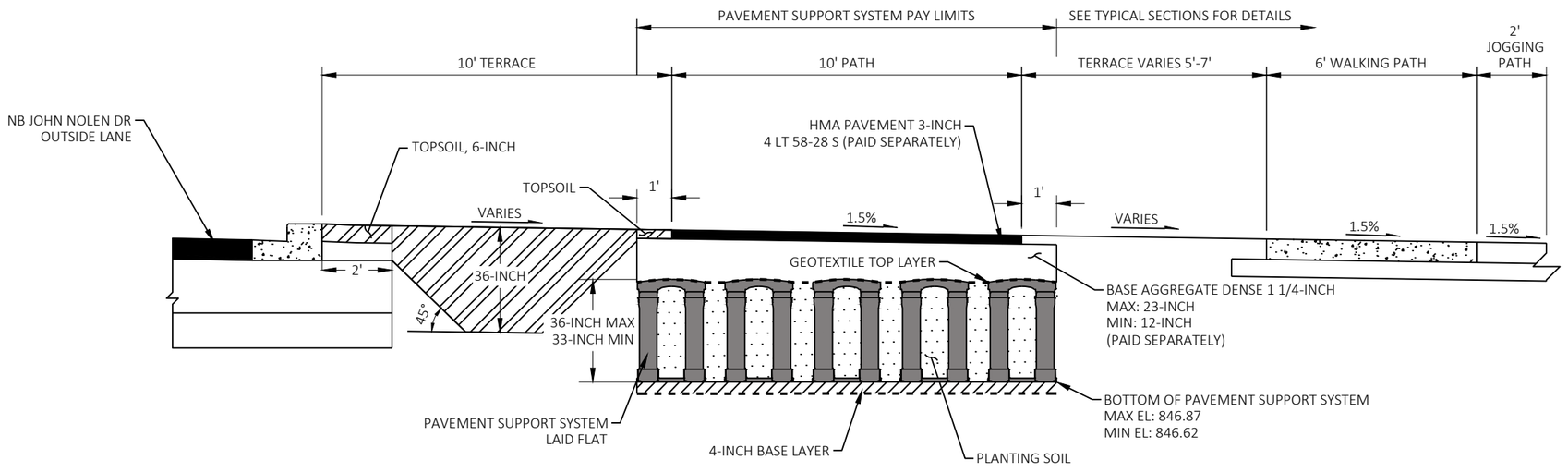
2





OFFSET BASE DETAIL

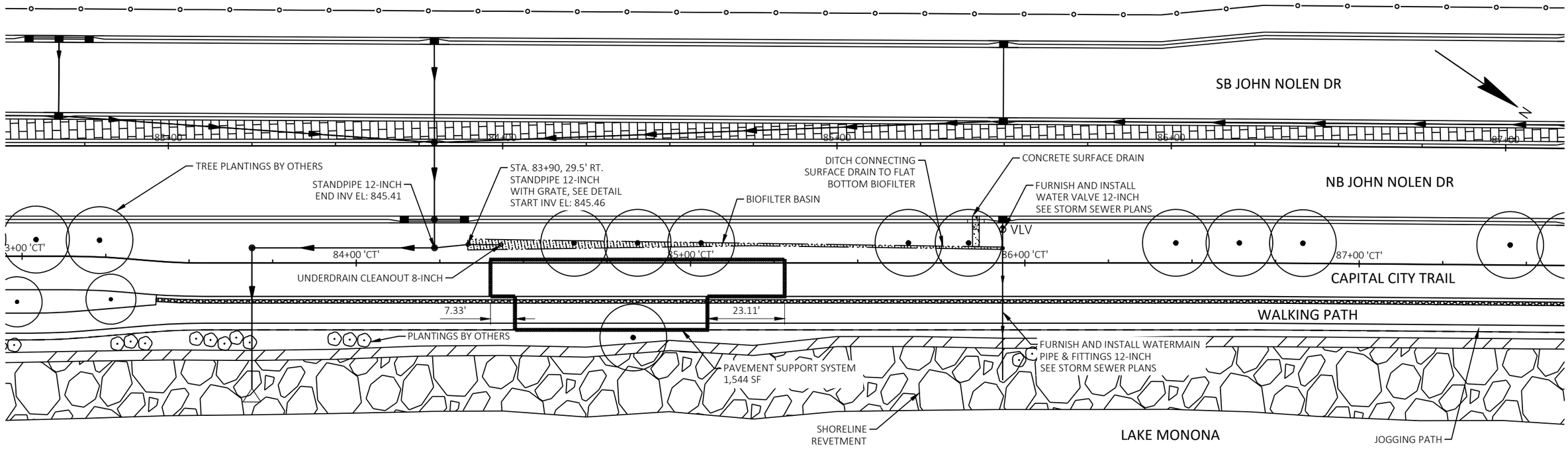


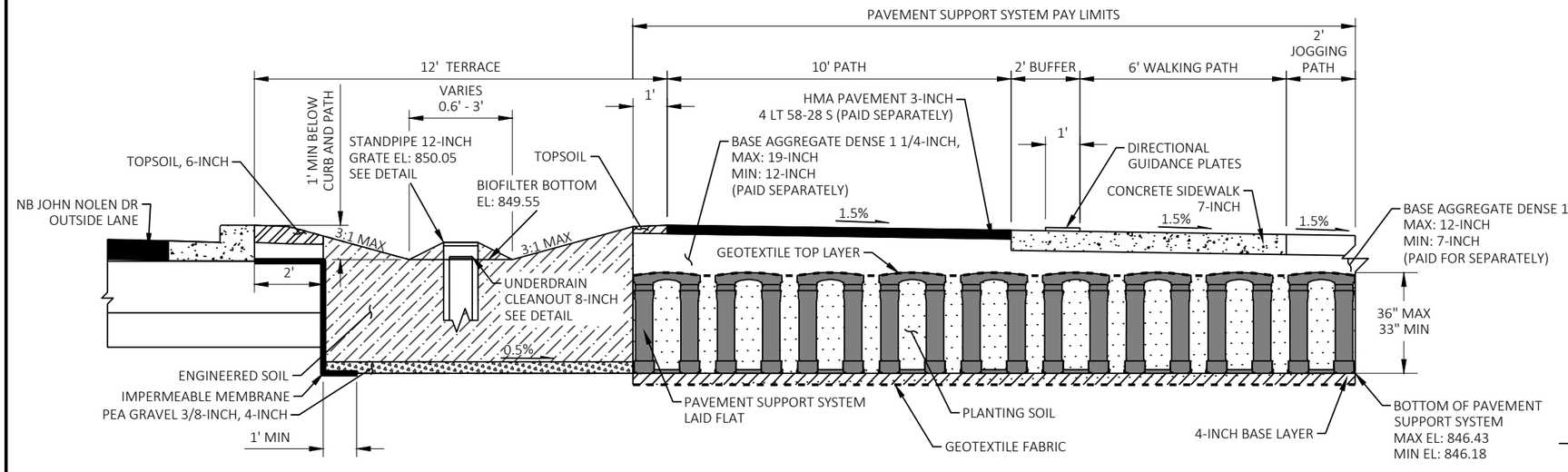


PAVEMENT SUPPORT SYSTEM

STA. 81+81'CT' - STA 83+18'CT'

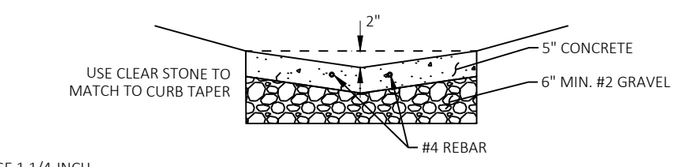
PROJECT NO: 5992-11-21,-28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT SUPPORT SYSTEM	SHEET 77	E





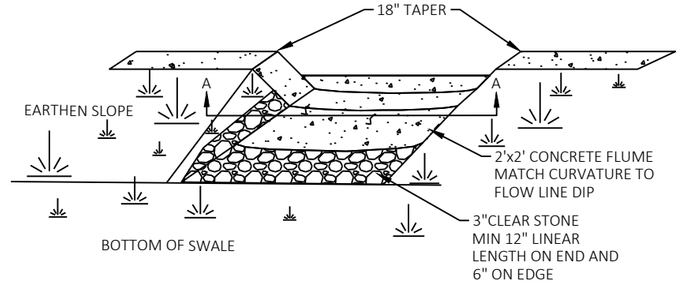
PAVEMENT SUPPORT SYSTEM WITH BIOFILTER BASIN

STA. 84+40'CT' - STA. 85+28'CT'



CONCRETE SURFACE DRAIN

CROSS SECTION A-A

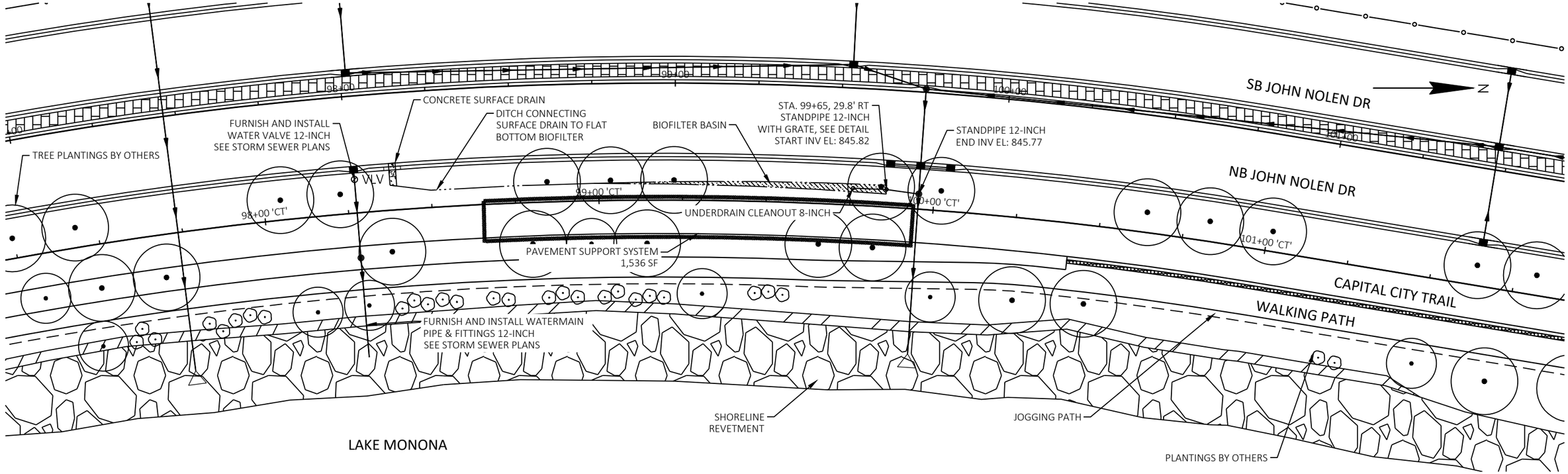


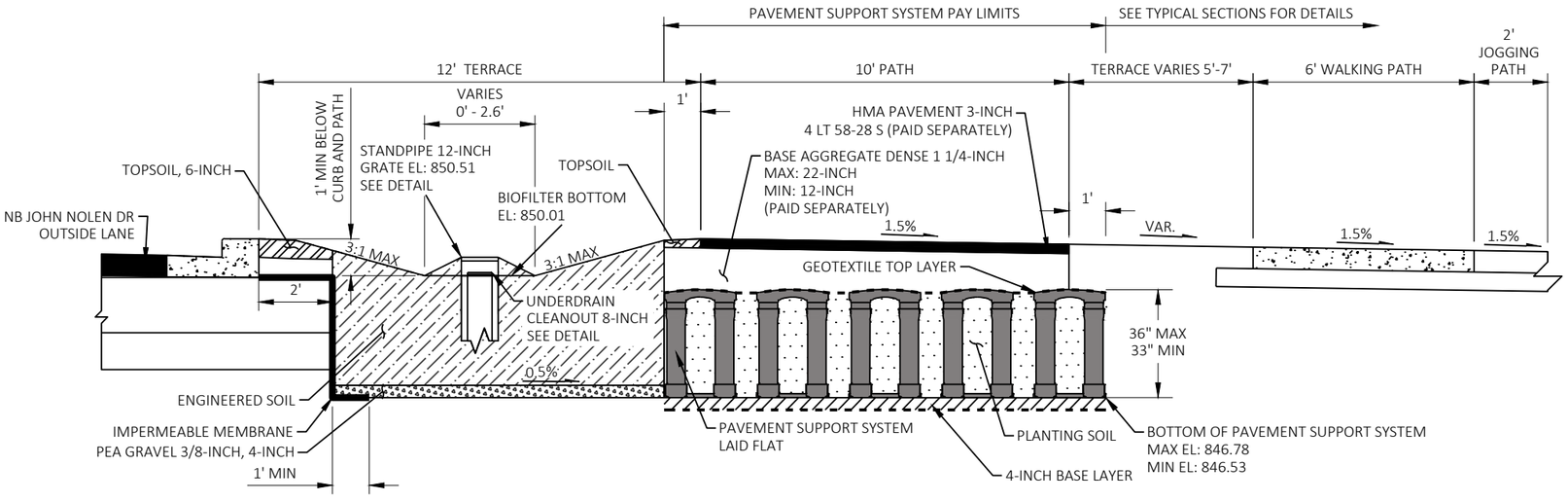
CONCRETE SURFACE DRAIN

PROJECT NO: 5992-11-21,-28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT SUPPORT SYSTEM WITH BIOFILTER BASIN	SHEET 78	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021006-CD_PAVEMENT SUPPORT.DWG
LAYOUT NAME - TSS Detail
PLOT DATE : 6/23/2025 2:45 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:30 FT

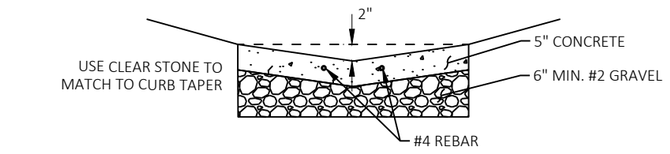
WISDOT/CADDS SHEET 44





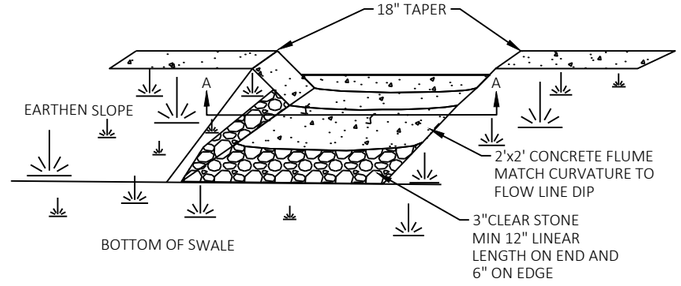
PAVEMENT SUPPORT SYSTEM WITH BIOFILTER BASIN

STA. 98+65'CT' - STA. 99+94'CT'



CONCRETE SURFACE DRAIN

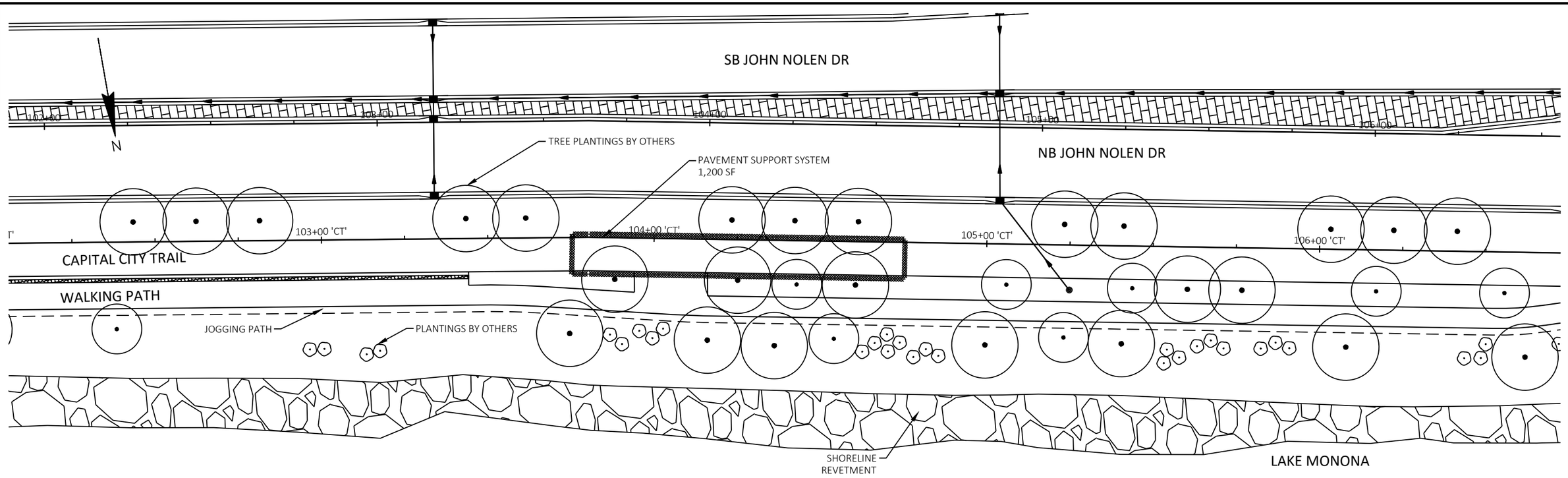
CROSS SECTION A-A

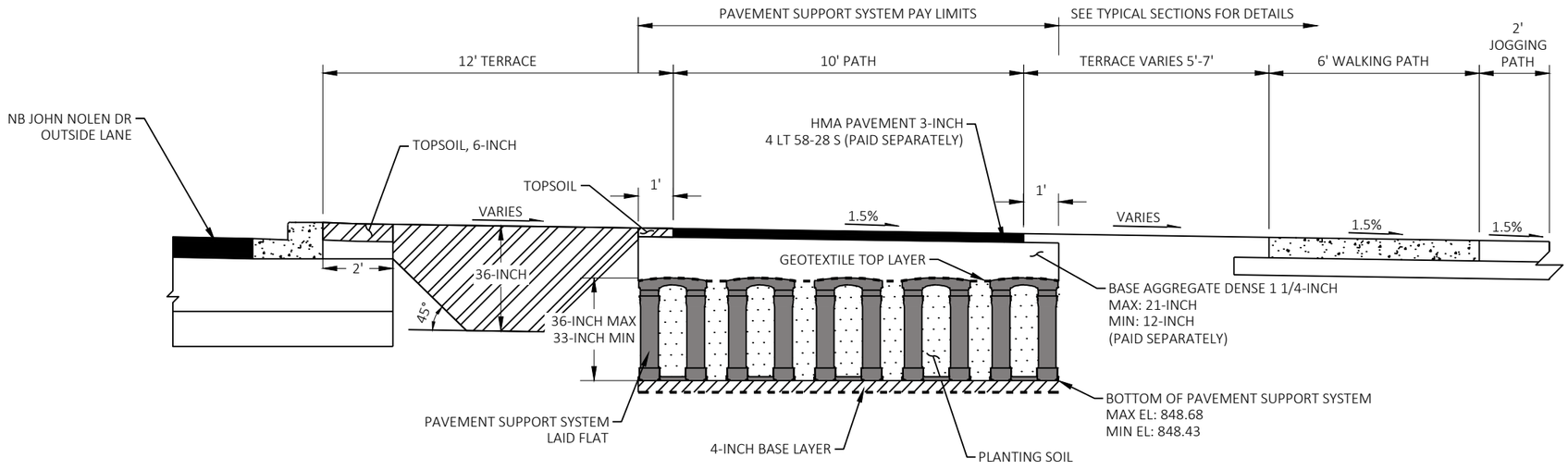


CONCRETE SURFACE DRAIN

PROJECT NO: 5992-11-21,-28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT SUPPORT SYSTEM WITH BIOFILTER BASIN	SHEET 79	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021006-CD_PAVEMENT SUPPORT.DWG
LAYOUT NAME - TSS Detail (2)
PLOT DATE : 6/23/2025 2:46 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:30 FT
WISDOT/CADDS SHEET 44



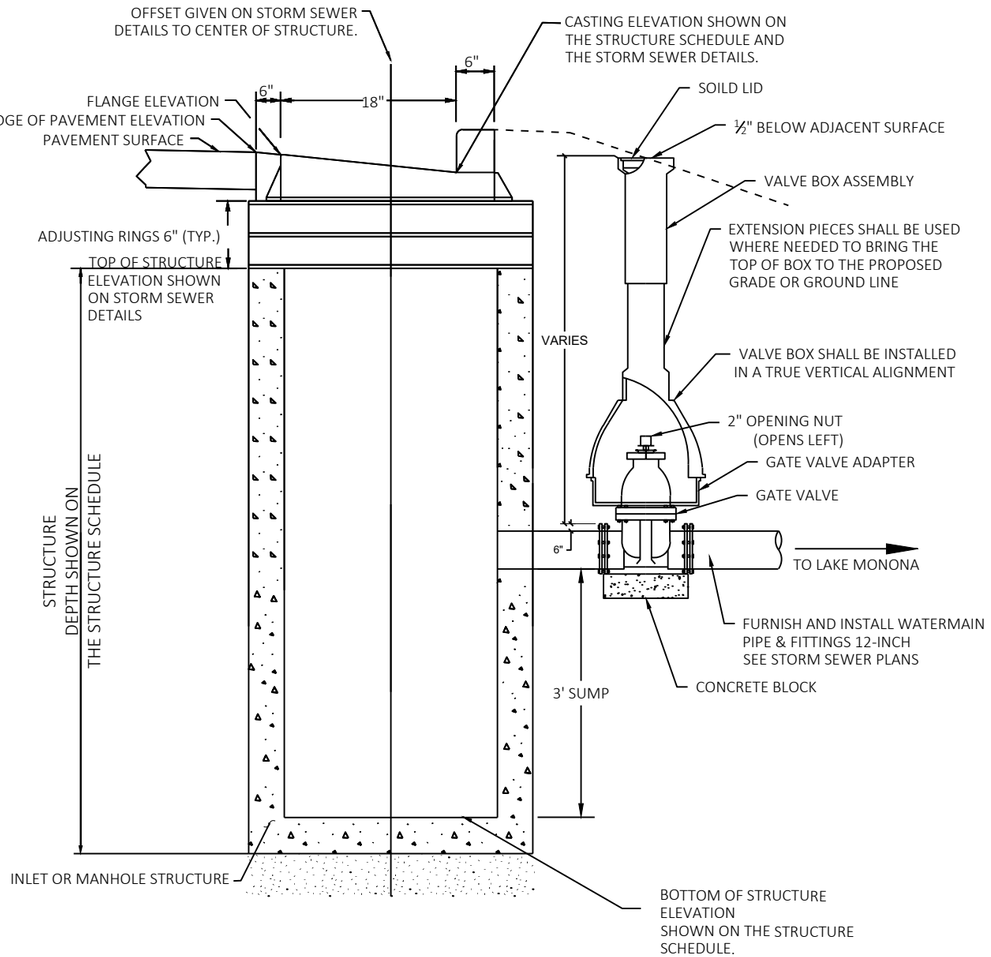


PAVEMENT SUPPORT SYSTEM

STA. 103+75'CT' - STA. 104+75'CT'

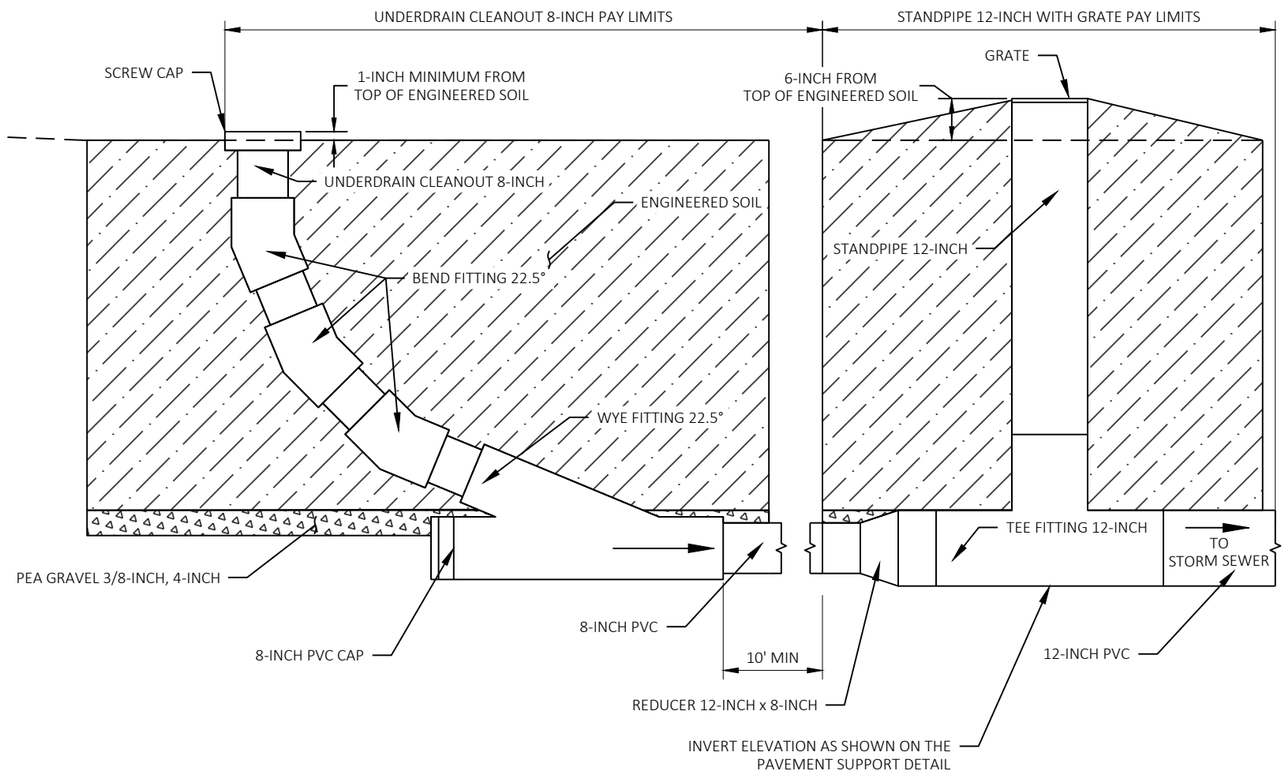
PROJECT NO: 5992-11-21,-28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT SUPPORT SYSTEM	SHEET 80	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021006-CD_PAVEMENT SUPPORT.DWG
LAYOUT NAME - NoTSSDetail (2)
PLOT DATE : 5/22/2025 2:48 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:30 FT



FURNISH AND INSTALL WATER VALVE 12-INCH

SEE STORM SEWER PLANS FOR LOCATIONS



UNDERDRAIN CLEANOUT 8-INCH

BIOFILTRATION BASINS

2

E LAKESIDE ST

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

72+00 'SB' 73+00 'SB' 74+00 'SB' 75+00 'SB' 76+00 'SB'

71+00 72+00 73+00 74+00 75+00 76+00

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

MATCH LINE 76+25

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 82	E

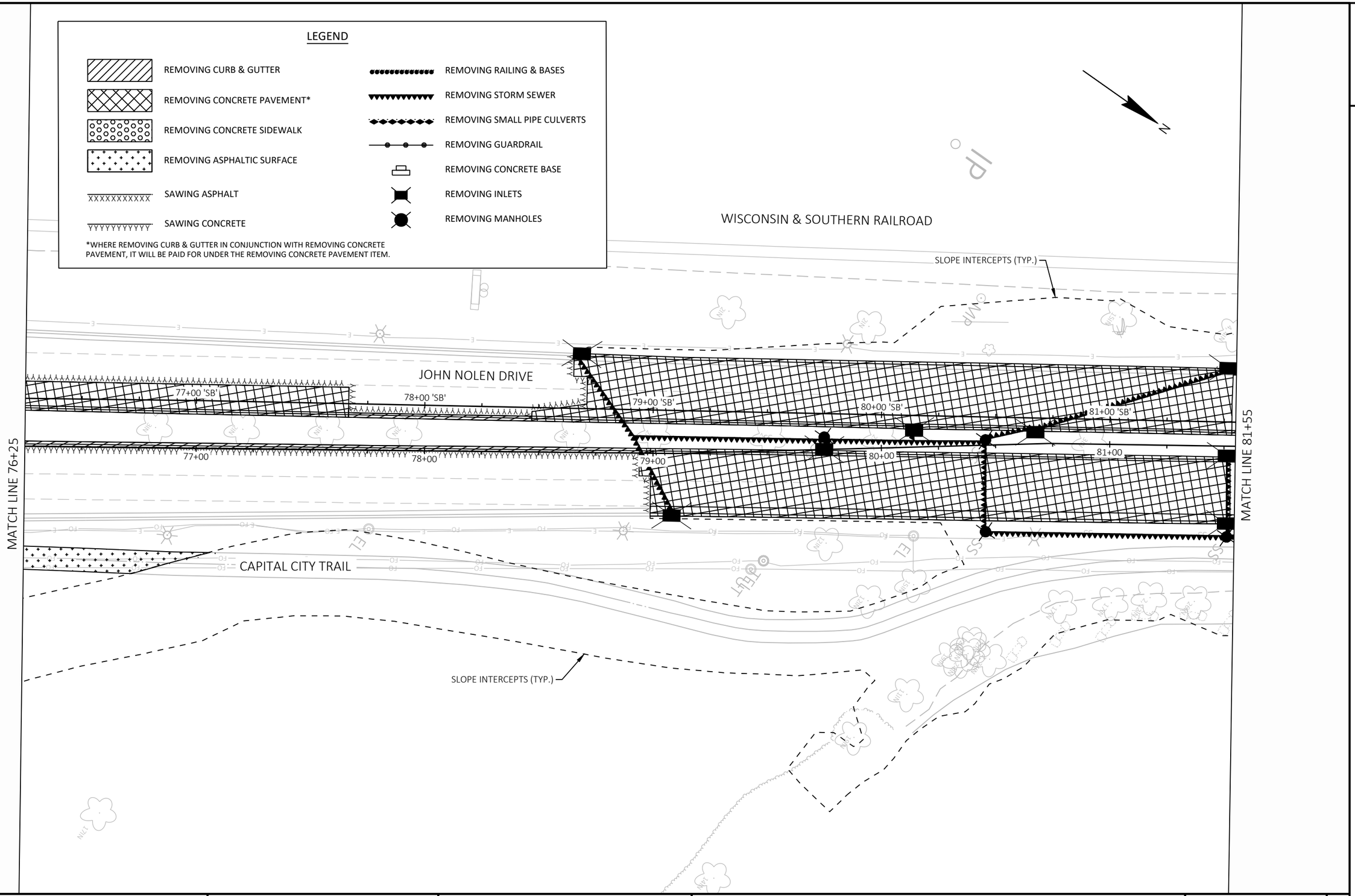
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 01
PLOT DATE : 5/22/2025 3:52 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.



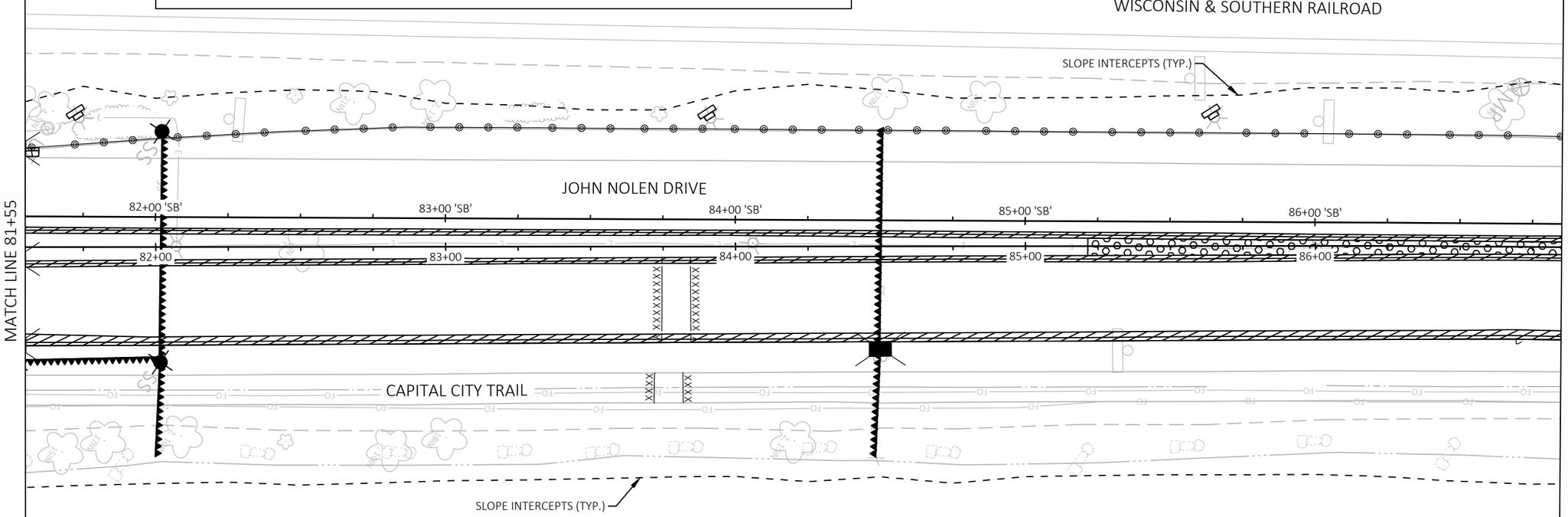
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 83	E

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 84	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 03

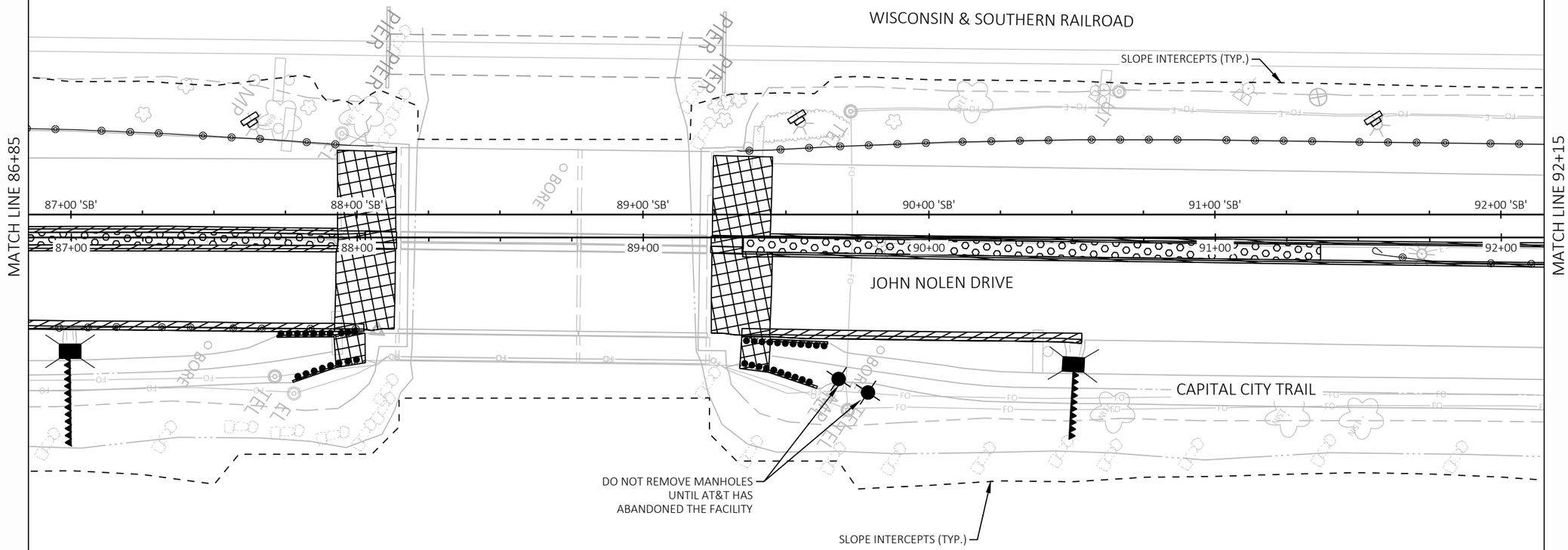
PLOT DATE : 5/22/2025 3:53 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 85	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 04

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

N

WISCONSIN & SOUTHERN RAILROAD

SLOPE INTERCEPTS (TYP.)

JOHN NOLEN DRIVE

93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
93+00
94+00
95+00
96+00
97+00

MATCH LINE 92+15

MATCH LINE 97+45

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 86	E

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

N

WISCONSIN & SOUTHERN RAILROAD

SLOPE INTERCEPTS (TYP.)

JOHN NOLEN DRIVE

MATCH LINE 97+45

98+00 'SB'

99+00 'SB'

100+00 'SB'

101+00 'SB'

102+00 'SB'

98+00

99+00

100+00

101+00

102+00

MATCH LINE 102+75

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 87	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 06

PLOT DATE : 5/22/2025 3:54 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

N

REMOVING NAVIGATIONAL MARKERS

WISCONSIN & SOUTHERN RAILROAD

SLOPE INTERCEPTS (TYP.)

JOHN NOLEN DRIVE

103+00 'SB' 104+00 'SB' 105+00 'SB' 106+00 'SB' 107+00 'SB' 108+00 'SB'

103+00 104+00 105+00 106+00 107+00 108+00

MATCH LINE 102+75

MATCH LINE 108+05

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

DO NOT REMOVE MANHOLE UNTIL AT&T HAS ABANDONED THE FACILITY

REMOVING NAVIGATIONAL MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 88	E

2

N

REMOVING NAVIGATIONAL MARKERS

WISCONSIN & SOUTHERN RAILROAD

SLOPE INTERCEPTS (TYP.)

JOHN NOLEN DRIVE

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

109+00

110+00

111+00

112+00

113+00

MATCH LINE 108+05

MATCH LINE 113+35

CAPITAL CITY TRAIL

REMOVING NAVIGATIONAL MARKER

SLOPE INTERCEPTS (TYP.)

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT (XXXXXXXXXXX)
- SAWING CONCRETE (YYYYYYYYYYY)
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 89	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 08
PLOT DATE : 5/22/2025 3:55 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 13+25 'NSE'

NORTH SHORE

RAILROAD SIGNALS AND GATES TO BE REMOVED BY OTHERS

14+00 'NSW'

14+00 'NSE'

RAILROAD SIGNALS AND GATES TO BE REMOVED BY OTHERS

WISCONSIN & SOUTHERN RAILROAD

SLOPE INTERCEPTS (TYP.)

REMOVING ANCILLARY STRUCTURES S-13-3007

114+00 'SB'

115+00 'SB'

116+00 'SB'

117+00 'SB'

118+00 'SB'

114+00

115+00

116+00

117+00

118+00

JOHN NOLEN DRIVE

MATCH LINE 113+35

MATCH LINE 118+65

REMOVING ANCILLARY STRUCTURES S-13-3006

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

ABANDON EXISTING MONITORING WELL

EXISTING FISHING PIER TO BE REMOVED PRIOR TO CONSTRUCTION BY OTHERS

REMOVE FISHING DOCK ABUTMENT PAID FOR AS REMOVING MASONRY

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 90	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 09
PLOT DATE : 6/23/2025 4:09 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.

N

RAILROAD SIGNALS AND GATES TO BE REMOVED BY OTHERS

RAILROAD SIGNALS AND GATES TO BE REMOVED BY OTHERS

S. BROOM STREET

701+00 'BSE'

701+00 'BSW'

WISCONSIN & SOUTHERN RAILROAD

TO BE REMOVED BY OTHERS

RAILROAD SIGNALS AND GATES TO BE REMOVED BY OTHERS

SLOPE INTERCEPTS (TYP.)

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

JOHN NOLEN DRIVE

119+00

120+00

121+00

122+00

123+00

124+00

MATCH LINE 118+65

MATCH LINE STA 124+50

CAPITAL CITY TRAIL

REMOVE AND REINSTALL HISTORICAL MONUMENT

SLOPE INTERCEPTS (TYP.)

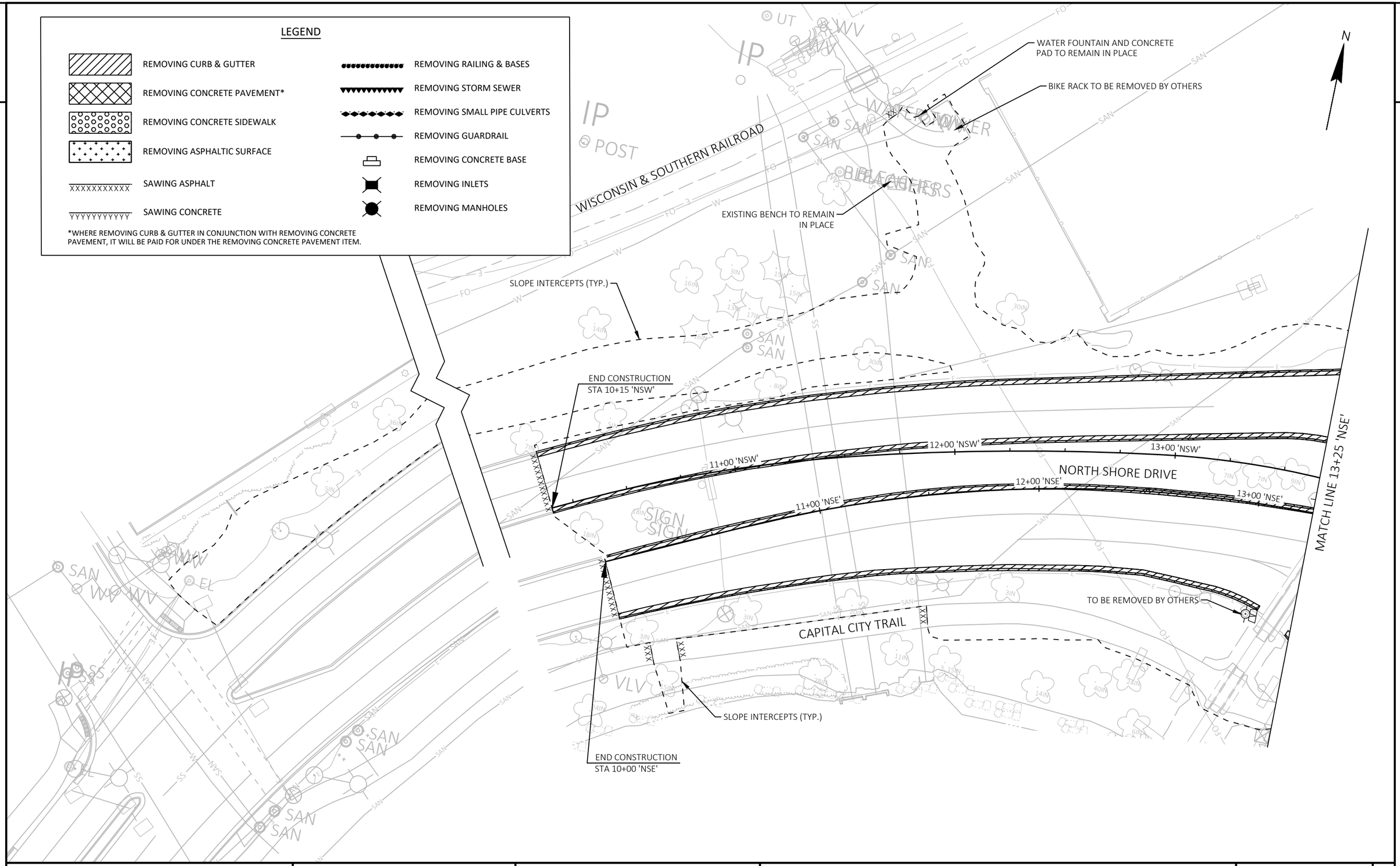
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 91	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 10
PLOT DATE : 5/22/2025 3:55 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 92	E

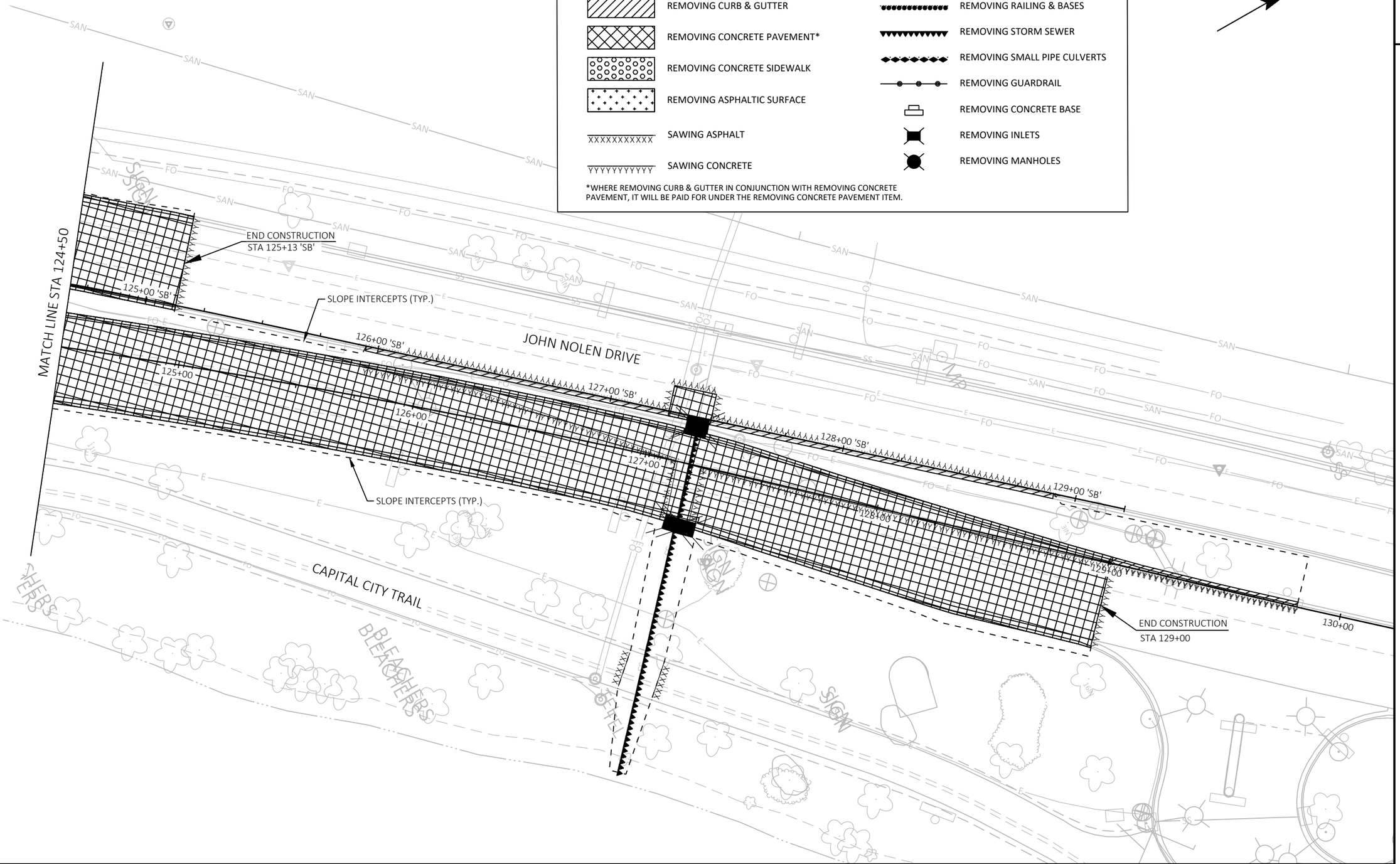
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 11
PLOT DATE : 5/22/2025 3:56 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- REMOVING CURB & GUTTER
- REMOVING CONCRETE PAVEMENT*
- REMOVING CONCRETE SIDEWALK
- REMOVING ASPHALTIC SURFACE
- SAWING ASPHALT
- SAWING CONCRETE
- REMOVING RAILING & BASES
- REMOVING STORM SEWER
- REMOVING SMALL PIPE CULVERTS
- REMOVING GUARDRAIL
- REMOVING CONCRETE BASE
- REMOVING INLETS
- REMOVING MANHOLES

*WHERE REMOVING CURB & GUTTER IN CONJUNCTION WITH REMOVING CONCRETE PAVEMENT, IT WILL BE PAID FOR UNDER THE REMOVING CONCRETE PAVEMENT ITEM.



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	REMOVAL PLAN	SHEET 93	E

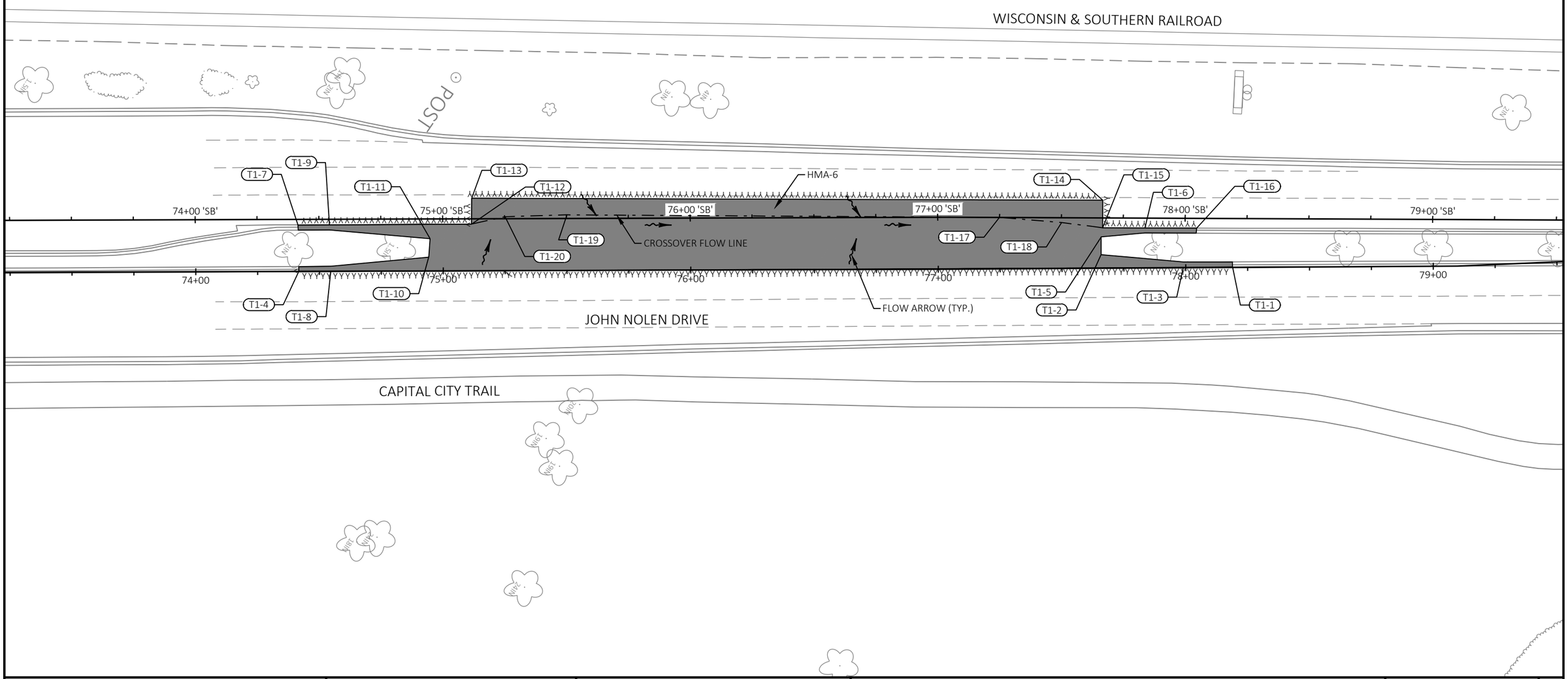
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 12

PLOT DATE : 5/22/2025 3:56 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND	
CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

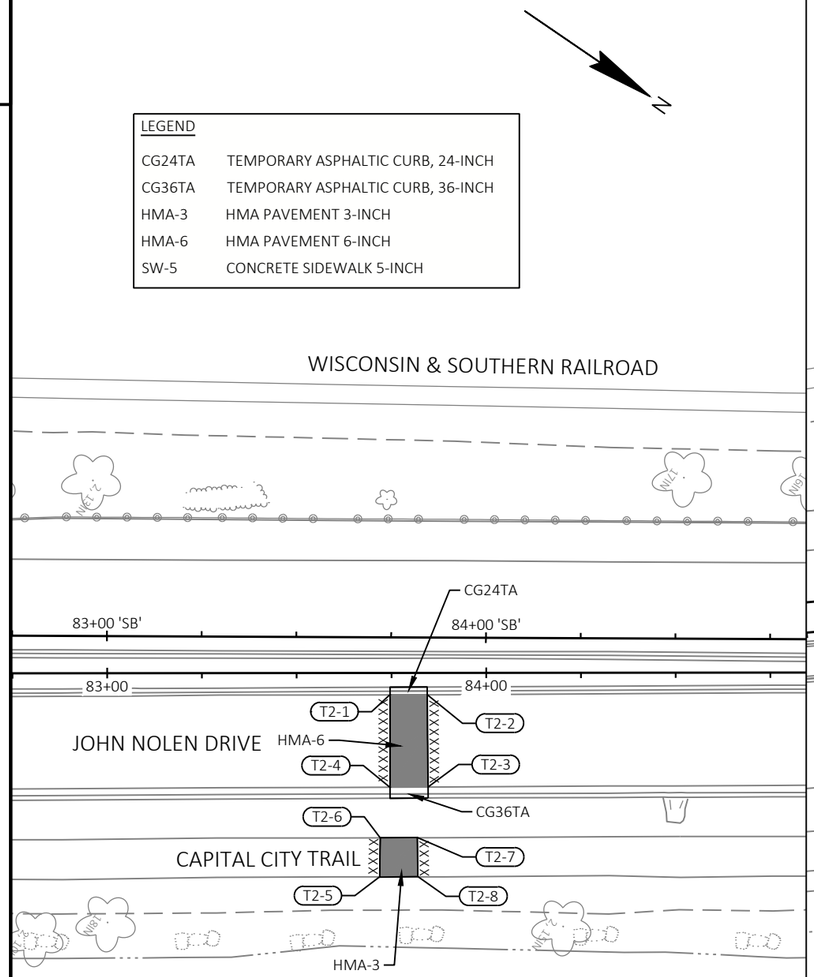
REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T1-1	78+18.88	0.24' LT	MATCH	476611.97	821377.48
T1-2	77+65.83	5.51' LT	853.41	476565.33	821403.30
T1-3	77+99.02	0.00'	MATCH	476595.77	821388.96
T1-4	74+41.65	0.08' RT	MATCH	476301.40	821591.60
T1-5	77+65.87	12.56' LT	852.88	476561.36	821397.47
T1-6	77+83.60	16.17' LT	MATCH	476573.89	821384.42
T1-7	74+41.37	18.69' LT	MATCH	476290.54	821576.29
T1-8	74+54.58	0.00'	MATCH	476312.01	821584.22
T1-9	74+54.07	18.71' LT	MATCH	476301.00	821569.08
T1-10	74+94.16	5.56' LT	854.14	476341.49	821557.21

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T1-11	74+94.75	13.05' LT	853.89	476337.73	821550.71
T1-12	75+11.49	18.83' LT	MATCH	476348.26	821536.46
T1-13	75+11.59	29.32' LT	MATCH	476342.40	821527.76
T1-14	77+66.67	27.48' LT	MATCH	476553.53	821384.74
T1-15	77+66.54	16.36' LT	MATCH	476559.74	821393.96
T1-16	78+04.52	15.98' LT	MATCH	476591.21	821372.69
T1-17	77+24.90	20.78' LT	852.85	476522.98	821413.99
T1-18	77+50.00	18.57' LT	852.70	476544.88	821401.54
T1-19	75+50.00	22.49' LT	853.55	476377.93	821511.65
T1-20	75+25.00	21.81' LT	853.61	476357.71	821526.36

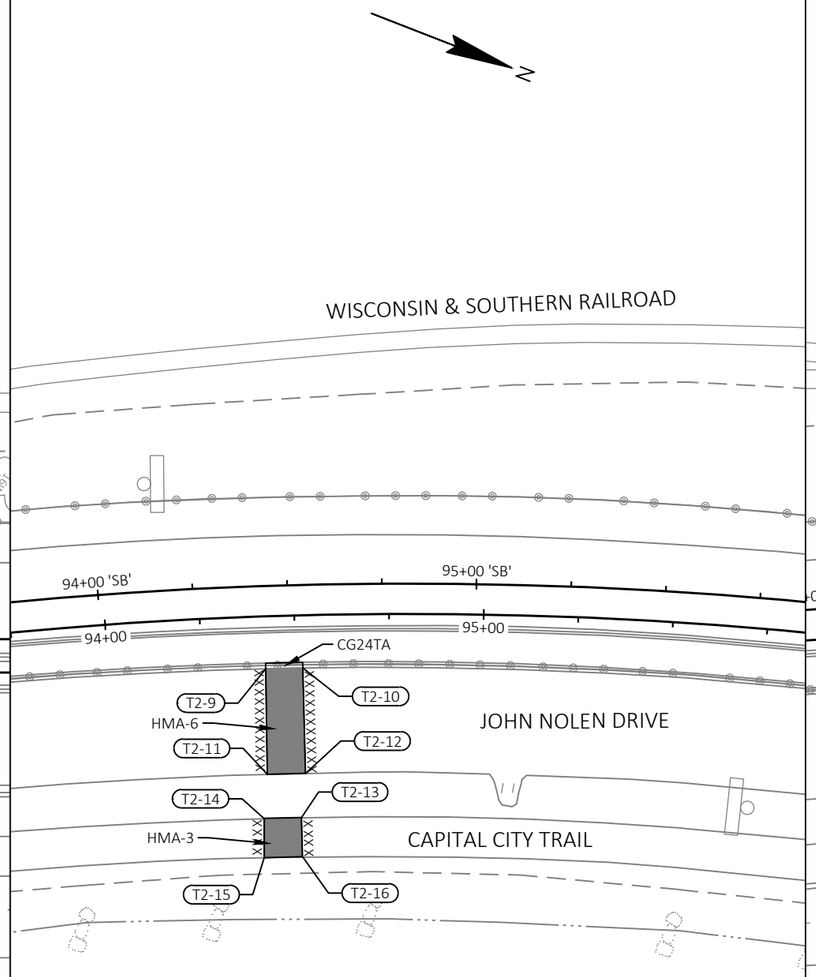


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS TEMPORARY-STAGE 1	SHEET 94	E

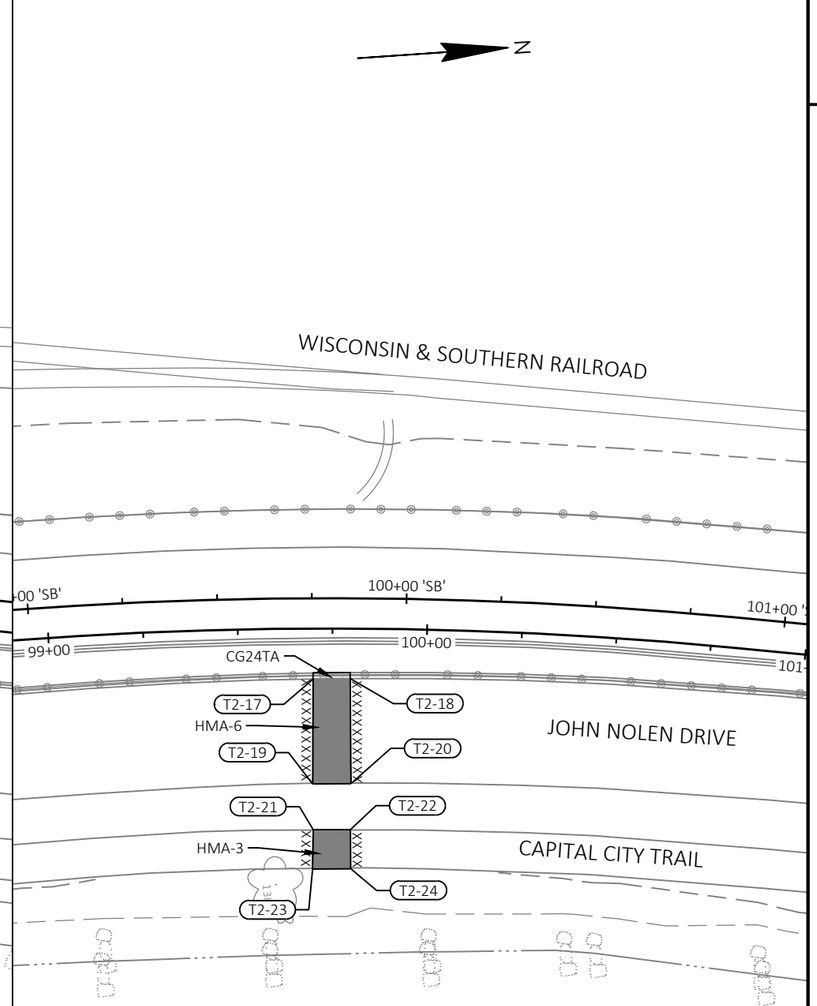
LEGEND	
CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH



REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T2-1	83+74.62	5.82' RT	MATCH	477069.95	821062.93
T2-2	83+84.42	5.79' RT	MATCH	477078.03	821057.38
T2-3	83+84.61	30.13' RT	MATCH	477091.92	821077.37
T2-4	83+74.58	30.17' RT	MATCH	477083.66	821083.06
T2-5	83+71.84	53.85' RT	MATCH	477094.76	821104.16
T2-6	83+72.00	43.50' RT	MATCH	477089.06	821095.52
T2-7	83+81.78	43.45' RT	MATCH	477097.11	821089.96
T2-8	83+81.90	53.81' RT	MATCH	477103.05	821098.45

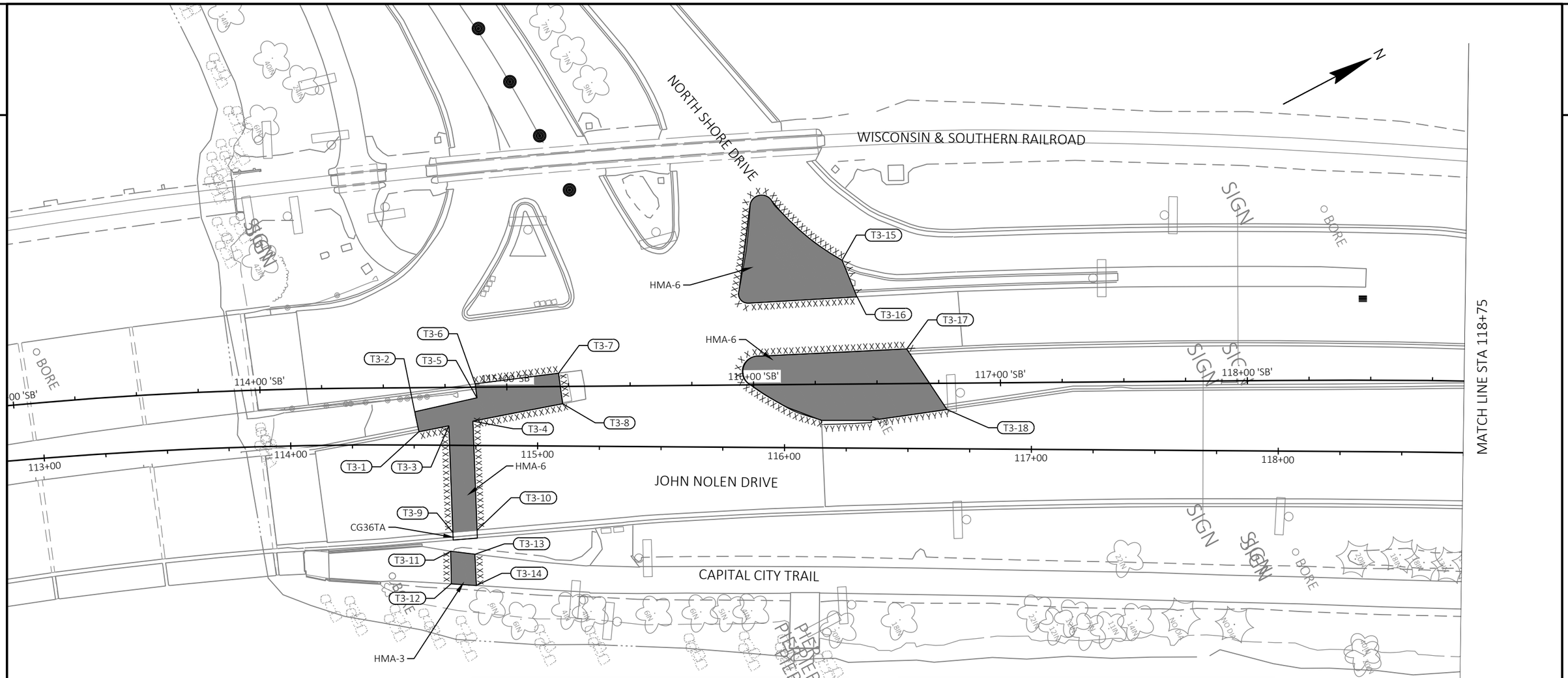


REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T2-9	94+41.98	13.86' RT	MATCH	477966.96	820491.00
T2-10	94+51.89	13.94' RT	MATCH	477976.01	820487.25
T2-11	94+41.45	41.69' RT	MATCH	477977.46	820516.77
T2-12	94+51.90	41.74' RT	MATCH	477986.75	820512.89
T2-13	94+50.45	53.37' RT	MATCH	477989.96	820524.16
T2-14	94+40.18	53.29' RT	MATCH	477980.93	820527.91
T2-15	94+39.81	63.67' RT	MATCH	477984.72	820537.58
T2-16	94+50.48	63.73' RT	MATCH	477994.00	820533.70



REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T2-17	99+69.85	13.32' RT	MATCH	478476.13	820403.26
T2-18	99+79.76	13.20' RT	MATCH	478485.91	820403.83
T2-19	99+69.64	40.98' RT	MATCH	478474.11	820430.85
T2-20	99+80.09	40.91' RT	MATCH	478484.15	820431.49
T2-21	99+69.74	53.10' RT	MATCH	478473.40	820442.95
T2-22	99+80.00	53.06' RT	MATCH	478483.16	820443.60
T2-23	99+69.50	63.49' RT	MATCH	478472.50	820453.30
T2-24	99+80.17	63.42' RT	MATCH	478482.54	820453.94

2



LEGEND

CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

REFERENCE POINT TABLE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T3-1	114+51.89	5.38' LT	MATCH	479914.78	820724.39
T3-2	114+50.14	13.40' LT	852.05	479917.01	820716.48
T3-3	114+64.01	7.84' LT	MATCH	479926.63	820727.92
T3-4	114+73.71	9.82' LT	MATCH	479936.13	820730.74
T3-5	114+75.29	19.31' LT	851.95	479941.98	820723.11
T3-6	114+74.57	24.92' LT	MATCH	479943.99	820717.82
T3-7	115+08.25	29.43' LT	MATCH	479975.83	820729.70
T3-8	115+09.99	17.14' LT	MATCH	479971.58	820741.36
T3-9	114+65.90	35.21' RT	MATCH	479908.03	820766.79
T3-10	114+75.72	34.28' RT	MATCH	479917.13	820770.60

REFERENCE POINT TABLE

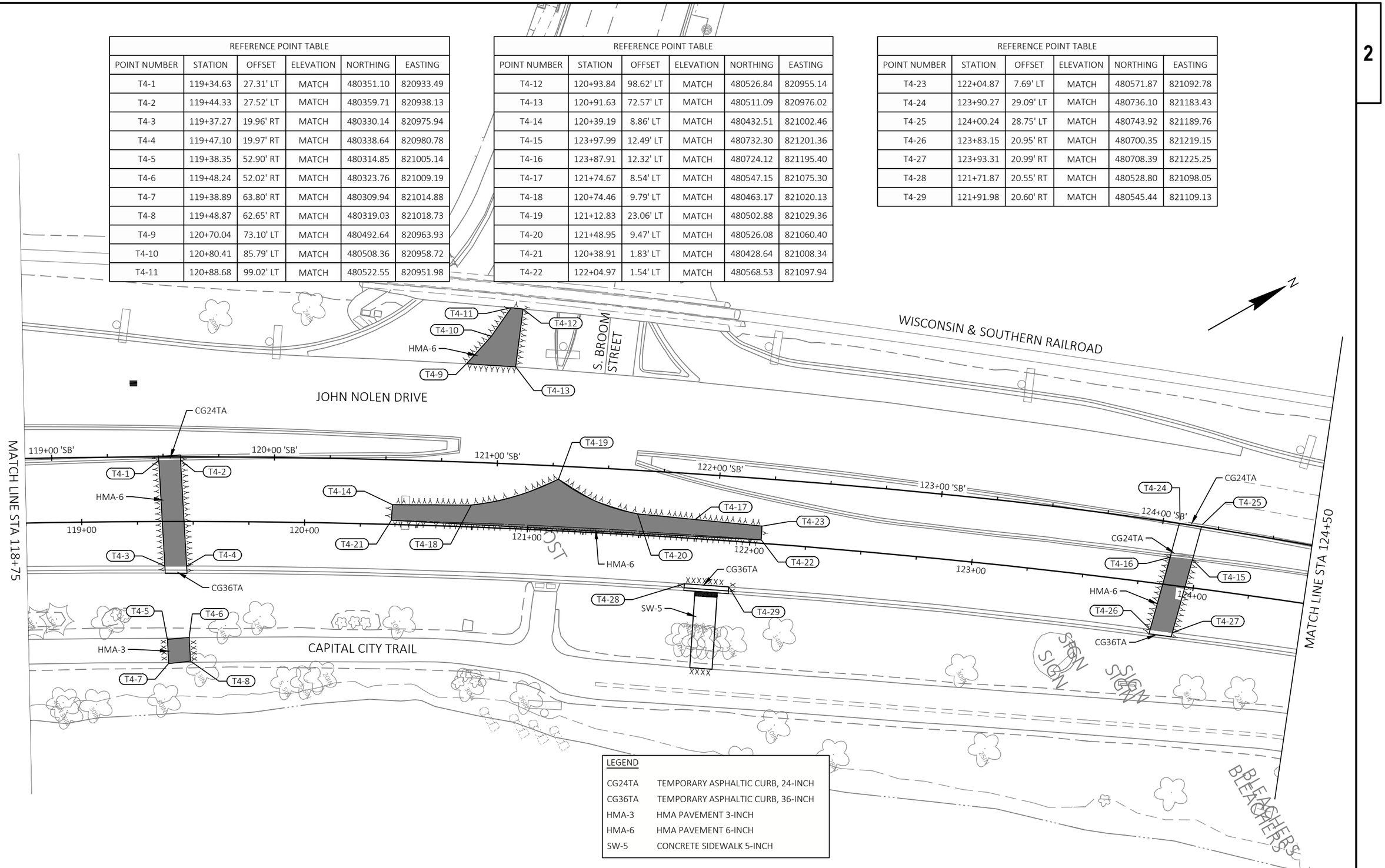
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T3-11	114+65.13	42.93' RT	MATCH	479903.72	820773.24
T3-12	114+65.43	56.08' RT	MATCH	479897.79	820784.99
T3-13	114+74.91	44.06' RT	MATCH	479911.81	820778.84
T3-14	114+75.61	56.70' RT	MATCH	479906.48	820790.32
T3-15	116+22.80	76.02' LT	MATCH	480098.82	820742.53
T3-16	116+28.91	61.25' LT	MATCH	480097.26	820758.43
T3-17	116+49.20	40.30' LT	MATCH	480105.30	820786.47
T3-18	116+65.67	15.87' LT	MATCH	480108.33	820815.78

2

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T4-1	119+34.63	27.31' LT	MATCH	480351.10	820933.49
T4-2	119+44.33	27.52' LT	MATCH	480359.71	820938.13
T4-3	119+37.27	19.96' RT	MATCH	480330.14	820975.94
T4-4	119+47.10	19.97' RT	MATCH	480338.64	820980.78
T4-5	119+38.35	52.90' RT	MATCH	480314.85	821005.14
T4-6	119+48.24	52.02' RT	MATCH	480323.76	821009.19
T4-7	119+38.89	63.80' RT	MATCH	480309.94	821014.88
T4-8	119+48.87	62.65' RT	MATCH	480319.03	821018.73
T4-9	120+70.04	73.10' LT	MATCH	480492.64	820963.93
T4-10	120+80.41	85.79' LT	MATCH	480508.36	820958.72
T4-11	120+88.68	99.02' LT	MATCH	480522.55	820951.98

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T4-12	120+93.84	98.62' LT	MATCH	480526.84	820955.14
T4-13	120+91.63	72.57' LT	MATCH	480511.09	820976.02
T4-14	120+39.19	8.86' LT	MATCH	480432.51	821002.46
T4-15	123+97.99	12.49' LT	MATCH	480732.30	821201.36
T4-16	123+87.91	12.32' LT	MATCH	480724.12	821195.40
T4-17	121+74.67	8.54' LT	MATCH	480547.15	821075.30
T4-18	120+74.46	9.79' LT	MATCH	480463.17	821020.13
T4-19	121+12.83	23.06' LT	MATCH	480502.88	821029.36
T4-20	121+48.95	9.47' LT	MATCH	480526.08	821060.40
T4-21	120+38.91	1.83' LT	MATCH	480428.64	821008.34
T4-22	122+04.97	1.54' LT	MATCH	480568.53	821097.94

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T4-23	122+04.87	7.69' LT	MATCH	480571.87	821092.78
T4-24	123+90.27	29.09' LT	MATCH	480736.10	821183.43
T4-25	124+00.24	28.75' LT	MATCH	480743.92	821189.76
T4-26	123+83.15	20.95' RT	MATCH	480700.35	821219.15
T4-27	123+93.31	20.99' RT	MATCH	480708.39	821225.25
T4-28	121+71.87	20.55' RT	MATCH	480528.80	821098.05
T4-29	121+91.98	20.60' RT	MATCH	480545.44	821109.13

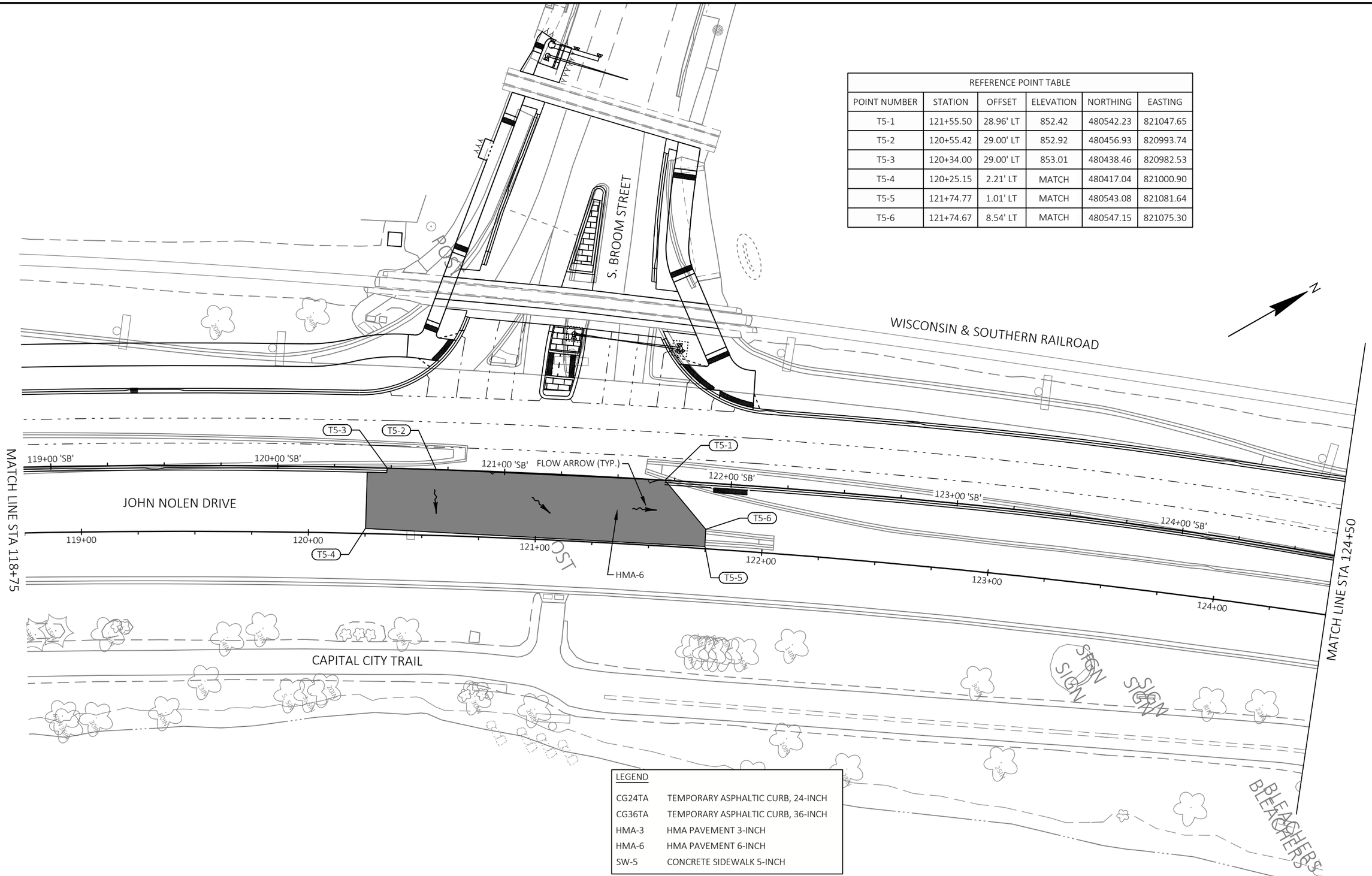


LEGEND	
CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS TEMPORARY-STAGE 1	SHEET 97	E

2

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T5-1	121+55.50	28.96' LT	852.42	480542.23	821047.65
T5-2	120+55.42	29.00' LT	852.92	480456.93	820993.74
T5-3	120+34.00	29.00' LT	853.01	480438.46	820982.53
T5-4	120+25.15	2.21' LT	MATCH	480417.04	821000.90
T5-5	121+74.77	1.01' LT	MATCH	480543.08	821081.64
T5-6	121+74.67	8.54' LT	MATCH	480547.15	821075.30



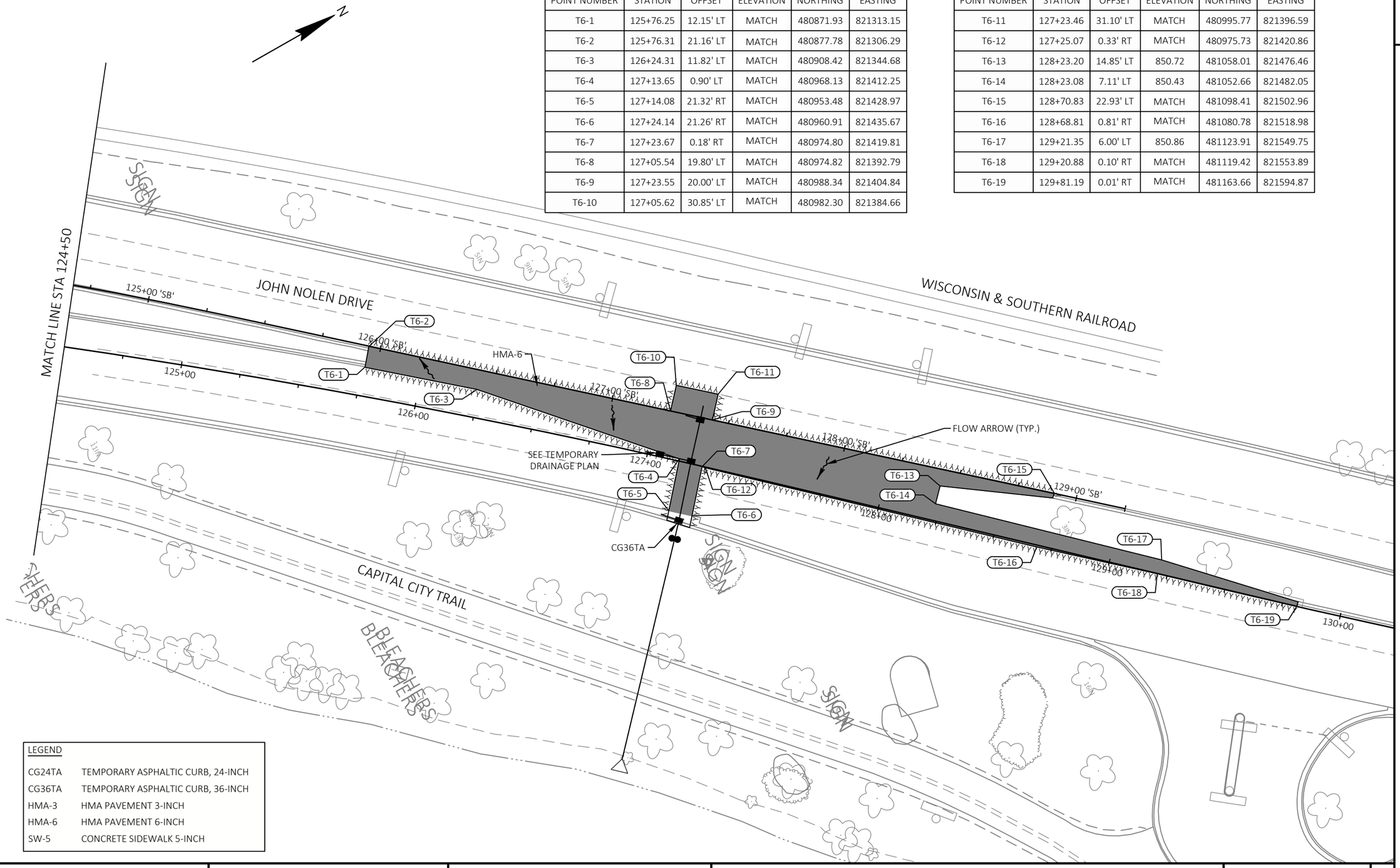
LEGEND

CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS TEMPORARY- STAGE 2	SHEET 98	E

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T6-1	125+76.25	12.15' LT	MATCH	480871.93	821313.15
T6-2	125+76.31	21.16' LT	MATCH	480877.78	821306.29
T6-3	126+24.31	11.82' LT	MATCH	480908.42	821344.68
T6-4	127+13.65	0.90' LT	MATCH	480968.13	821412.25
T6-5	127+14.08	21.32' RT	MATCH	480953.48	821428.97
T6-6	127+24.14	21.26' RT	MATCH	480960.91	821435.67
T6-7	127+23.67	0.18' RT	MATCH	480974.80	821419.81
T6-8	127+05.54	19.80' LT	MATCH	480974.82	821392.79
T6-9	127+23.55	20.00' LT	MATCH	480988.34	821404.84
T6-10	127+05.62	30.85' LT	MATCH	480982.30	821384.66

REFERENCE POINT TABLE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
T6-11	127+23.46	31.10' LT	MATCH	480995.77	821396.59
T6-12	127+25.07	0.33' RT	MATCH	480975.73	821420.86
T6-13	128+23.20	14.85' LT	850.72	481058.01	821476.46
T6-14	128+23.08	7.11' LT	850.43	481052.66	821482.05
T6-15	128+70.83	22.93' LT	MATCH	481098.41	821502.96
T6-16	128+68.81	0.81' RT	MATCH	481080.78	821518.98
T6-17	129+21.35	6.00' LT	850.86	481123.91	821549.75
T6-18	129+20.88	0.10' RT	MATCH	481119.42	821553.89
T6-19	129+81.19	0.01' RT	MATCH	481163.66	821594.87



LEGEND	
CG24TA	TEMPORARY ASPHALTIC CURB, 24-INCH
CG36TA	TEMPORARY ASPHALTIC CURB, 36-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
SW-5	CONCRETE SIDEWALK 5-INCH

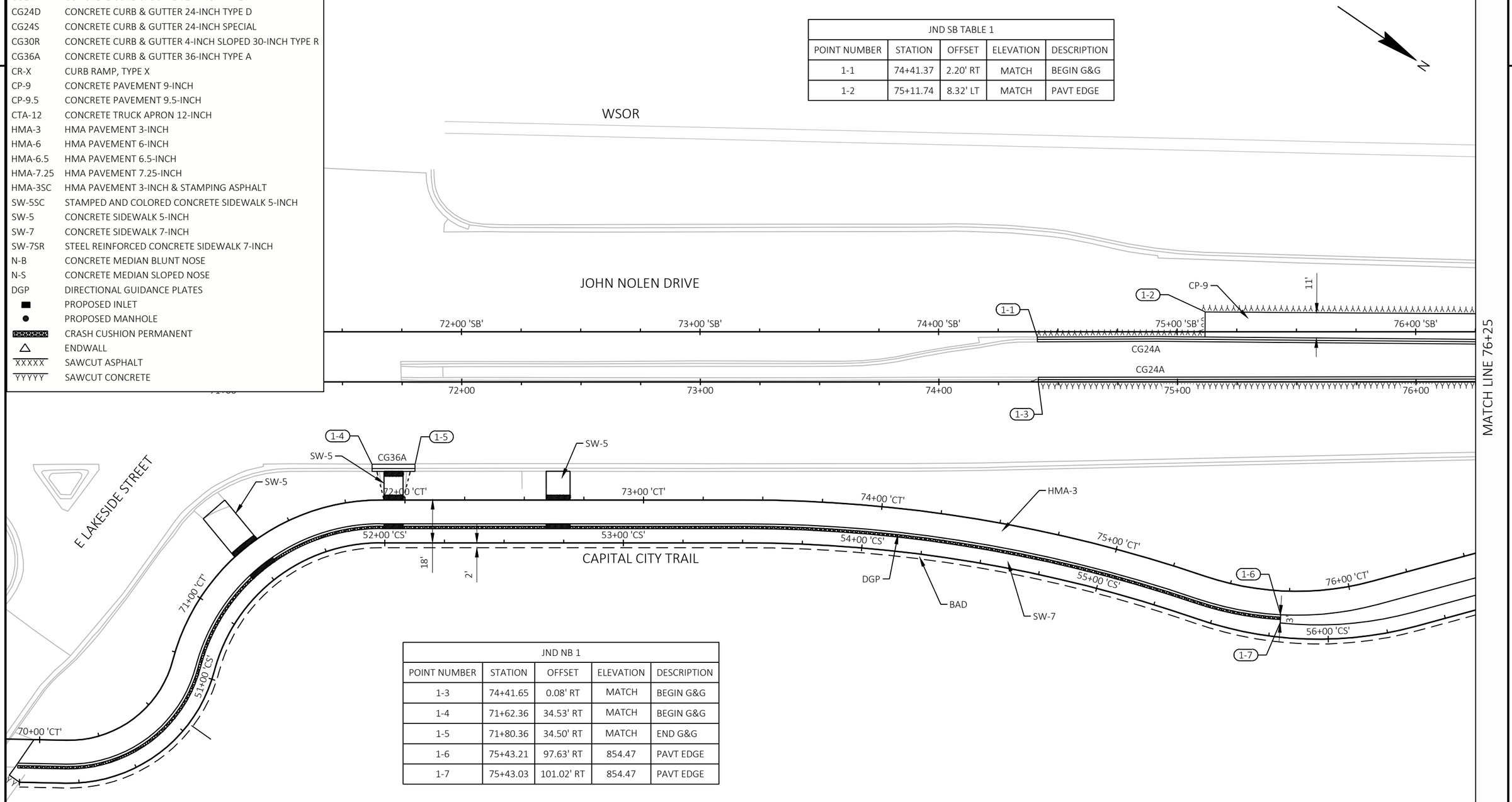
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS TEMPORARY-STAGE 1	SHEET 99	E

2

LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▨	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

JND SB TABLE 1				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
1-1	74+41.37	2.20' RT	MATCH	BEGIN G&G
1-2	75+11.74	8.32' LT	MATCH	PAVT EDGE



JND NB 1				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
1-3	74+41.65	0.08' RT	MATCH	BEGIN G&G
1-4	71+62.36	34.53' RT	MATCH	BEGIN G&G
1-5	71+80.36	34.50' RT	MATCH	END G&G
1-6	75+43.21	97.63' RT	854.47	PAVT EDGE
1-7	75+43.03	101.02' RT	854.47	PAVT EDGE

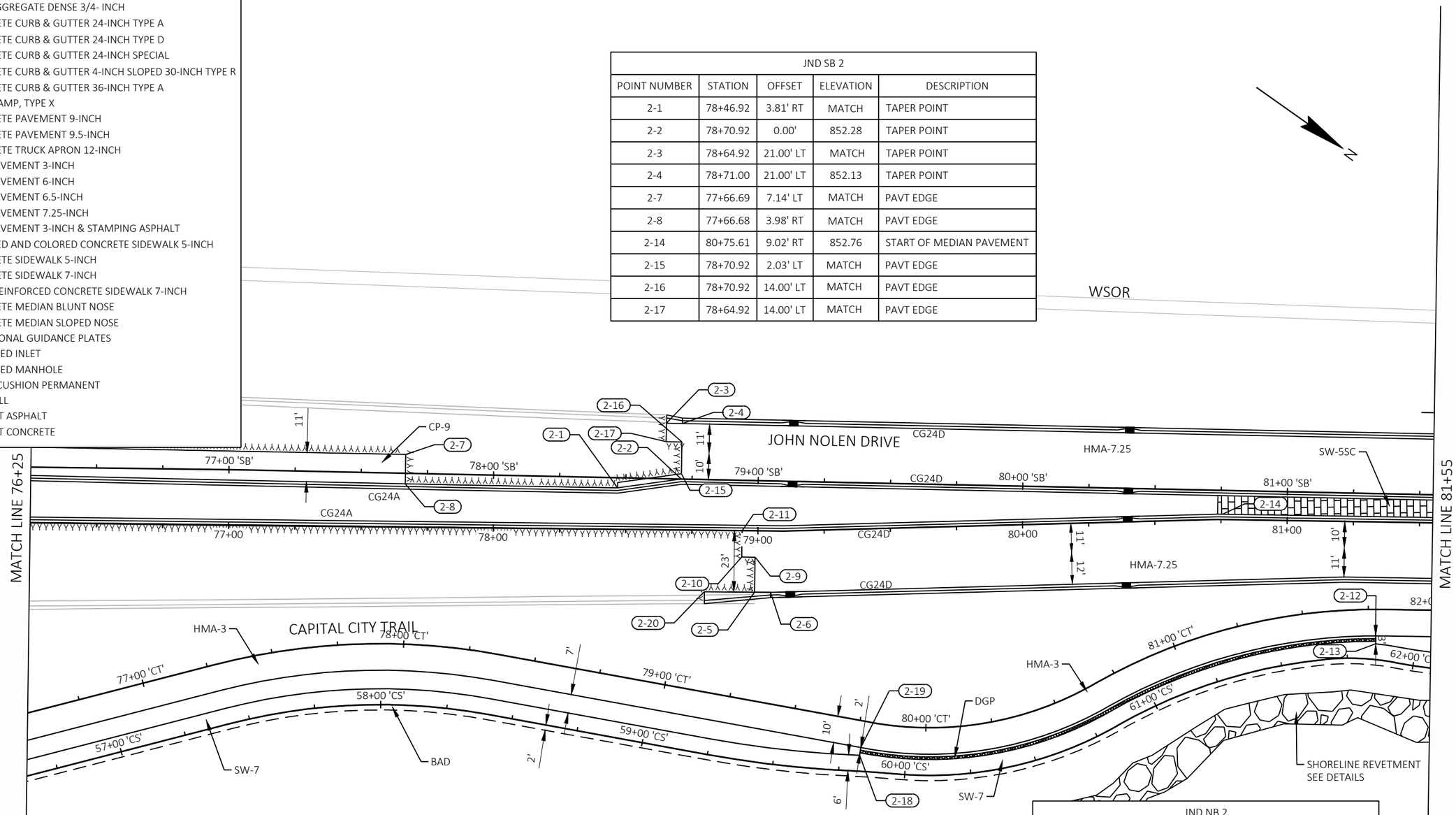
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 100	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 01
PLOT DATE : 5/22/2025 5:01 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND	
BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▭	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

JND SB 2				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
2-1	78+46.92	3.81' RT	MATCH	TAPER POINT
2-2	78+70.92	0.00'	852.28	TAPER POINT
2-3	78+64.92	21.00' LT	MATCH	TAPER POINT
2-4	78+71.00	21.00' LT	852.13	TAPER POINT
2-7	77+66.69	7.14' LT	MATCH	PAVT EDGE
2-8	77+66.68	3.98' RT	MATCH	PAVT EDGE
2-14	80+75.61	9.02' RT	852.76	START OF MEDIAN PAVEMENT
2-15	78+70.92	2.03' LT	MATCH	PAVT EDGE
2-16	78+70.92	14.00' LT	MATCH	PAVT EDGE
2-17	78+64.92	14.00' LT	MATCH	PAVT EDGE



CT 2				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
2-12	81+77.72	10.00' RT	851.59	PAVT EDGE
2-13	81+77.72	13.00' RT	851.54	PAVT EDGE
2-18	79+77.17	13.00' RT	855.72	PAVT EDGE
2-19	79+77.07	10.00' RT	855.68	PAVT EDGE

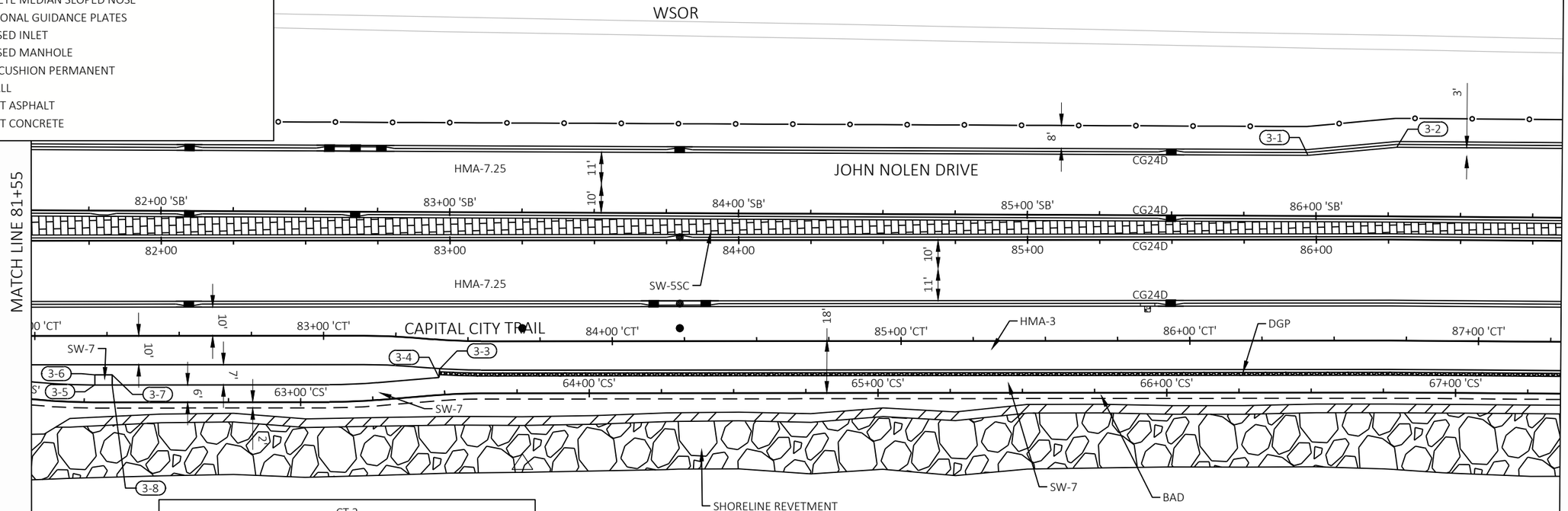
JND NB 2				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
2-5	78+98.97	23.18' RT	853.12	TAPER POINT
2-6	79+04.97	MATCH T	853.08	TAPER POINT
2-9	78+99.00	9.98' RT	853.36	PAVT EDGE
2-10	78+94.00	MATCH	853.38	PAVT EDGE
2-11	78+94.01	MATCH	853.19	PAVT EDGE
2-20	78+79.97	MATCH T	853.24	TAPER POINT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 101	E

2

LEGEND	
BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▩	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

JND SB 3				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
3-1	85+97.16	21.00' LT	851.45	TAPER POINT
3-2	86+27.76	24.00' LT	851.54	TAPER POINT



CT 3				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
3-3	83+40.93	10.00' RT	850.78	PAVT EDGE
3-4	83+40.93	13.02' RT	850.73	PAVT EDGE
3-5	82+20.74	17.00' RT	851.27	PAVT EDGE
3-6	82+20.74	13.50' RT	851.32	PAVT EDGE
3-7	82+26.74	13.50' RT	851.29	PAVT EDGE
3-8	82+26.74	17.00' RT	851.24	PAVT EDGE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 102	E

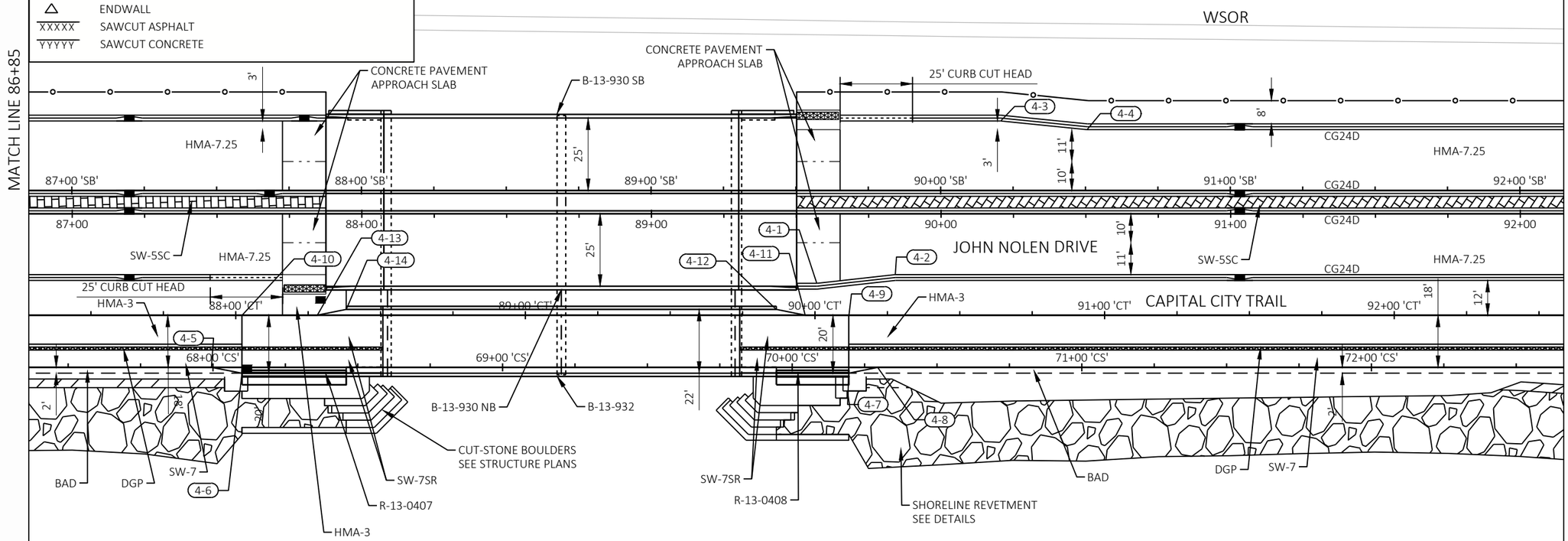
LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▩	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

JND NB 4				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
4-1	89+57.14	24.00' RT	853.19	TAPER POINT
4-2	89+84.14	21.00' RT	853.21	TAPER POINT

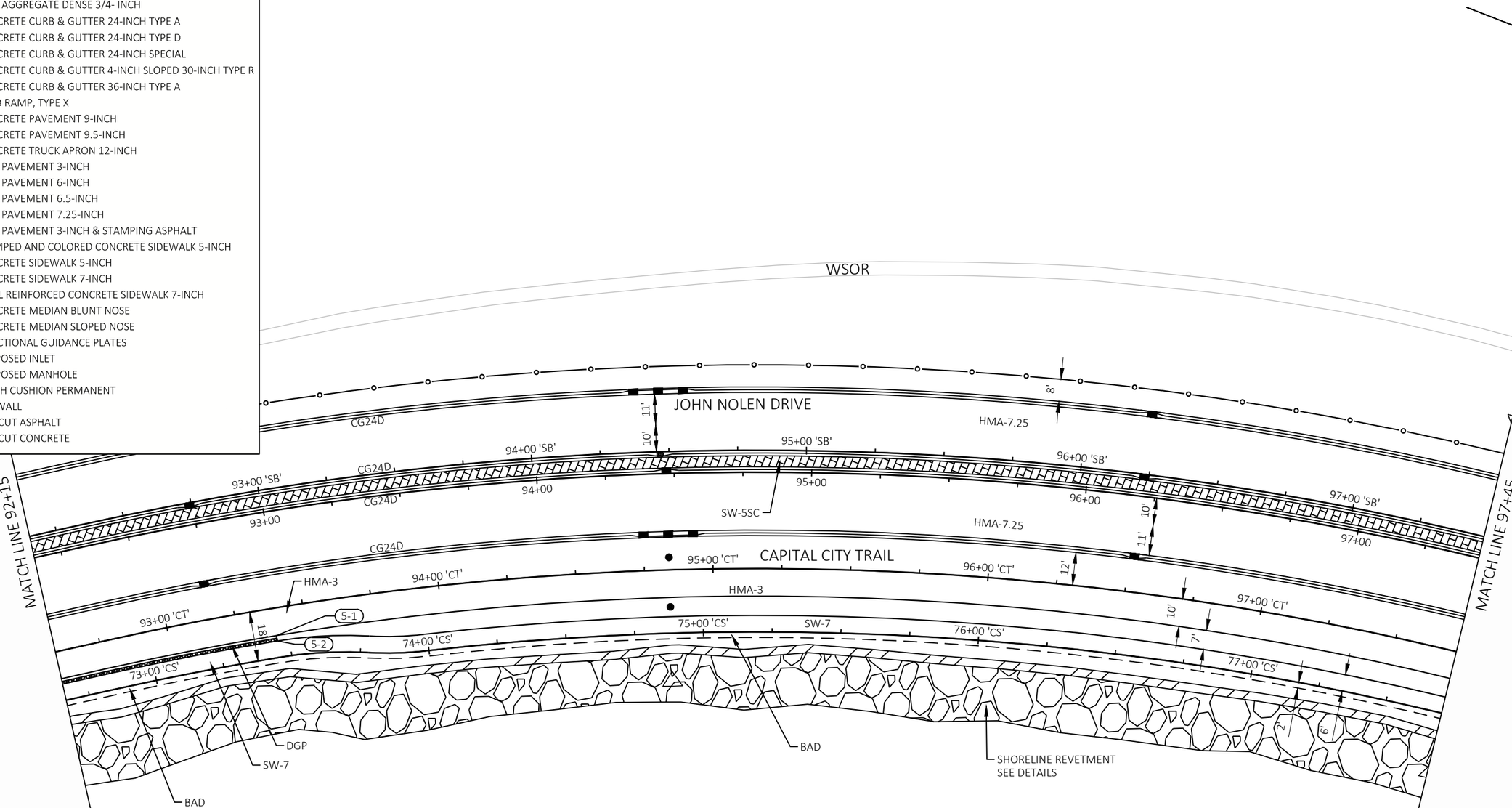
JND SB 4				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
4-3	90+20.68	24.00' LT	852.97	TAPER POINT
4-4	90+50.50	21.01' LT	852.88	TAPER POINT

CT 4				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
4-5	87+91.68	18.00' RT	851.56	TAPER POINT
4-6	88+02.18	20.00' RT	851.78	TAPER POINT
4-7	90+11.68	20.00' RT	853.04	TAPER POINT
4-8	90+21.68	18.00' RT	852.82	TAPER POINT
4-9	90+11.68	0.00' LT	853.34	PAVT TYPE
4-10	88+02.18	0.00' LT	852.08	PAVT TYPE
4-11	89+96.68	0.00' LT	853.51	TAPER POINT
4-12	89+86.68	2.00' LT	853.52	TAPER POINT
4-13	88+28.18	0.00' LT	852.60	TAPER POINT
4-14	88+38.18	2.00' LT	852.73	TAPER POINT



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 103	E

LEGEND	
BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▩	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

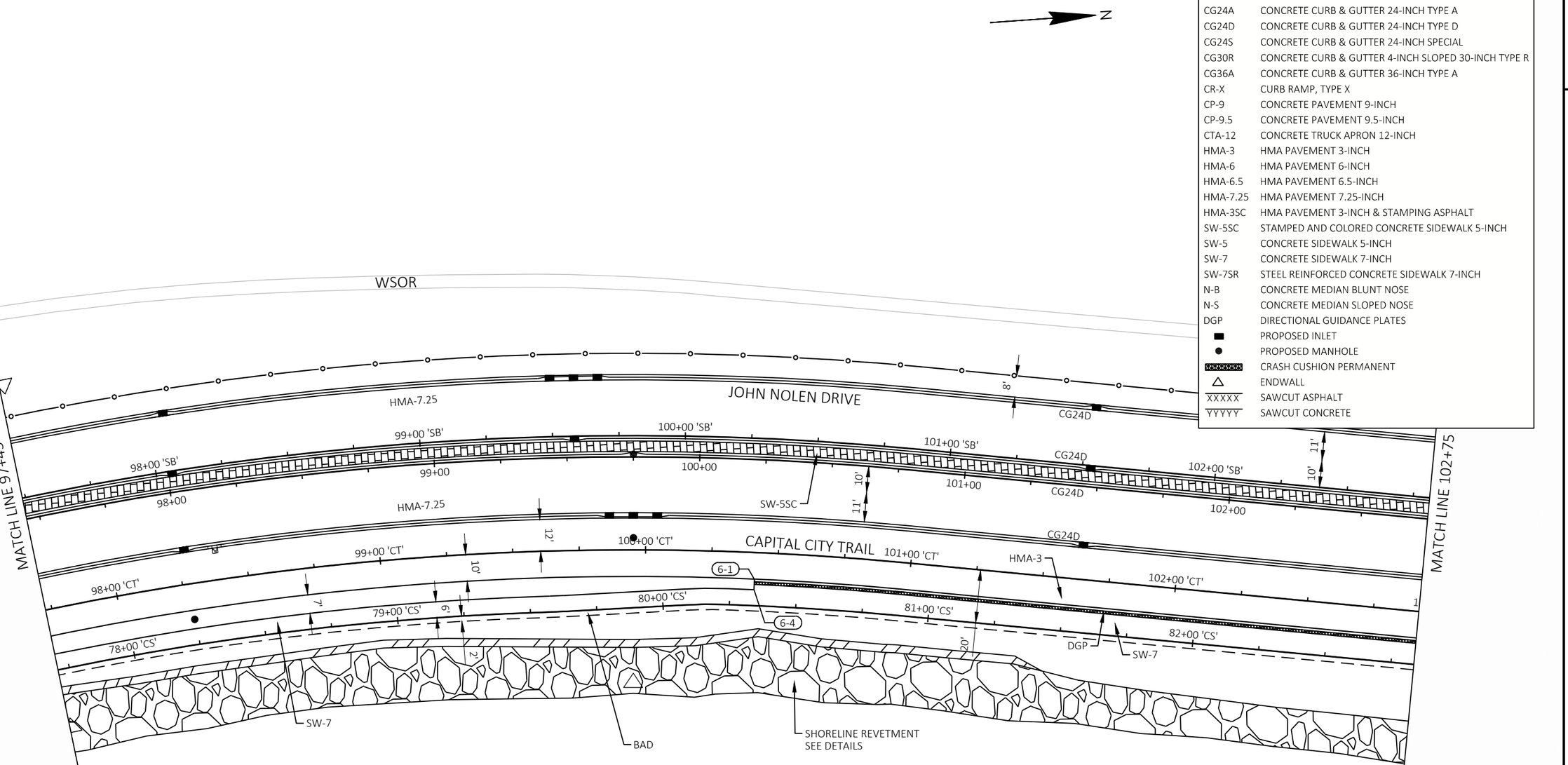


CT 5				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
5-1	93+38.86	10.00' RT	850.83	PAVT EDGE
5-2	93+38.86	12.00' RT	850.80	PAVT EDGE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 104	E

2

LEGEND	
BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▬	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

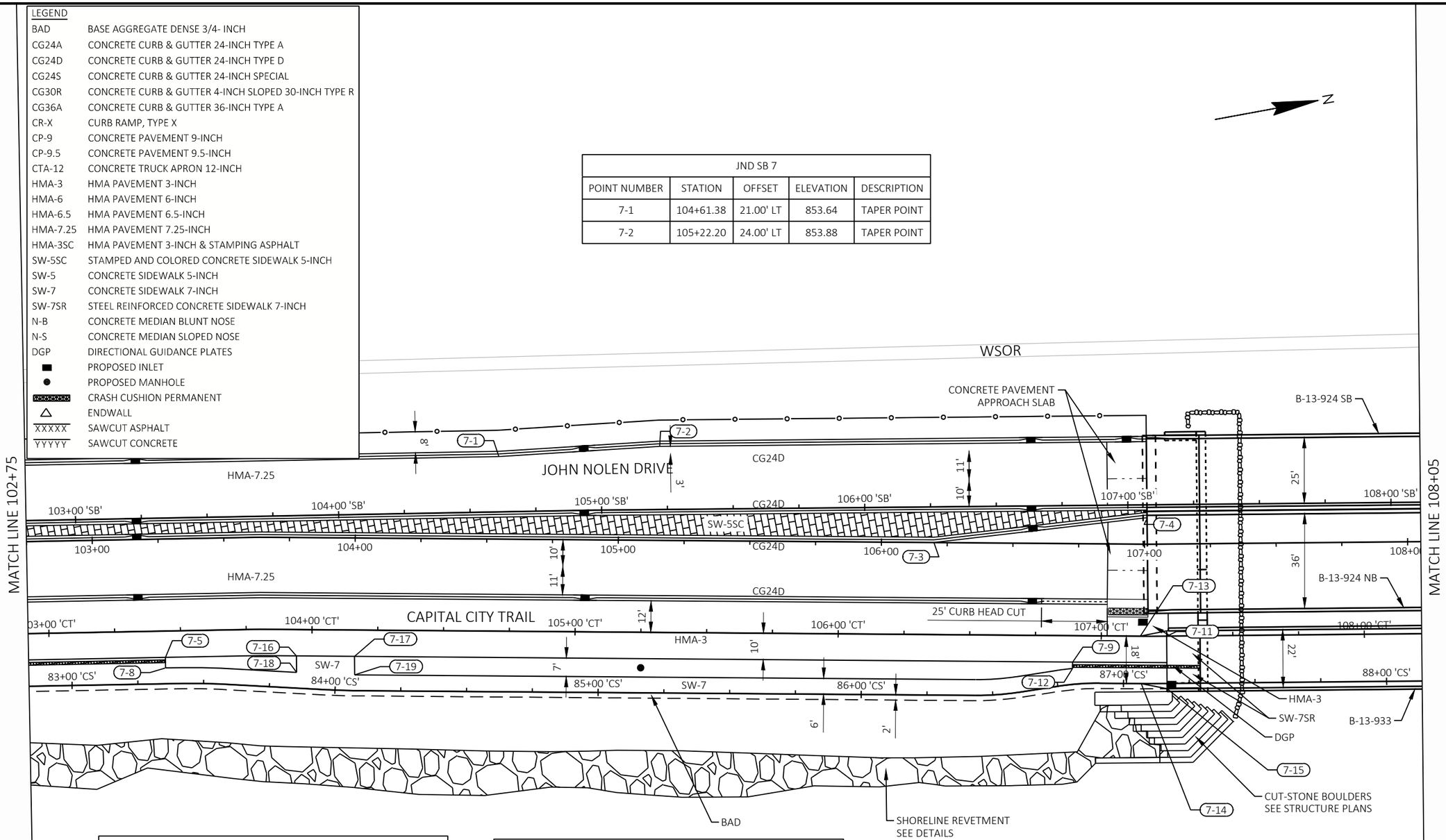


CT 6				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
6-1	100+41.43	10.00' RT	851.04	CURVE START
6-4	100+41.43	14.00' RT	850.98	CURVE END

2

LEGEND	
BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▬	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

JND SB 7				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
7-1	104+61.38	21.00' LT	853.64	TAPER POINT
7-2	105+22.20	24.00' LT	853.88	TAPER POINT



CT 7				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
7-5	103+44.11	10.00' RT	852.56	PAVT EDGE
7-8	103+44.11	14.00' RT	852.50	PAVT EDGE
7-9	106+89.21	10.00' RT	854.61	PAVT EDGE
7-11	107+24.83	0.00'	855.03	TAPER POINT
7-12	106+89.21	12.51' RT	854.57	PAVT EDGE
7-13	107+14.83	0.01' LT	854.98	TAPER POINT

CT 7				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
7-14	107+15.30	18.00' RT	854.71	TAPER POINT
7-15	107+24.83	20.00' RT	854.73	TAPER POINT
7-16	103+94.20	10.00' RT	852.81	PAVT EDGE
7-17	104+16.20	10.00' RT	852.92	PAVT EDGE
7-18	103+94.31	16.24' RT	852.56	PAVT EDGE
7-19	104+16.32	17.00' RT	852.64	PAVT EDGE

JND NB 7				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
7-3	106+20.00	0.00'	854.68	TAPER POINT
7-4	107+00.86	9.98' LT	855.28	TAPER POINT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 106	E

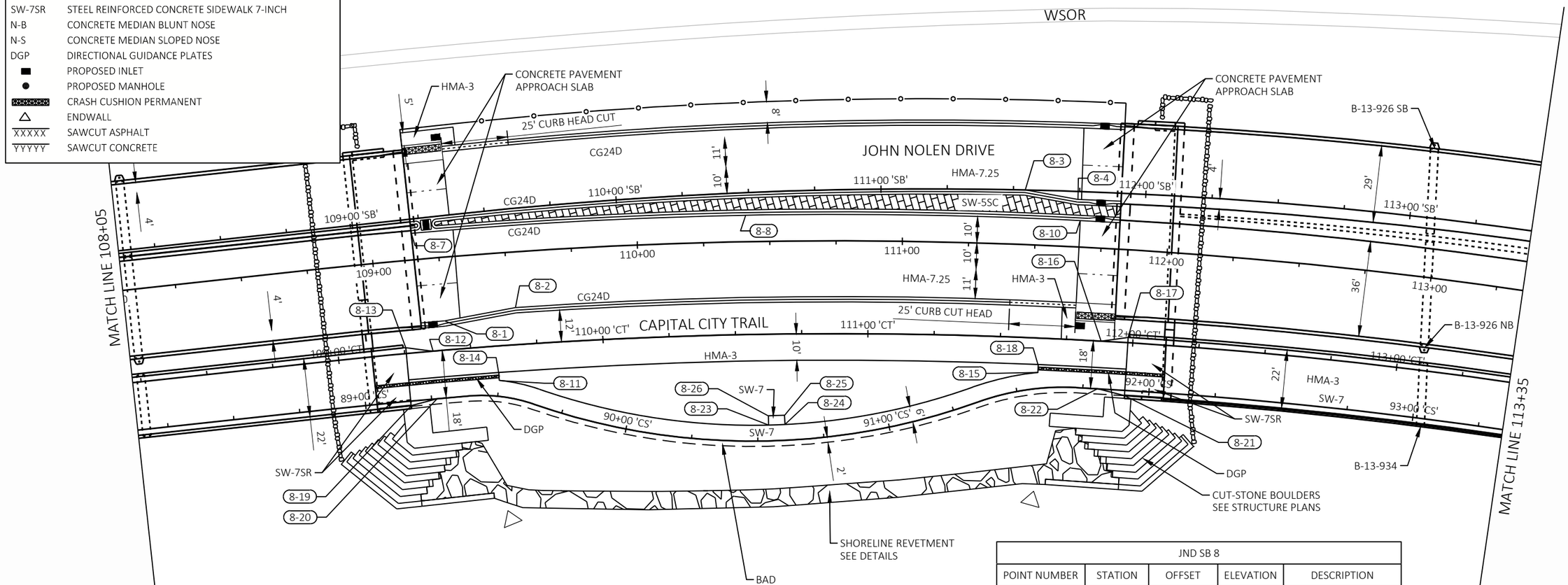
2

LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
	PROPOSED INLET
	PROPOSED MANHOLE
	CRASH CUSHION PERMANENT
	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

CT 8				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
8-11	109+59.89	13.02' RT	855.89	PAVT EDGE
8-12	109+35.68	0.00' LT	856.17	TAPER POINT
8-13	109+25.65	2.22' LT	856.98	TAPER POINT
8-14	109+59.89	10.00' RT	855.93	PAVT EDGE
8-15	111+64.95	12.99' RT	854.75	PAVT EDGE
8-16	111+88.07	0.00' RT	854.81	TAPER POINT
8-17	111+98.12	2.00' LT	854.83	TAPER POINT
8-18	111+64.64	10.00' RT	854.80	PAVT EDGE

CT 8				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
8-19	109+25.65	19.78' RT	855.81	TAPER POINT
8-20	109+35.72	18.00' RT	855.90	TAPER POINT
8-21	111+98.12	20.00' RT	854.44	TAPER POINT
8-22	111+87.73	18.00' RT	854.55	TAPER POINT
8-23	110+62.03	34.28' RT	854.40	PAVT EDGE
8-24	110+68.34	34.14' RT	854.37	PAVT EDGE
8-25	110+68.20	30.64' RT	854.51	PAVT EDGE
8-26	110+62.00	30.78' RT	854.54	PAVT EDGE

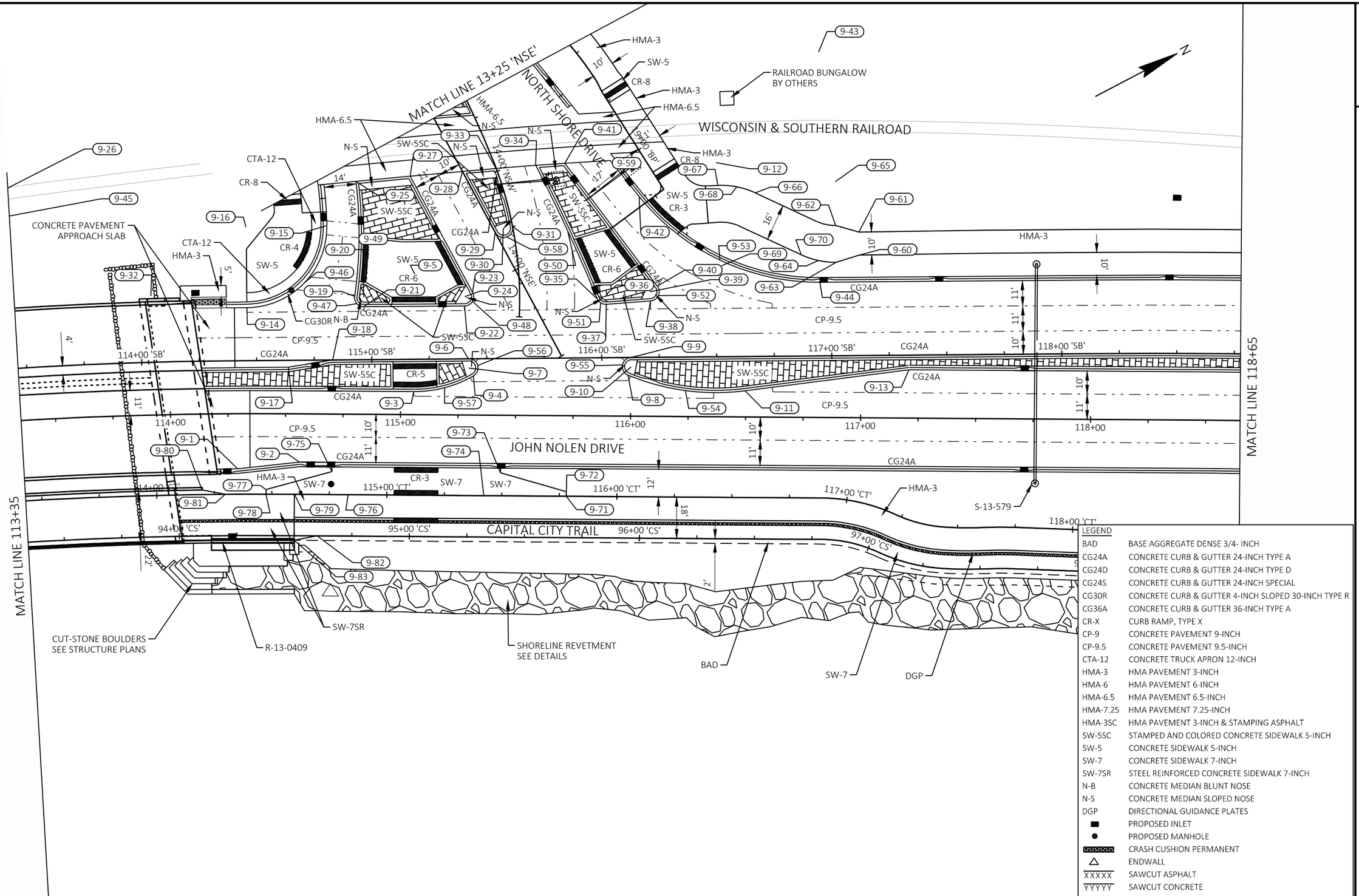


JND NB 8				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
8-1	109+25.15	24.00' RT	855.72	TAPER POINT
8-2	109+52.47	21.00' RT	855.92	TAPER POINT

JND SB 8				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
8-3	111+54.39	0.00'	855.62	TAPER POINT
8-4	111+74.39	3.00' RT	855.54	TAPER POINT
8-7	109+21.74	5.33' RT	856.36	CURVE START
8-8	110+48.53	8.52' RT	856.56	CURVE MIDDLE
8-9	108+86.95	1815.00' RT	---	CENTER 1810' RADIUS
8-10	111+75.62	10.91' RT	855.68	CURVE END

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 107	E

2



LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▬	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 108	E

JND NB 9				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
9-1	114+29.07	24.00' RT	853.17	TAPER POINT
9-2	114+56.33	21.00' RT	853.11	TAPER POINT
9-3	115+05.73	10.00' LT	853.64	CURVE START
9-4	115+31.49	16.98' LT	853.79	PCC
9-5	115+05.73	61.00' LT	---	CENTER 51' RADIUS
9-6	115+29.41	24.43' LT	853.70	CURVE END
9-7	115+29.47	20.43' LT	---	CENTER 4' RADIUS
9-8	115+98.72	17.82' LT	854.14	PCC
9-9	116+00.16	25.53' LT	854.06	CURVE START
9-10	116+00.22	21.53' LT	---	CENTER 4' RADIUS
9-11	116+49.69	11.38' LT	854.33	TAPER POINT
9-12	116+36.32	110.49' LT	---	CENTER 100' RADIUS
9-13	117+20.93	21.00' LT	853.54	TAPER POINT
9-54	116+23.79	11.27' LT	854.24	CURVE MIDDLE
9-57	115+19.07	11.78' LT	853.72	CURVE MIDDLE

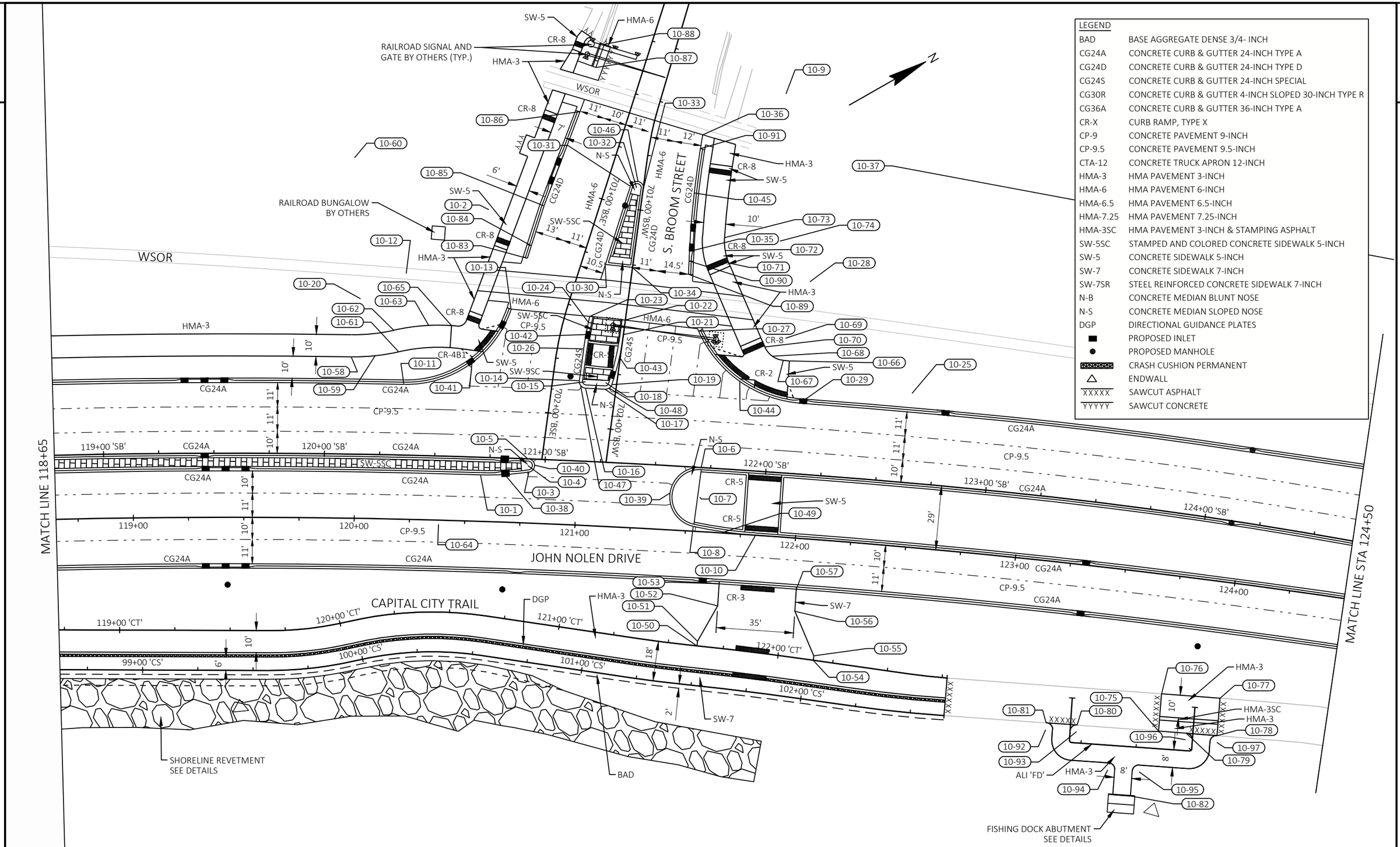
CT 9				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
9-71	115+78.00	0.00'	854.03	PAVT EDGE
9-72	115+78.00	2.00' LT	854.05	PAVT EDGE
9-73	115+49.33	10.00' LT	853.98	PAVT EDGE
9-74	115+42.17	0.00'	853.84	PAVT TYPE
9-75	114+76.05	10.00' LT	853.52	PAVT EDGE
9-76	114+83.17	0.00' RT	853.46	PAVT TYPE
9-77	114+47.49	2.00' LT	853.28	PAVT EDGE
9-78	114+47.50	0.00' LT	853.18	PAVT EDGE
9-79	114+59.82	0.00'	853.25	PAVT TYPE
9-80	114+19.71	1.99' LT	853.23	TAPER POINT
9-81	114+29.78	0.00'	853.12	TAPER POINT
9-82	114+69.82	18.00' RT	853.07	TAPER POINT
9-83	114+59.82	19.99' RT	852.95	TAPER POINT

JND SB 9				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
9-14	114+45.88	23.00' LT	853.13	CURVE START
9-15	114+80.88	58.43' LT	853.26	PCC
9-16	114+45.88	58.00' LT	---	CENTER 35' RADIUS
9-17	114+63.77	3.00' RT	853.50	TAPER POINT
9-18	114+82.98	0.00'	853.41	TAPER POINT
9-19	114+92.77	27.59' LT	853.18	PCC
9-20	114+96.73	27.00' LT	---	CENTER 4' RADIUS
9-21	114+96.73	23.00' LT	853.21	CURVE END
9-22	115+40.51	23.00' LT	853.46	CURVE START
9-23	115+44.05	28.86' LT	853.41	CURVE END
9-24	115+40.51	27.00' LT	---	CENTER 4' RADIUS
9-25	114+93.71	77.54' LT	853.33	CURVE START
9-26	113+07.14	61.37' LT	---	CENTER 194' RADIUS
9-27	115+17.35	79.59' LT	853.35	PAVT EDGE
9-28	115+40.09	81.48' LT	853.34	PAVT EDGE
9-29	115+54.14	54.77' LT	853.33	CURVE START
9-30	115+57.68	56.64' LT	---	CENTER 4' RADIUS
9-31	115+61.61	57.38' LT	853.35	CURVE END
9-32	114+04.79	28.69' LT	---	CENTER 134' RADIUS
9-33	115+54.75	82.64' LT	853.33	PAVT EDGE

JND SB 9				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
9-34	115+71.97	83.86' LT	853.35	CURVE START
9-35	115+98.16	25.71' LT	853.72	PCC
9-36	116+01.87	27.19' LT	---	CENTER 4' RADIUS
9-37	116+02.14	23.20' LT	853.77	CURVE END
9-38	116+21.38	24.51' LT	853.85	CURVE START
9-39	116+21.11	28.50' LT	---	CENTER 4' RADIUS
9-40	116+24.33	30.87' LT	853.76	CURVE END
9-41	115+84.61	84.65' LT	853.36	PAVT EDGE
9-42	116+16.82	69.94' LT	853.52	CURVE START
9-43	116+95.23	132.00' LT	---	CENTER 98' RADIUS
9-44	116+95.05	31.90' LT	853.13	CURVE END
9-45	113+05.65	61.63' LT	---	CENTER 194' RADIUS
9-46	114+70.78	33.41' LT	853.15	CURVE MIDDLE
9-47	114+93.70	24.39' LT	853.41	PCC
9-48	115+43.93	24.93' LT	853.65	CURVE MIDDLE
9-49	114+94.85	52.53' LT	853.49	CURVE MIDDLE
9-50	115+85.69	55.07' LT	853.49	PCC
9-51	115+99.74	23.80' LT	853.79	CURVE MIDDLE
9-52	116+24.74	26.82' LT	854.04	CURVE MIDDLE
9-53	116+51.67	41.98' LT	853.31	CURVE MIDDLE

JND SB 9				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
9-55	116+08.93	3.20' RT	854.07	CURVE MIDDLE
9-56	115+45.95	2.97' RT	853.75	CURVE MIDDLE
9-58	115+59.00	52.86' LT	853.67	CURVE MIDDLE
9-59	116+05.25	84.55' LT	853.42	TAPER POINT
9-60	117+12.25	43.68' LT	853.69	TAPER POINT
9-61	117+12.19	53.68' LT	853.84	TAPER POINT
9-62	117+02.17	56.62' LT	853.92	TAPER POINT
9-63	117+02.27	40.62' LT	853.68	CURVE START
9-64	116+94.48	41.45' LT	853.74	CURVE MIDDLE
9-65	117+02.06	75.62' LT	---	CENTER 35' RADIUS
9-66	116+67.24	71.09' LT	854.27	CURVE START
9-67	116+51.12	74.45' LT	853.82	CURVE END
9-68	116+59.38	73.73' LT	854.00	CURVE MIDDLE
9-69	116+52.25	39.47' LT	---	CENTER 35' RADIUS
9-70	116+87.07	43.99' LT	853.81	CURVE END

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 110	E

JND NB 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-1	120+56.52	21.00' LT	852.98	CURVE START
10-2	120+56.52	141.00' LT	---	CENTER 120' RADIUS
10-3	120+78.11	23.05' LT	852.98	PCC
10-4	120+77.55	26.00' LT	---	CENTER 3' RADIUS
10-5	120+77.55	29.00' LT	852.81	CURVE END
10-6	121+55.46	29.00' LT	852.42	CURVE START
10-7	121+55.46	15.50' LT	---	CENTER 3' RADIUS
10-8	121+53.44	2.15' LT	852.72	PCC
10-9	121+81.89	200.00' LT	---	CENTER 200' RADIUS
10-10	121+81.89	0.00'	852.60	CURVE END
10-38	120+67.36	21.51' LT	852.96	CURVE MIDDLE
10-39	121+42.06	16.54' LT	852.78	CURVE MIDDLE
10-49	121+67.62	0.54' LT	852.67	CURVE MIDDLE

JND SB 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-11	120+35.27	32.00' LT	852.63	CURVE START
10-12	120+35.27	82.00' LT	---	CENTER 50' RADIUS
10-13	120+82.10	67.41' LT	852.43	CURVE END
10-14	121+13.81	36.27' LT	852.36	CURVE START
10-15	121+16.77	36.00' LT	---	CENTER 3' RADIUS
10-16	121+16.77	33.00' LT	852.52	CURVE END
10-17	121+25.52	33.00' LT	852.66	CURVE START
10-18	121+25.52	36.00' LT	852.74	PCC
10-19	121+28.37	35.17' LT	852.29	PCC
10-20	120+15.31	70.25' LT	---	CENTER 120' RADIUS
10-21	121+32.54	58.03' LT	852.32	CURVE END
10-22	121+33.10	64.65' LT	852.34	PAVT EDGE
10-23	121+17.16	65.59' LT	852.34	PAVT EDGE
10-24	121+16.67	62.87' LT	852.33	CURVE END
10-25	122+62.84	40.43' LT	---	CENTER 150' RADIUS
10-26	121+15.11	50.78' LT	852.29	CURVE START
10-27	121+65.82	61.49' LT	852.24	CURVE START
10-28	122+13.54	87.00' LT	---	CENTER 55' RADIUS
10-29	122+12.95	31.90' LT	851.89	CURVE END
10-40	120+95.15	2.72' RT	852.84	CURVE MIDDLE

JND NB 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-75	123+73.92	70.70' RT	850.22	PAVT EDGE
10-76	123+73.19	53.82' RT	850.57	PAVT EDGE
10-77	124+00.15	52.45' RT	850.61	PAVT EDGE
10-78	124+01.06	69.40' RT	850.26	PAVT EDGE

CT 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-50	121+63.09	0.03' RT	851.86	CURVE START
10-51	121+63.09	2.00' LT	---	CENTER 15' RADIUS
10-52	121+70.36	18.99' LT	852.79	CURVE MIDDLE
10-53	121+69.90	28.96' LT	852.69	CURVE END
10-54	122+16.03	0.00'	851.30	CURVE END
10-55	122+16.09	2.00' LT	851.33	CURVE MIDDLE
10-56	122+04.85	20.86' LT	---	CENTER 20' RADIUS
10-57	122+04.19	30.83' LT	852.43	CURVE START

JND SB 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-41	120+65.55	42.20' LT	852.53	CURVE MIDDLE
10-42	121+15.72	57.24' LT	852.28	CURVE MIDDLE
10-43	121+31.22	47.71' LT	852.28	CURVE MIDDLE
10-44	121+85.54	39.96' LT	852.00	CURVE MIDDLE
10-47	121+14.57	33.98' LT	852.47	CURVE MIDDLE
10-48	121+27.30	33.60' LT	852.28	CURVE MIDDLE
10-58	120+11.49	44.00' LT	853.02	CURVE START
10-59	120+22.18	44.67' LT	853.15	CURVE MIDDLE
10-60	120+11.49	134.00' LT	---	CENTER 90' RADIUS
10-61	120+32.70	46.67' LT	853.31	CURVE END
10-62	120+30.29	56.37' LT	853.43	CURVE START
10-63	120+45.78	58.91' LT	853.11	CURVE MIDDLE
10-64	120+52.45	30.84' RT	---	CENTER 60' RADIUS
10-65	120+55.93	59.09' LT	852.73	CURVE END
10-66	122+07.11	50.75' LT	852.14	PAVT EDGE
10-67	122+04.33	50.79' LT	852.14	CURVE END
10-68	121+99.29	52.30' LT	852.15	CURVE MIDDLE
10-69	122+04.48	60.79' LT	---	CENTER 10' RADIUS
10-70	121+95.73	56.23' LT	852.24	CURVE START
10-71	121+77.40	93.08' LT	852.62	CURVE START

BS W 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-30	701+26.52	12.41' RT	852.37	PAVT EDGE
10-31	700+89.88	5.95' RT	852.40	CURVE START
10-32	700+90.41	3.00' RT	---	CENTER 3' RADIUS
10-33	700+90.41	0.00'	852.39	CURVE END
10-34	701+26.23	0.00'	852.38	PAVT EDGE
10-35	701+15.54	24.54' LT	852.25	CURVE END
10-36	700+60.02	22.67' LT	852.59	CURVE START
10-37	700+16.15	420.50' LT	---	CENTER 400' RADIUS
10-45	700+89.01	23.08' LT	852.28	CURVE MIDDLE
10-46	700+87.42	2.74' RT	852.43	CURVE MIDDLE
10-83	701+28.50	47.80' RT	852.46	START C&G
10-84	701+22.60	46.75' RT	852.44	C&G TAPER
10-85	701+04.01	43.48' RT	852.28	DEFLECTION
10-86	700+62.60	33.88' RT	852.37	END C&G
10-87	700+43.47	32.18' RT	852.04	START C&G
10-88	700+32.36	31.49' RT	851.84	END C&G
10-89	701+25.82	25.45' LT	852.32	START C&G
10-90	701+19.83	24.92' LT	852.28	C&G TAPER
10-91	700+67.44	22.95' LT	852.51	END C&G

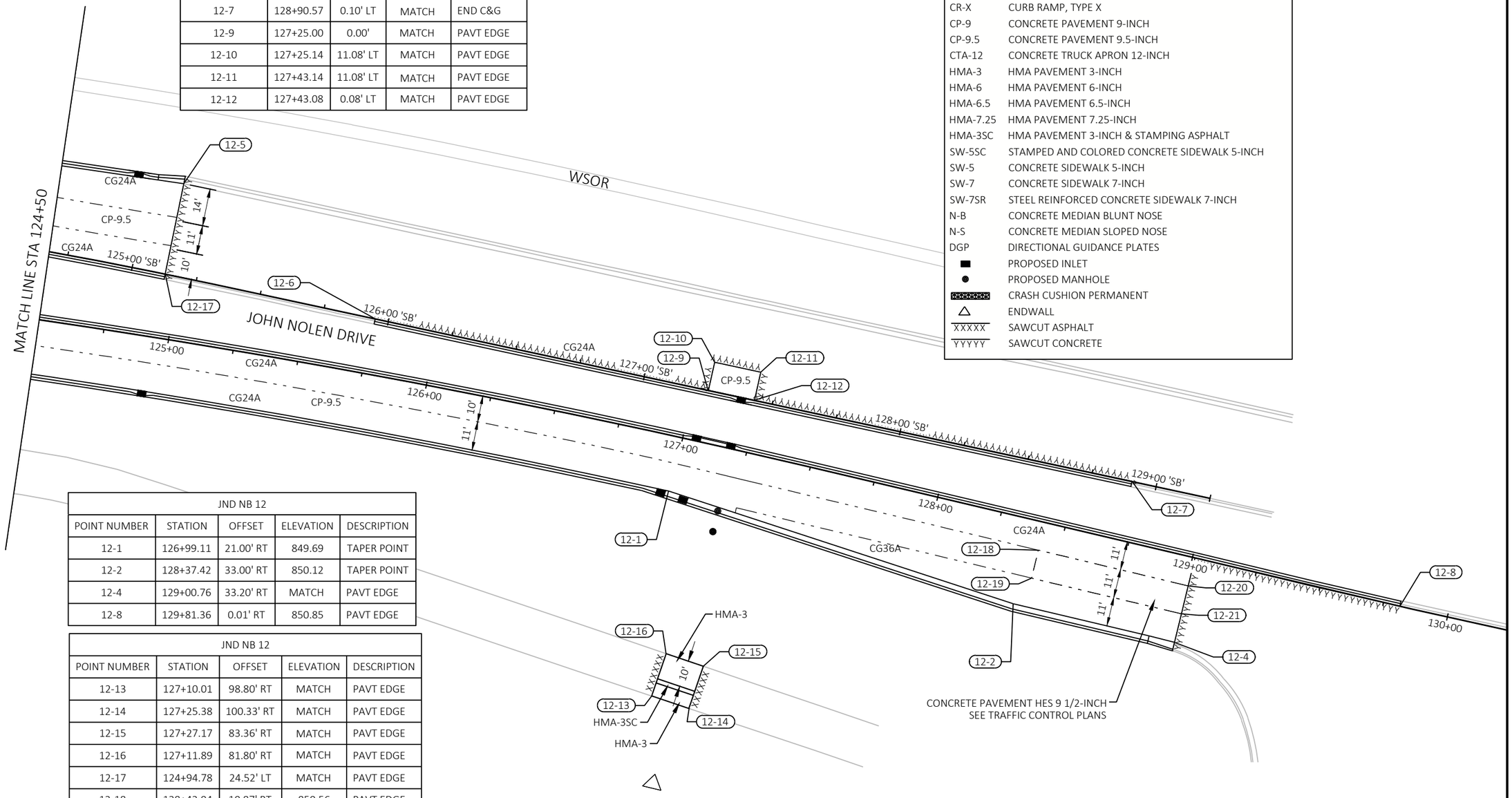
FD 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-79	415+82.65	3.00' LT	850.25	PAVT EDGE
10-80	415+12.00	3.00' LT	850.24	PAVT EDGE
10-81	415+12.00	11.00' RT	850.20	PAVT EDGE
10-82	415+49.06	22.22' RT	847.94	MATCH DOCK ABUTMENT
10-92	415+15.00	11.00' RT	---	CENTER 3' RADIUS
10-93	415+15.00	3.00' LT	---	CENTER 3' RADIUS
10-94	415+38.06	11.00' RT	---	CENTER 3' RADIUS
10-95	415+52.06	11.00' RT	---	CENTER 3' RADIUS
10-96	415+79.64	3.00' LT	---	CENTER 3' RADIUS
10-97	415+79.64	11.00' RT	---	CENTER 3' RADIUS

JND SB 10				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
10-72	121+75.45	98.59' LT	852.71	CURVE MIDDLE
10-73	121+74.79	104.41' LT	852.74	CURVE END
10-74	121+99.07	104.42' LT	---	CENTER 25' RADIUS

JND SB 12				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
12-5	125+12.84	35.27' LT	MATCH	TAPER POINT
12-6	125+94.87	0.07' LT	MATCH	BEGIN C&G
12-7	128+90.57	0.10' LT	MATCH	END C&G
12-9	127+25.00	0.00'	MATCH	PAVT EDGE
12-10	127+25.14	11.08' LT	MATCH	PAVT EDGE
12-11	127+43.14	11.08' LT	MATCH	PAVT EDGE
12-12	127+43.08	0.08' LT	MATCH	PAVT EDGE

LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▬	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE



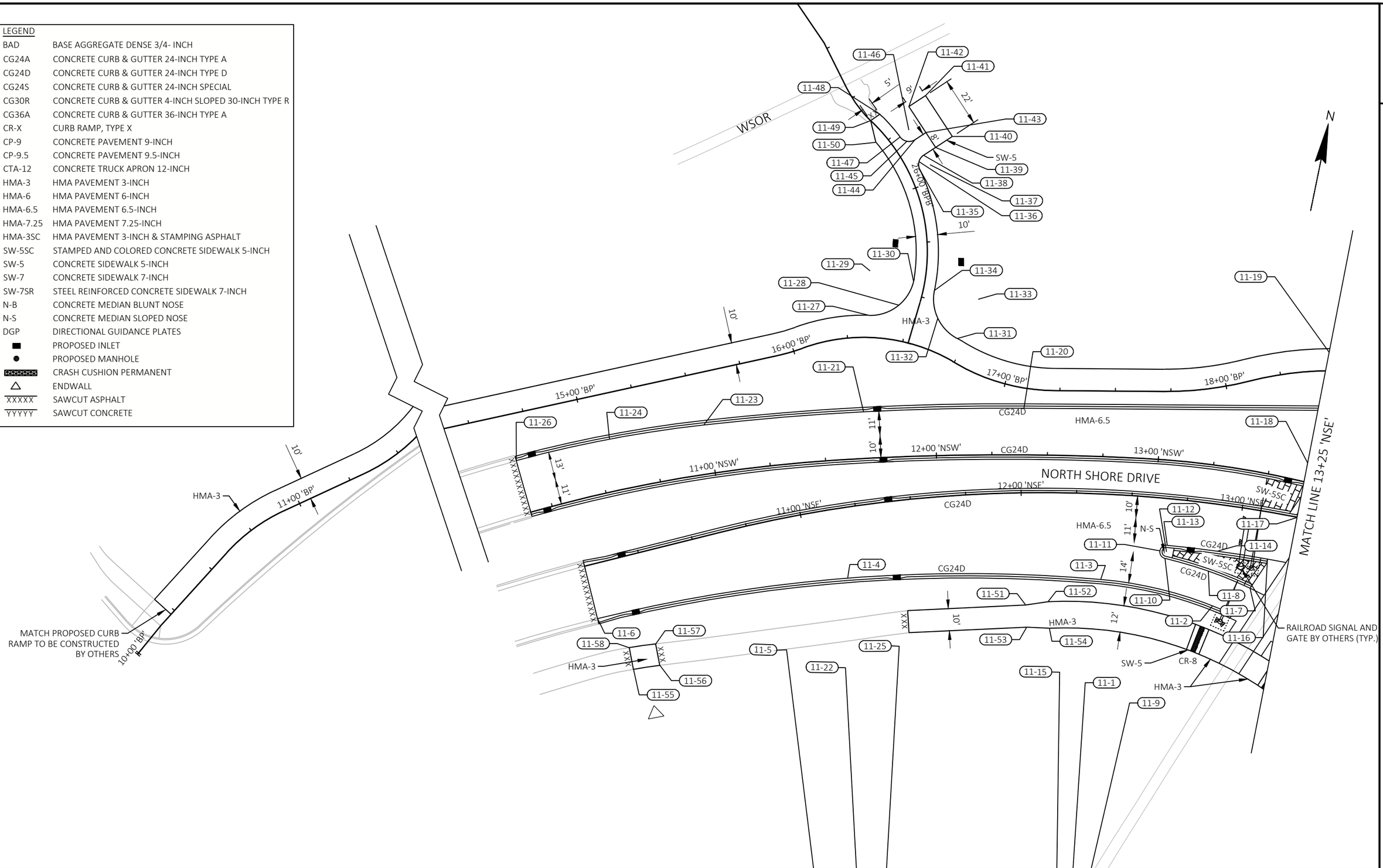
JND NB 12				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
12-1	126+99.11	21.00' RT	849.69	TAPER POINT
12-2	128+37.42	33.00' RT	850.12	TAPER POINT
12-4	129+00.76	33.20' RT	MATCH	PAVT EDGE
12-8	129+81.36	0.01' RT	850.85	PAVT EDGE

JND NB 12				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
12-13	127+10.01	98.80' RT	MATCH	PAVT EDGE
12-14	127+25.38	100.33' RT	MATCH	PAVT EDGE
12-15	127+27.17	83.36' RT	MATCH	PAVT EDGE
12-16	127+11.89	81.80' RT	MATCH	PAVT EDGE
12-17	124+94.78	24.52' LT	MATCH	PAVT EDGE
12-18	128+42.04	10.87' RT	850.56	PAVT EDGE
12-19	128+42.02	21.87' RT	850.34	PAVT EDGE
12-20	129+00.91	11.01' RT	MATCH	PAVT EDGE
12-21	129+00.98	22.01' RT	MATCH	PAVT EDGE

2

LEGEND

BAD	BASE AGGREGATE DENSE 3/4- INCH
CG24A	CONCRETE CURB & GUTTER 24-INCH TYPE A
CG24D	CONCRETE CURB & GUTTER 24-INCH TYPE D
CG24S	CONCRETE CURB & GUTTER 24-INCH SPECIAL
CG30R	CONCRETE CURB & GUTTER 4-INCH SLOPED 30-INCH TYPE R
CG36A	CONCRETE CURB & GUTTER 36-INCH TYPE A
CR-X	CURB RAMP, TYPE X
CP-9	CONCRETE PAVEMENT 9-INCH
CP-9.5	CONCRETE PAVEMENT 9.5-INCH
CTA-12	CONCRETE TRUCK APRON 12-INCH
HMA-3	HMA PAVEMENT 3-INCH
HMA-6	HMA PAVEMENT 6-INCH
HMA-6.5	HMA PAVEMENT 6.5-INCH
HMA-7.25	HMA PAVEMENT 7.25-INCH
HMA-3SC	HMA PAVEMENT 3-INCH & STAMPING ASPHALT
SW-5SC	STAMPED AND COLORED CONCRETE SIDEWALK 5-INCH
SW-5	CONCRETE SIDEWALK 5-INCH
SW-7	CONCRETE SIDEWALK 7-INCH
SW-7SR	STEEL REINFORCED CONCRETE SIDEWALK 7-INCH
N-B	CONCRETE MEDIAN BLUNT NOSE
N-S	CONCRETE MEDIAN SLOPED NOSE
DGP	DIRECTIONAL GUIDANCE PLATES
■	PROPOSED INLET
●	PROPOSED MANHOLE
▬	CRASH CUSHION PERMANENT
△	ENDWALL
XXXXX	SAWCUT ASPHALT
YYYYY	SAWCUT CONCRETE



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN DETAILS	SHEET 113 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 5/22/2025 5:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

NS E 11						
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	NORTHING	EASTING
11-1	12+26.06	218.27' RT	---	CENTER 180' RADIUS	479803.31	820583.83
11-2	12+92.79	45.68' RT	853.44	CURVE MIDDLE	479980.58	820615.03
11-3	12+37.73	38.49' RT	852.69	PCC	479982.14	820563.37
11-4	11+16.56	31.68' RT	851.24	CURVE MIDDLE	479959.84	820451.48
11-5	---	---	---	CENTER 690' RADIUS	479296.61	820641.80
11-6	---	---	850.79	CURVE START	479919.42	820344.79
11-7	13+09.42	35.28' RT	853.45	CURVE END	479991.73	820630.00
11-8	12+88.53	30.43' RT	853.47	CURVE MIDDLE	479995.53	820610.03
11-9	12+26.06	218.27' RT	---	CENTER 194' RADIUS	479803.31	820583.83
11-10	12+67.50	26.97' RT	853.23	PCC	479997.22	820589.77
11-11	12+64.81	23.79' RT	853.22	CURVE MIDDLE	480000.10	820586.87
11-12	12+67.91	24.11' RT	---	CENTER 3' RADIUS	480000.10	820589.86
11-13	12+67.92	21.00' RT	853.27	PCC	480003.20	820589.55
11-14	12+91.54	21.00' RT	853.39	CURVE MIDDLE	480005.14	820612.25
11-15	12+97.32	600.00' RT	---	CENTER 579' RADIUS	479427.38	820650.15
11-16	13+15.15	21.00' RT	853.41	CURVE END	480006.18	820635.02
11-17	13+25.29	0.00'	853.40	PAVT EDGE	480027.35	820644.60
11-18	13+32.20	15.87' LT	853.39	PAVT EDGE	480043.29	820651.36
11-51	12+01.42	50.52' RT	851.83	TAPER POIINT	479964.13	820532.55
11-52	12+12.27	49.09' RT	852.06	TAPER POINT	479967.56	820541.99
11-53	12+01.80	60.51' RT	851.69	TAPER POINT	479954.44	820535.02
11-54	12+12.96	61.08' RT	851.90	TAPER POINT	479955.93	820544.95

NS E 11				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
11-55	10+10.11	50.38' RT	849.80	PAVT EDGE
11-56	10+22.06	51.53' RT	849.90	PAVT EDGE
11-57	10+22.61	41.72' RT	850.17	PAVT EDGE
11-58	10+10.66	40.47' RT	850.10	PAVT EDGE

BP Basset				
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION
11-27	26+64.53	20.40' RT	850.20	CURVE END
11-28	26+56.35	8.88' RT	850.35	CURVE MIDDLE
11-29	26+41.93	25.00' RT	---	CENTER 20' RADIUS
11-30	26+43.54	5.04' RT	850.12	CURVE START
11-31	26+63.46	20.61' LT	851.10	CURVE END
11-32	26+57.12	9.67' LT	850.64	CURVE MIDDLE
11-33	26+45.88	25.00' LT	---	CENTER 20' RADIUS
11-34	26+45.88	5.00' LT	850.33	CURVE START
11-35	25+93.27	5.00' LT	849.49	CURVE START
11-36	25+90.22	6.30' LT	849.46	CURVE MIDDLE
11-37	25+93.27	10.00' LT	---	CENTER 5' RADIUS
11-38	25+88.83	9.46' LT	849.35	CURVE END
11-39	25+88.39	15.94' LT	849.47	PAVT EDGE
11-40	25+87.88	24.91' LT	849.56	PAVT EDGE
11-41	25+71.10	25.69' LT	849.78	PAVT EDGE
11-42	25+70.07	16.78' LT	849.69	PAVT EDGE
11-43	25+81.70	15.67' LT	849.55	PAVT EDGE
11-44	25+81.66	9.82' LT	849.47	CURVE START
11-45	25+80.38	6.42' LT	849.63	CURVE MIDDLE
11-46	25+77.21	10.00' LT	---	CENTER 5' RADIUS
11-47	25+77.21	5.00' LT	849.75	CURVE END
11-48	25+64.25	5.01' LT	850.30	PAVT EDGE
11-49	25+63.26	0.03' LT	850.25	TAPER POINT
11-50	25+72.21	5.00' RT	849.73	TAPER POINT

NS W 11						
POINT NUMBER	STATION	OFFSET	ELEVATION	DESCRIPTION	NORTHING	EASTING
11-19	13+86.52	38.71' LT	853.27	TAPER END	480080.99	820667.44
11-20	12+39.24	21.00' LT	853.12	TAPER START	480050.72	820513.93
11-21	11+68.27	21.00' LT	852.43	CURVE MIDDLE	480034.66	820443.53
11-22	---	---	---	CENTER 1221' RADIUS	479372.05	820601.94
11-23	10+98.12	22.08' LT	851.98	PCC	480014.47	820374.20
11-24	10+56.54	23.40' LT	851.85	CURVE MIDDLE	479999.66	820333.80
11-25	---	---	---	CENTER 560' RADIUS	479481.68	820546.63
11-26	10+15.00	24.00' LT	851.72	CURVE START	479981.68	820294.71

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N

WSOR

E LAKESIDE STREET

JOHN NOLEN DRIVE

72+00 'SB'

73+00 'SB'

74+00 'SB'

75+00 'SB'

76+00 'SB'

853.96

853.92

853.80

853.68

853.57

853.47

853.37

853.26

853.50

853.79

853.69

853.60

71+00

72+00

73+00

74+00

75+00

76+00

854.07

854.11

854.24

854.34

854.39

854.42

854.35

854.27

MATCH LINE 76+25

72+00 'CT'

73+00 'CT'

74+00 'CT'

75+00 'CT'

76+00 'CT'

CAPITAL CITY TRAIL

71+00 'CT'

70+00 'CT'

1.5%

0.2%

0.6%

1.5%

0.2%

1.5%

854.47

854.56

855.28

855.43

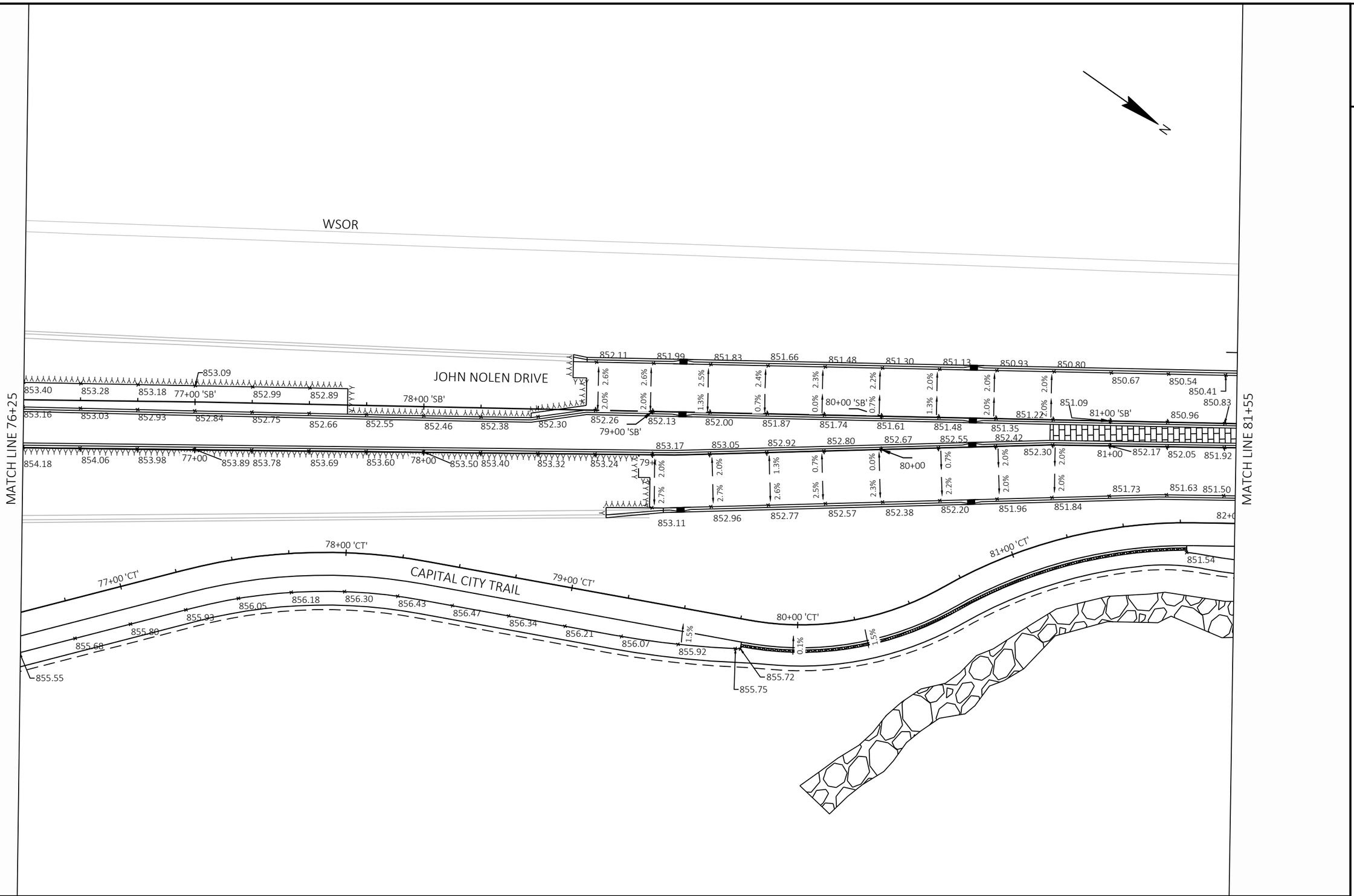
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 115	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 3:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

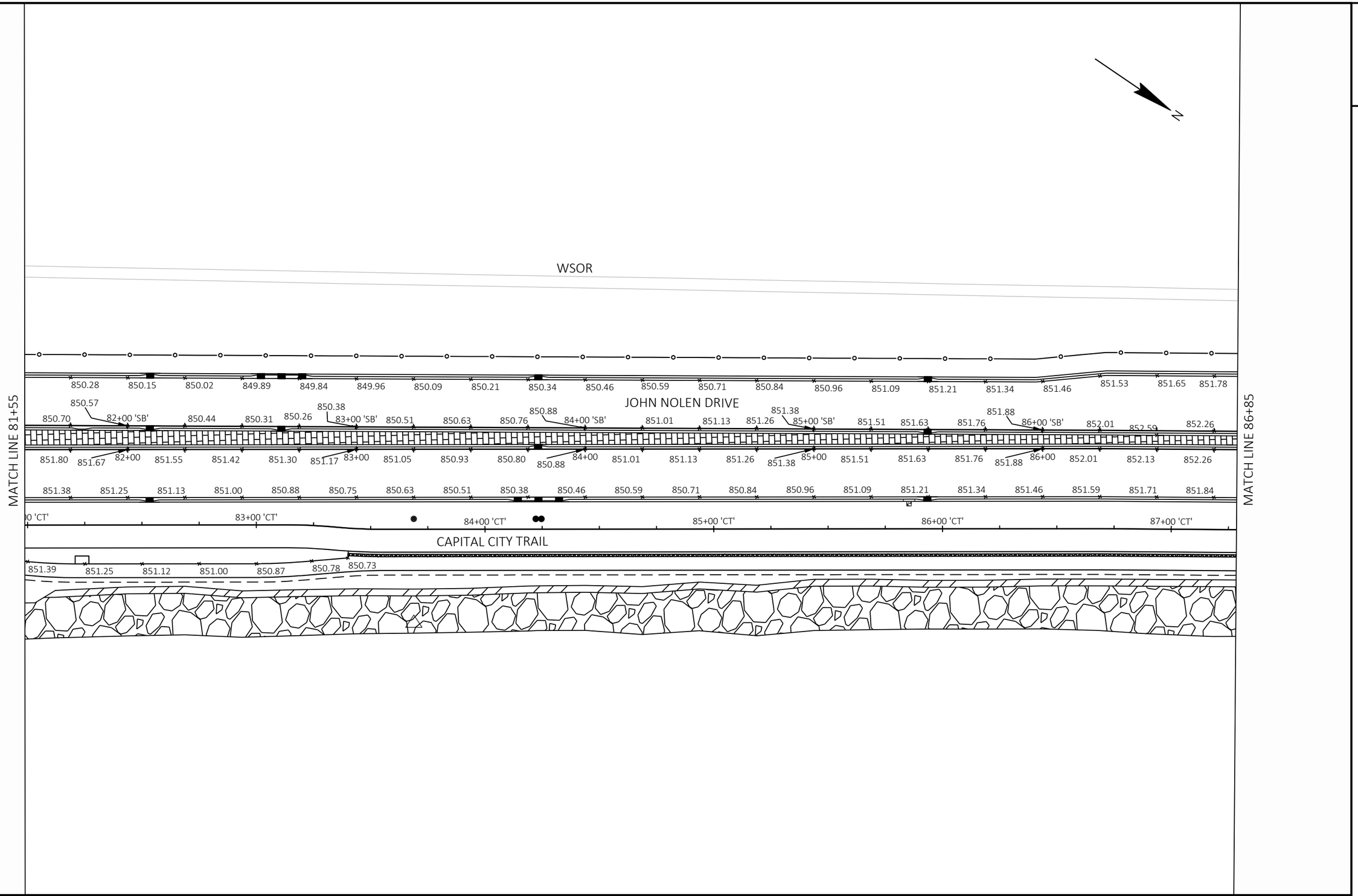
WISDOT/CADDS SHEET 42

2



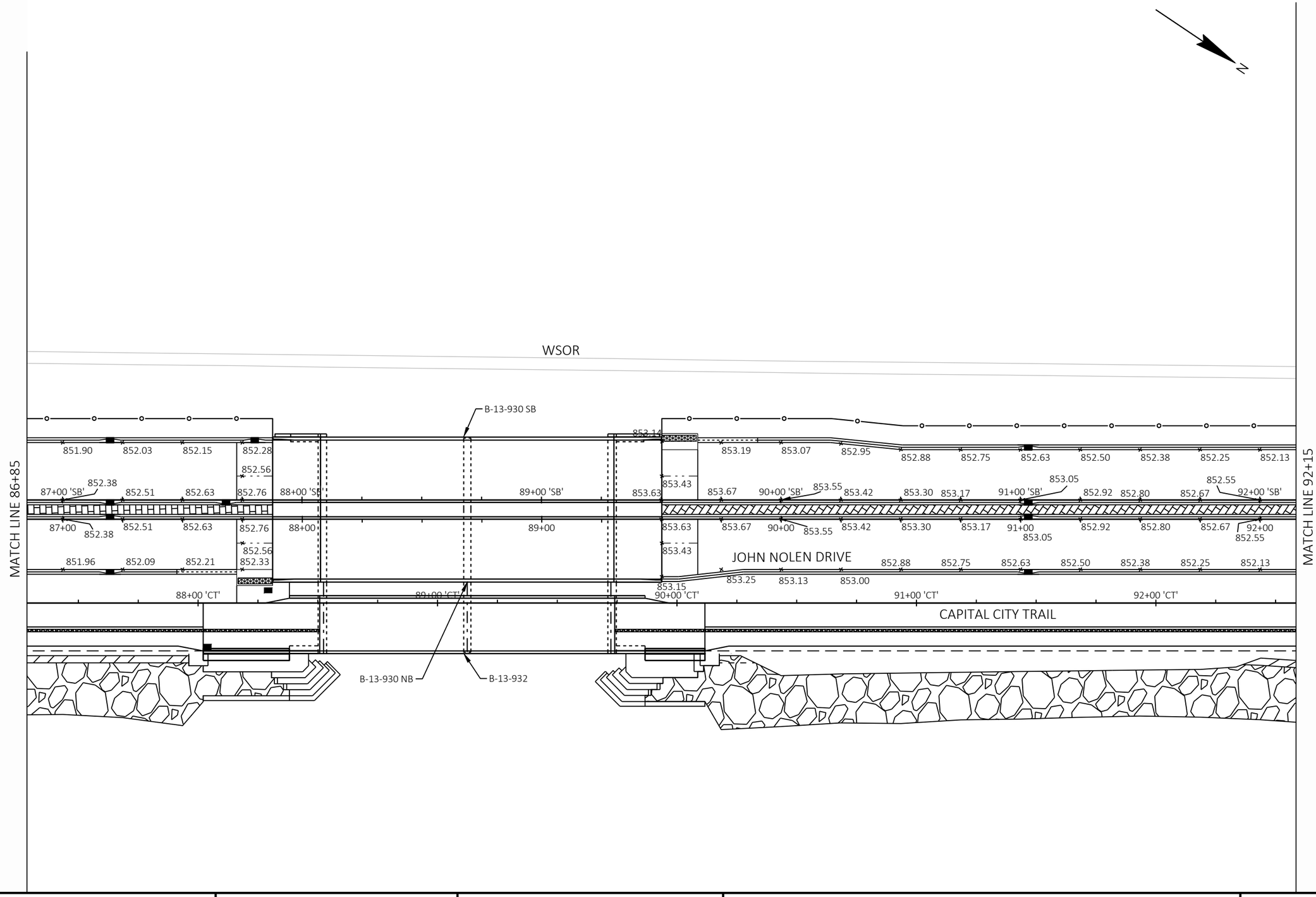
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 116 E

2



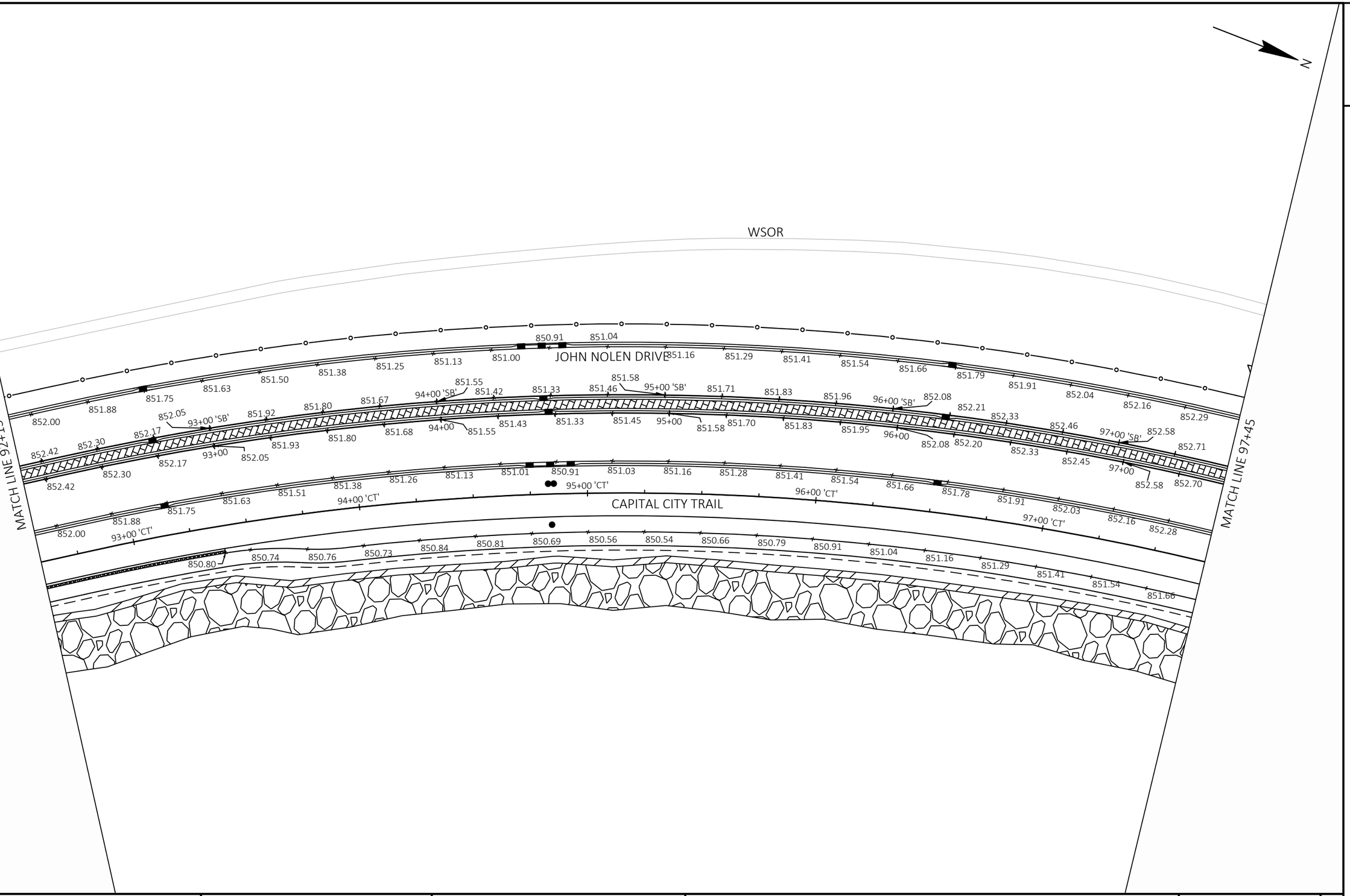
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 117	E

2



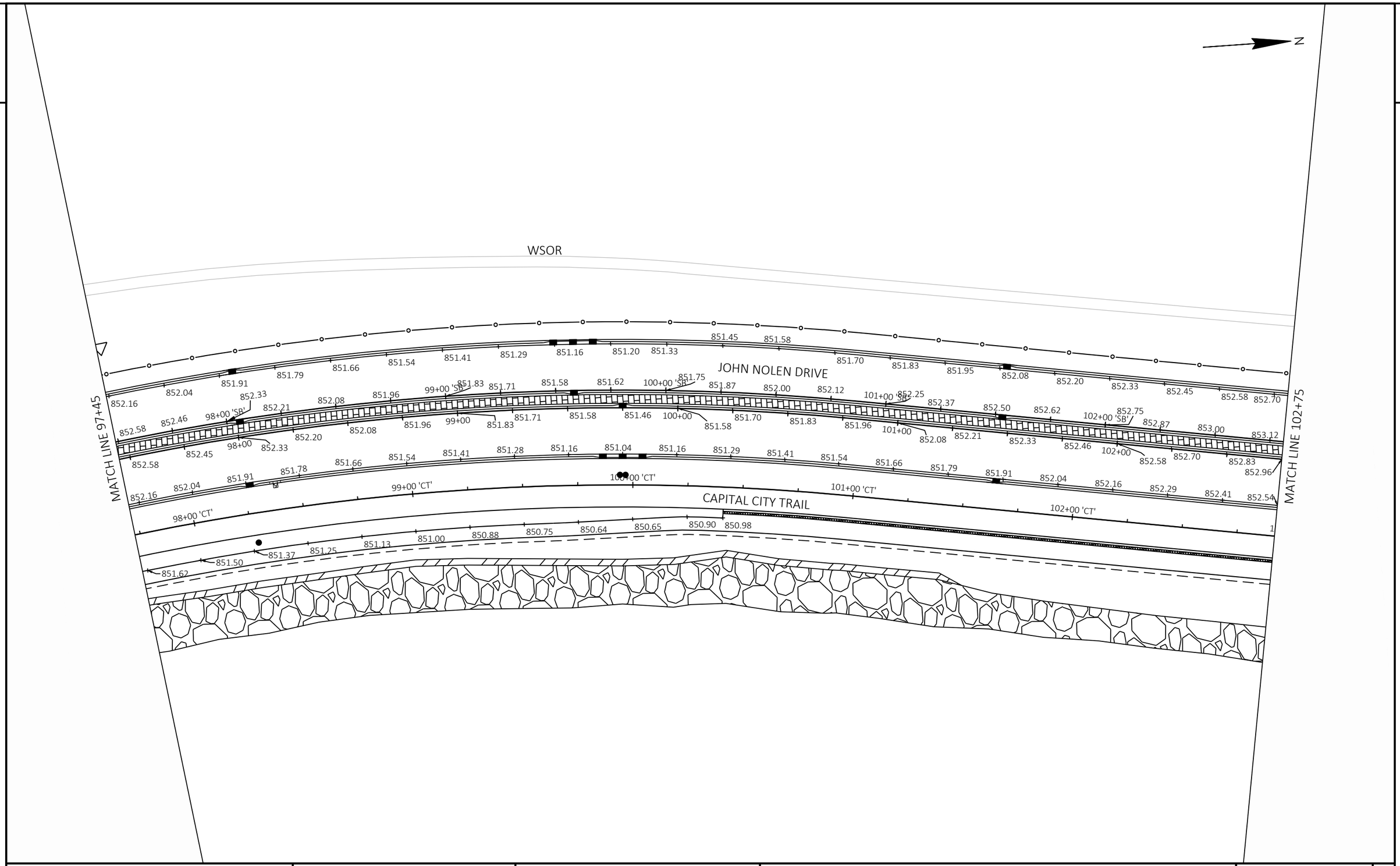
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 118	E

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 119	E

2

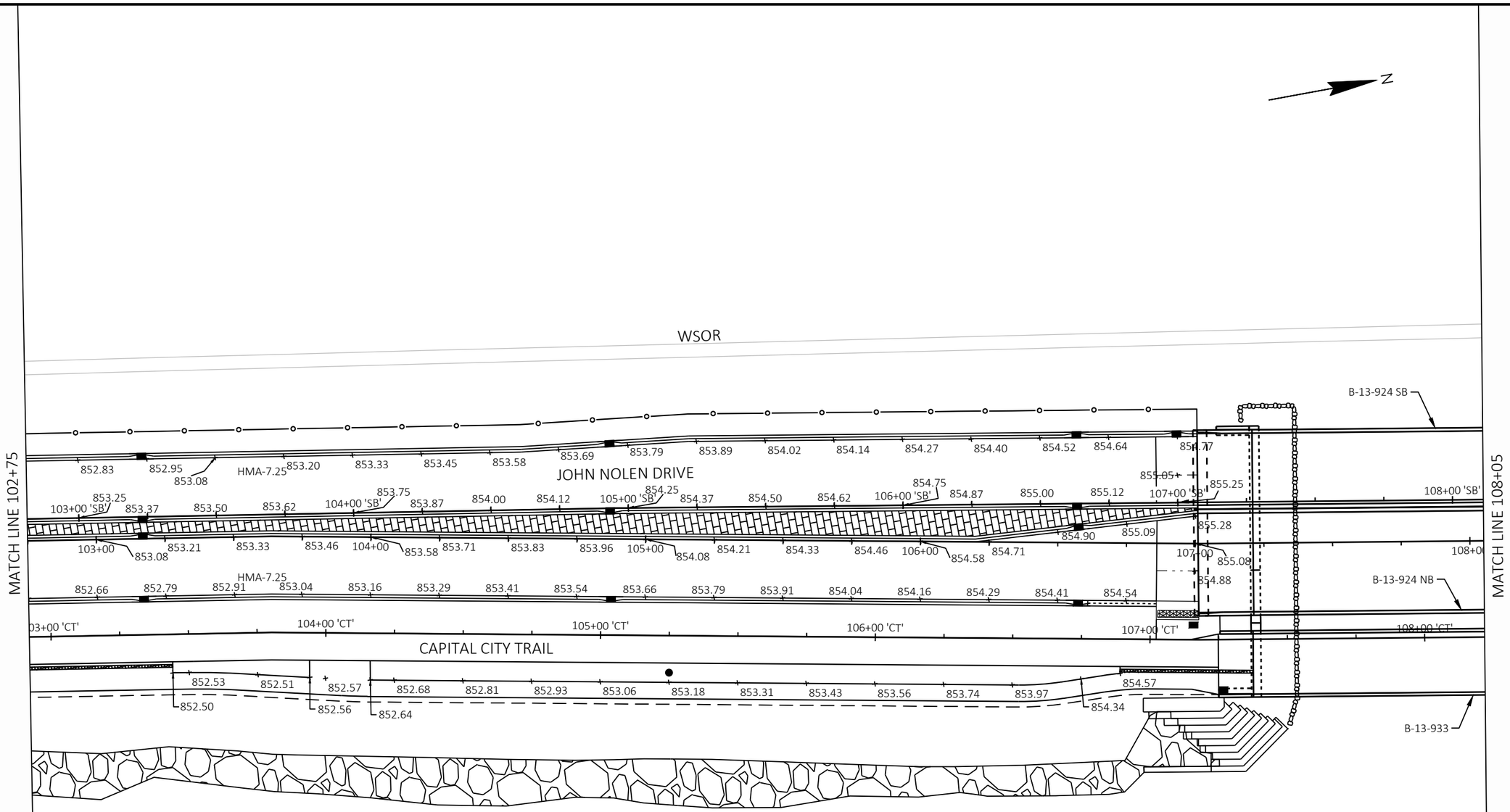


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 120	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 06

PLOT DATE : 5/23/2025 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 121	E

2

2

N

WSOR

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 108+05

MATCH LINE 113+35

B-13-926 SB

B-13-926 NB

B-13-934

856.02 856.14 856.22 856.04 855.87 855.69 855.52 855.34 855.17 854.99 854.88

856.17 856.50 856.62 856.70 856.52 856.35 856.17 856.00 855.82 855.65 855.27 855.16

856.37 856.53 856.66 856.78 856.67 856.50 856.32 856.15 855.97 855.80 855.62 855.42

856.41 856.33 855.42

856.21 855.22

856.01 855.91 856.04 856.16 856.05 855.88 855.70 855.53 855.35 855.18 855.00

855.72

855.89 855.63 855.07 854.71 854.47 854.34 854.33 854.43 854.75 854.70

109+00 'SB' 110+00 'SB' 111+00 'SB' 112+00 'SB' 113+00 'SB'

109+00 110+00 111+00 112+00 113+00

109+00 'CT' 110+00 'CT' 111+00 'CT' 112+00 'CT' 113+00 'CT'

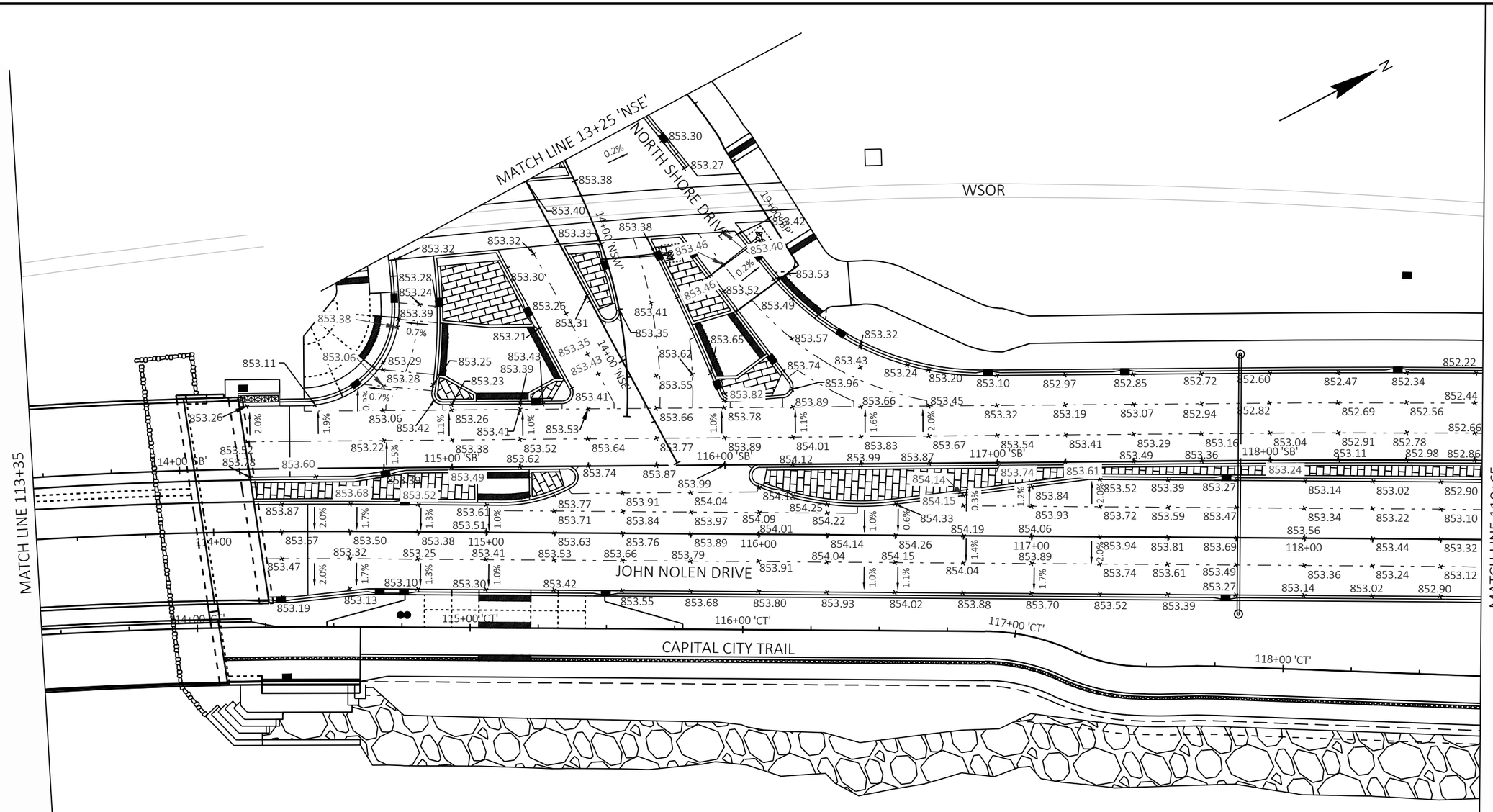
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 122	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 08

PLOT DATE : 5/23/2025 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 123 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 09

PLOT DATE : 5/23/2025 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

S. BROOM STREET

WSOR

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 118+65

MATCH LINE STA 124+50

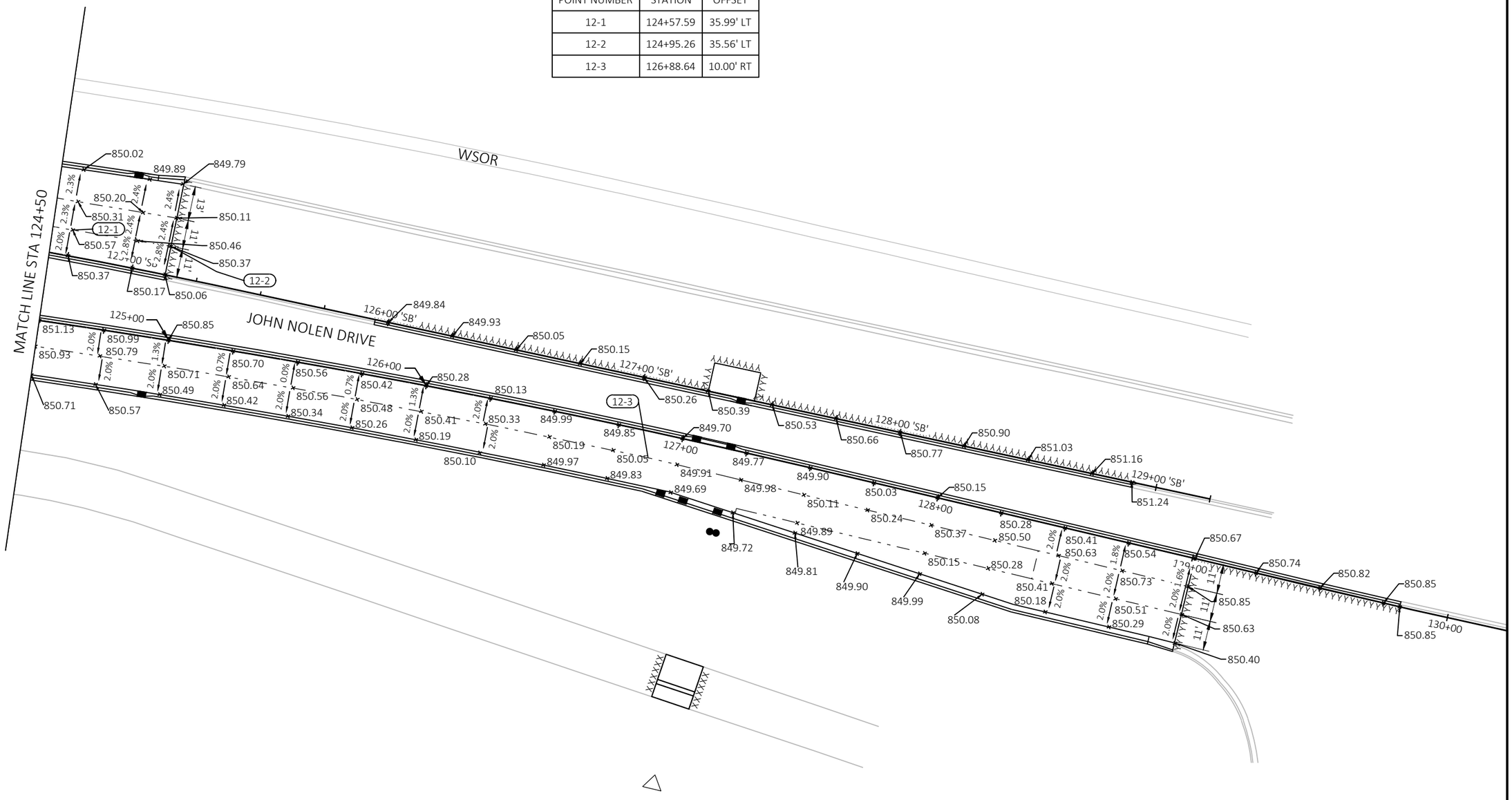
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 124	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

12		
POINT NUMBER	STATION	OFFSET
12-1	124+57.59	35.99' LT
12-2	124+95.26	35.56' LT
12-3	126+88.64	10.00' RT



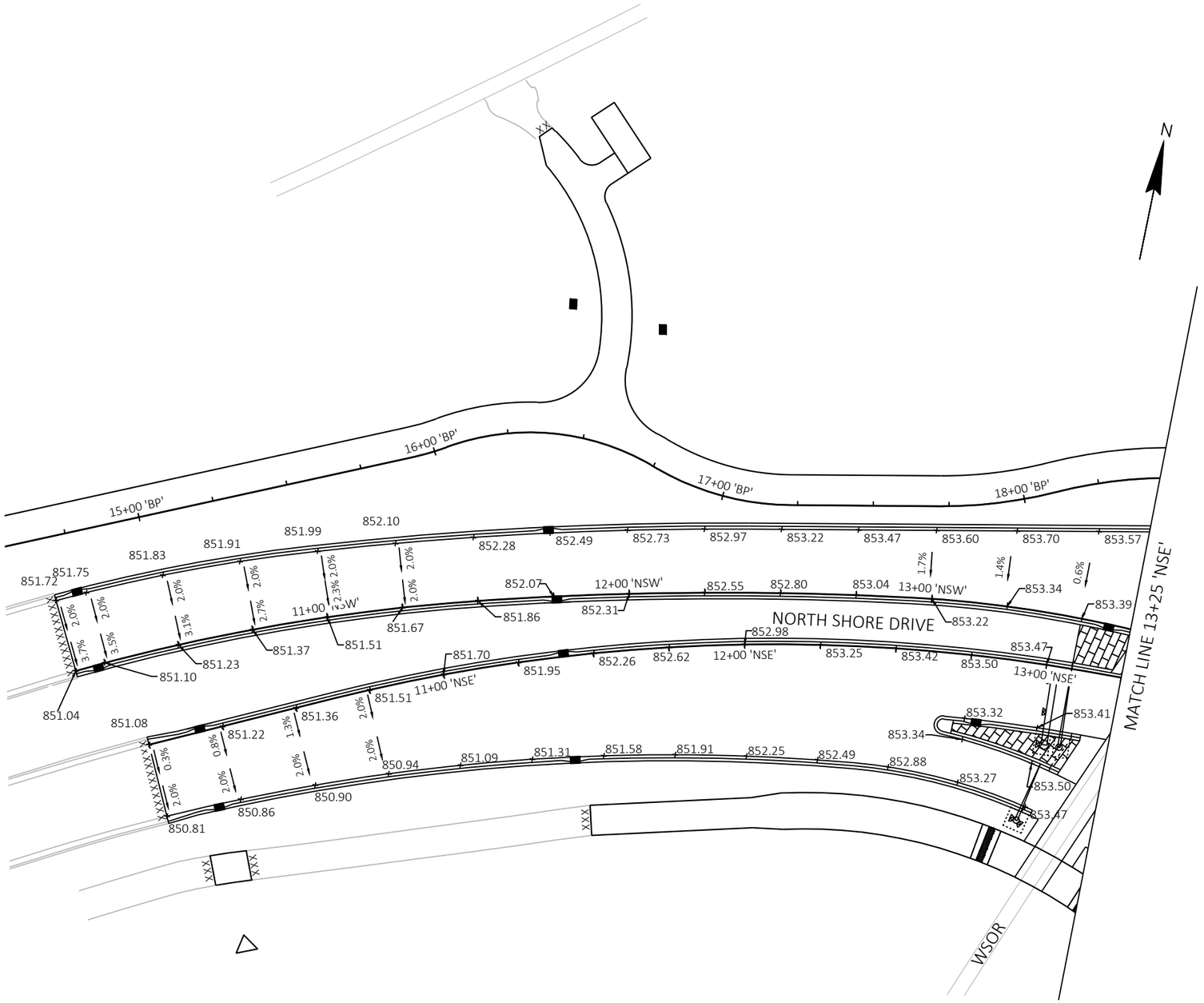
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 125	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 12

PLOT DATE : 5/23/2025 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVING AND JOINT DETAILS	SHEET 126	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021202-PV.DWG
LAYOUT NAME - 11

PLOT DATE : 5/23/2025 3:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

WSOR

JOHN NOLEN DRIVE

77+00 'SB'

78+00 'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

77+00

78+00

79+00

80+00

81+00

MATCH LINE 81+55

SHORELINE PLANTING SLOPE LIMITS

82+0

CAPITAL CITY TRAIL

77+00 'CT'

78+00 'CT'

79+00 'CT'

80+00 'CT'

81+00 'CT'

62+00 'C

57+00 'CS'

58+00 'CS'

59+00 'CS'

60+00 'CS'

61+00 'CS'

LIMITS OF SHORELINE REVETMENT STONE. SEE CONSTRUCTION DETAIL

STA 79+60.5 'NB'
145.8' RT

ORDINARY HIGH WATER MARK ELEVATION

STA 79+73.2 'NB'
158.5' RT

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 127	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 02

PLOT DATE : 5/23/2025 8:36 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

MATCH LINE 81+55

MATCH LINE 86+85

WSOR

JOHN NOLEN DRIVE

82+00 'SB' 83+00 'SB' 84+00 'SB' 85+00 'SB' 86+00 'SB'

82+00 83+00 84+00 85+00 86+00

0 'CT' 83+00 'CT' 84+00 'CT' 85+00 'CT' 86+00 'CT' 87+00 'CT'

CAPITAL CITY TRAIL

S' 63+00 'CS' 64+00 'CS' 65+00 'CS' 66+00 'CS' 67+00 'CS'

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

ORDINARY HIGH WATER MARK ELEVATION

FLAT STONE BLOCK
SEE CONSTRUCTION DETAIL

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 128	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 03

PLOT DATE : 5/23/2025 8:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

MATCH LINE 86+85

MATCH LINE 92+15

PIER

PIER

BORE

WSOR

B-13-930 SB

87+00 'SB'

88+00 'SB'

89+00 'SB'

90+00 'SB'

91+00 'SB'

92+00 'SB'

87+00

88+00

89+00

90+00

91+00

92+00

B-13-930 NB

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

88+00 'CT'

89+00 'CT'

90+00 'CT'

91+00 'CT'

92+00 'CT'

68+00 'CS'

69+00 'CS'

70+00 'CS'

71+00 'CS'

72+00 'CS'

B-13-932

CUT STONE BOULDERS
SEE STRUCTURE PLANS

R-13-0407

R-13-0408

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

SHORELINE PLANTING
SLOPE LIMITS

ORDINARY HIGH WATER MARK ELEVATION

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHEET 129	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 04

PLOT DATE : 5/23/2025 8:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

N

WSOR

JOHN NOLEN DRIVE

MATCH LINE 92+15

MATCH LINE 97+45

93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
93+00
94+00
95+00
96+00
97+00

CAPITAL CITY TRAIL

93+00 'CT'
94+00 'CT'
95+00 'CT'
96+00 'CT'
97+00 'CT'
73+00 'CS'
74+00 'CS'
75+00 'CS'
76+00 'CS'
77+00 'CS'

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

FLAT STONE BLOCK
SEE CONSTRUCTION DETAIL

ORDINARY HIGH WATER MARK ELEVATION

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 130	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 05

PLOT DATE : 5/23/2025 8:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

WSOR

JOHN NOLEN DRIVE

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
98+00
99+00
100+00
101+00
102+00

CAPITAL CITY TRAIL

98+00 'CT'
99+00 'CT'
100+00 'CT'
101+00 'CT'
102+00 'CT'

78+00 'CS'
79+00 'CS'
80+00 'CS'
81+00 'CS'
82+00 'CS'

MATCH LINE 97+45

MATCH LINE 102+75

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

FLAT STONE BLOCK
SEE CONSTRUCTION DETAIL

ORDINARY HIGH WATER MARK ELEVATION

SHORELINE PLANTING
SLOPE LIMITS

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 131	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 06

PLOT DATE : 5/23/2025 8:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

N

WSOR

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 102+75

MATCH LINE 108+05

B-13-924 SB

B-13-924 NB

B-13-933

103+00 'SB' 104+00 'SB' 105+00 'SB' 106+00 'SB' 107+00 'SB' 108+00 'SB'

103+00 104+00 105+00 106+00 107+00 108+00

03+00 'CT' 104+00 'CT' 105+00 'CT' 106+00 'CT' 107+00 'CT' 108+00 'CT'

83+00 'CS' 84+00 'CS' 85+00 'CS' 86+00 'CS' 87+00 'CS' 88+00 'CS'

CUT STONE BOULDERS
SEE STRUCTURE PLANS

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

SHORELINE PLANTING
SLOPE LIMITS

ORDINARY HIGH WATER MARK ELEVATION

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 132	E

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

N

WSOR

B-13-924 SB

B-13-926 SB

JOHN NOLEN DRIVE

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

BORE

109+00

110+00

111+00

112+00

113+00

B-13-924 NB

B-13-926 NB

CAPITAL CITY TRAIL

109+00 'CT'

110+00 'CT'

111+00 'CT'

112+00 'CT'

113+00 'CT'

MATCH LINE 108+05

MATCH LINE 113+35

89+00 'CS'

90+00 'CS'

91+00 'CS'

92+00 'CS'

93+00 'CS'

B-13-933

B-13-934

CUT STONE BOULDERS
SEE STRUCTURE PLANS

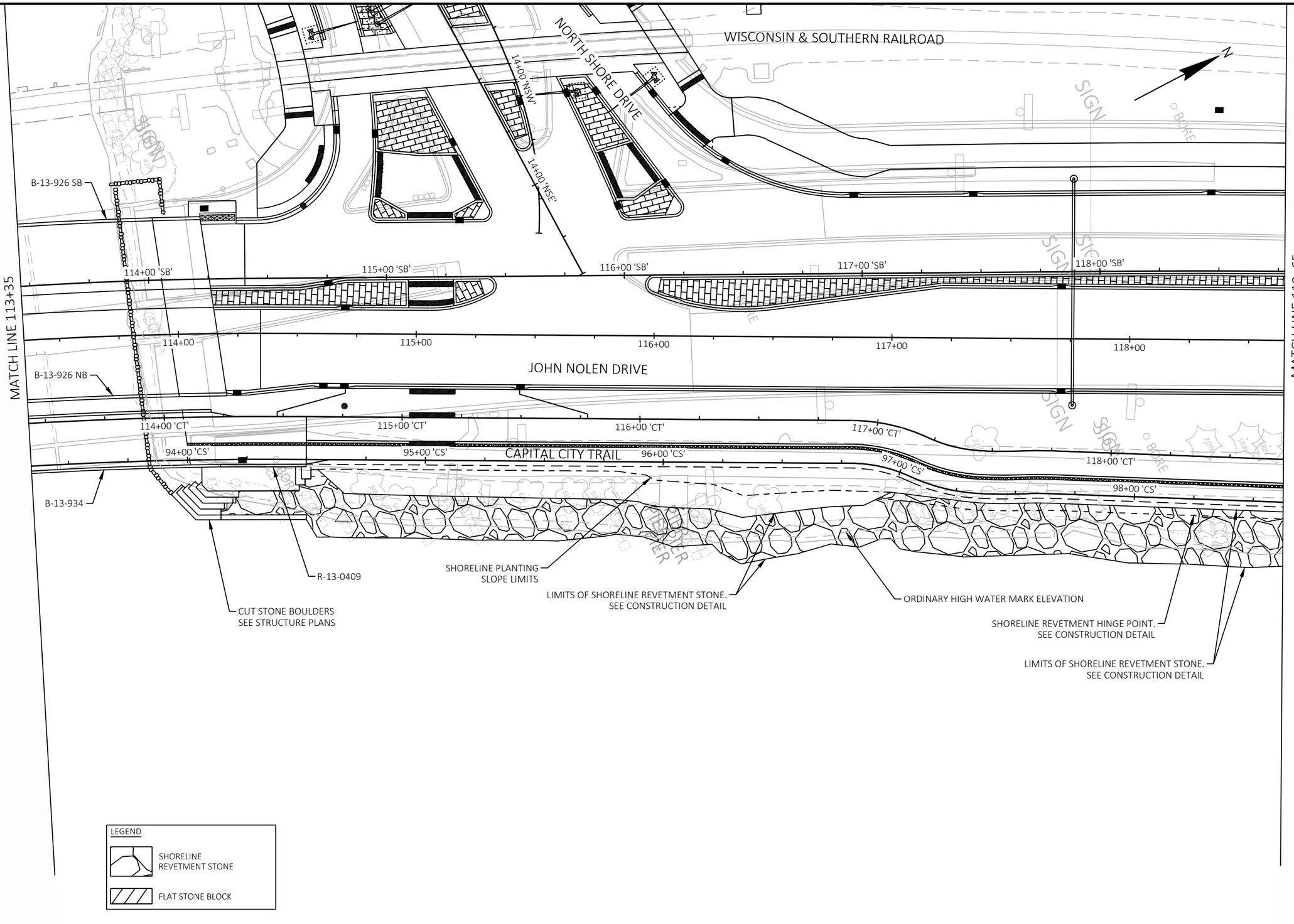
LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

ORDINARY HIGH WATER MARK ELEVATION

SHORELINE PLANTING
SLOPE LIMITS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHEET 133	E

2



LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 134	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 09
PLOT DATE : 5/23/2025 8:37 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

SHORELINE REVETMENT STONE

FLAT STONE BLOCK

S. BROOM STREET

701+00 'BSE'

701+00 'BSW'

WSOR

702+00 'BSE'

702+00 'BSW'

MATCH LINE 118+65

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

119+00

120+00

121+00

122+00

123+00

124+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

119+00 'CT'

120+00 'CT'

121+00 'CT'

122+00 'CT'

99+00 'CS'

100+00 'CS'

101+00 'CS'

102+00 'CS'

LIMITS OF SHORELINE REVETMENT STONE.
SEE CONSTRUCTION DETAIL

SHORELINE REVETMENT HINGE POINT.
SEE CONSTRUCTION DETAIL

STA 121+91.1 'NB'
92.8' RT

STA 121+88.9 'NB'
111.3' RT

ORDINARY HIGH WATER MARK ELEVATION

SIGN

XXXXX

BLEACHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SHORELINE REVETMENT	SHEET 135	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021203-SHRV.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 8:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

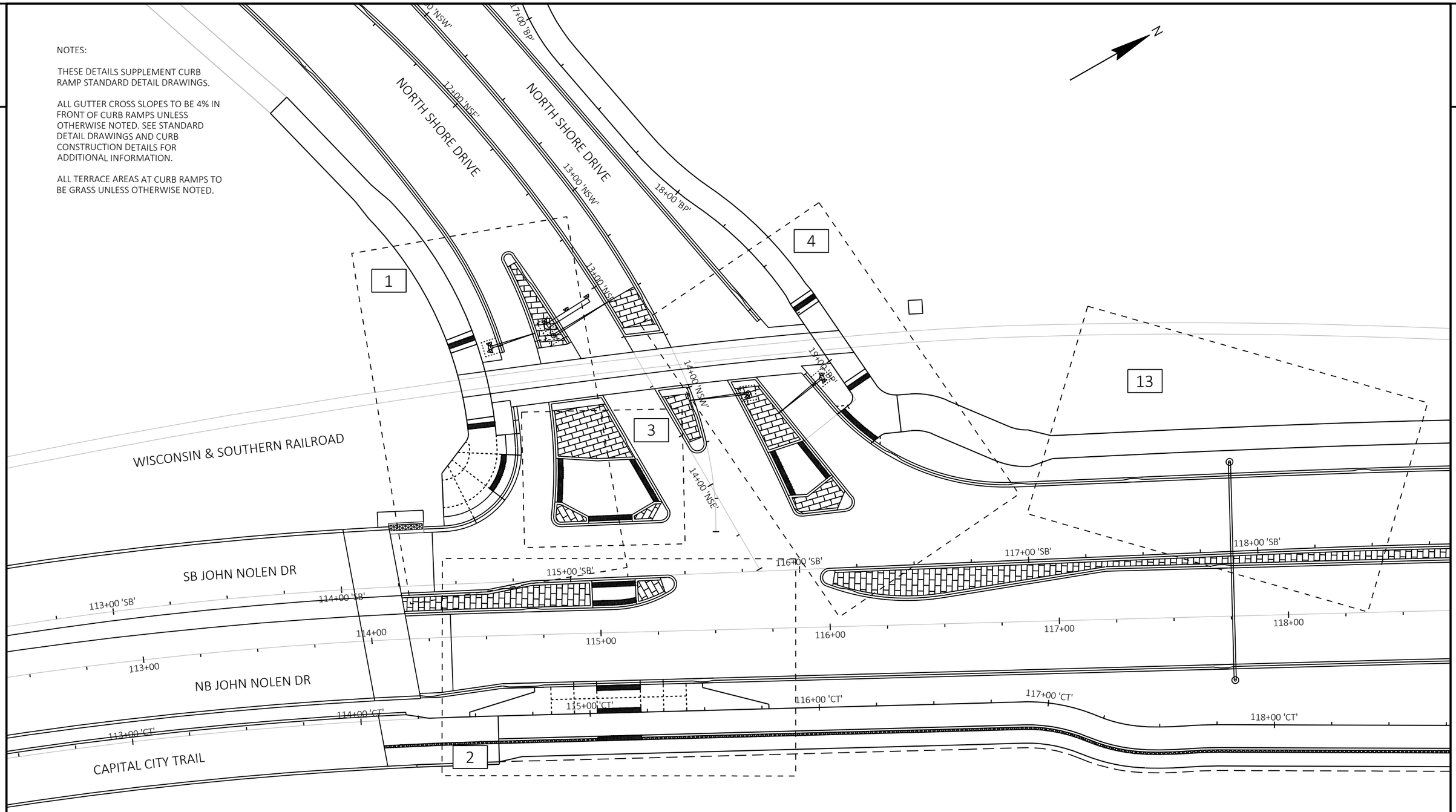
WISDOT/CADDS SHEET 42

NOTES:

THESE DETAILS SUPPLEMENT CURB RAMP STANDARD DETAIL DRAWINGS.

ALL GUTTER CROSS SLOPES TO BE 4% IN FRONT OF CURB RAMPS UNLESS OTHERWISE NOTED. SEE STANDARD DETAIL DRAWINGS AND CURB CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

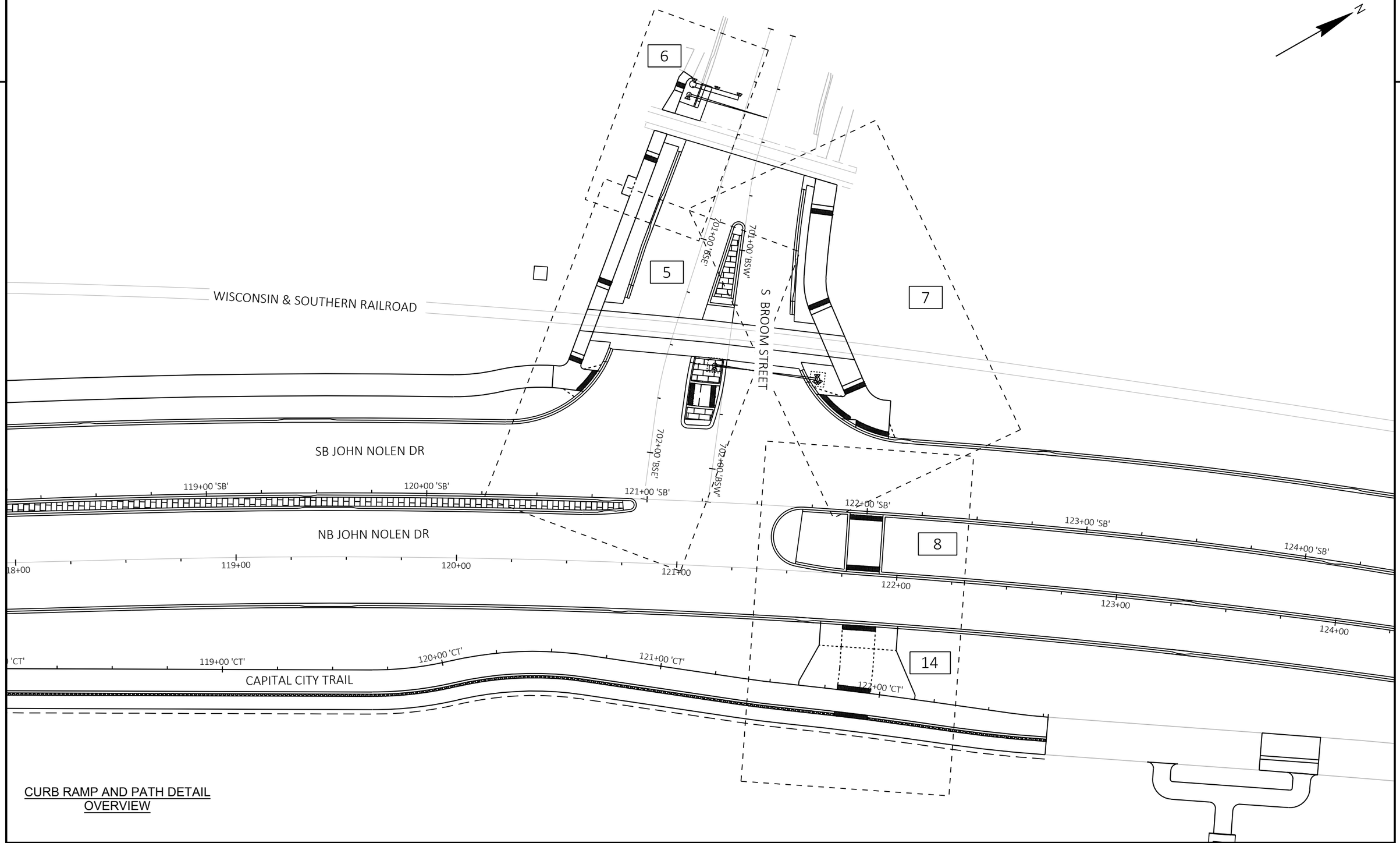
ALL TERRACE AREAS AT CURB RAMPS TO BE GRASS UNLESS OTHERWISE NOTED.



CURB RAMP AND PATH DETAIL OVERVIEW

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAIL OVERVIEW	SHEET 136	E

2



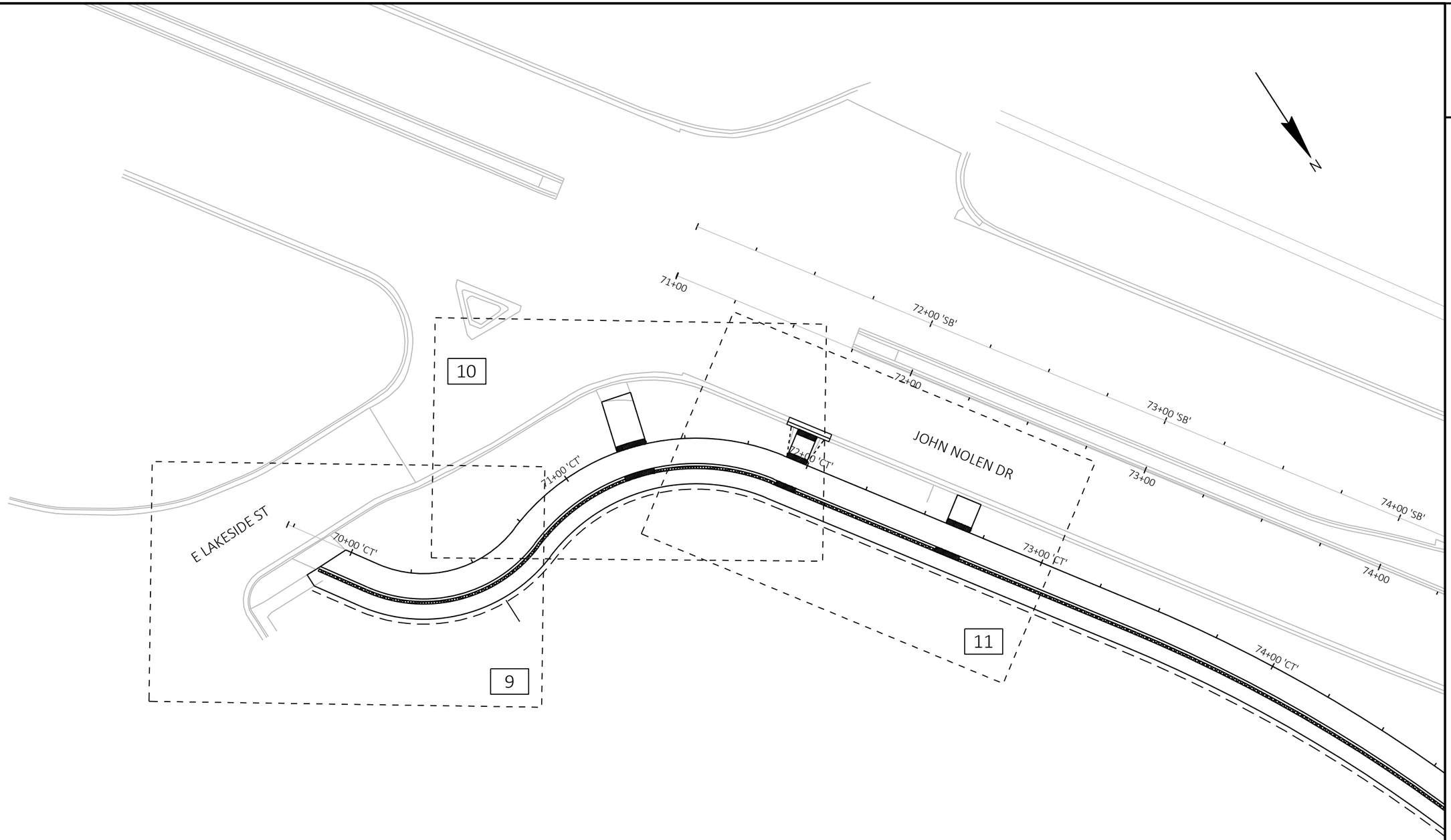
CURB RAMP AND PATH DETAIL OVERVIEW

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAIL OVERVIEW	SHEET 137	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021301-CR - INTERSECTION OVERVIEWS.DWG
LAYOUT NAME - 02 - BROOM

PLOT DATE : 5/23/2025 10:06 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



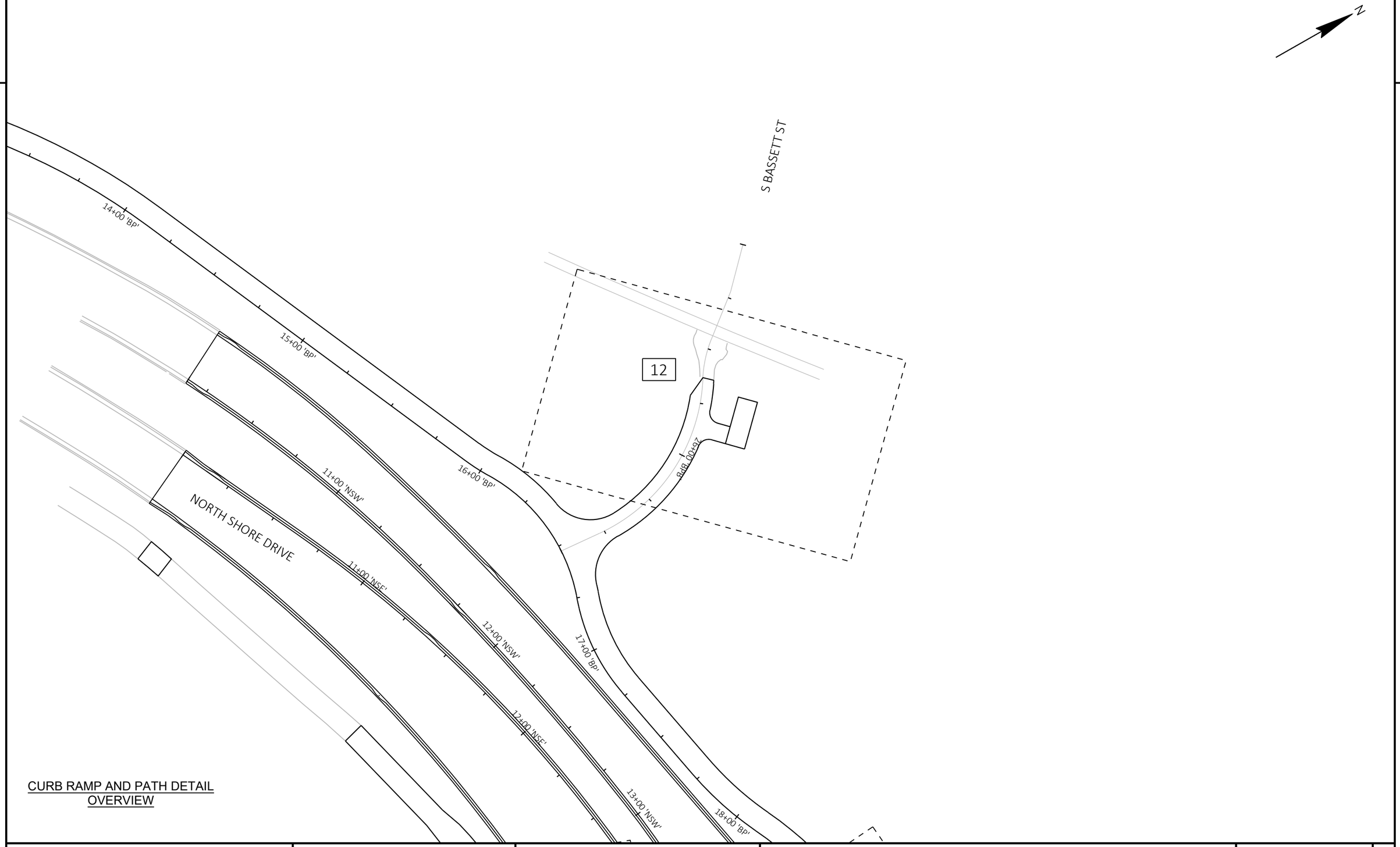
CURB RAMP AND PATH DETAIL OVERVIEW

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAIL OVERVIEW	SHEET 138	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021301-CR - INTERSECTION OVERVIEWS.DWG
LAYOUT NAME - 03 - LAKESIDE

PLOT DATE : 5/23/2025 10:06 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



CURB RAMP AND PATH DETAIL OVERVIEW

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAIL OVERVIEW	SHEET 139	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021301-CR - INTERSECTION OVERVIEWS.DWG
LAYOUT NAME - 04 - BASSETT

PLOT DATE : 5/23/2025 10:06 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
1-1	12+82.73	66.64' RT	853.18
1-2	12+85.75	54.95' RT	853.30
1-3	12+89.29	68.09' RT	853.25
1-4	12+92.67	56.48' RT	853.33
1-5	13+00.13	70.85' RT	853.38
1-6	13+05.76	59.84' RT	853.39
1-7	13+16.36	63.04' RT	853.38
1-8	13+10.95	74.07' RT	853.38
1-9	13+26.62	66.60' RT	853.41
1-10	13+21.63	77.70' RT	853.31
1-11	13+29.21	80.84' RT	853.26
1-12	13+34.30	69.98' RT	853.46
1-13	13+36.00	66.36' RT	853.49
1-14	13+37.70	62.74' RT	853.51
1-15	13+31.89	87.25' RT	853.22
1-16	13+33.86	91.98' RT	853.16
1-17	13+36.69	98.73' RT	853.27
1-18	13+53.50	107.57' RT	853.44
1-19	13+57.04	109.44' RT	853.38
1-20	13+49.92	105.69' RT	853.50
1-21	13+50.90	84.90' RT	853.36
1-22	13+41.49	73.68' RT	853.51
1-23	13+43.70	70.34' RT	853.47
1-24	13+54.61	83.36' RT	853.32
1-25	13+41.28	64.46' RT	853.47
1-26	13+46.25	67.23' RT	853.42
1-27	13+58.07	81.32' RT	853.28
1-28	13+60.17	88.06' RT	853.28
1-29	13+47.63	65.14' RT	853.39
1-30	13+60.36	80.33' RT	853.27
1-31	13+42.38	62.22' RT	853.20
1-32	13+62.65	87.73' RT	853.01
1-33	13+25.35	84.57' RT	---
1-34	13+27.41	80.01' RT	853.27
1-35	13+29.96	82.64' RT	853.25

NORTH SHORE DRIVE

JOHN NOLEN DRIVE

RAILROAD CROSSING PAD (BY OTHERS)

ASPHALT PAVEMENT

RAISED CROSSWALK SEE DETAILS

CONCRETE SIDEWALK

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 28.50'
LONG CHORD = 16.98'
'XR' DIST. = 3.21'
AREA = 33.14 SF

ASPHALT PATH

CONCRETE SIDEWALK

CURB RAMP TYPE 8
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 12-FT

CURB RAMP TYPE 8
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 12-FT

TRUCK APRON PAVEMENT

CONCRETE SIDEWALK

CONCRETE SIDEWALK

12'

R28.5'

R5'

108743 sq ft

844664

24IN

1

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 140	E

CURB RAMP TYPE 5
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 19-FT

2-1 2-2 2-3 2-4 2-5 2-6

0.5% 0.5% 19' 1.7% 1.7% 0.4% 1.2% 0.8% 0.5% 0.5% R49'

CONCRETE CURB PEDESTRIAN (TYP.)

CONCRETE SIDEWALK

CURB RAMP TYPE 5
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 49.00'
LONG CHORD = 19.01'
'XR' DIST. = 2.65'
AREA = 38.11 SF

115+00

JOHN NOLEN DRIVE

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
2-1	114+96.48	22.93' LT	853.50
2-2	115+15.48	23.22' LT	853.59
2-3	114+96.63	15.90' LT	853.61
2-4	115+15.61	16.94' LT	853.70
2-5	114+96.74	11.00' LT	853.55
2-6	115+15.72	12.01' LT	853.66
2-7	114+77.47	23.00' RT	853.58
2-8	114+77.47	35.00' RT	853.46
2-9	115+36.47	23.00' RT	853.94
2-10	115+36.47	35.00' RT	853.84
2-11	115+16.47	23.00' RT	853.36
2-12	115+16.47	22.00' RT	853.34
2-13	115+16.47	35.00' RT	853.74
2-14	114+97.47	23.00' RT	853.26
2-15	114+97.47	22.00' RT	853.25
2-16	114+97.47	35.00' RT	853.64
2-17	114+77.47	53.00' RT	853.19
2-18	114+97.47	53.00' RT	853.37
2-19	115+16.47	53.00' RT	853.47
2-20	115+36.47	53.00' RT	853.57
2-21	114+97.47	45.00' RT	853.49
2-22	115+16.47	45.00' RT	853.59

TRANSITION CURB HEIGHT
CONCRETE SIDEWALK

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 19-FT

TRANSITION CURB HEIGHT

2-15 2-12 2-7 2-14 2-11 2-9

0.5% 1.7% 0.5% 2.9% 1.2% 3.2% 3.2% 1.0%

CONCRETE SIDEWALK

ASPHALT PATH

2-8 2-13 2-10 2-16

0.9% 0.5% 0.5%

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 19-FT

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 19-FT

CONCRETE SIDEWALK

1.5% 1.5% 1.5% 1.5%

2-21 2-22

DIRECTIONAL GUIDANCE PLATES
(SEE CONSTRUCTION DETAILS)

JOGGING PATH

2-17 2-18 2-19 2-20

0.9% 0.5% 0.5%

2

N

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 141	E

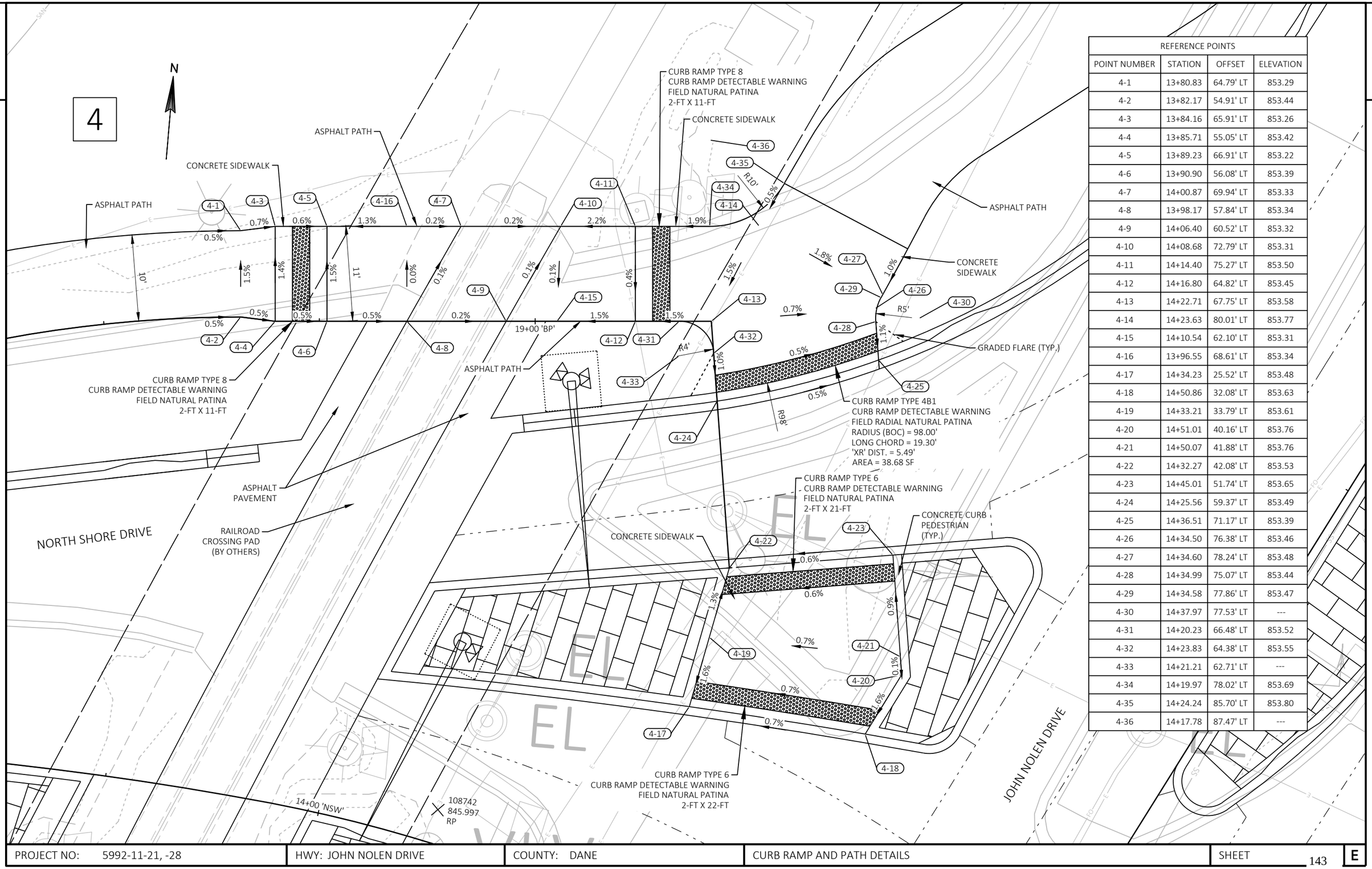
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021302-CR - DETAILS.DWG
LAYOUT NAME - 2

PLOT DATE : 5/23/2025 10:13 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

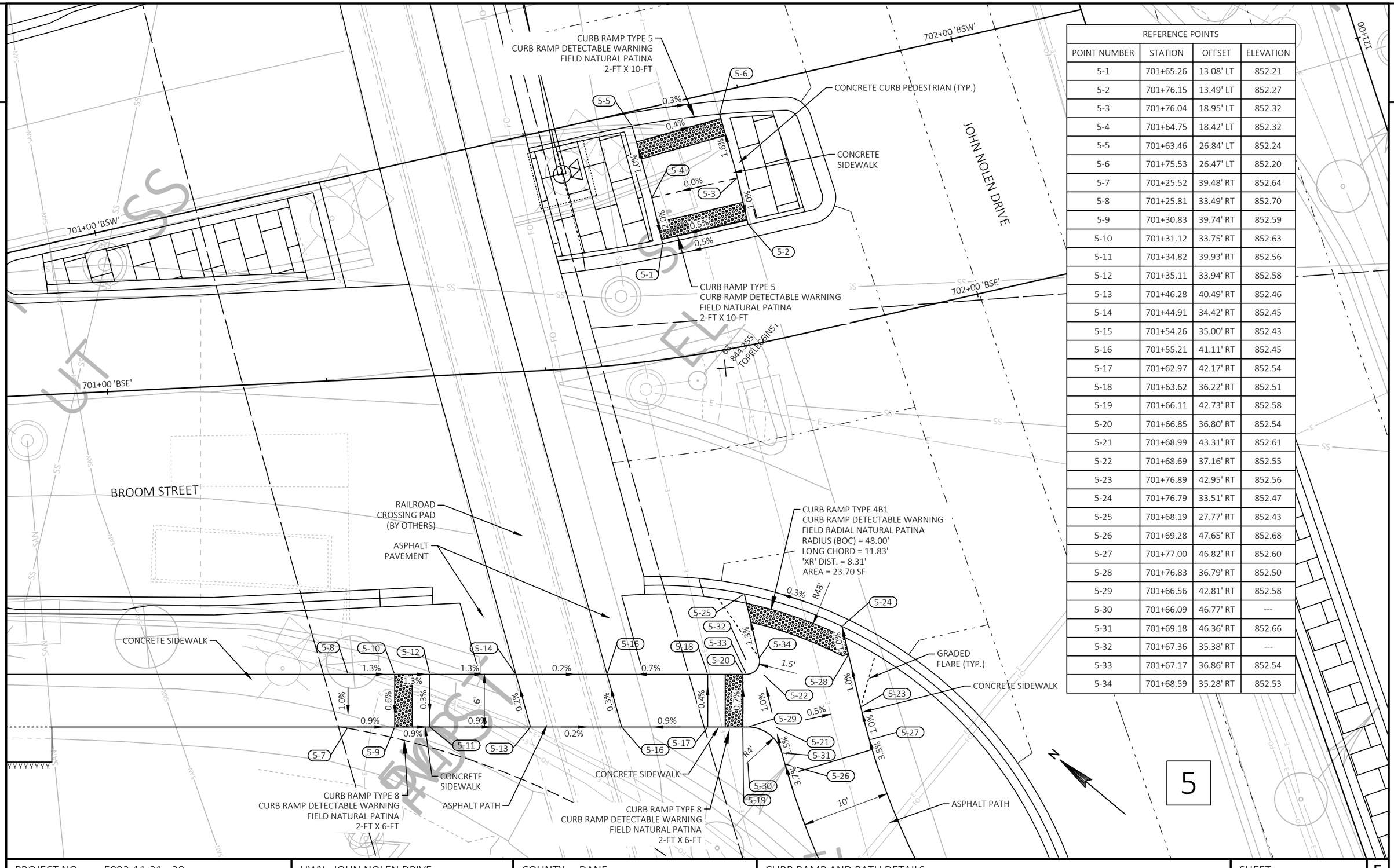
2

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
3-1	13+56.06	52.44' RT	853.50
3-2	13+72.26	62.38' RT	853.41
3-3	13+73.92	59.88' RT	853.44
3-4	13+85.10	52.89' RT	853.30
3-5	13+64.37	39.90' RT	853.45
3-6	13+66.20	37.14' RT	853.40
3-7	13+93.95	36.08' RT	853.40
3-8	13+93.90	24.99' RT	853.35
3-9	13+72.50	25.00' RT	853.21
3-10	13+74.05	22.00' RT	853.16
3-11	13+95.46	22.00' RT	853.32
3-12	13+87.76	54.28' RT	853.27
3-13	13+96.61	37.47' RT	853.36
3-14	13+57.72	49.93' RT	853.53
3-15	13+79.58	50.00' RT	853.36
3-16	13+89.03	33.50' RT	853.45
3-17	13+55.50	53.28' RT	853.49
3-18	13+71.71	63.21' RT	853.40
3-19	13+76.62	66.67' RT	853.18
3-20	13+50.17	50.46' RT	853.28
3-21	13+50.84	49.05' RT	853.74
3-22	13+77.51	65.45' RT	853.64



REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
4-1	13+80.83	64.79' LT	853.29
4-2	13+82.17	54.91' LT	853.44
4-3	13+84.16	65.91' LT	853.26
4-4	13+85.71	55.05' LT	853.42
4-5	13+89.23	66.91' LT	853.22
4-6	13+90.90	56.08' LT	853.39
4-7	14+00.87	69.94' LT	853.33
4-8	13+98.17	57.84' LT	853.34
4-9	14+06.40	60.52' LT	853.32
4-10	14+08.68	72.79' LT	853.31
4-11	14+14.40	75.27' LT	853.50
4-12	14+16.80	64.82' LT	853.45
4-13	14+22.71	67.75' LT	853.58
4-14	14+23.63	80.01' LT	853.77
4-15	14+10.54	62.10' LT	853.31
4-16	13+96.55	68.61' LT	853.34
4-17	14+34.23	25.52' LT	853.48
4-18	14+50.86	32.08' LT	853.63
4-19	14+33.21	33.79' LT	853.61
4-20	14+51.01	40.16' LT	853.76
4-21	14+50.07	41.88' LT	853.76
4-22	14+32.27	42.08' LT	853.53
4-23	14+45.01	51.74' LT	853.65
4-24	14+25.56	59.37' LT	853.49
4-25	14+36.51	71.17' LT	853.39
4-26	14+34.50	76.38' LT	853.46
4-27	14+34.60	78.24' LT	853.48
4-28	14+34.99	75.07' LT	853.44
4-29	14+34.58	77.86' LT	853.47
4-30	14+37.97	77.53' LT	---
4-31	14+20.23	66.48' LT	853.52
4-32	14+23.83	64.38' LT	853.55
4-33	14+21.21	62.71' LT	---
4-34	14+19.97	78.02' LT	853.69
4-35	14+24.24	85.70' LT	853.80
4-36	14+17.78	87.47' LT	---

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 143	E

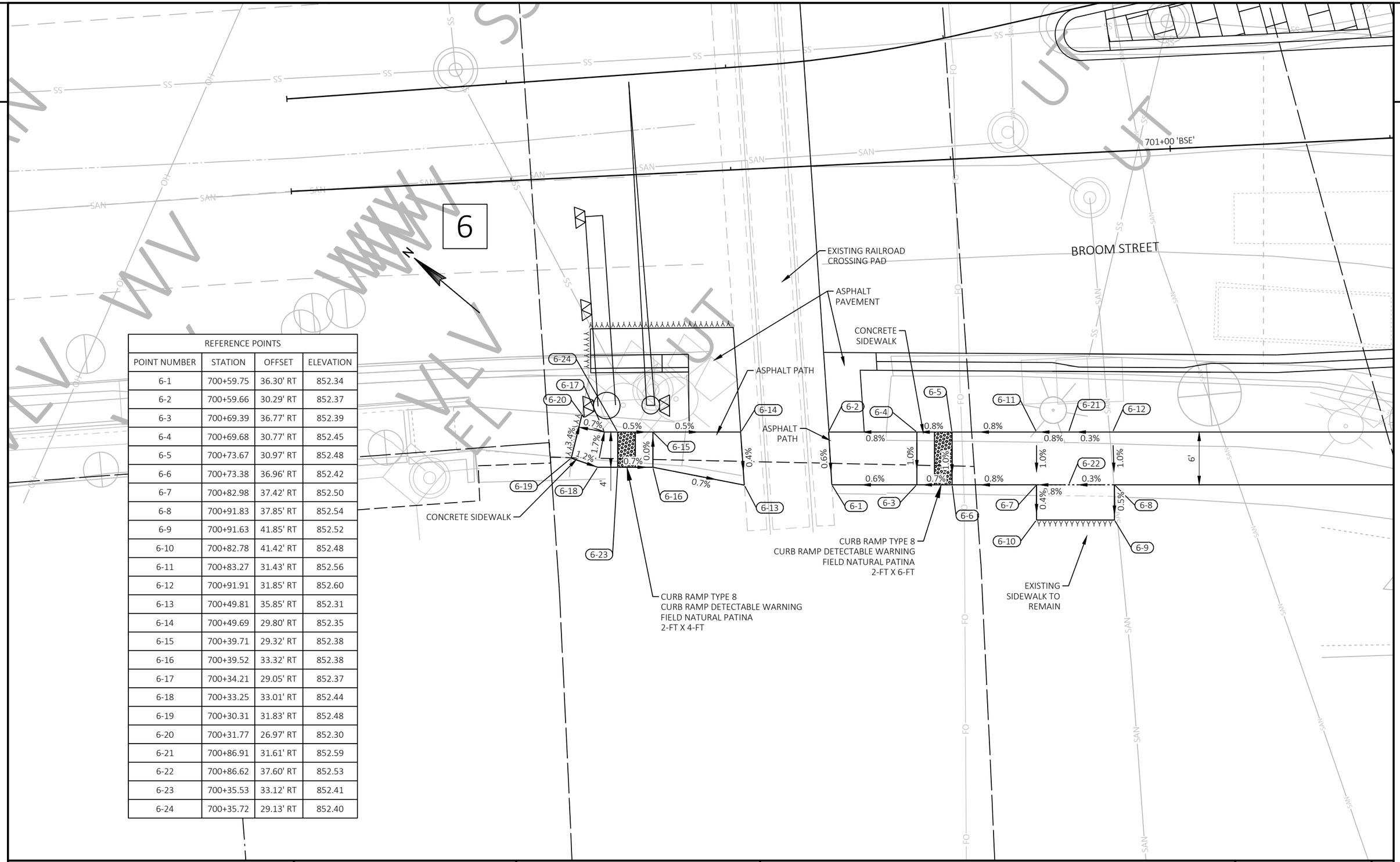


REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
5-1	701+65.26	13.08' LT	852.21
5-2	701+76.15	13.49' LT	852.27
5-3	701+76.04	18.95' LT	852.32
5-4	701+64.75	18.42' LT	852.32
5-5	701+63.46	26.84' LT	852.24
5-6	701+75.53	26.47' LT	852.20
5-7	701+25.52	39.48' RT	852.64
5-8	701+25.81	33.49' RT	852.70
5-9	701+30.83	39.74' RT	852.59
5-10	701+31.12	33.75' RT	852.63
5-11	701+34.82	39.93' RT	852.56
5-12	701+35.11	33.94' RT	852.58
5-13	701+46.28	40.49' RT	852.46
5-14	701+44.91	34.42' RT	852.45
5-15	701+54.26	35.00' RT	852.43
5-16	701+55.21	41.11' RT	852.45
5-17	701+62.97	42.17' RT	852.54
5-18	701+63.62	36.22' RT	852.51
5-19	701+66.11	42.73' RT	852.58
5-20	701+66.85	36.80' RT	852.54
5-21	701+68.99	43.31' RT	852.61
5-22	701+68.69	37.16' RT	852.55
5-23	701+76.89	42.95' RT	852.56
5-24	701+76.79	33.51' RT	852.47
5-25	701+68.19	27.77' RT	852.43
5-26	701+69.28	47.65' RT	852.68
5-27	701+77.00	46.82' RT	852.60
5-28	701+76.83	36.79' RT	852.50
5-29	701+66.56	42.81' RT	852.58
5-30	701+66.09	46.77' RT	---
5-31	701+69.18	46.36' RT	852.66
5-32	701+67.36	35.38' RT	---
5-33	701+67.17	36.86' RT	852.54
5-34	701+68.59	35.28' RT	852.53

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 144	E

2

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
6-1	700+59.75	36.30' RT	852.34
6-2	700+59.66	30.29' RT	852.37
6-3	700+69.39	36.77' RT	852.39
6-4	700+69.68	30.77' RT	852.45
6-5	700+73.67	30.97' RT	852.48
6-6	700+73.38	36.96' RT	852.42
6-7	700+82.98	37.42' RT	852.50
6-8	700+91.83	37.85' RT	852.54
6-9	700+91.63	41.85' RT	852.52
6-10	700+82.78	41.42' RT	852.48
6-11	700+83.27	31.43' RT	852.56
6-12	700+91.91	31.85' RT	852.60
6-13	700+49.81	35.85' RT	852.31
6-14	700+49.69	29.80' RT	852.35
6-15	700+39.71	29.32' RT	852.38
6-16	700+39.52	33.32' RT	852.38
6-17	700+34.21	29.05' RT	852.37
6-18	700+33.25	33.01' RT	852.44
6-19	700+30.31	31.83' RT	852.48
6-20	700+31.77	26.97' RT	852.30
6-21	700+86.91	31.61' RT	852.59
6-22	700+86.62	37.60' RT	852.53
6-23	700+35.53	33.12' RT	852.41
6-24	700+35.72	29.13' RT	852.40



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 145	E

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
7-1	701+32.40	51.35' LT	852.33
7-2	701+32.59	39.81' LT	852.33
7-3	701+19.61	43.69' LT	852.59
7-4	701+24.75	35.11' LT	852.58
7-5	701+13.87	40.82' LT	852.71
7-6	701+15.99	30.98' LT	852.81
7-7	700+74.66	28.52' LT	852.92
7-8	700+74.59	38.52' LT	852.82
7-9	700+60.33	28.10' LT	852.60
7-10	700+60.98	38.21' LT	852.53
7-11	701+42.49	45.74' LT	852.30
7-12	701+42.30	57.29' LT	852.28
7-13	701+49.85	61.81' LT	852.25
7-14	701+54.99	53.23' LT	852.19

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
7-15	701+54.34	64.50' LT	852.23
7-16	701+59.49	55.93' LT	852.15
7-17	701+58.79	70.25' LT	852.15
7-18	701+58.50	76.06' LT	852.14
7-19	701+75.82	77.24' LT	851.88
7-20	701+72.71	62.00' LT	851.92
7-21	701+69.22	61.76' LT	851.98
7-22	701+68.19	76.72' LT	851.99
7-23	701+69.55	54.90' LT	851.96
7-24	701+60.16	42.21' LT	852.07
7-25	701+59.57	54.28' LT	852.14
7-26	701+69.35	58.90' LT	851.98
7-27	701+58.57	54.21' LT	---
7-28	701+58.06	55.07' LT	852.16

ASPHALT PATH
CONCRETE SIDEWALK
ASPHALT PAVEMENT
EXISTING RAILROAD CROSSING PAD
CURB RAMP TYPE 8
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 10-FT
BROOM STREET
701+00 'BSW'
701+00 'BSE'
RAILROAD CROSSING PAD (BY OTHERS)
CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 53.00'
LONG CHORD = 16.29'
'XR' DIST. = 14.86'
AREA = 32.54 SF
CURB RAMP TYPE 4B1
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 53.00'
LONG CHORD = 15.59'
'XR' DIST. = 6.44'
AREA = 31.34 SF
GRADED FLARE (TYP.)
JOHN NOLEN DRIVE
845.97' TOPELEGGINSTEEL

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 146	E

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
8-1	121+76.90	28.00' LT	852.27
8-2	121+91.78	28.00' LT	852.20
8-3	121+76.90	21.00' LT	852.59
8-4	121+91.80	21.01' LT	852.51
8-5	121+76.90	8.01' LT	852.78
8-6	121+91.86	8.00' LT	852.71
8-7	121+76.90	0.99' LT	852.59
8-8	121+91.89	1.00' LT	852.51
8-9	121+76.90	22.00' RT	852.38
8-10	121+92.00	22.00' RT	852.26
8-11	121+92.04	33.00' RT	852.41
8-12	121+76.90	33.00' RT	852.53
8-13	121+66.83	23.00' RT	852.68
8-14	121+66.80	33.00' RT	852.79

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
8-15	122+02.06	23.00' RT	852.43
8-16	122+02.14	33.00' RT	852.53
8-17	121+92.08	43.00' RT	852.02
8-18	121+76.90	43.00' RT	852.14
8-19	121+76.39	52.48' RT	851.78
8-20	121+91.58	53.28' RT	851.62
8-21	121+75.96	70.48' RT	851.51
8-22	121+91.09	71.29' RT	851.35
8-23	121+56.92	23.00' RT	852.97
8-24	122+12.20	23.00' RT	852.58
8-25	121+66.74	52.01' RT	851.88
8-26	122+02.29	53.90' RT	851.50
8-27	121+66.69	70.03' RT	851.61
8-28	122+02.42	71.94' RT	851.23

JOHN NOLEN DRIVE

8

ASPHALT PATH

DIRECTIONAL GUIDANCE PLATES
(SEE CONSTRUCTION DETAILS)

CONCRETE SIDEWALK

JOGGING PATH

CONCRETE CURB
PEDESTRIAN (TYP.)

TRANSITION CURB HEIGHT

CURB RAMP TYPE 5
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 15-FT

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 15-FT

CONCRETE SIDEWALK

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 15-FT

CURB RAMP TYPE 5
CURB RAMP DETECTABLE WARNING
FIELD NATURAL PATINA
2-FT X 15-FT

CONCRETE SIDEWALK

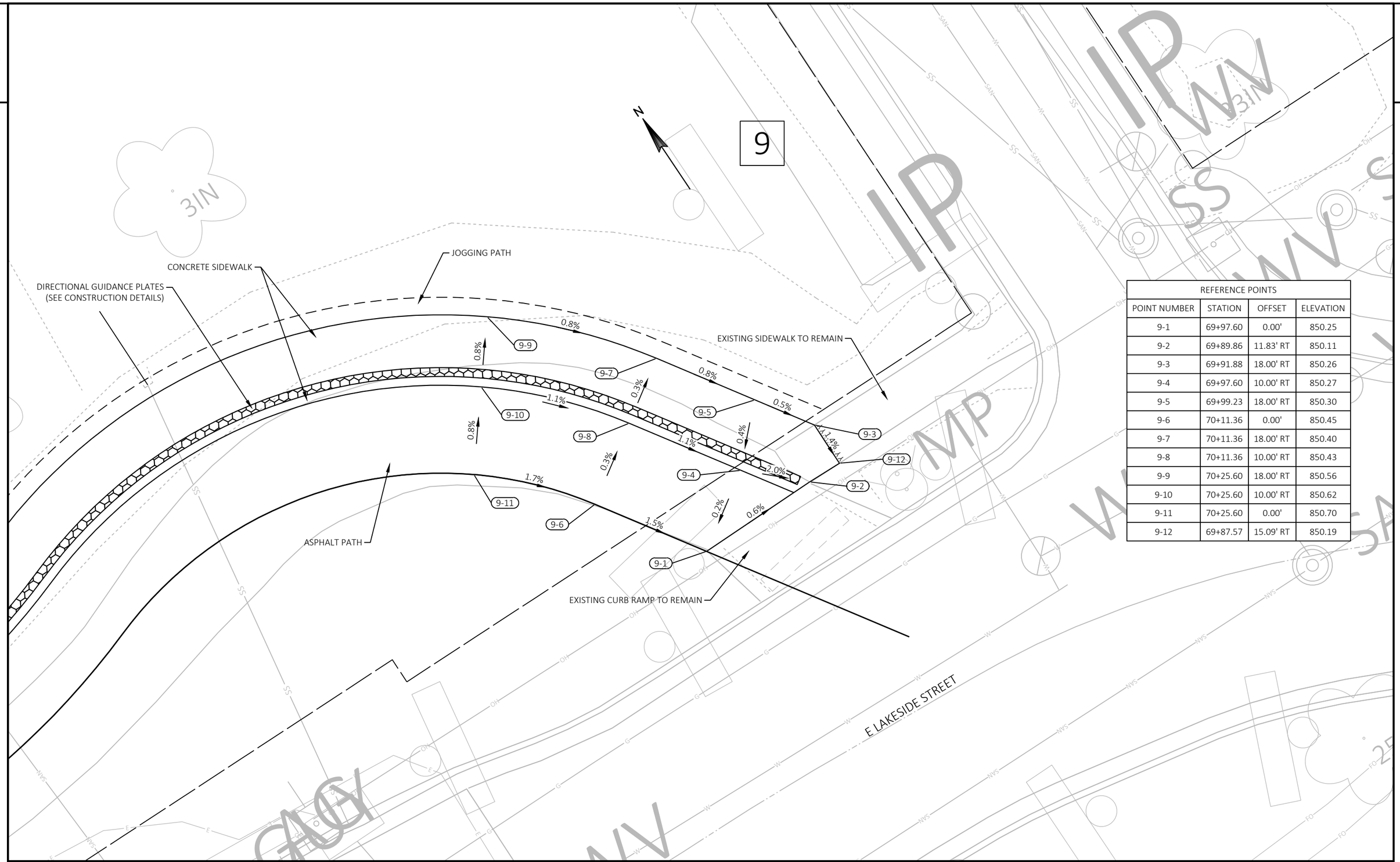
TRANSITION CURB HEIGHT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 147	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021302-CR - DETAILS.DWG
LAYOUT NAME - 8
PLOT DATE : 5/23/2025 10:14 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

9



REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
9-1	69+97.60	0.00'	850.25
9-2	69+89.86	11.83' RT	850.11
9-3	69+91.88	18.00' RT	850.26
9-4	69+97.60	10.00' RT	850.27
9-5	69+99.23	18.00' RT	850.30
9-6	70+11.36	0.00'	850.45
9-7	70+11.36	18.00' RT	850.40
9-8	70+11.36	10.00' RT	850.43
9-9	70+25.60	18.00' RT	850.56
9-10	70+25.60	10.00' RT	850.62
9-11	70+25.60	0.00'	850.70
9-12	69+87.57	15.09' RT	850.19

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 148	E

2

CONCRETE SIDEWALK

JOGGING PATH

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 80.00'
LONG CHORD = 6.01'
'XR' DIST. = 2.20'
AREA = 24 SF

DIRECTIONAL GUIDANCE PLATES
(SEE CONSTRUCTION DETAILS)

ASPHALT PATH

0.6%

10-5

10-6

11-13

11-14

1.5%

10-9

R80'

7+00

10-10

1.4%

10-8

CURB RAMP TYPE 3
CURB RAMP DETECTABLE WARNING
FIELD RADIAL NATURAL PATINA
RADIUS (BOC) = 92.00'
LONG CHORD = 6.01'
'XR' DIST. = 2.20'
AREA = 24 SF

10-4

8+00

0.5%

CONCRETE SIDEWALK

10-3

R92'

10-7

1.8%

1.1%

10-1

2.1%

10-2

EXISITNG CURB
RAMP TO REMAIN

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
10-1	71+23.51	20.77' LT	852.20
10-2	71+33.25	21.14' LT	852.42
10-3	71+34.58	0.00'	852.64
10-4	71+22.57	0.00'	852.58
10-5	71+21.32	18.00' RT	852.30
10-6	71+36.34	18.00' RT	852.38
10-7	71+42.95	0.00' RT	852.68
10-8	71+35.46	10.00' RT	852.50
10-9	71+21.95	10.00' RT	852.43
10-10	71+14.02	0.00' RT	852.44

JOHN NOLEN DRIVE

E LAKESIDE STREET

N

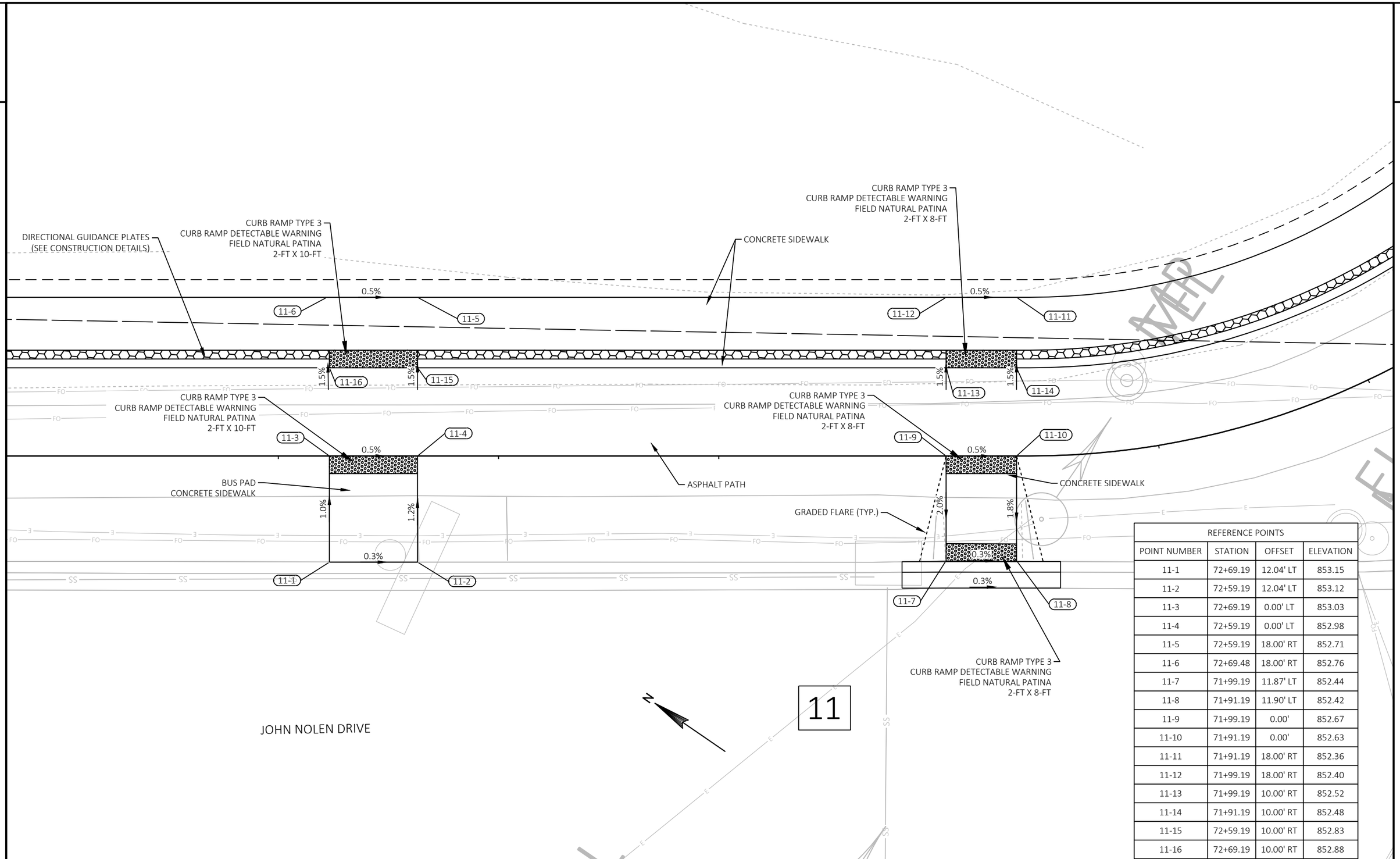
10

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 149	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021302-CR - DETAILS.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 10:15 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : ##########

2



REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
11-1	72+69.19	12.04' LT	853.15
11-2	72+59.19	12.04' LT	853.12
11-3	72+69.19	0.00' LT	853.03
11-4	72+59.19	0.00' LT	852.98
11-5	72+59.19	18.00' RT	852.71
11-6	72+69.48	18.00' RT	852.76
11-7	71+99.19	11.87' LT	852.44
11-8	71+91.19	11.90' LT	852.42
11-9	71+99.19	0.00'	852.67
11-10	71+91.19	0.00'	852.63
11-11	71+91.19	18.00' RT	852.36
11-12	71+99.19	18.00' RT	852.40
11-13	71+99.19	10.00' RT	852.52
11-14	71+91.19	10.00' RT	852.48
11-15	72+59.19	10.00' RT	852.83
11-16	72+69.19	10.00' RT	852.88

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 150	E

2

12

S BASSETT STREET

EXISTING ASPHALT PATH
AND RAILROAD CROSSING

ASPHALT PATH

CONCRETE SIDEWALK

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
12-1	25+81.70	15.67' LT	849.55
12-2	25+88.39	15.94' LT	849.47
12-3	25+87.88	24.91' LT	849.56
12-4	25+71.10	25.69' LT	849.78
12-5	25+70.07	16.78' LT	849.69
12-6	25+76.58	15.91' LT	849.61
12-7	25+89.17	5.00' LT	849.52
12-8	25+81.62	5.00' LT	849.66
12-9	25+89.17	5.00' RT	849.37
12-10	25+81.63	5.00' RT	849.51
12-11	25+72.21	5.00' RT	849.73
12-12	25+63.26	0.03' LT	850.25
12-13	25+64.27	5.01' LT	850.28
12-14	25+72.21	5.00' LT	849.88

SAN BUILDERS WATERTOWER SAN

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 151 E

2

13

REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
13-1	117+75.00	54.00' LT	853.73
13-2	117+75.00	44.00' LT	853.58
13-3	117+66.27	54.00' LT	853.57
13-4	117+66.30	44.00' LT	853.42
13-5	118+00.00	54.00' LT	853.60
13-6	118+00.00	44.00' LT	853.45
13-7	118+10.67	54.00' LT	853.35
13-8	118+10.67	44.00' LT	853.20

WISCONSIN & SOUTHERN RAILROAD

ASPHALT PATH

13-1 13-2 13-3 13-4 13-5 13-6 13-7 13-8

0.5% 1.8% 1.5% 2.4% 4.0% 2.0%

S-13-579

JOHN NOLEN DRIVE SB

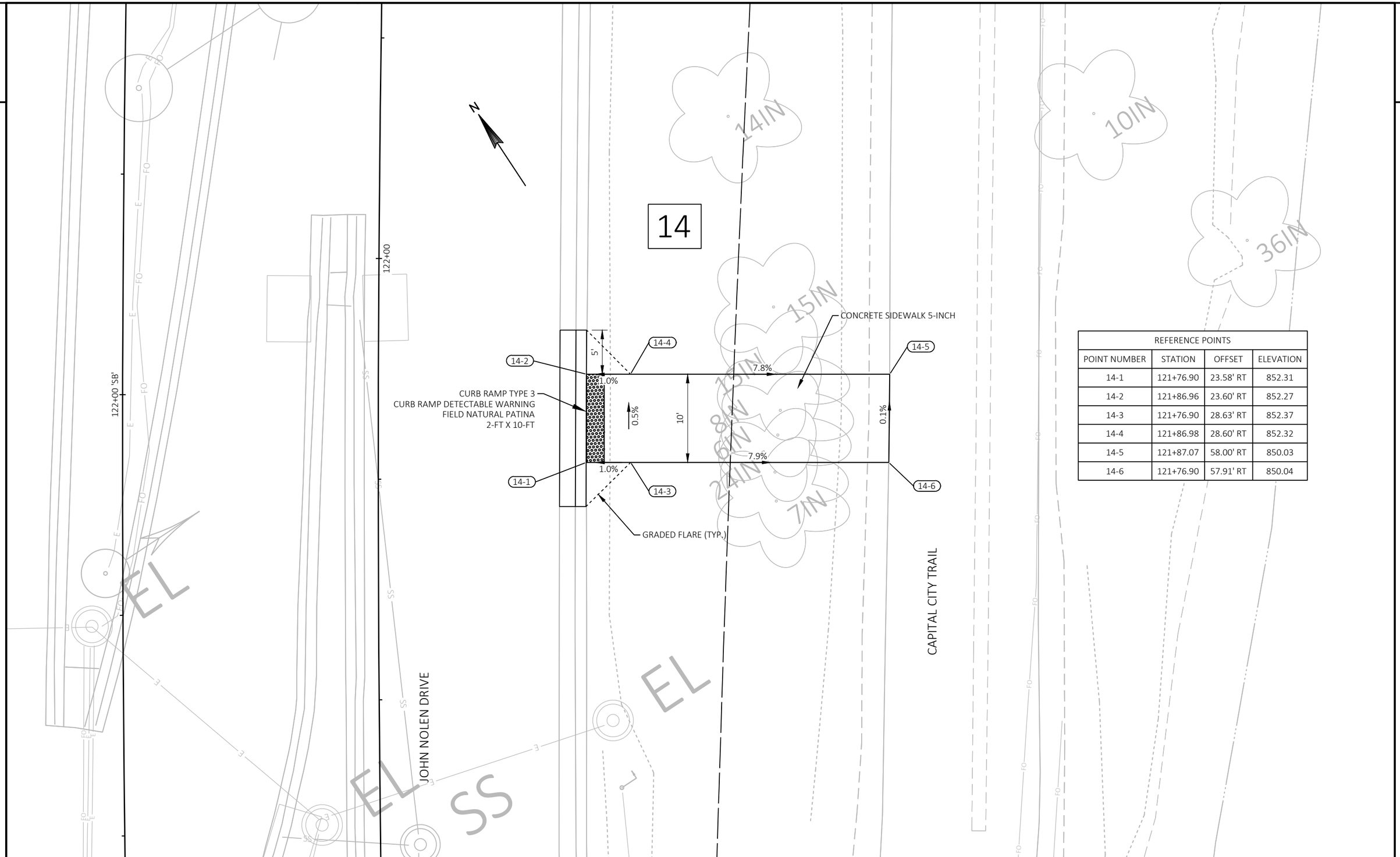
MARGINAL SIGN

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CURB RAMP AND PATH DETAILS	SHEET 152	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021302-CR - DETAILS.DWG
LAYOUT NAME - 13

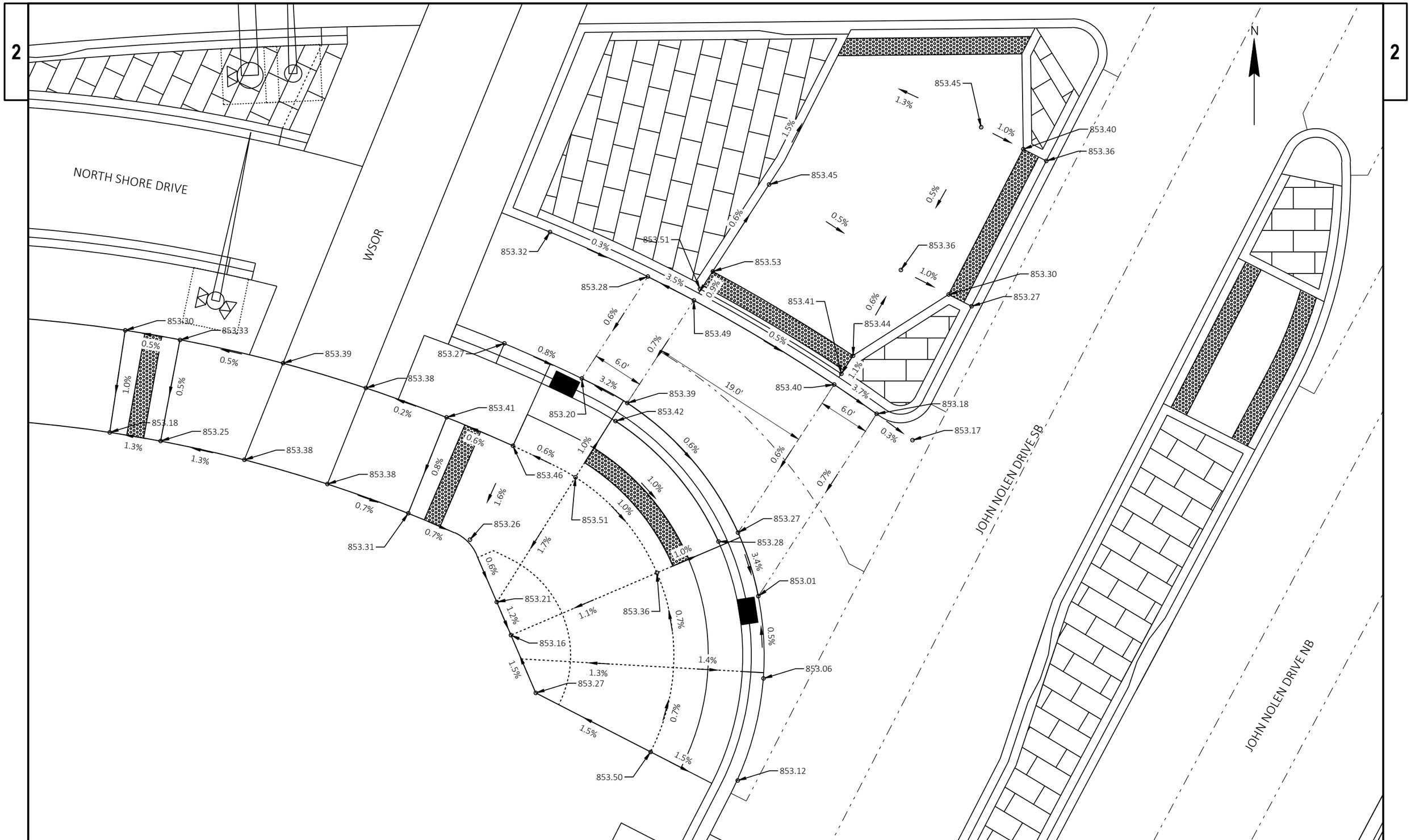
PLOT DATE : 5/23/2025 10:15 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : ##########

2



REFERENCE POINTS			
POINT NUMBER	STATION	OFFSET	ELEVATION
14-1	121+76.90	23.58' RT	852.31
14-2	121+86.96	23.60' RT	852.27
14-3	121+76.90	28.63' RT	852.37
14-4	121+86.98	28.60' RT	852.32
14-5	121+87.07	58.00' RT	850.03
14-6	121+76.90	57.91' RT	850.04

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY CURB RAMP DETAILS	SHEET 153	E



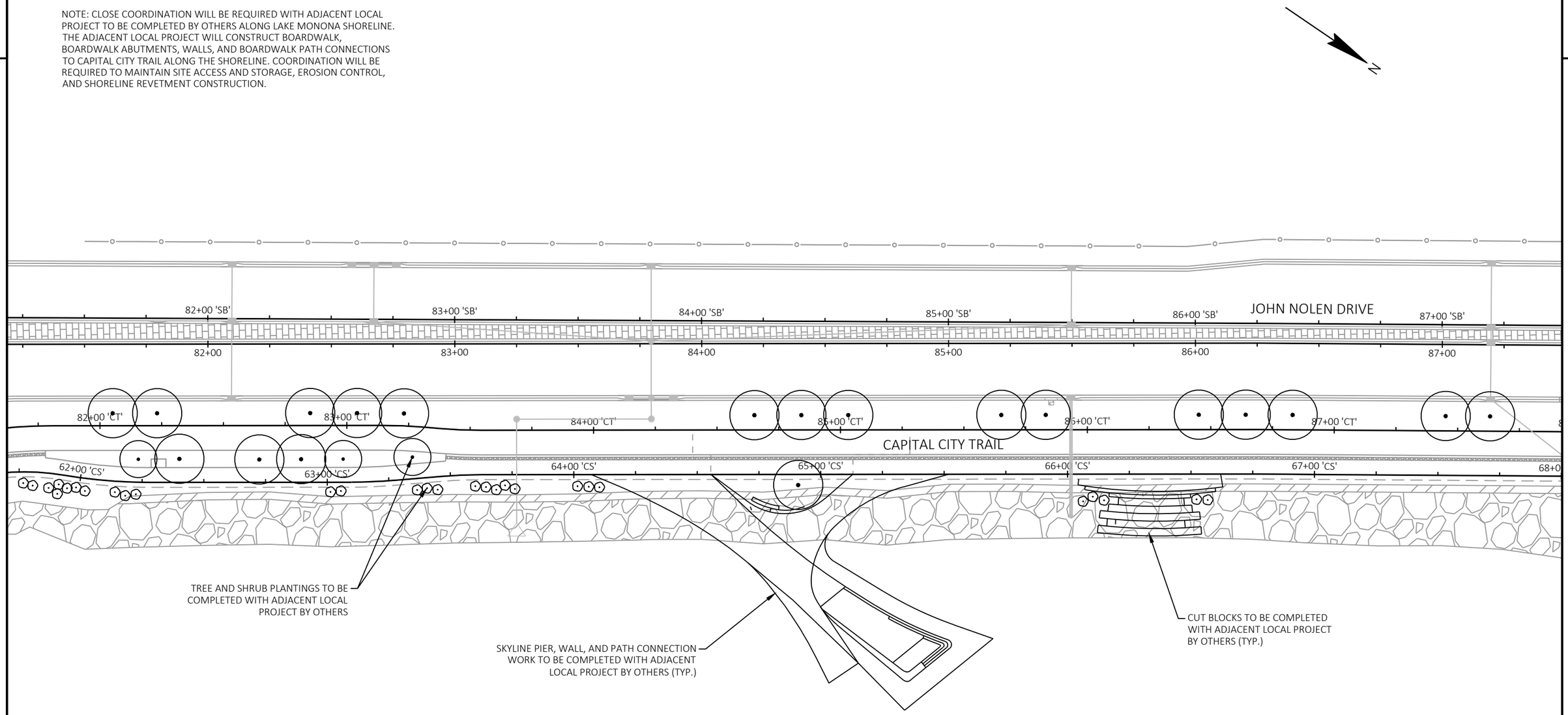
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	NORTH SHORE DRIVE RAISED CROSSWALK DETAIL	SHEET 154	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\021304-CR - DETAILS_RAISED CROSSWALK.DWG
LAYOUT NAME - Plan View
PLOT DATE : 5/23/2025 10:04 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

COORDINATION WITH ADJACENT LOCAL PROJECT

NOTE: CLOSE COORDINATION WILL BE REQUIRED WITH ADJACENT LOCAL PROJECT TO BE COMPLETED BY OTHERS ALONG LAKE MONONA SHORELINE. THE ADJACENT LOCAL PROJECT WILL CONSTRUCT BOARDWALK, BOARDWALK ABUTMENTS, WALLS, AND BOARDWALK PATH CONNECTIONS TO CAPITAL CITY TRAIL ALONG THE SHORELINE. COORDINATION WILL BE REQUIRED TO MAINTAIN SITE ACCESS AND STORAGE, EROSION CONTROL, AND SHORELINE REVETMENT CONSTRUCTION.

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ADJACENT PROJECT COORDINATION- MADISON LAKEWAY	SHEET 155	E

2

N

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE STA 102+00 'CT'

TREE AND SHRUB PLANTINGS TO BE COMPLETED WITH ADJACENT LOCAL PROJECT BY OTHERS

BOARDWALK, WALL, AND PATH CONNECTION WORK TO BE COMPLETED WITH ADJACENT LOCAL PROJECT BY OTHERS (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ADJACENT PROJECT COORDINATION- MADISON LAKEWAY	SHEET 156	E

2

N

JOHN NOLEN DRIVE

102+00 'SB' 103+00 'SB' 104+00 'SB' 105+00 'SB' 106+00 'SB' 107+00 'SB' 108+

102+00 103+00 104+00 105+00 106+00 107+00

MATCH LINE STA 102+00 'CT'

0 'CT' 103+00 'CT' 104+00 'CT' 105+00 'CT' 106+00 'CT' 107+00 'CT' 108+00 'CT'

CAPITAL CITY TRAIL

82+00 'CS' 83+00 'CS' 84+00 'CS' 85+00 'CS' 86+00 'CS' 87+00 'CS' 88+0

TREE AND SHRUB PLANTINGS TO BE COMPLETED WITH ADJACENT LOCAL PROJECT BY OTHERS

BOARDWALK, WALL, AND PATH CONNECTION WORK TO BE COMPLETED WITH ADJACENT LOCAL PROJECT BY OTHERS (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ADJACENT PROJECT COORDINATION - MADISON LAKEWAY	SHEET 157	E

2

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY FIBER INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING FIBER SYSTEM.

N

SAYLE ST.

E LAKESIDE ST

LC4448

EXSL4446

EXPBX02

EXSL4444

EXSL4442

EXSL4440

JOHN NOLEN DR

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+0

72+00'NB' 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+0

EXPBX03

MATCHLINE 77+00'SB'

JOHN NOLEN DR

EXSL4447

EXPBX01

EXSL4443

CAPITOL CITY TRAIL

EXPBX04

EXSL4441

EXSL4439

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 158	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 01

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

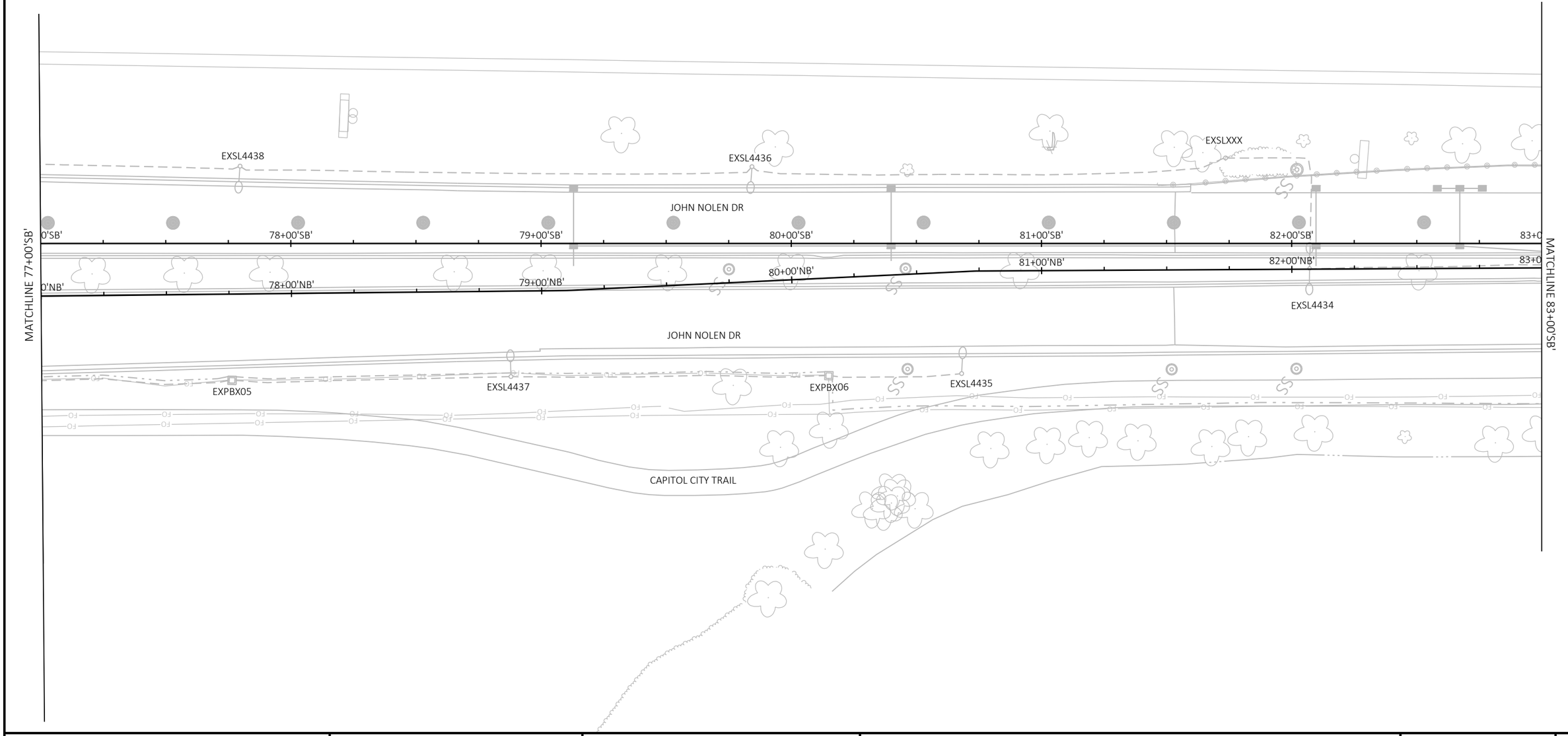
TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY FIBER INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING FIBER SYSTEM.



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 159	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

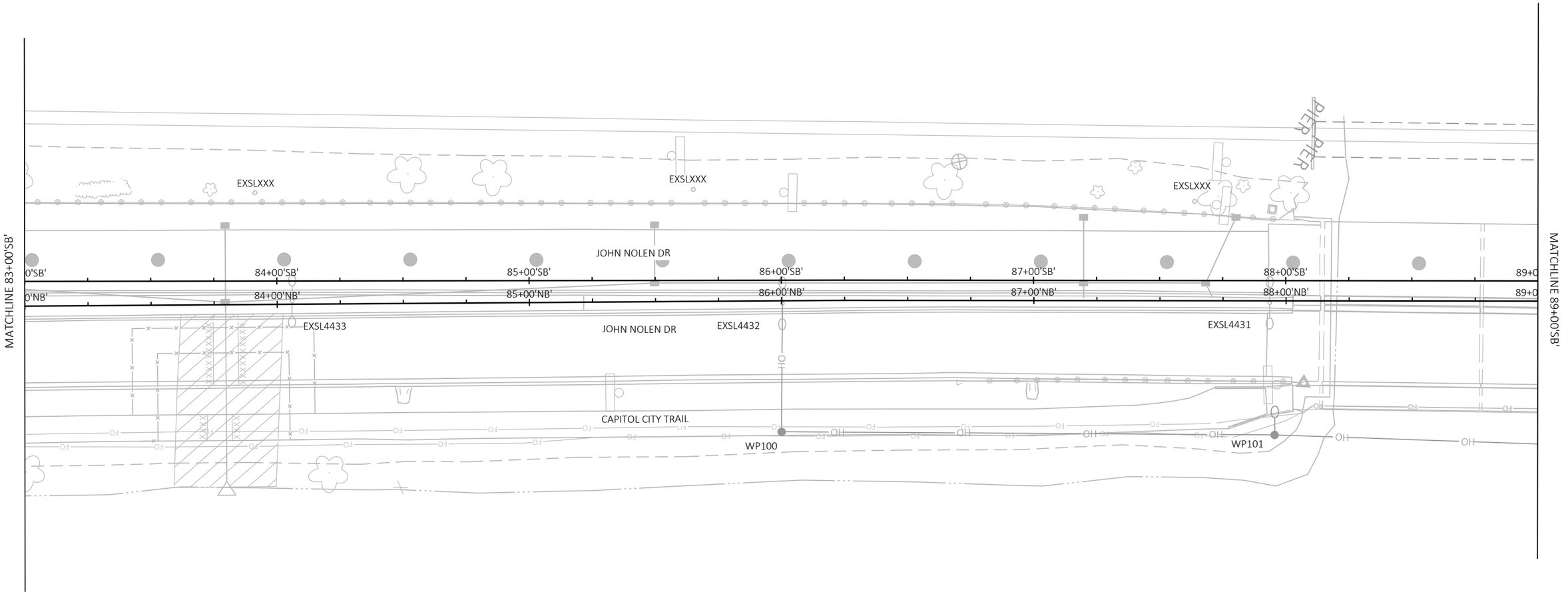
TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY FIBER INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING FIBER SYSTEM.



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 160	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 03

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

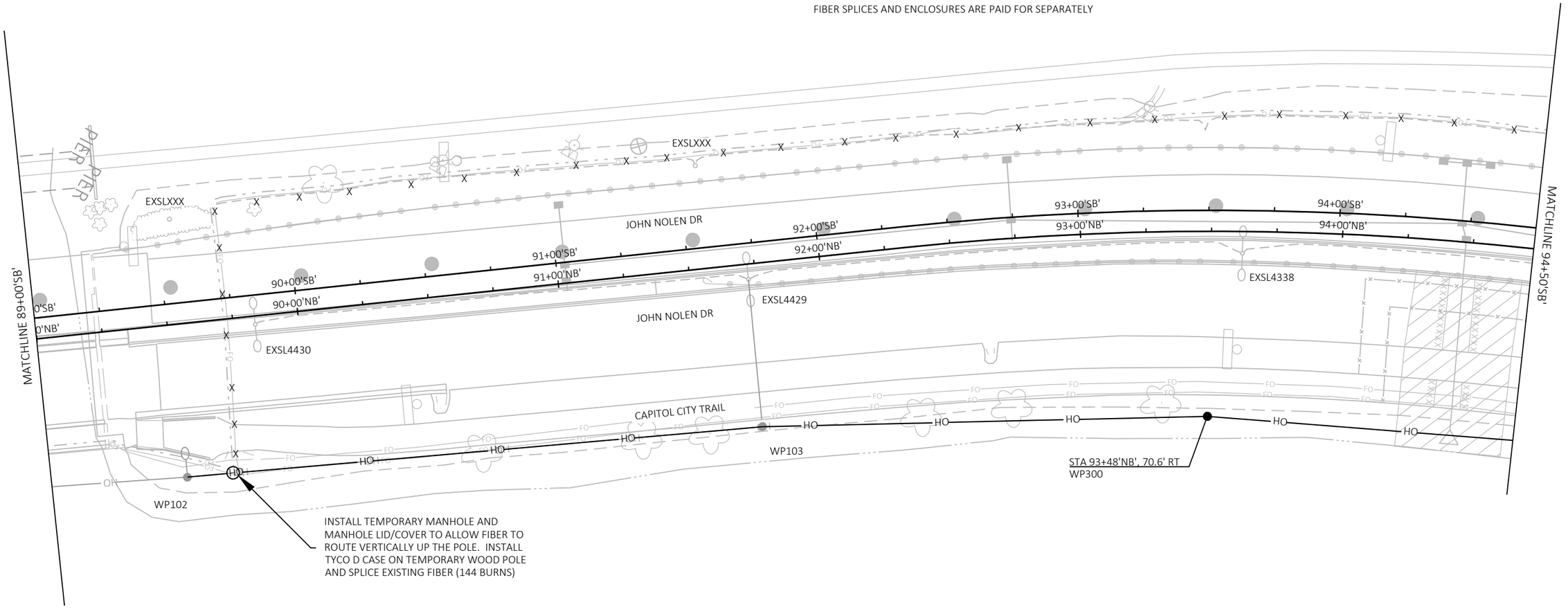
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
525 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
1 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
1 EA	TEMPORARY MANHOLE
1 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 161	E

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

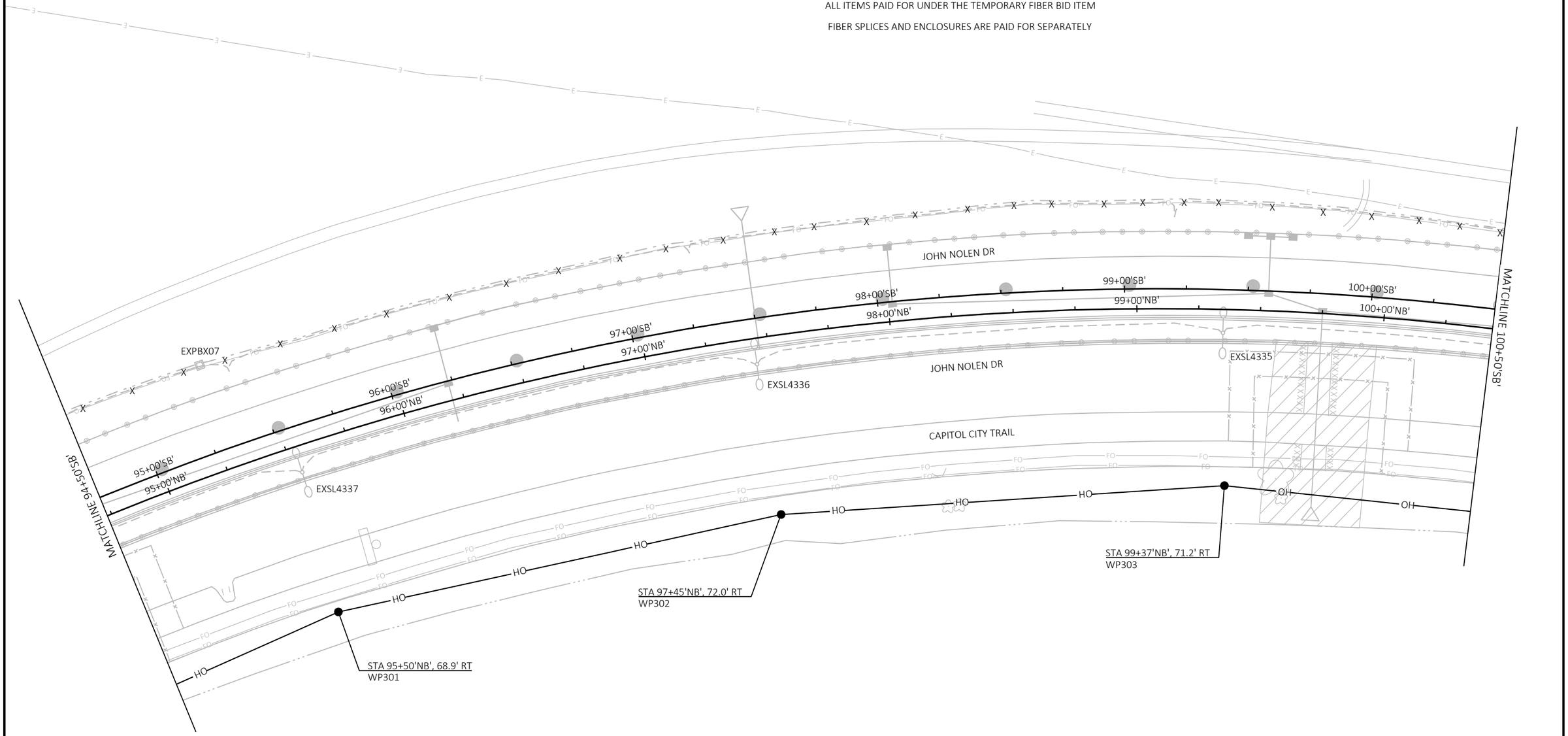
1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
550 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 162	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 05

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

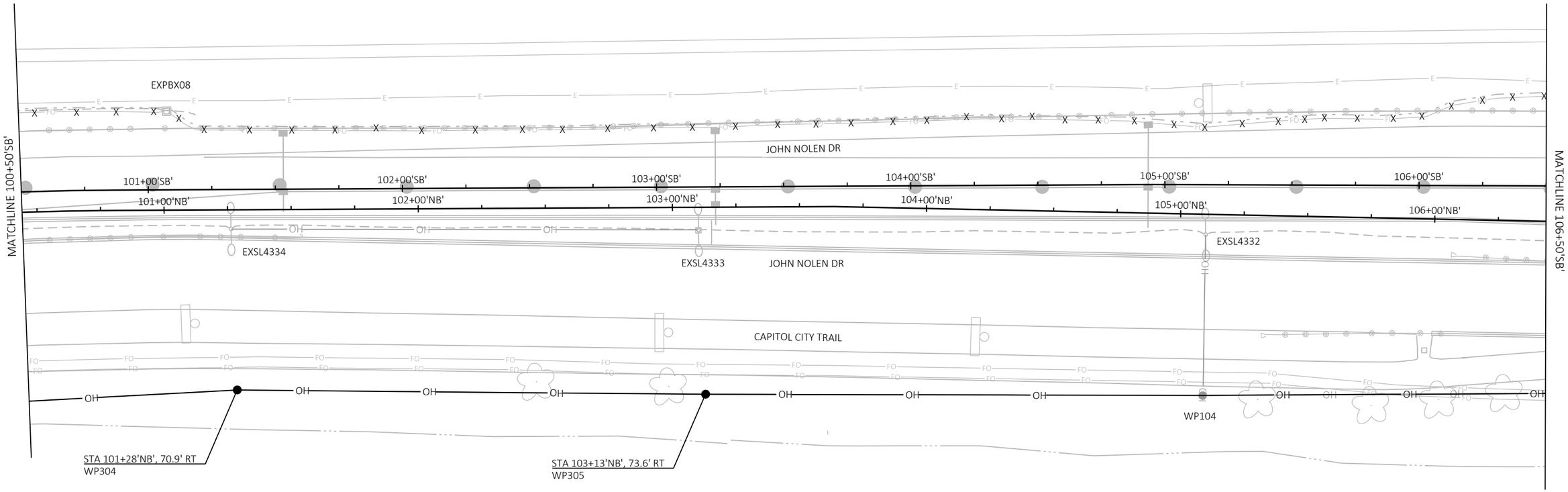
MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
2 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
600 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY

N

2



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 163	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 06

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

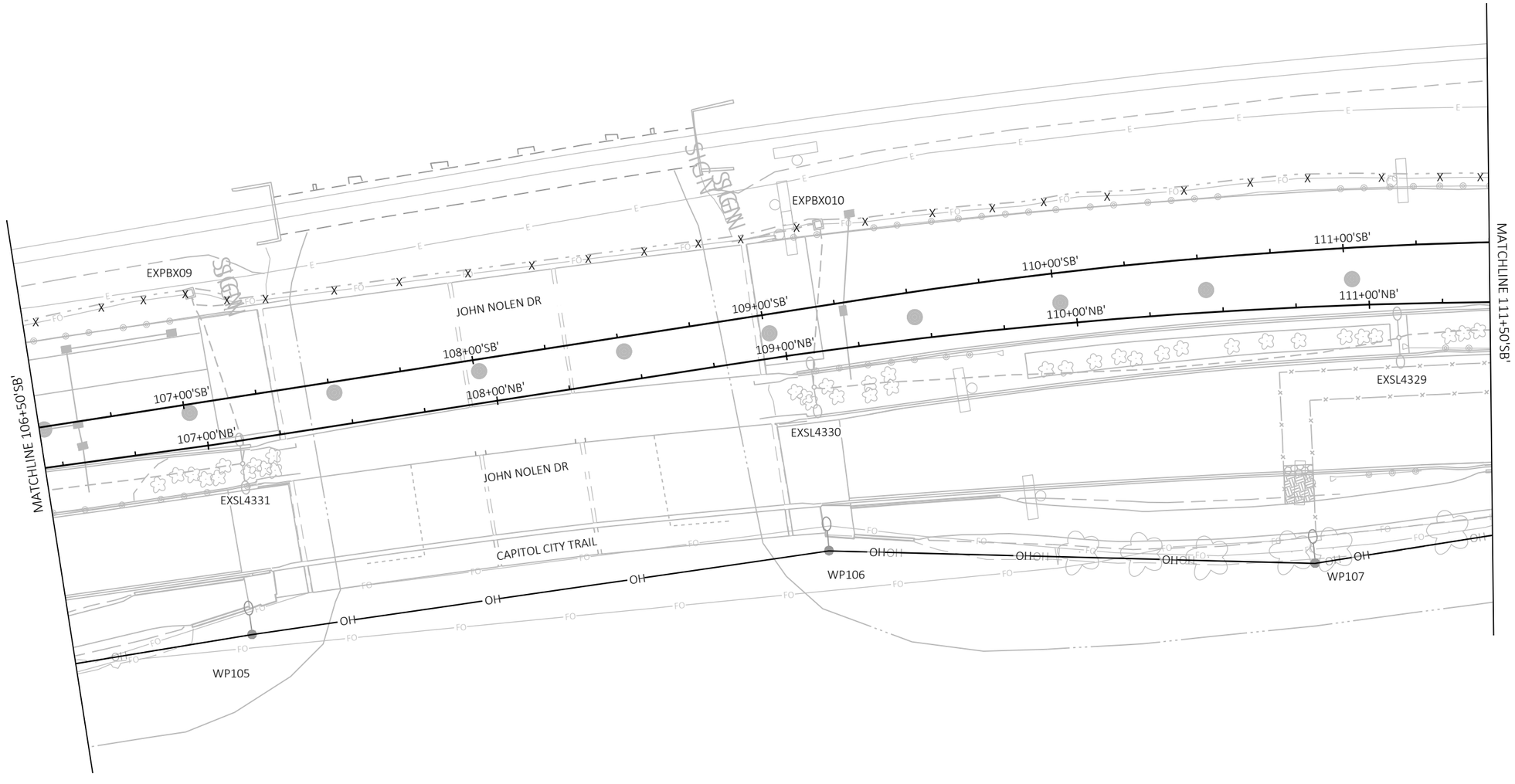
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
525 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

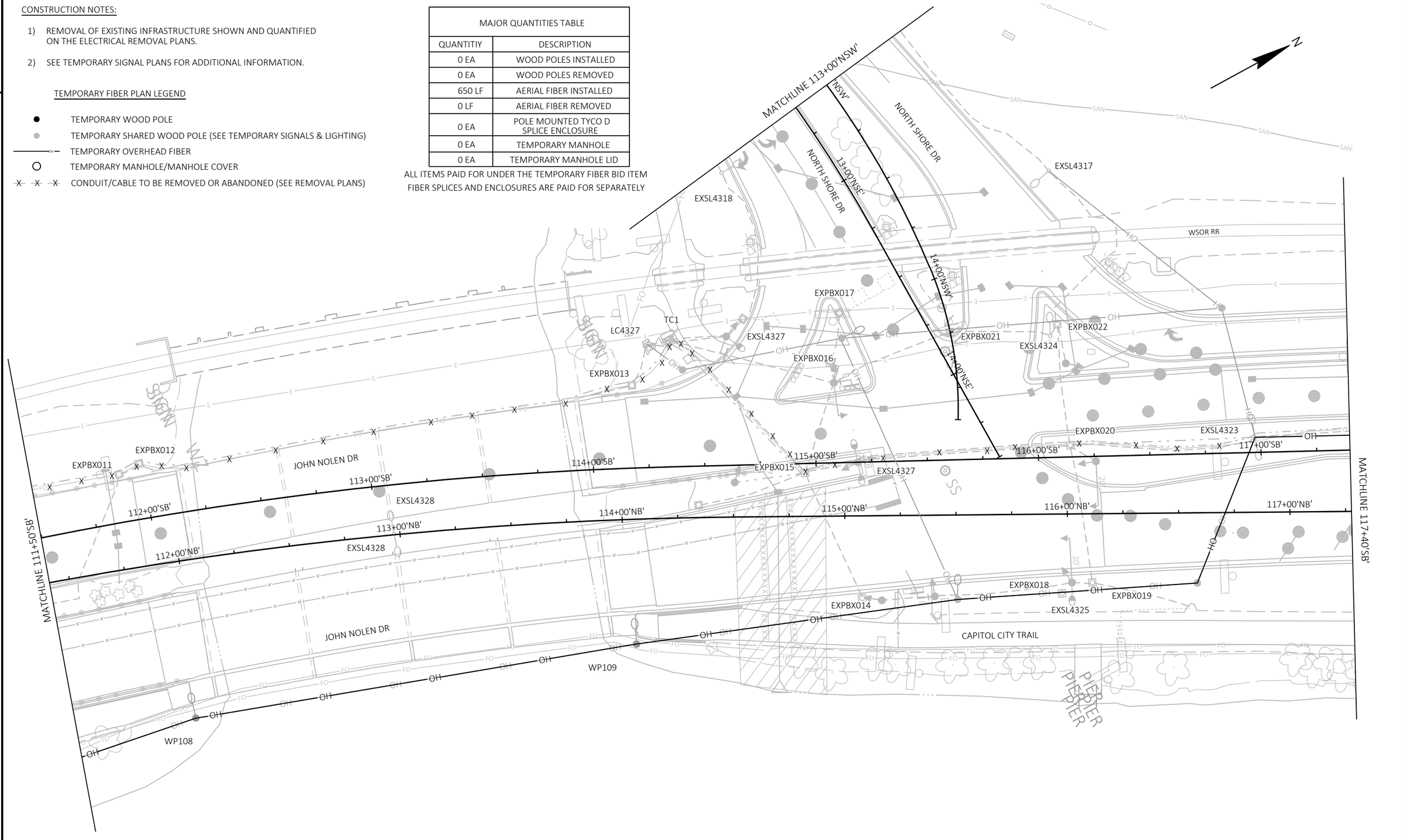
2) SEE TEMPORARY SIGNAL PLANS FOR ADDITIONAL INFORMATION.

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
650 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

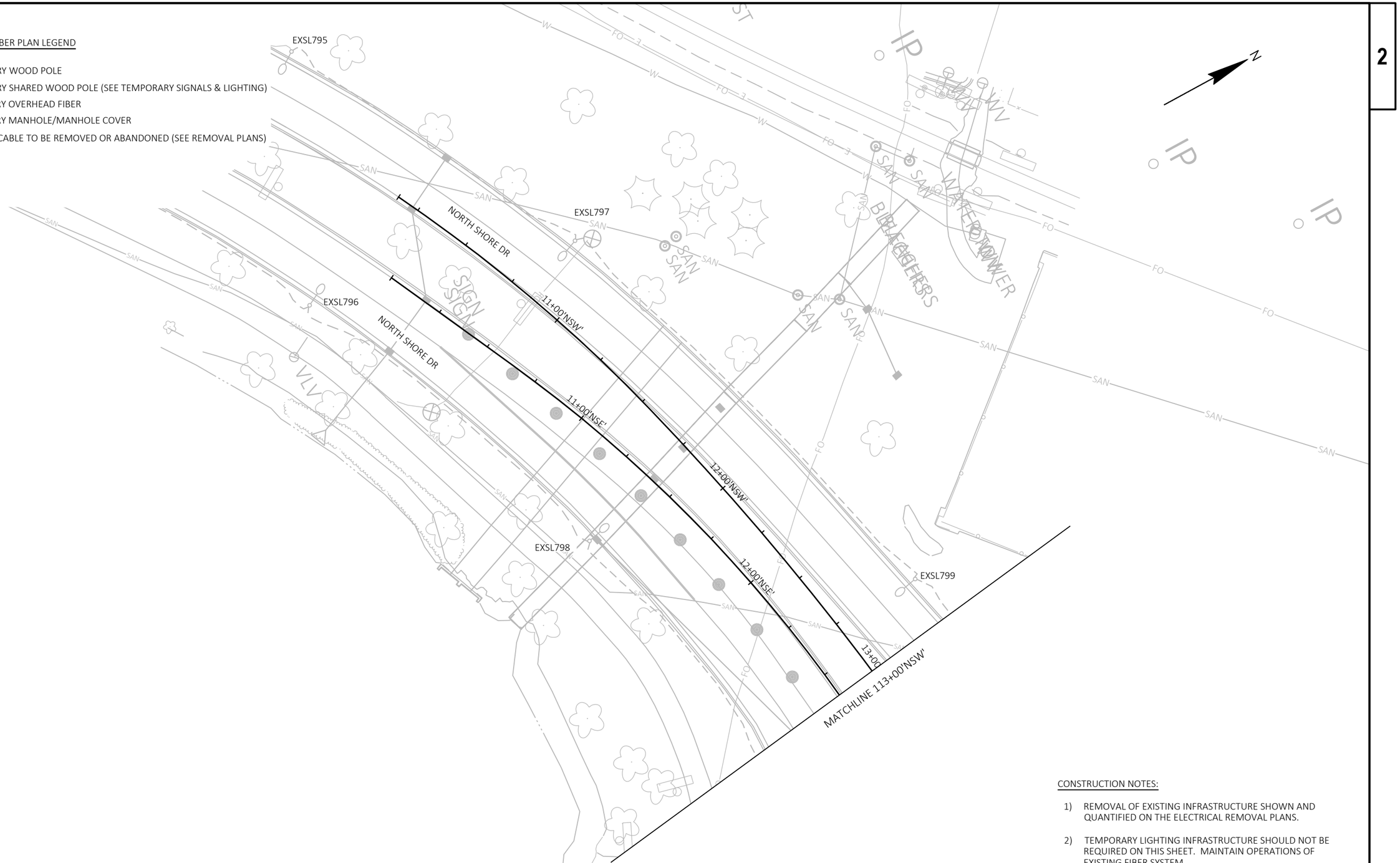
ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM
FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)



CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING FIBER SYSTEM.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 166	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - North Shore Dr (2)
PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

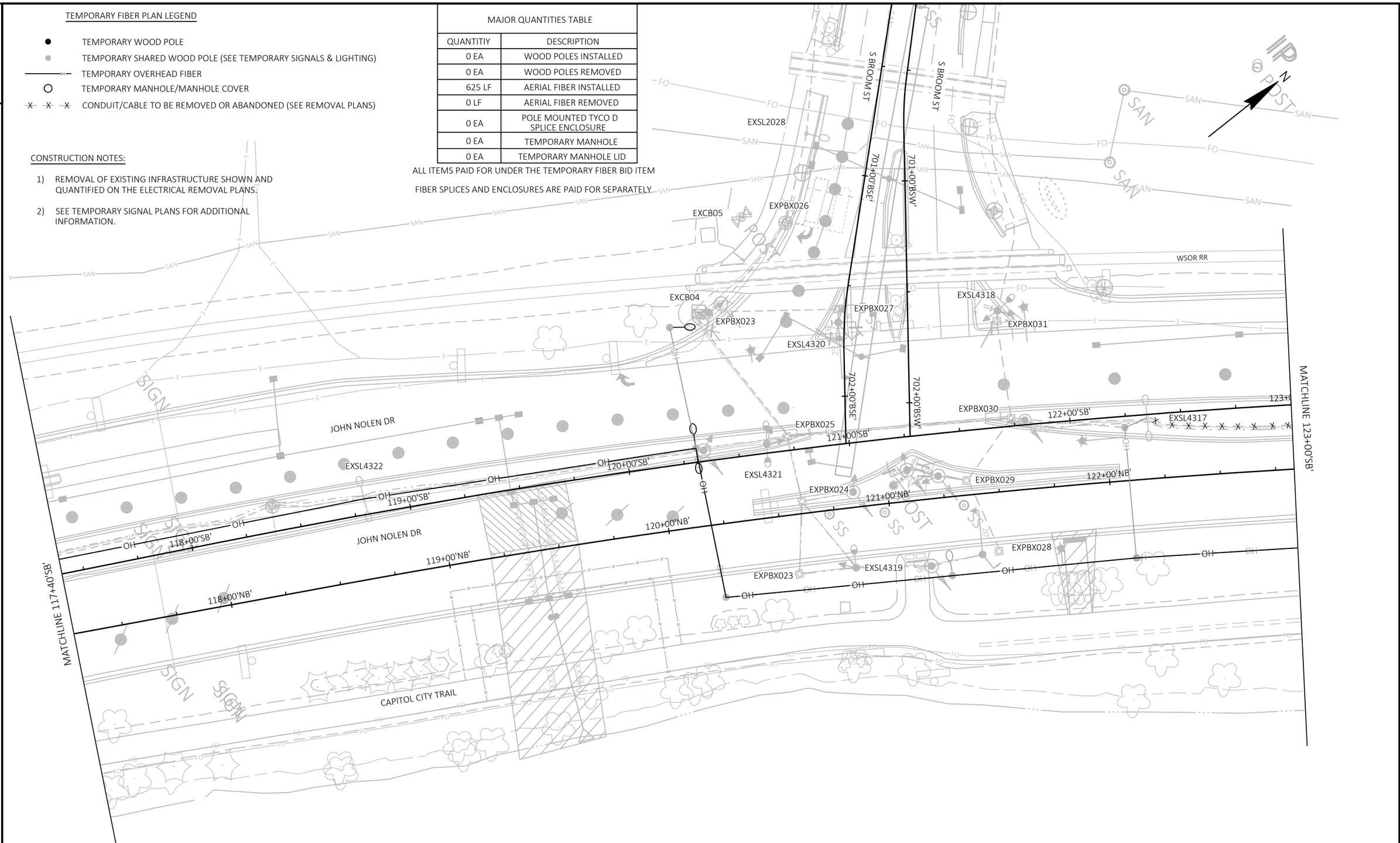
1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) SEE TEMPORARY SIGNAL PLANS FOR ADDITIONAL INFORMATION.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 167	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - Broom St

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

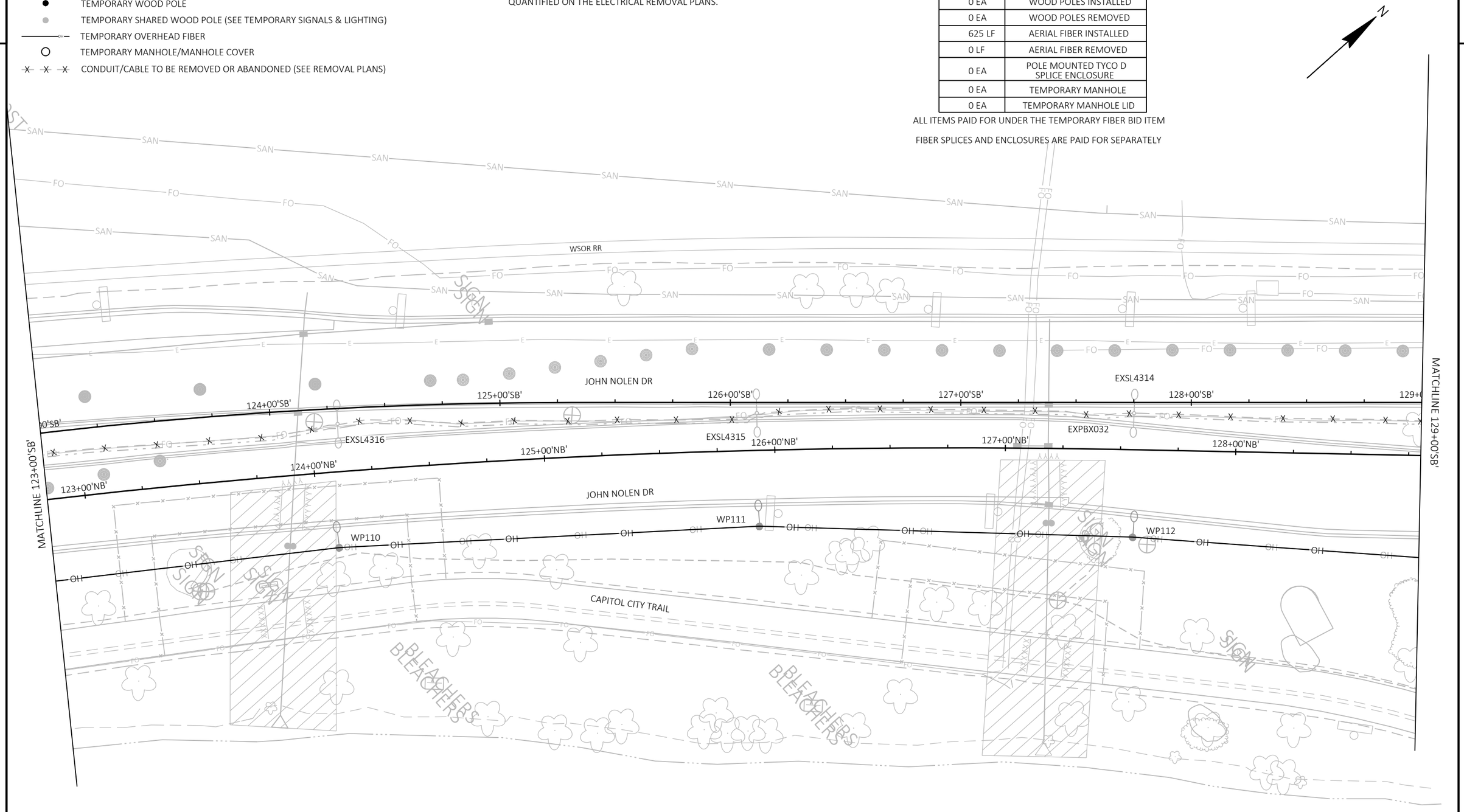
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

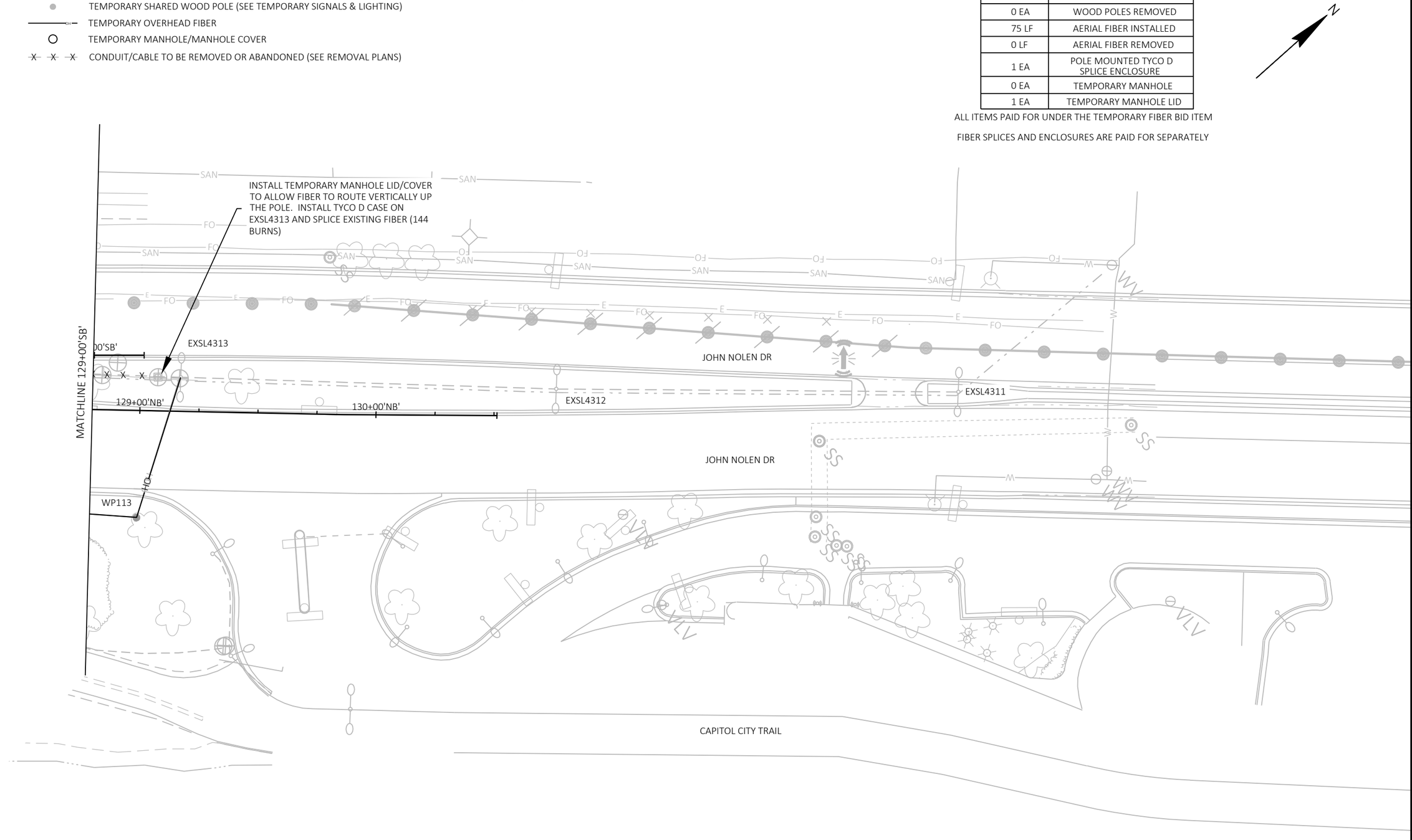
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
75 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
1 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
1 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



2

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 1 - 2B	SHEET 169	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 1.DWG
LAYOUT NAME - 11

PLOT DATE : 5/22/2025 3:53 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
650 LF	AERIAL FIBER INSTALLED
575 LF	AERIAL FIBER REMOVED
1 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
1 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY

N

SAYLE ST.

E LAKESIDE ST

LC4448

EXSL4446

EXPBX02

EXSL4444

EXSL4442

EXSL4440

JOHN NOLEN DR

72+00'SB'

73+00'SB'

74+00'SB'

75+00'SB'

76+00'SB'

77+00'SB'

MATCHLINE 77+00'SB'

72+00'NB'

73+00'NB'

74+00'NB'

75+00'NB'

76+00'NB'

EXPBX03

JOHN NOLEN DR

EXSL4447

EXPBX01

EXSL4443

CAPITOL CITY TRAIL

EXPBX04

EXSL4441

EXSL4439

STA 105+10'NB', 71.2' RT
WP310

INSTALL TEMPORARY MANHOLE LID/COVER TO ALLOW FIBER TO ROUTE VERTICALLY UP THE POLE. INSTALL TYCO D CASE IN EXPBX01 AND SPLICE EXISTING FIBER (144 BURNS)

GENERAL NOTES:

1) STAGE 1 TEMPORARY AND EXISTING LIGHTING SHALL BE MAINTAINED THROUGH STAGE 2 TRAFFIC CONTROL, OR UNTIL STAGE 2 TEMPORARY LIGHTING IS OPERATIONAL.

2) STAGE 2 TEMPORARY LIGHTING TO BE INSTALLED DURING TRAFFIC CONTROL STAGE 2 AND OPERATIONAL AT THE START OF TRAFFIC CONTROL STAGE 3 UNTIL PERMANENT LIGHTING IS OPERATIONAL.

3) STAGE 3 TRAFFIC CONTROL SHOWN FOR OPERATIONAL CLARITY.

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 170	E

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

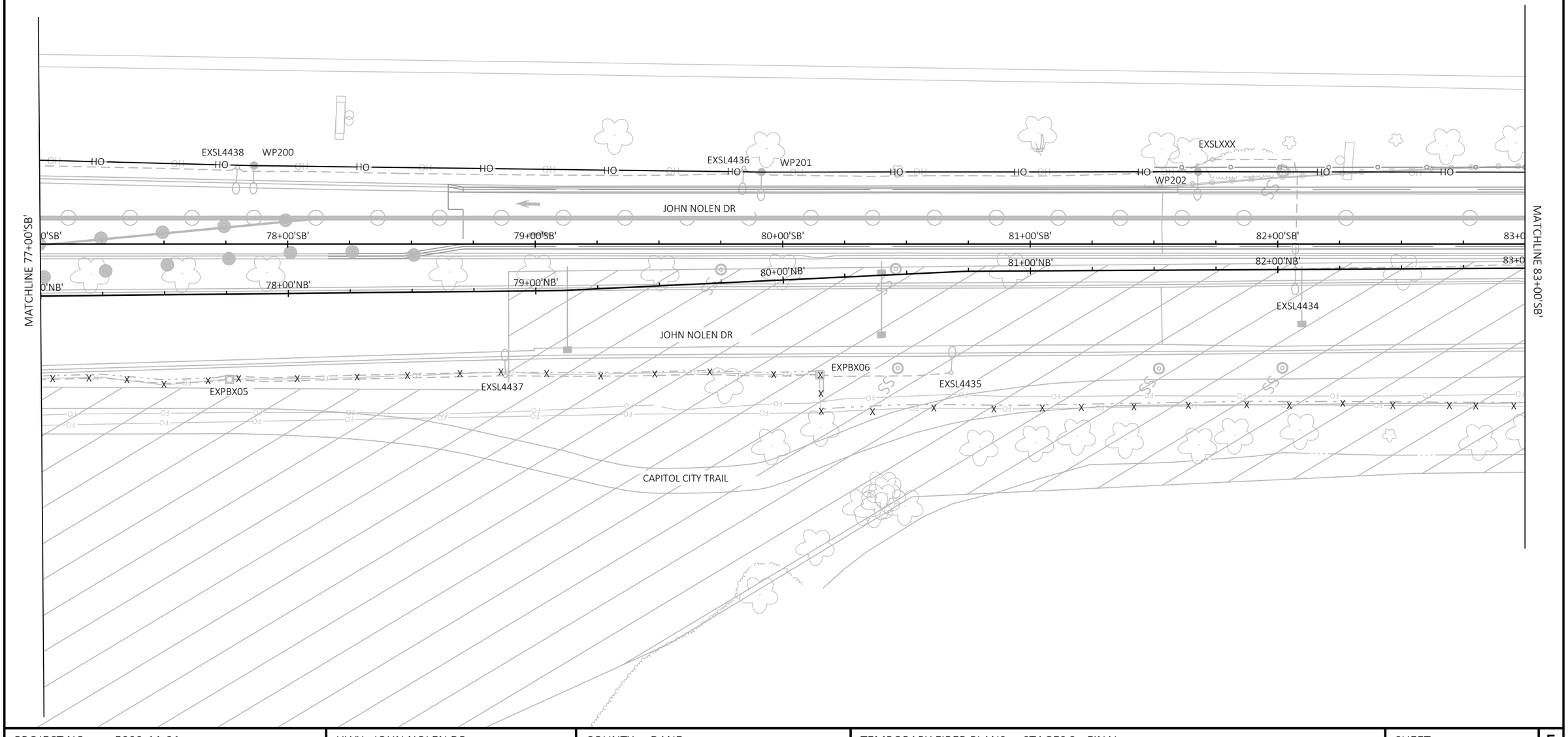
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
625 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 171	E

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

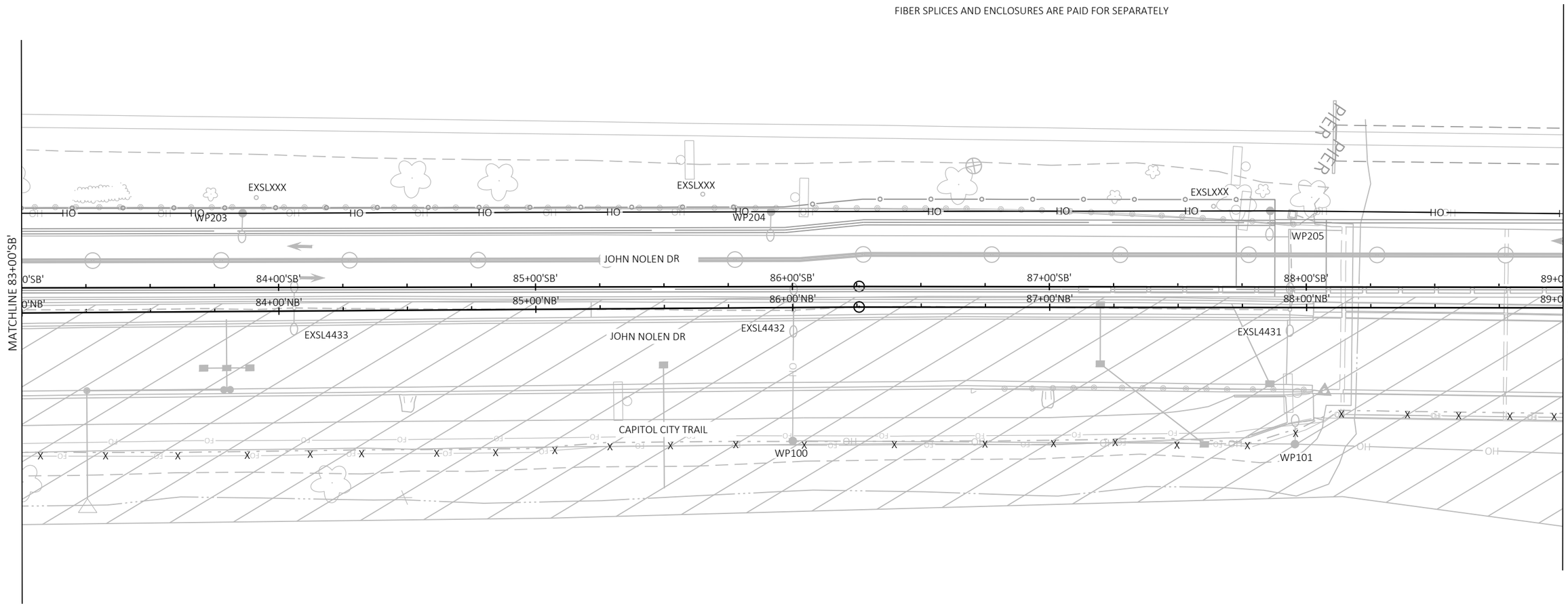
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
0 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 172	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - 03

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

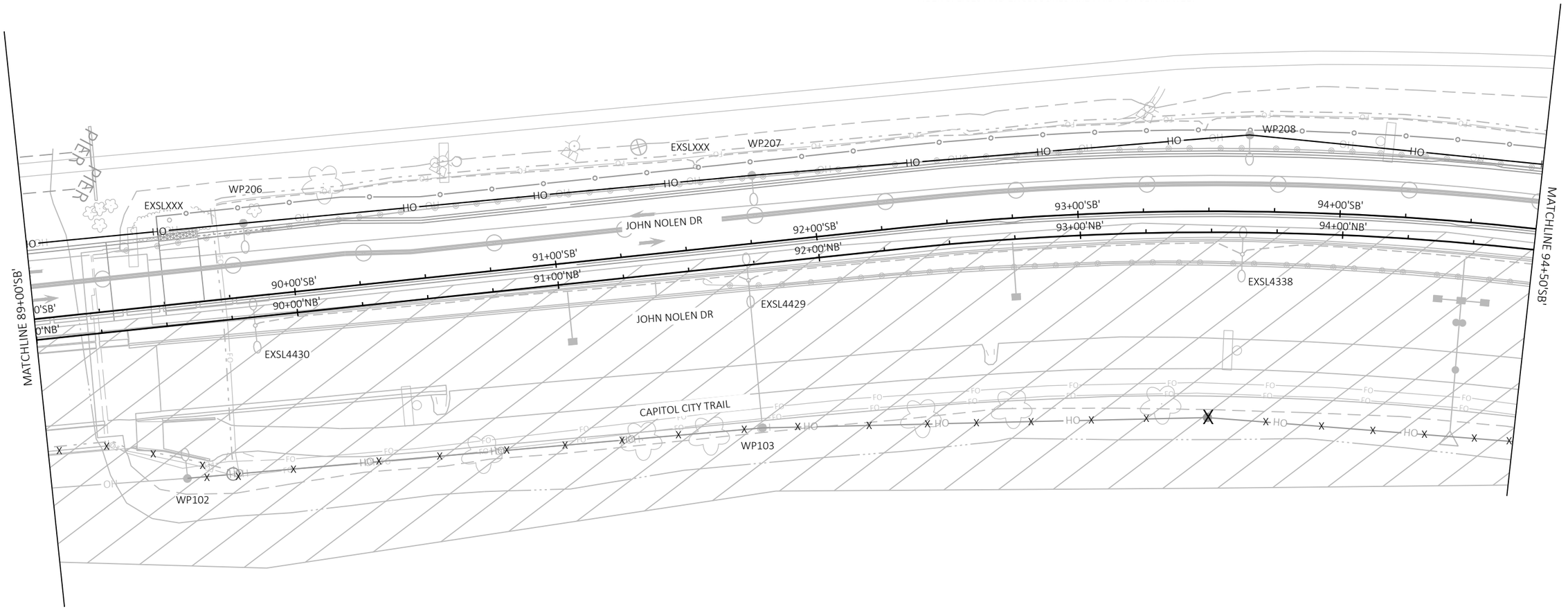
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
1 EA	WOOD POLES REMOVED
575 LF	AERIAL FIBER INSTALLED
550 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 173	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - 04

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

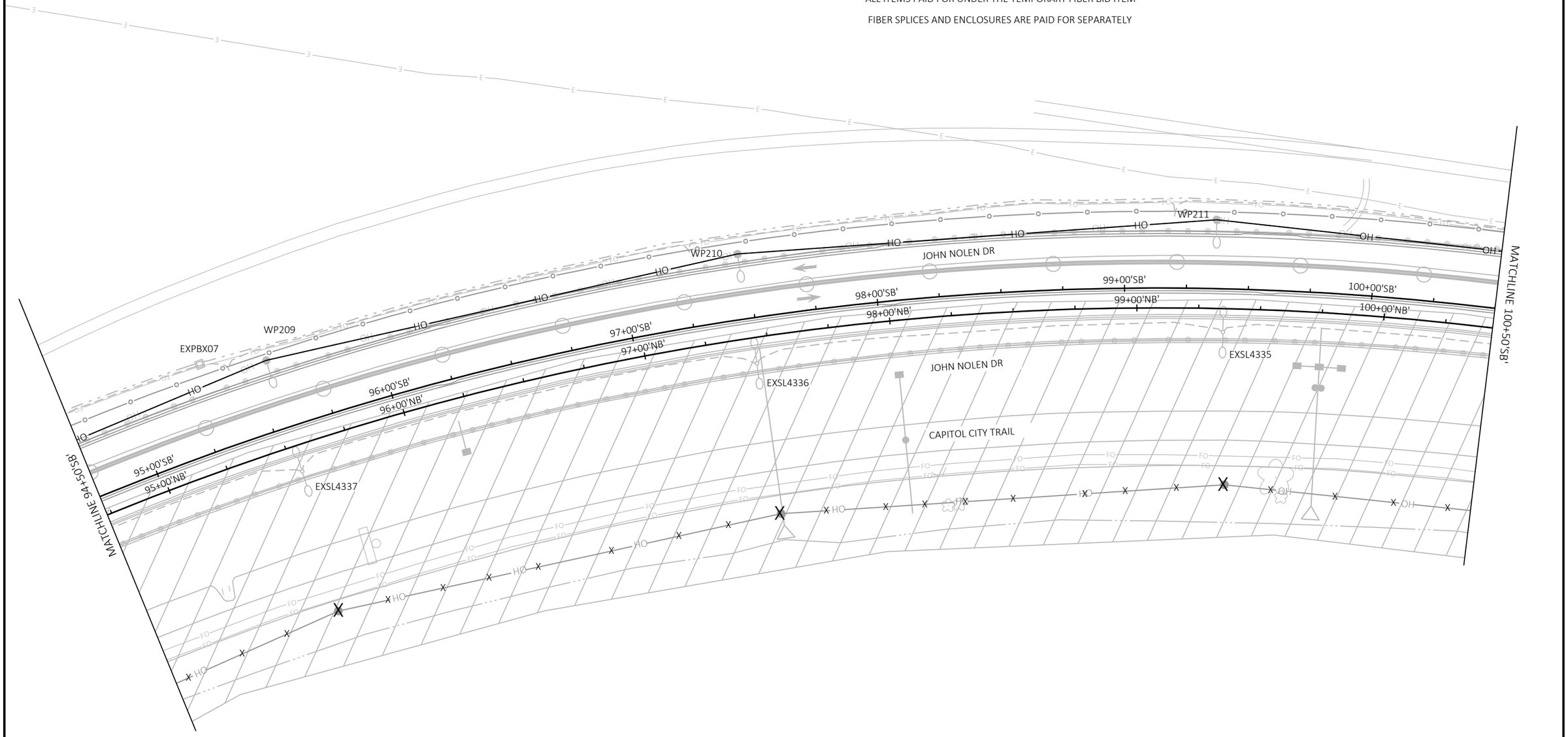
1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
3 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
550 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY

N



2

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 174	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - 05

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

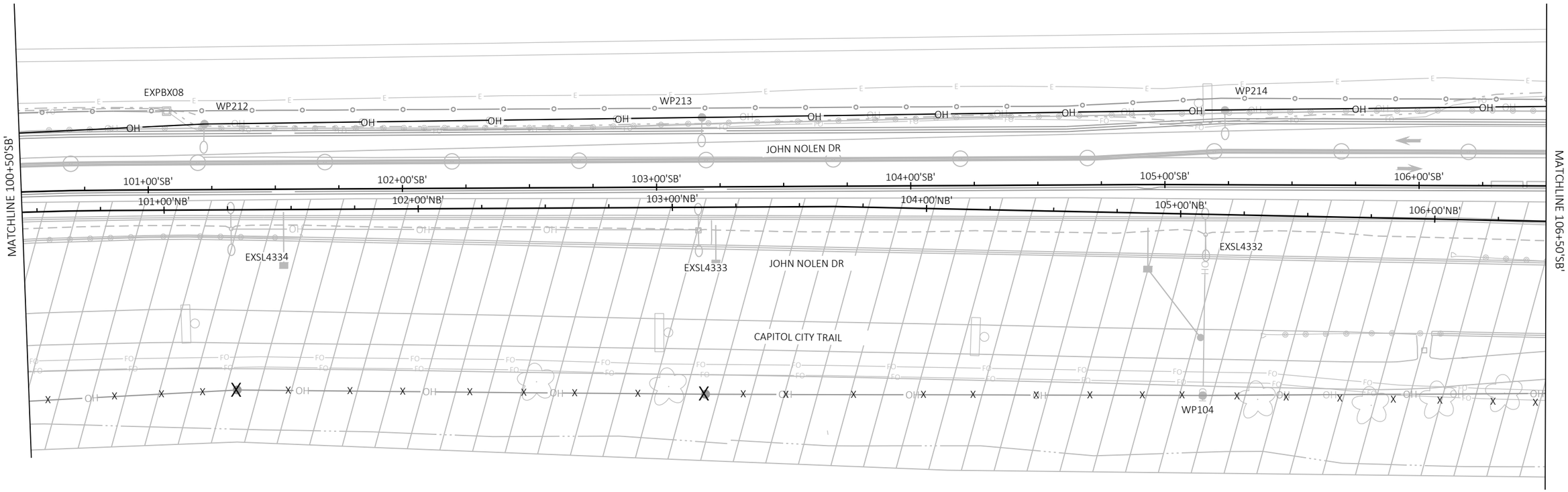
1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
2 EA	WOOD POLES REMOVED
625 LF	AERIAL FIBER INSTALLED
625 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY

N



2

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 175	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - 06

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

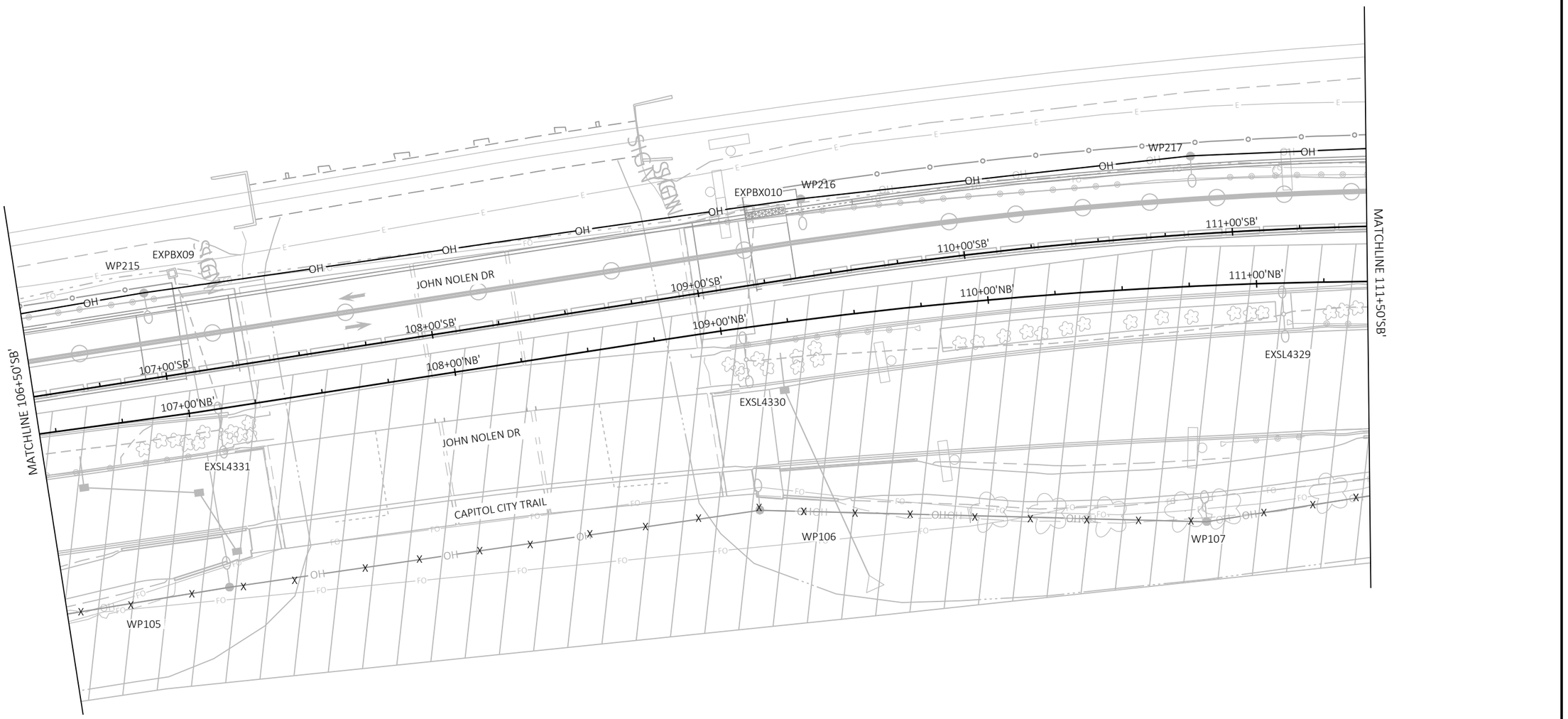
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
525 LF	AERIAL FIBER INSTALLED
500 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

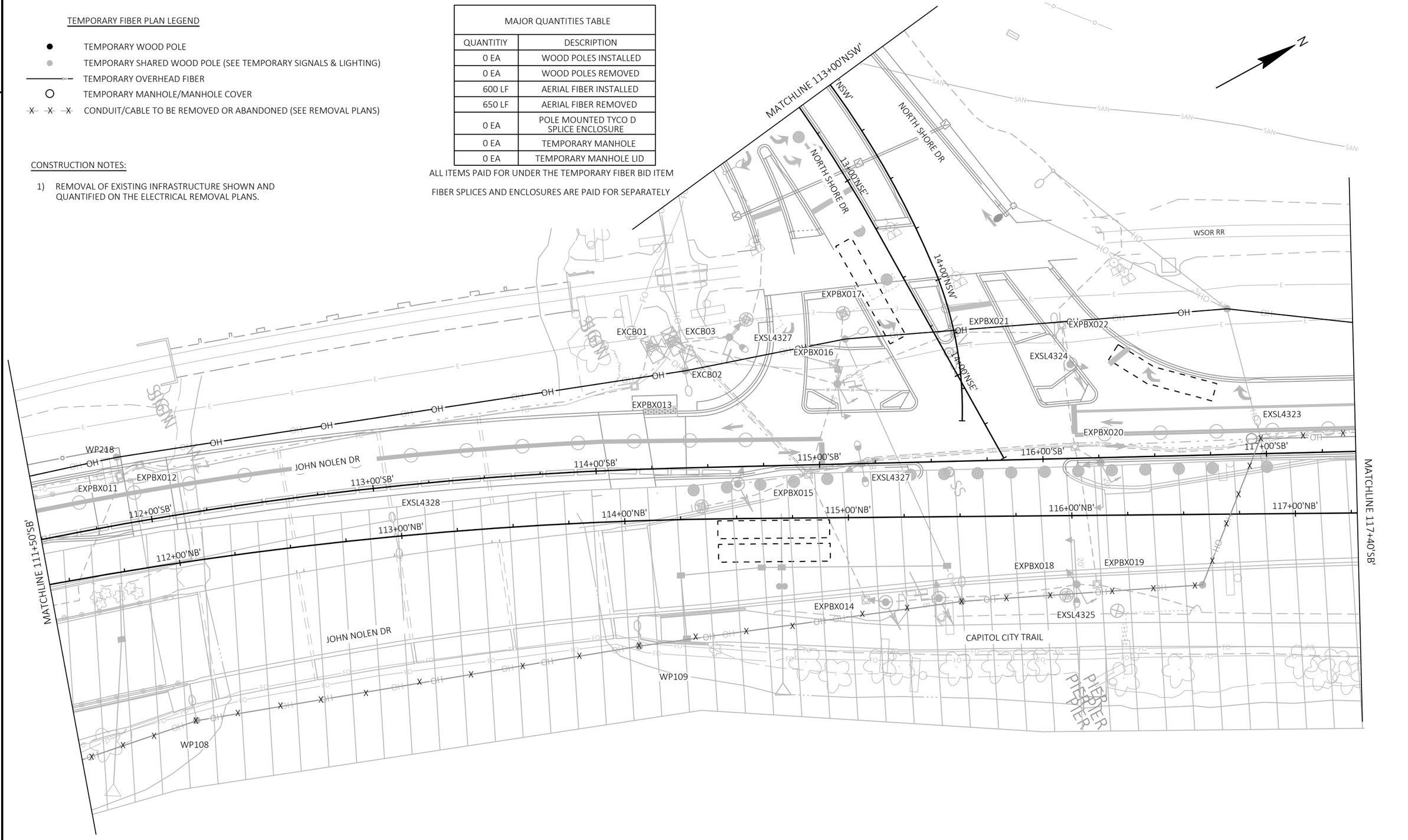
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
600 LF	AERIAL FIBER INSTALLED
650 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 177	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - North Shore Dr

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

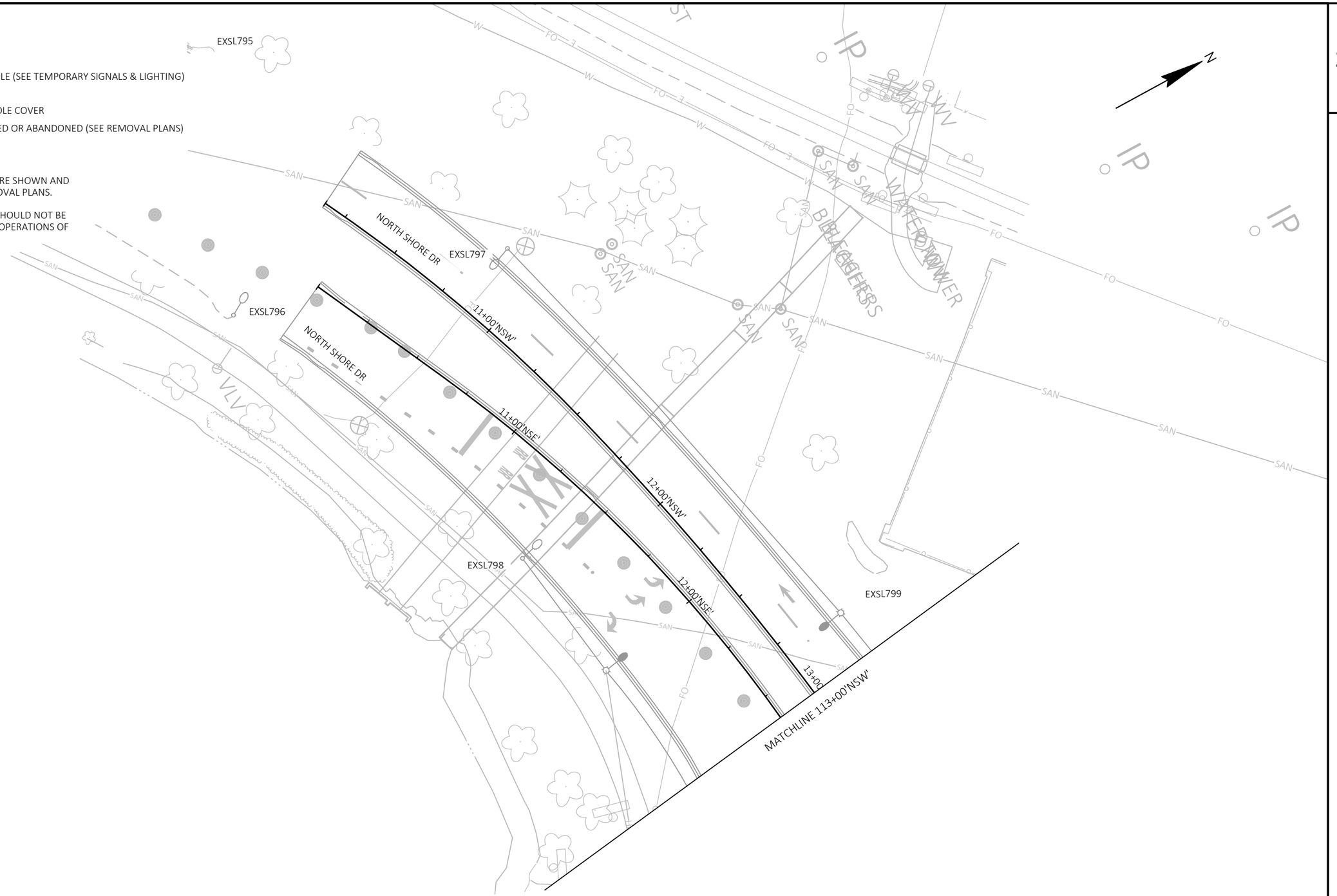
TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY FIBER INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING FIBER SYSTEM.



2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

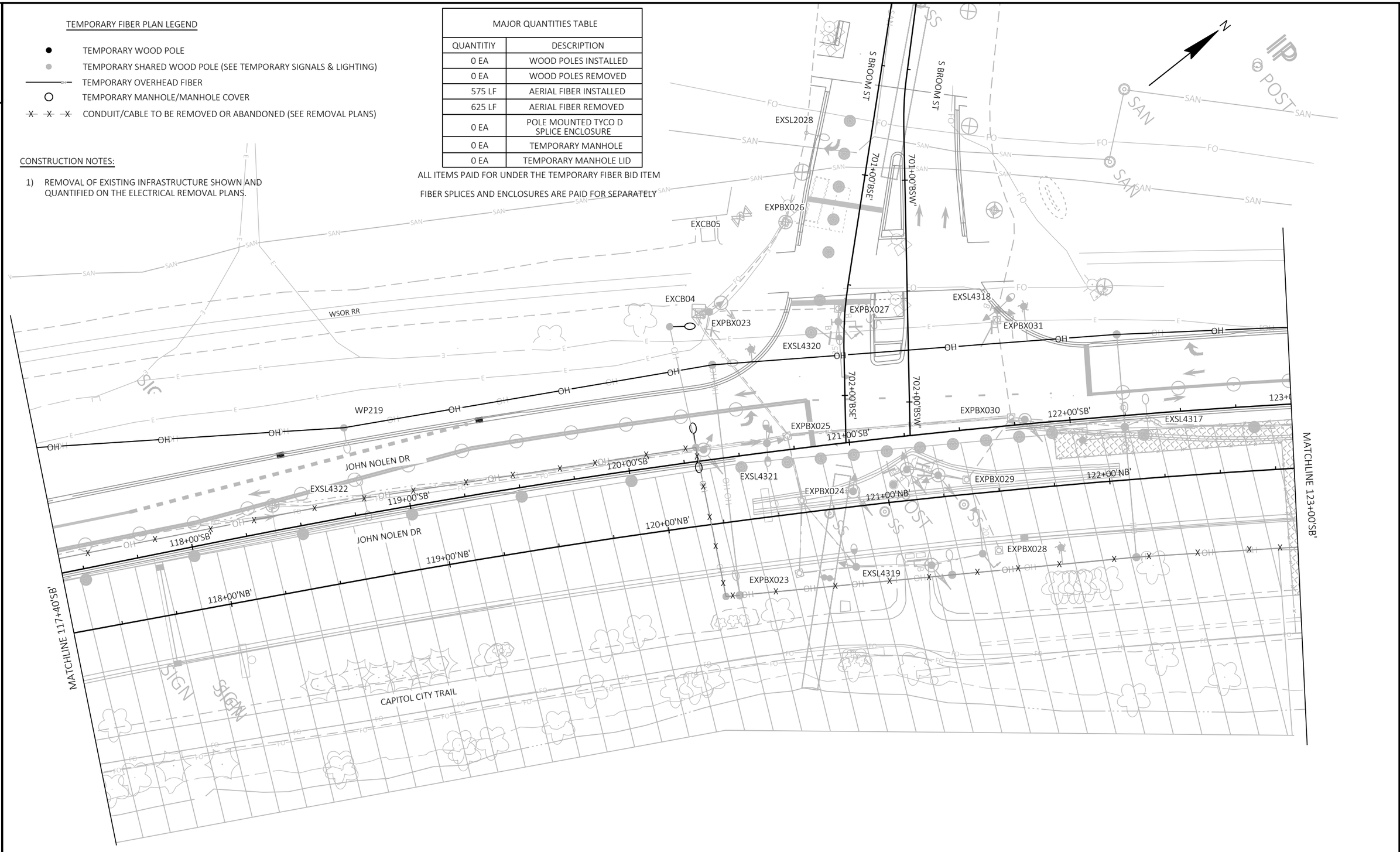
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
575 LF	AERIAL FIBER INSTALLED
625 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 179	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - Broom St

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

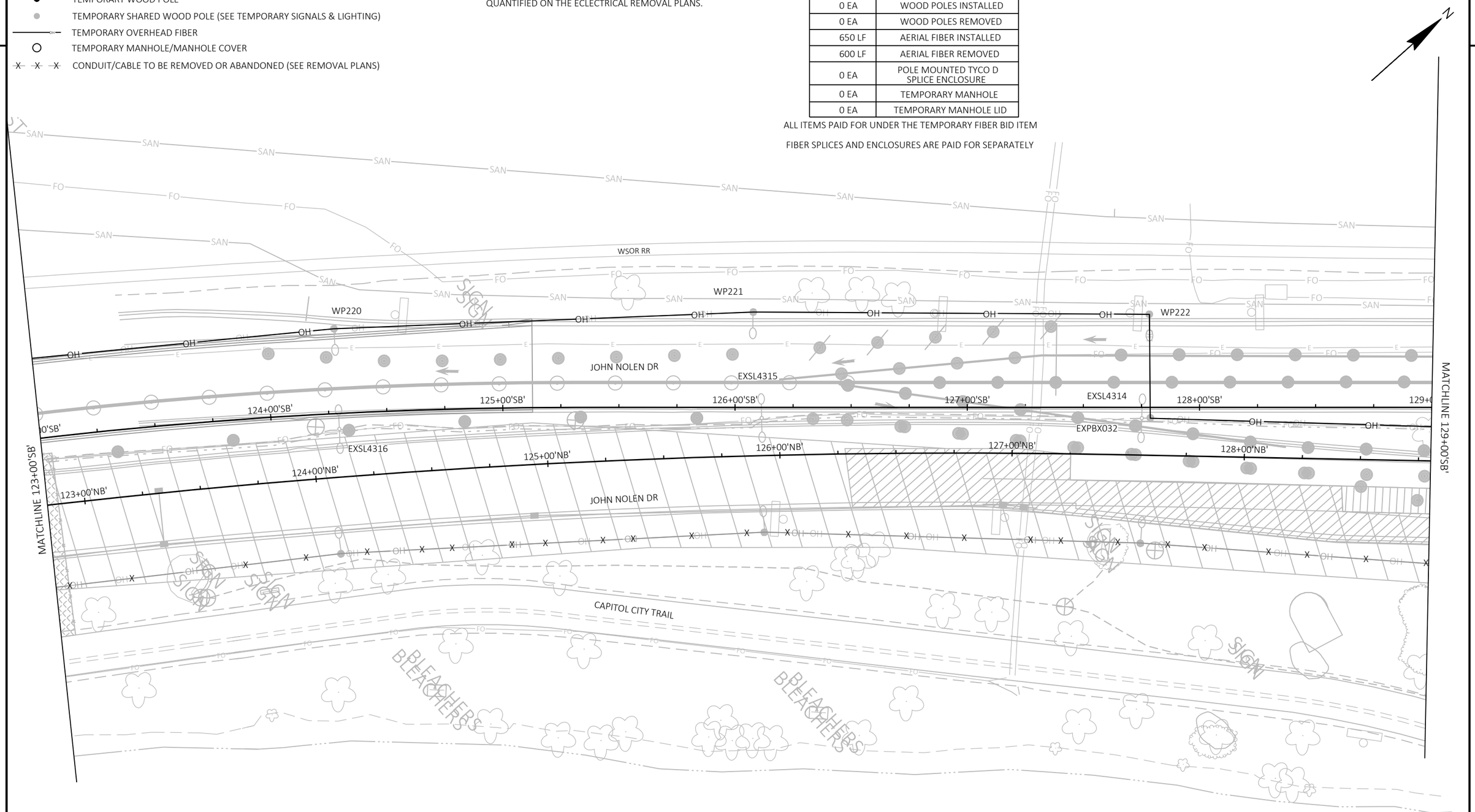
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ECLECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
650 LF	AERIAL FIBER INSTALLED
600 LF	AERIAL FIBER REMOVED
0 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY FIBER PLANS - STAGES 3 - FINAL	SHEET 180	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TEMP FIBER OPTIC PLAN - STAGE 2.DWG
LAYOUT NAME - 10

PLOT DATE : 5/22/2025 3:59 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY FIBER PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS & LIGHTING)
- TEMPORARY OVERHEAD FIBER
- TEMPORARY MANHOLE/MANHOLE COVER
- CONDUIT/CABLE TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

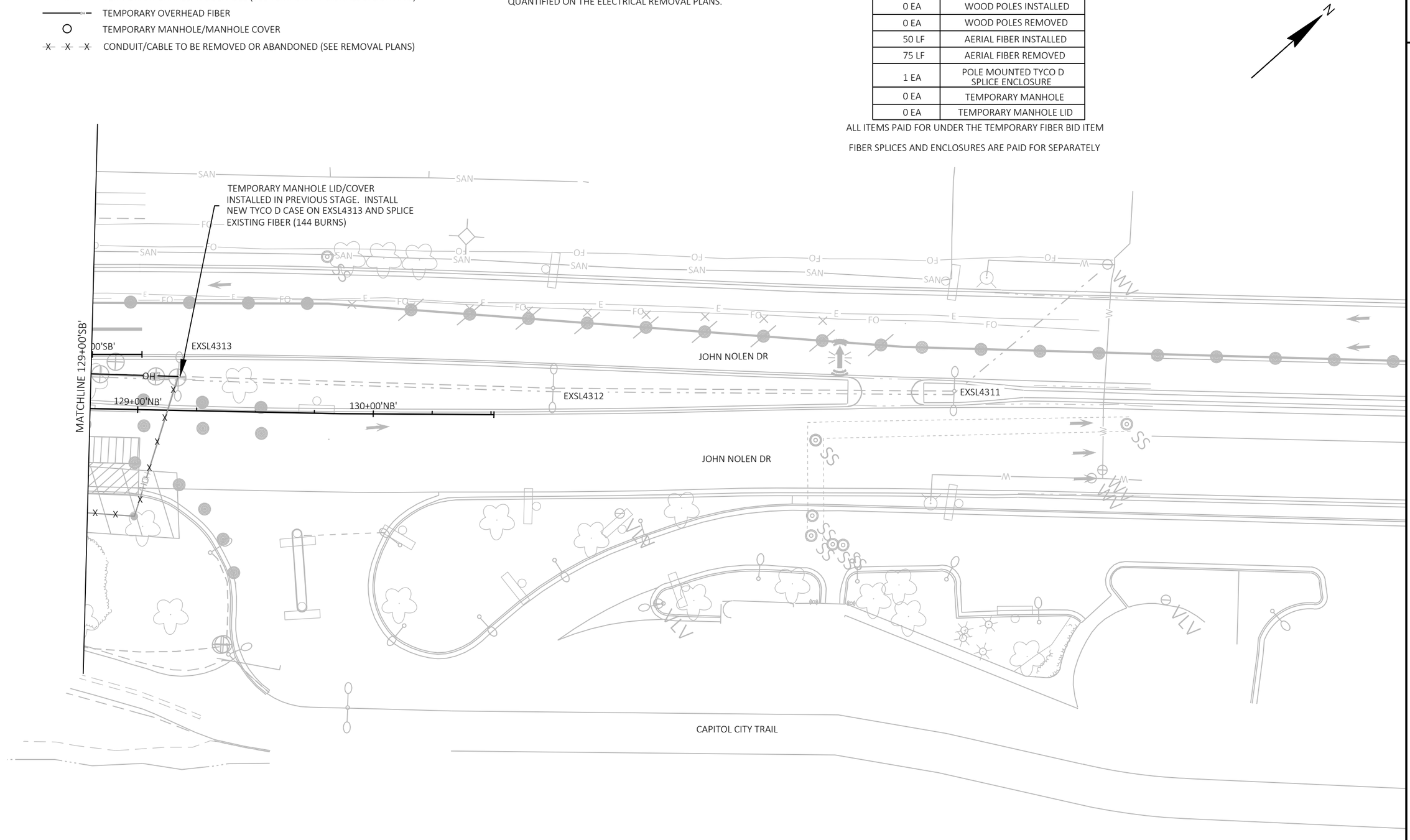
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
50 LF	AERIAL FIBER INSTALLED
75 LF	AERIAL FIBER REMOVED
1 EA	POLE MOUNTED TYCO D SPLICE ENCLOSURE
0 EA	TEMPORARY MANHOLE
0 EA	TEMPORARY MANHOLE LID

ALL ITEMS PAID FOR UNDER THE TEMPORARY FIBER BID ITEM

FIBER SPLICES AND ENCLOSURES ARE PAID FOR SEPARATELY



2

SAYLE ST

E LAKESIDE ST

EXISTING CONDUIT & FIBER
24 CT FIBER TO FRANKLIN ELEMENTARY
6 CT FIBER TO TE CABINET
PROTECT IN PLACE

EXISTING CONDUIT & FIBER
144 CT FIBER TO WNOC
PROTECT IN PLACE

EXISTING CONDUIT & FIBER
24 CT TO FRANKLIN ELEMENTARY
6 CT TO TE CABINET
144 CT TO WNOC
PROTECT IN PLACE

JOHN NOLEN DR

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+0

71+00'NB' 72+00'NB' 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+0

JOHN NOLEN DR

STA 71+30'NB', 41.1' RT
HH500

CAPITOL CITY TRAIL

EXISTING CONDUIT & FIBER
24 CT TO PARKS
PROTECT IN PLACE

3" CONDUIT
288 CT FIBER
#12 AWG TRACER WIRE

STA 74+55'NB', 38.3' RT
HH501

3" CONDUIT
288 CT FIBER
#12 AWG TRACER WIRE

MATCHLINE 77+00'SB'

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

N

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(1) REMOVE FIBER MH AND SPLICE ENCLOSURE (DEEP)
INSTALL TYPE 7 HH, NEW SPLICE CASE (TYCO 600)
Ssplice (198 BURNS)

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 182	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 01

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

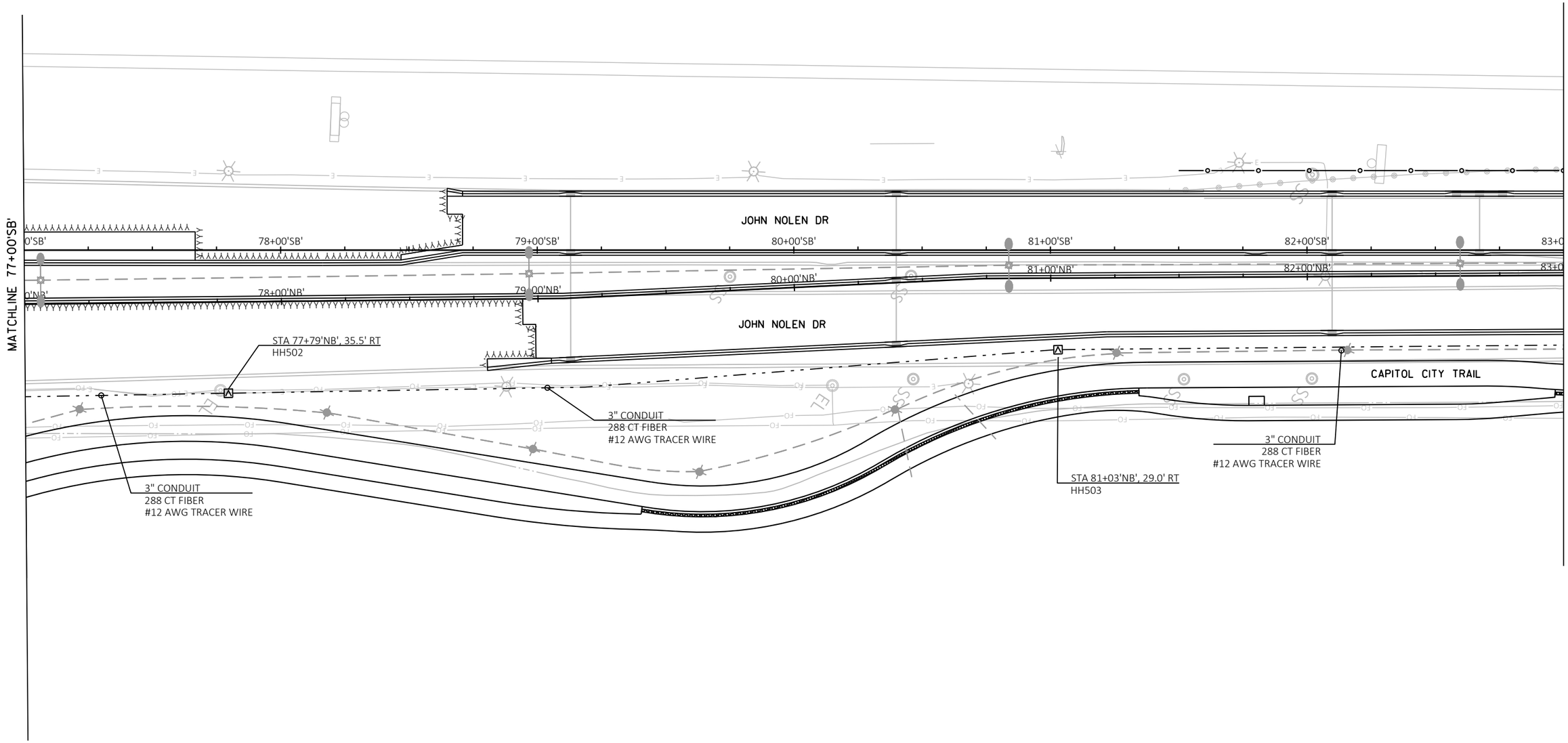
2

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 183	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 02

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

FIBER OPTIC PLAN LEGEND

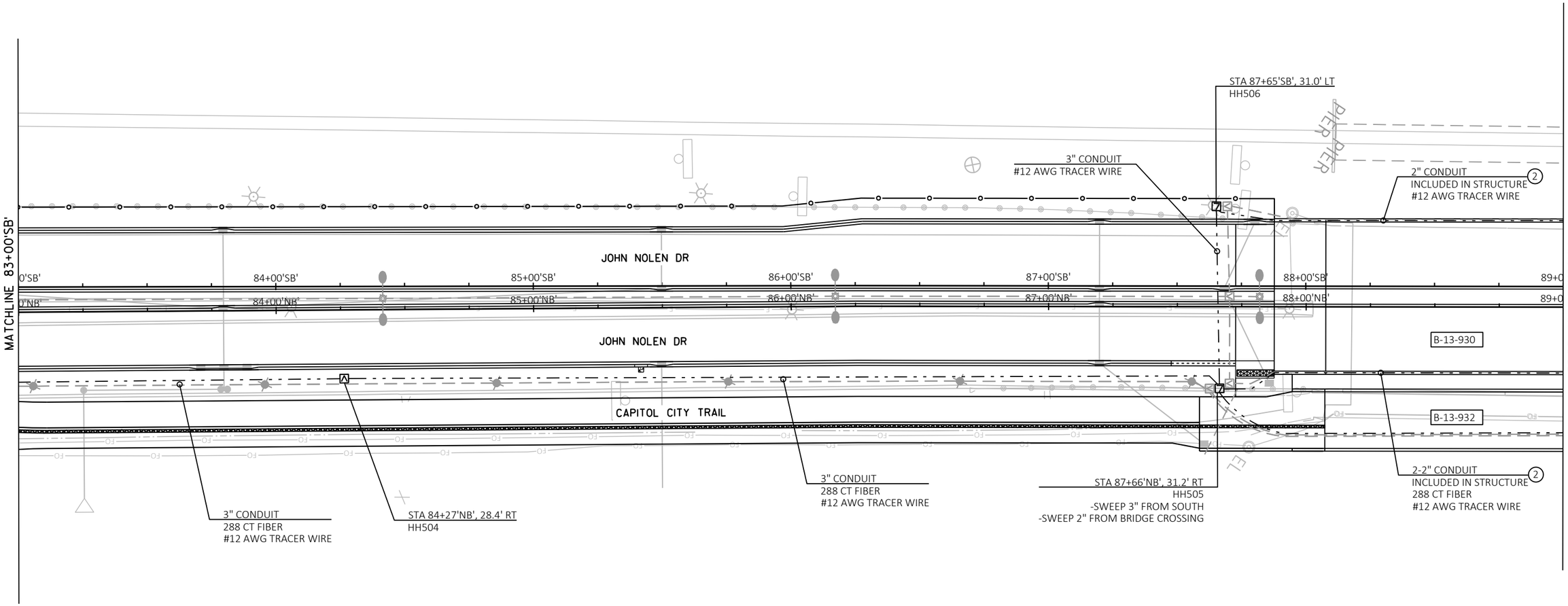
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(2) SEE STRUCUTRE PLANS B-13-930 FOR ADDITIONAL CONDUIT DETAILS



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 184	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 03

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

FIBER OPTIC PLAN LEGEND

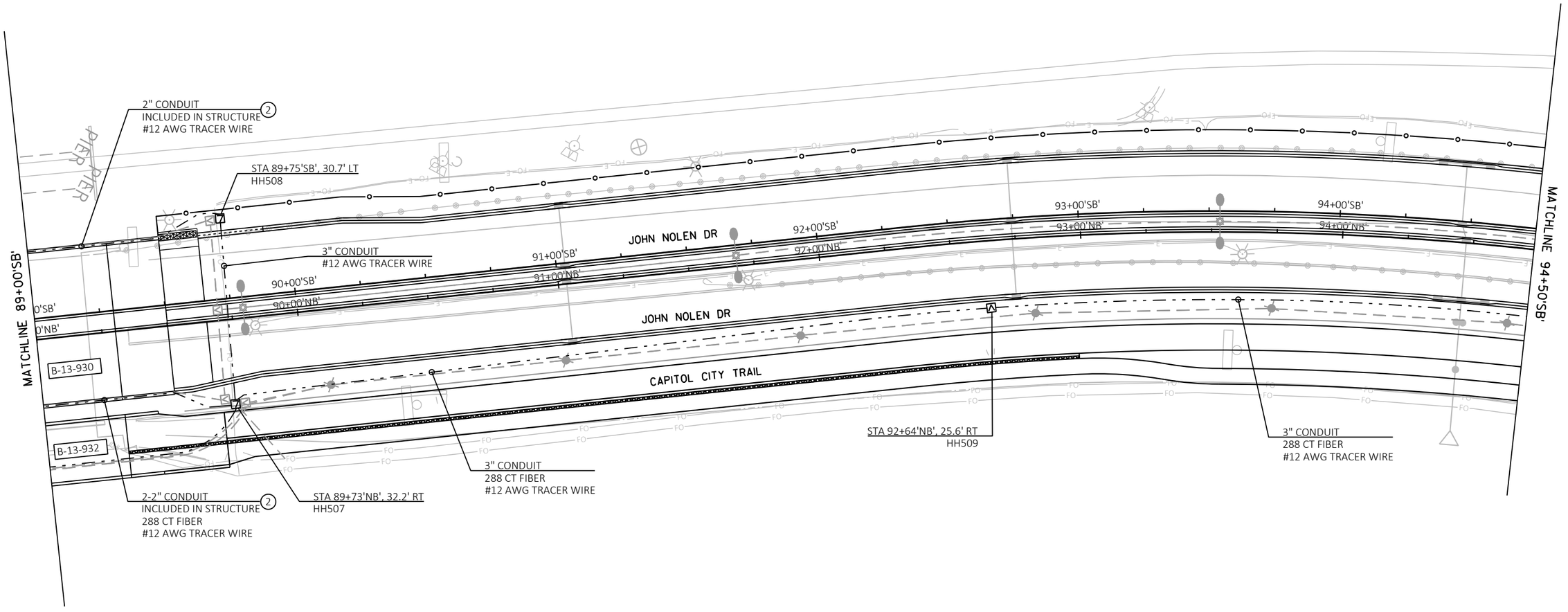
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(2) SEE STRUCTURE PLANS B-13-930 FOR ADDITIONAL CONDUIT DETAILS



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 185	E

2

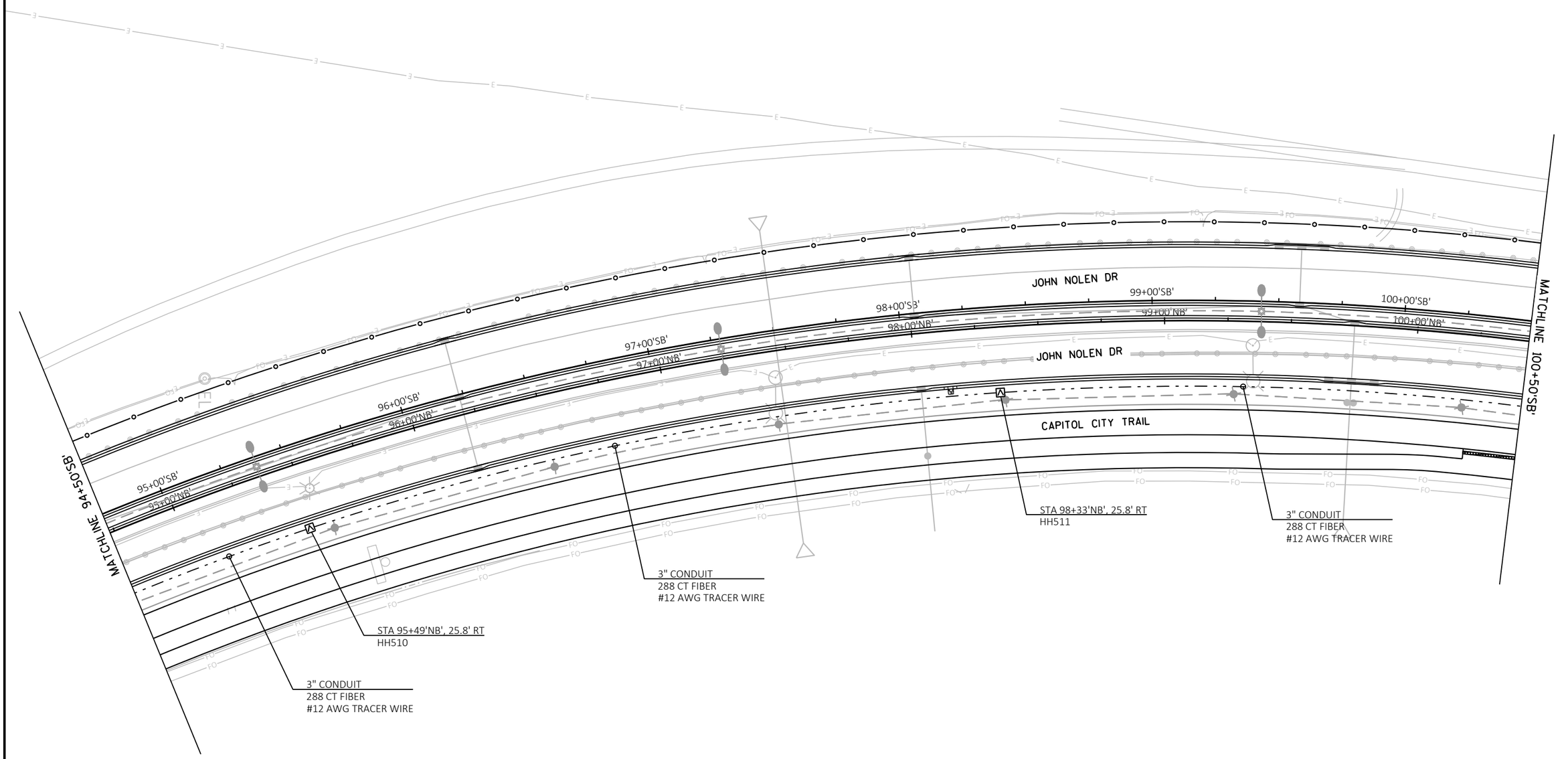
FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 186	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 05

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

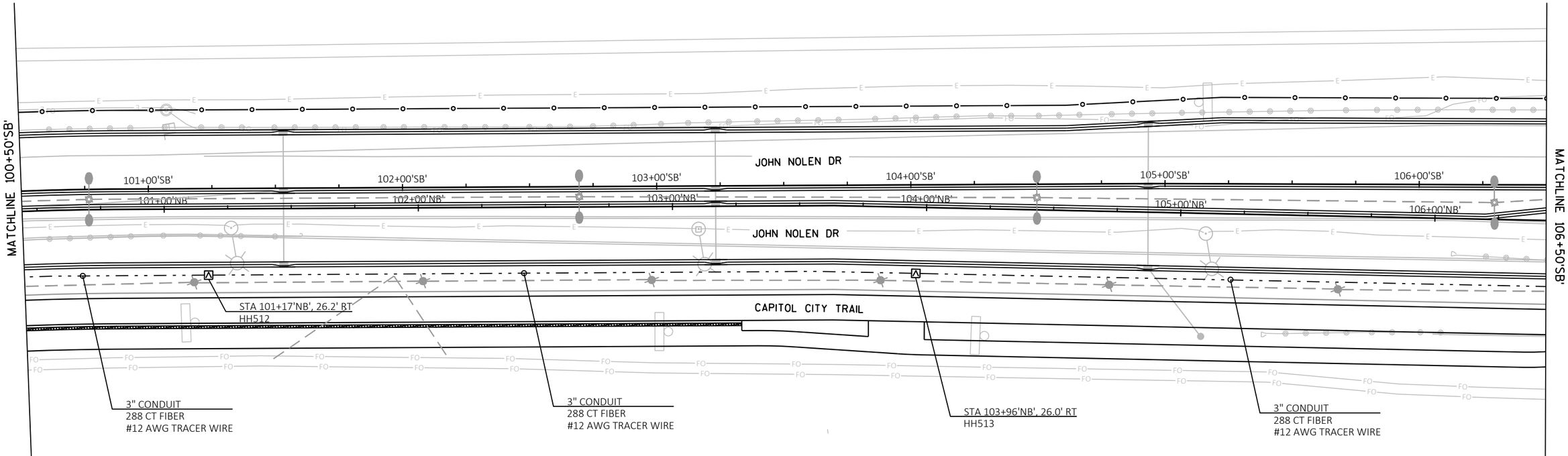
FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 187	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 06

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

FIBER OPTIC PLAN LEGEND

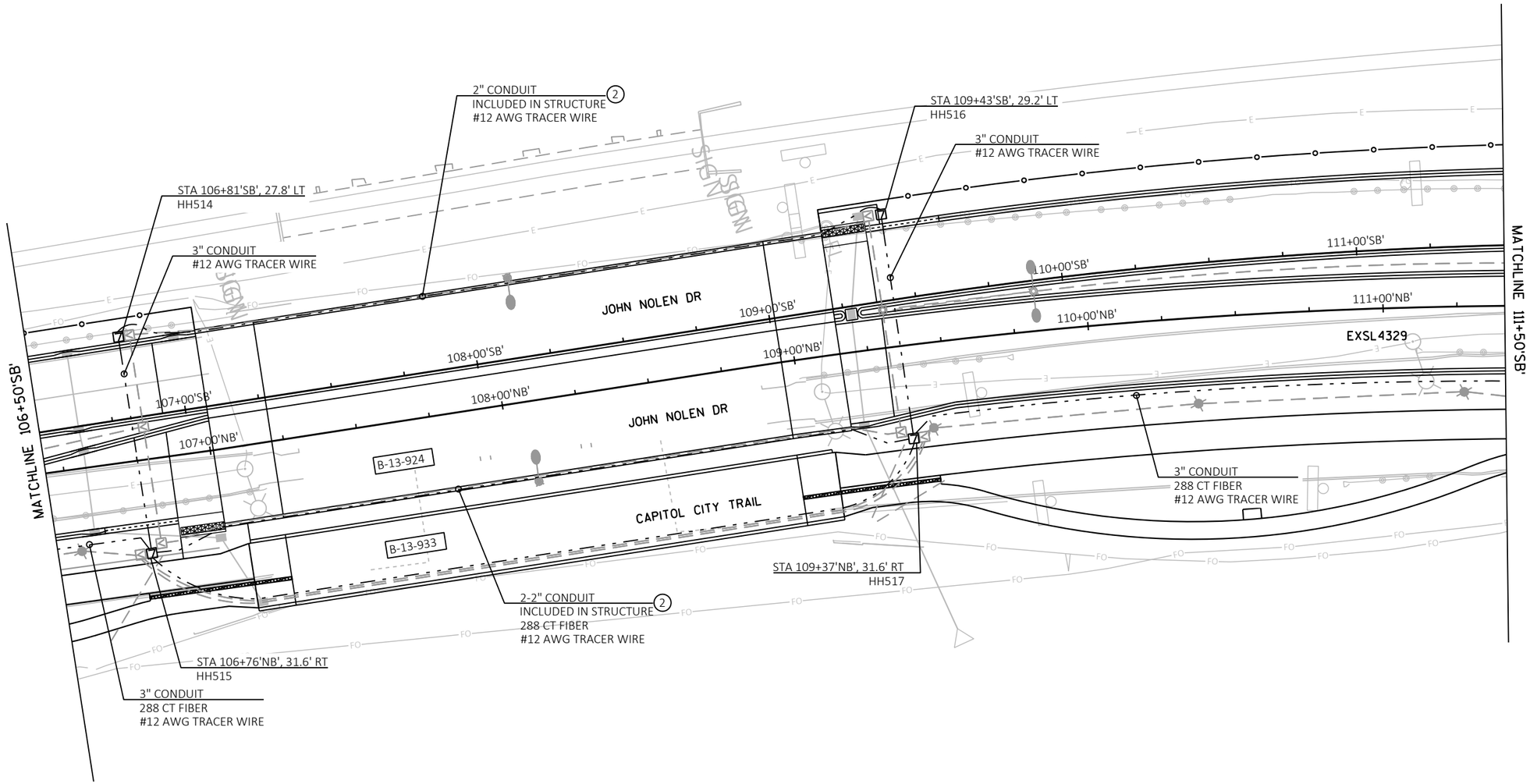
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(2) SEE STRUCUTRE PLANS B-13-924 FOR ADDITIONAL CONDUIT DETAILS



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 188	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 07

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

FIBER OPTIC PLAN LEGEND

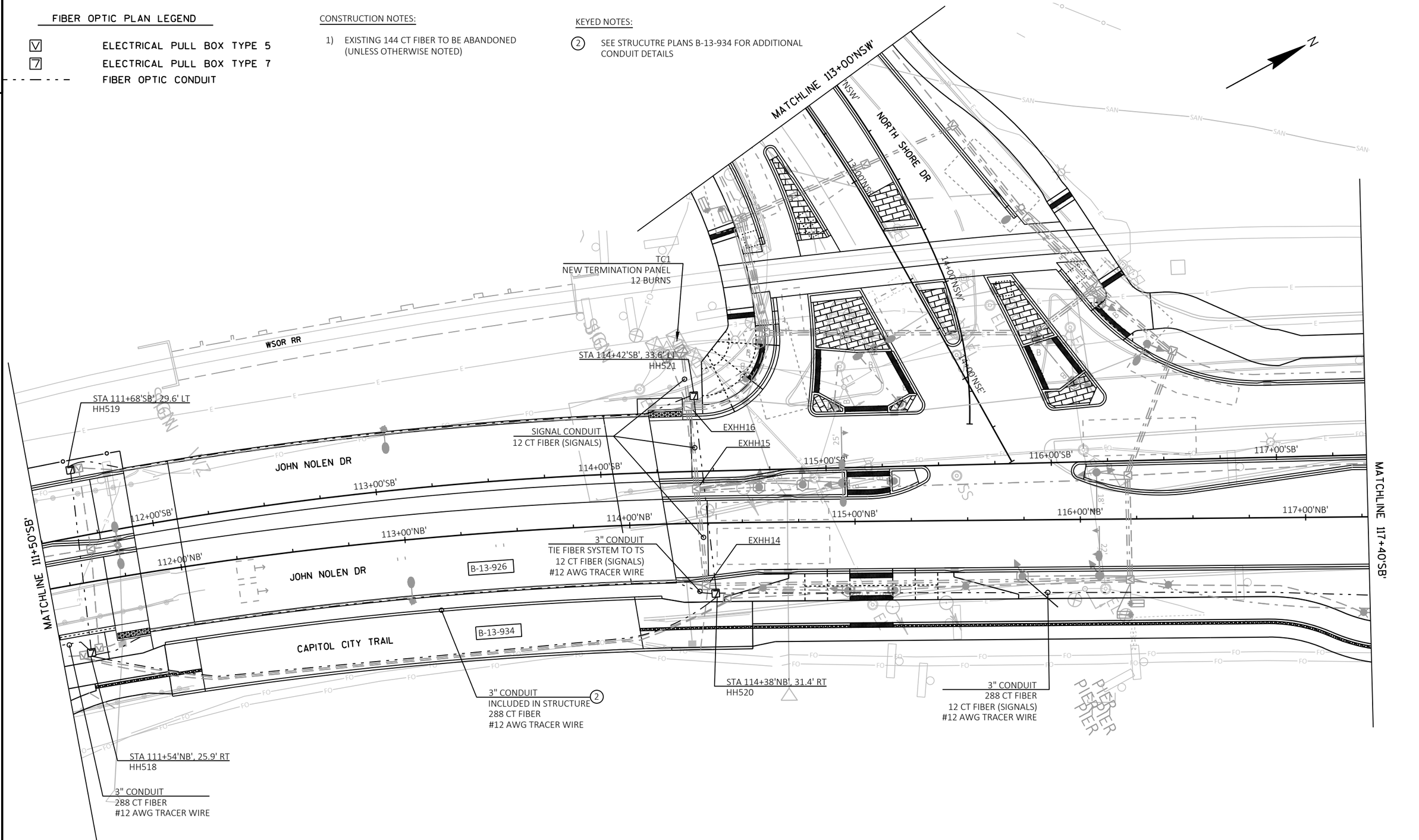
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(2) SEE STRUCUTRE PLANS B-13-934 FOR ADDITIONAL CONDUIT DETAILS



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 189	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - North Shore Dr

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



* NO FIBER THIS SHEET

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 190	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - North Shore Dr (2)

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

KEYED NOTES:

(3) INSTALL CONDUIT INTO EXISTING PULLBOX

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

EXISTING HH
PROTECT IN PLACE

EXISTING CONDUIT UNDER RR
PROTECT IN PLACE FOR
FUTURE FIBER PROJECT

EXISTING 3" CONDUIT
12 CT FIBER (TE)
PROTECT IN PLACE

EXISTING HH (3)
PROTECT IN PLACE

STA 122+50'SB', 57.2' LT
HH525

TC2
NEW TERMINATION PANEL
SPLICE (12 BURNS)

SIGNAL CONDUIT
12 CT FIBER (SIGNALS)

3" CONDUIT
#12 AWG TRACER WIRE

SIGNAL CONDUIT
12 CT FIBER (SIGNALS)

3" CONDUIT
TIE FIBER SYSTEM TO TS
12 CT FIBER (SIGNALS)
#12 AWG TRACER WIRE

STA 120+55'NB', 39.1' RT
HH523

STA 122+33'NB', 39.3' RT
HH524

3" CONDUIT
288 CT FIBER
#12 AWG TRACER WIRE

3" CONDUIT
288 CT FIBER
#12 AWG TRACER WIRE

3" CONDUIT
288 CT FIBER
12 CT FIBER (SIGNALS)
#12 AWG TRACER WIRE

STA 117+42'NB', 35.1' RT
HH522

3" CONDUIT
288 CT FIBER
12 CT FIBER (SIGNALS)
#12 AWG TRACER WIRE

S BROOM ST

JOHN NOLEN DR

WSOR RR

MATCHLINE 117+40'SB'

MATCHLINE 123+00'SB'

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 191	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - Broom St

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

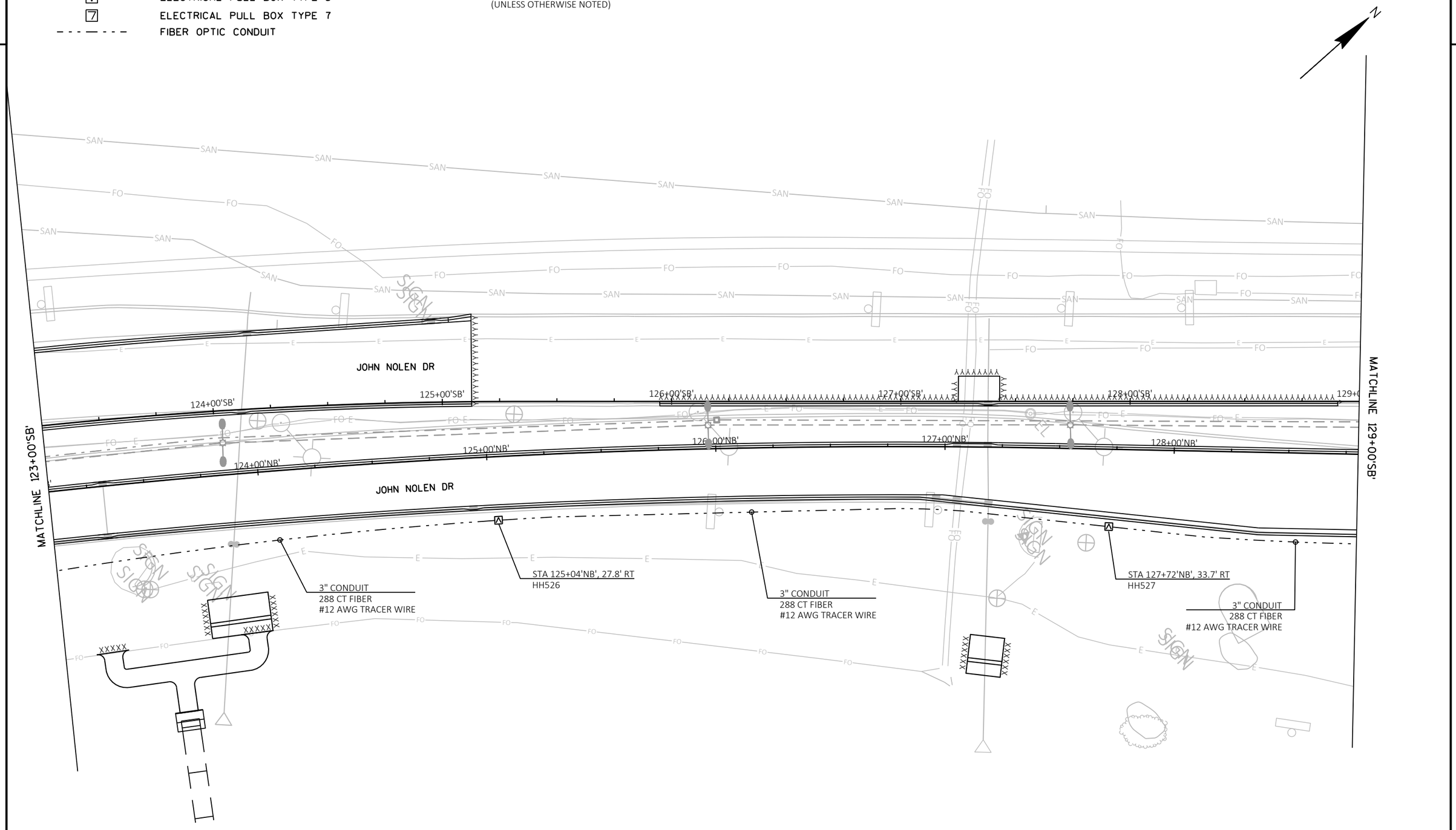
2

FIBER OPTIC PLAN LEGEND

- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 192	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 10

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

FIBER OPTIC PLAN LEGEND

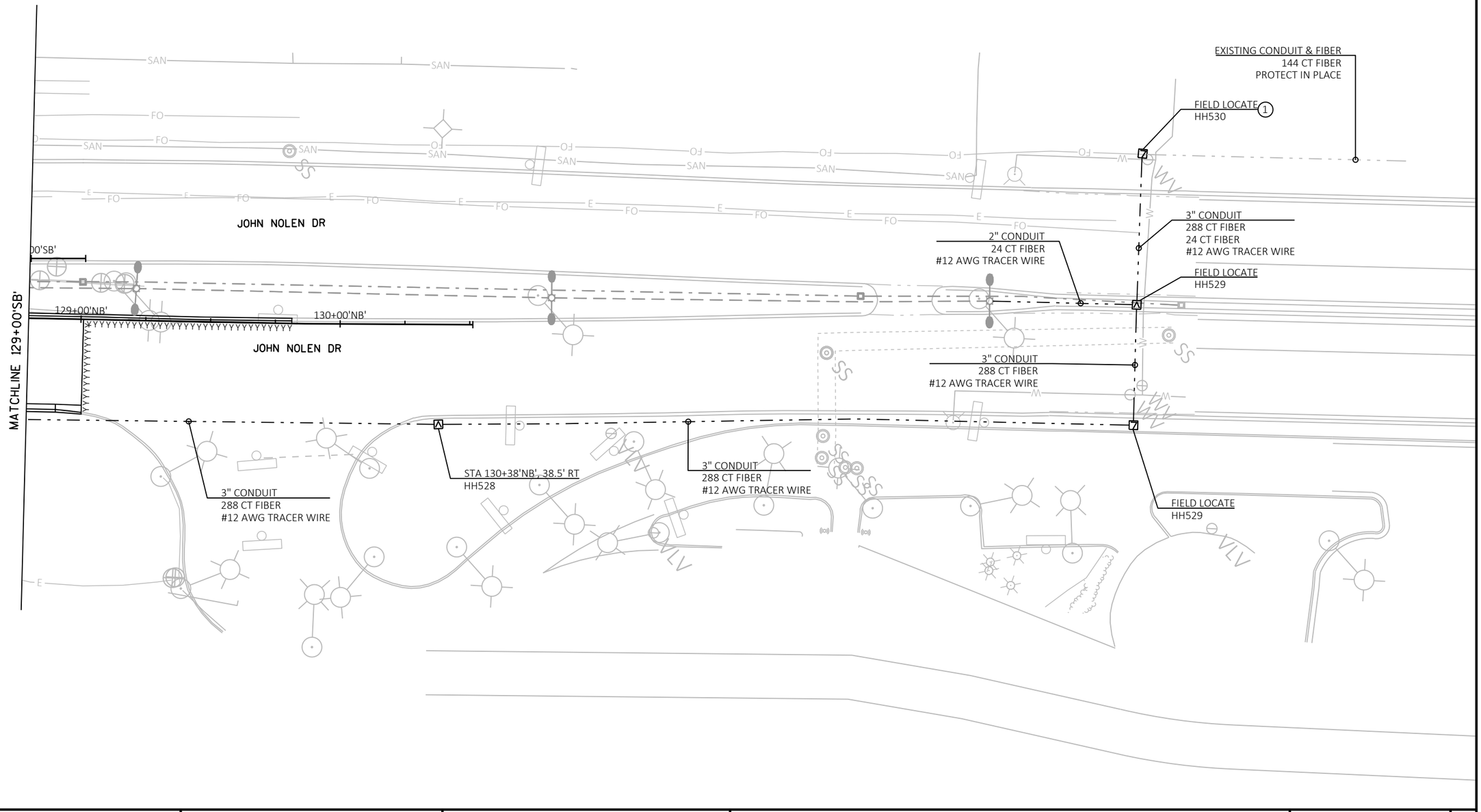
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- FIBER OPTIC CONDUIT

CONSTRUCTION NOTES:

1) EXISTING 144 CT FIBER TO BE ABANDONED (UNLESS OTHERWISE NOTED)

KEYED NOTES:

(1) REMOVE FIBER MH AND SPLICE ENCLOSURE
INSTALL TYPE 7 HH, NEW SPLICE CASE (TYCO 600)
SPLICE (144 BURNS)



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	FIBER OPTIC PLAN	SHEET 193	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\FIBER OPTIC PLAN.DWG
LAYOUT NAME - 11

PLOT DATE : 6/24/2025 1:54 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

LAKESIDE STREET

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

INLET PROTECTION

CROSSOVER 'XA'

72+00 'SB' 73+00 'SB' 74+00 'SB' 75+00 'SB' 76+00 'SB' 77+0

71+00 72+00 73+00 74+00 75+00 76+00 77-

MATCH LINE 77+00

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 194	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 01

PLOT DATE : 5/23/2025 8:23 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

WISCONSIN AND SOUTHERN RAILROAD

MATCH LINE 77+00

MATCH LINE 84+30

77+00 'SB' 78+00 'SB' 79+00 'SB' 80+00 'SB' 81+00 'SB' 82+00 'SB' 83+00 'SB' 84+00 'SB'

77+00 78+00 79+00 80+00 81+00 82+00 83+00 84+00

JOHN NOLEN DRIVE

CROSSOVER 'XA'

INLET PROTECTION

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY

EROSION MAT

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 195	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 02

PLOT DATE : 5/23/2025 8:23 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

WISCONSIN AND SOUTHERN RAILROAD

POLE

POLE

JOHN NOLEN DRIVE

85+00 'SB' 86+00 'SB' 87+00 'SB' 88+00 'SB' 89+00 'SB' 90+00 'SB' 91+00 'SB'

85+00 86+00 87+00 88+00 89+00 90+00 91+00

MATCH LINE 84+30

MATCH LINE 91+35

SS

B

CAPITAL CITY TRAIL

INLET PROTECTION

SILT FENCE HEAVY DUTY

LAKE MONONA

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 196	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 03

PLOT DATE : 5/23/2025 8:23 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

WISCONSIN AND SOUTHERN RAILROAD

CULVERT PIPE CHECK

JOHN NOLEN DRIVE

92+00 'SB'
93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
98+00 'SB'
92+00
93+00
94+00
95+00
96+00
97+00
98+00

MATCH LINE 91+35

MATCH LINE 98+25

C

B

B

B

INLET PROTECTION

EROSION MAT

SILT FENCE HEAVY DUTY

CAPITAL CITY TRAIL

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 197	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 04

PLOT DATE : 5/23/2025 8:23 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

99+00 'SB' 100+00 'SB' 101+00 'SB' 102+00 'SB' 103+00 'SB' 104+00 'SB' 105+00 'SB'

99+00 100+00 101+00 102+00 103+00 104+00 105+00

MATCH LINE 98+25

MATCH LINE 105+10

B

CAPITAL CITY TRAIL

EROSION MAT

INLET PROTECTION

SILT FENCE HEAVY DUTY

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 198	E

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE [A] [B] [C] [D]
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

106+00 'SB' 107+00 'SB' 108+00 'SB' 109+00 'SB' 110+00 'SB' 111+00 'SB' 112+00 'SB'

106+00 107+00 108+00 109+00 110+00 111+00 112+00

MATCH LINE 105+10

MATCH LINE 112+10

B

C

C

C

C

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY

INLET PROTECTION

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 199	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 06

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

NORTH SHORE DRIVE

13+00 'NSE'

13+00 'NSW'

18+00 'BP'

19+00 'BP'

14+00 'NSW'

15+00 'NSE'

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

113+00 'SB'

114+00 'SB'

115+00 'SB'

116+00 'SB'

117+00 'SB'

118+00 'SB'

119+00 'S

113+00

114+00

115+00

116+00

117+00

118+00

MATCH LINE 112+10

MATCH LINE 118+95

INLET PROTECTION

CAPITAL CITY TRAIL

EROSION MAT

SILT FENCE HEAVY DUTY

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 200	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 07

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

BROOM STREET

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE 118+95

MATCH LINE 125+75

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

LAKE MONONA

701+00 'BSW'

701+00 'BSE'

702+00 'BSW'

702+00 'BSE'

119+00

120+00 'SB'

120+00

121+00 'SB'

121+00

122+00 'SB'

122+00

123+00 'SB'

123+00

124+00 'SB'

124+00

125+00 'SB'

125+00

INLET PROTECTION

RIPRAP

SOD LAWN

SILT FENCE HEAVY DUTY

EROSION MAT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 201	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 08

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

WISCONSIN AND SOUTHERN RAILROAD

MATCH LINE 125+75

C

126+00 'SB'

127+00 'SB'

128+00 'SB'

129+00 'SB'

126+00

127+00

128+00

129+00

130+00

JOHN NOLEN DRIVE

A D

INLET PROTECTION

CROSSOVER 'XB'

SOD LAWN

SILT FENCE HEAVY DUTY

EROSION MAT

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 1	SHEET 202	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 09

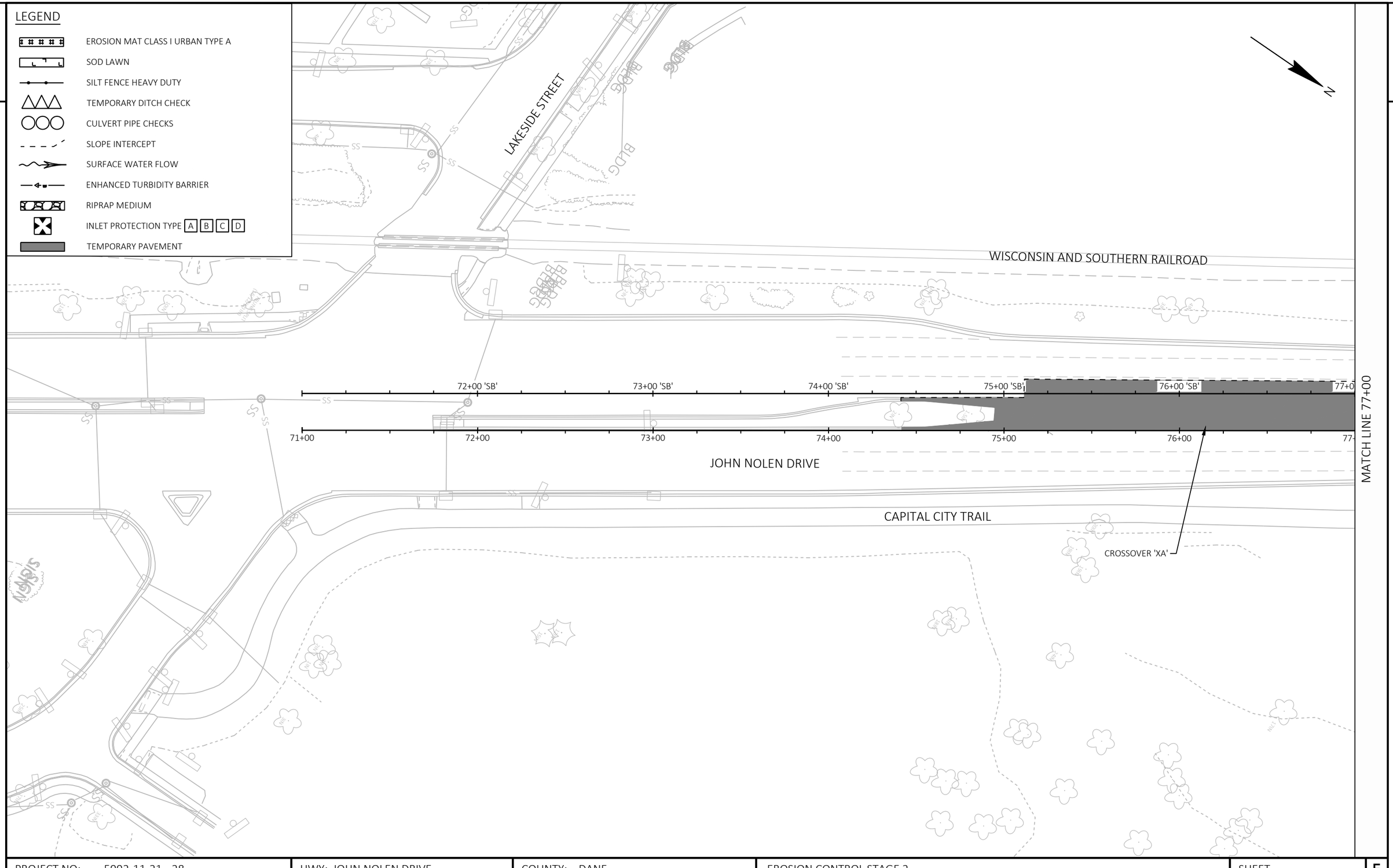
PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 203	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 11

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

INLET PROTECTION

EROSION MAT

TEMPORARY DITCH CHECK

WISCONSIN AND SOUTHERN RAILROAD

MATCH LINE 77+00

MATCH LINE 84+30

78+00 'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

82+00 'SB'

83+00 'SB'

84+00 'SB'

78+00

79+00

80+00

81+00

82+00

83+00

84+00

JOHN NOLEN DRIVE

CROSSOVER 'XA'

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 204	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 12

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

EROSION MAT

INLET PROTECTION

TEMPORARY DITCH CHECK

WISCONSIN AND SOUTHERN RAILROAD

MATCH LINE 84+30

MATCH LINE 91+35

85+00 'SB' A C

86+00 'SB' A C

87+00 'SB' A C

88+00 'SB' A C

89+00 'SB'

90+00 'SB'

91+00 'SB' A C

85+00 86+00 87+00 88+00 89+00 90+00 91+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 205	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 13

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

TEMPORARY DITCH CHECK

INLET PROTECTION

EROSION MAT

CULVERT PIPE CHECK

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

92+00 'SB'

92+00

93+00

94+00 'SB'

94+00

95+00 'SB'

95+00

96+00 'SB'

96+00

97+00 'SB'

97+00

98+00 'SB'

98+00

A C

A D

MATCH LINE 91+35

MATCH LINE 98+25

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 206	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 14

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE [A] [B] [C] [D]
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

EROSION MAT

INLET PROTECTION

TEMPORARY DITCH CHECK

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

99+00 'SB'

100+00 'SB'

101+00 'SB'

102+00 'SB'

103+00 'SB'

104+00 'SB'

105+00 'SB'

99+00

100+00

101+00

102+00

103+00

104+00

105+00

MATCH LINE 98+25

MATCH LINE 105+10

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 207	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 15

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

LAKE MONONA BAY

WISCONSIN AND SOUTHERN RAILROAD

JOHN NOLEN DRIVE

INLET PROTECTION

EROSION MAT

TEMPORARY DITCH CHECK

106+00 'SB'

107+00 'SB'

108+00 'SB'

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

106+00

107+00

108+00

109+00

110+00

111+00

112+00

MATCH LINE 105+10

MATCH LINE 112+10

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 208	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 16
PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

NORTH SHORE DRIVE

MATCH LINE 13+40 'NSE'

WISCONSIN AND SOUTHERN RAILROAD

INLET PROTECTION

SILT FENCE HEAVY DUTY

JOHN NOLEN DRIVE

113+00 'SB'

114+00 'SB'

115+00 'SB'

116+00 'SB'

117+00 'SB'

118+00 'SB'

119+00 'S

113+00

114+00

115+00

116+00

117+00

118+00

MATCH LINE 112+10

MATCH LINE 118+95

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 209	E

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

BROOM STREET

701+00 'BSW'

701+00 'BSE'

EROSION MAT

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

A C

A D

D

C

MATCH LINE 118+95

MATCH LINE 125+75

702+00 'BSE'

702+00 'BSW'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

125+00 'SB'

119+00

120+00

121+00

122+00

123+00

124+00

125+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 210	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 18

PLOT DATE : 5/23/2025 8:24 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

WISCONSIN AND SOUTHERN RAILROAD

MATCH LINE 125+75

C

D

INLET PROTECTION

CROSSOVER 'XB'

126+00 'SB'

127+00 'SB'

128+00 'SB'

129+00 'SB'

126+00

127+00

128+00

129+00

130+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 1,
MAINTAINED THROUGH STAGE 2)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 211	E

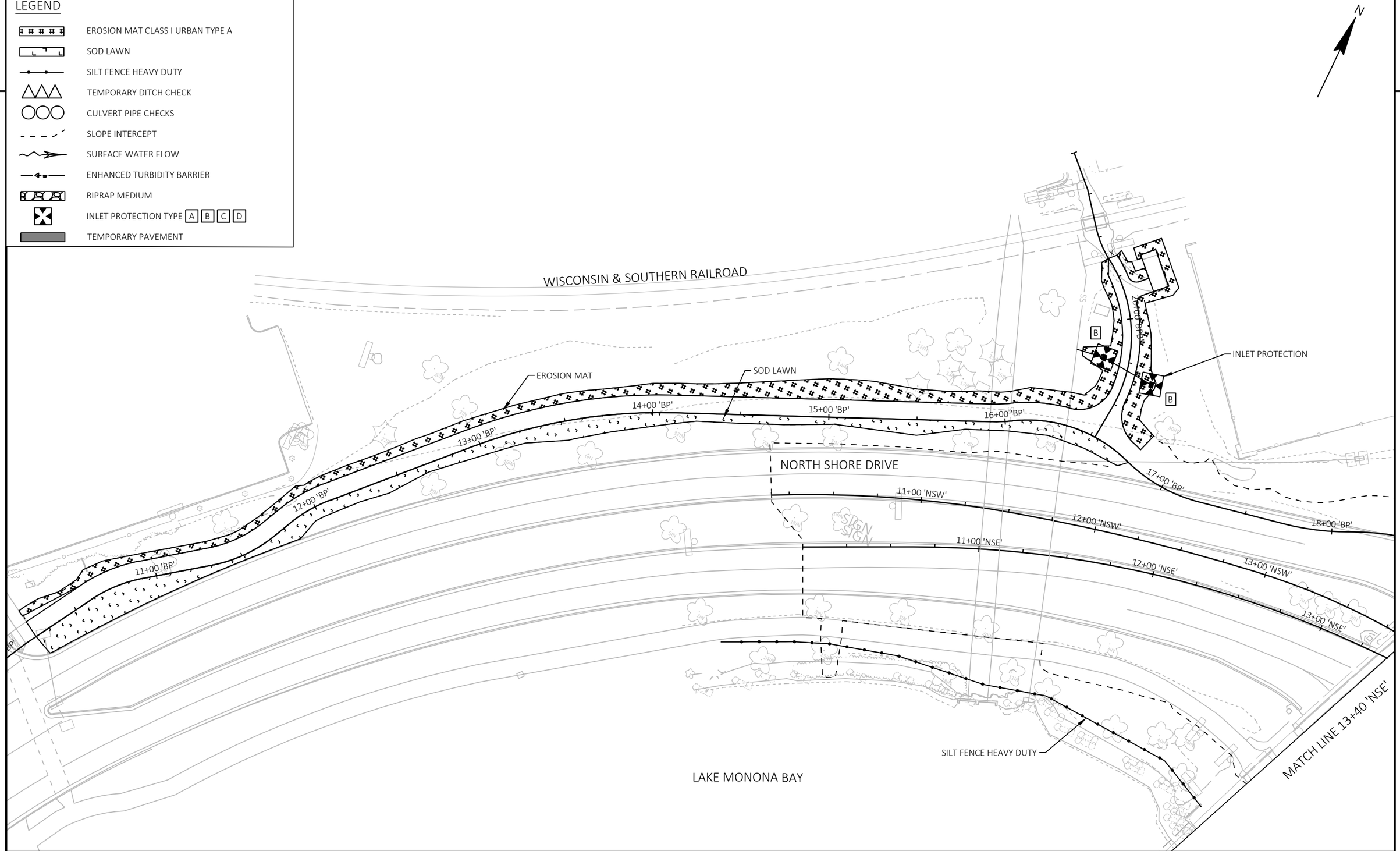
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LAYOUT NAME - 022001-ec - 19

PLOT DATE : 5/23/2025 8:25 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2	SHEET 212	E

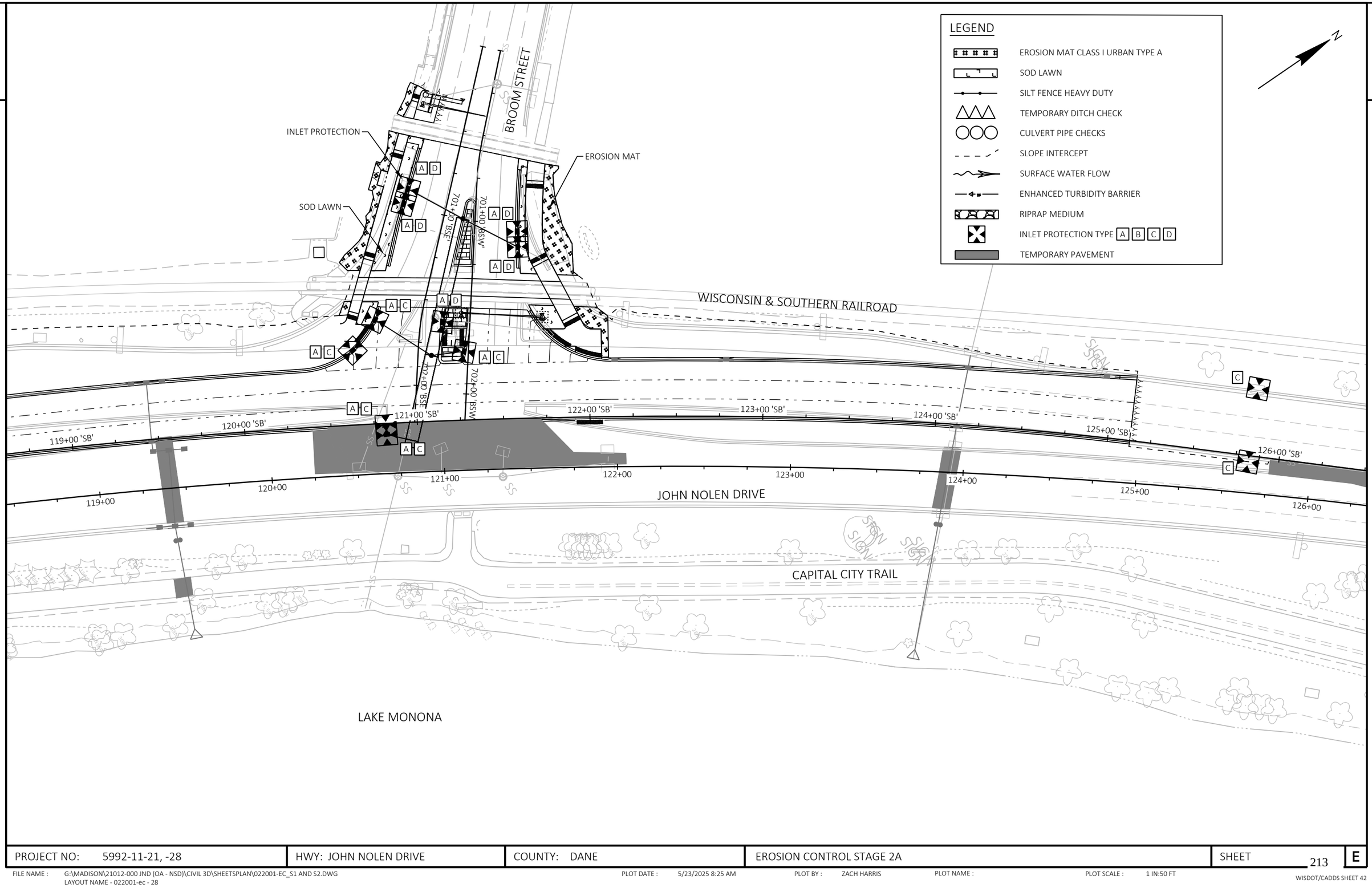
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LAYOUT NAME - 022001-ec - 20

PLOT DATE : 5/23/2025 8:25 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2A	SHEET 213	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 28
PLOT DATE : 5/23/2025 8:25 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT

N

NORTH SHORE DRIVE

MATCH LINE 13+40 'NSE'

WISCONSIN AND SOUTHERN RAILROAD

EROSION MAT

SOD LAWN

SILT FENCE HEAVY DUTY
(INSTALLED IN STAGE 2,
MAINTAINED THROUGH STAGE 3)

JOHN NOLEN DRIVE

112+00 'SB'
113+00 'SB'
114+00 'SB'
115+00 'SB'
116+00 'SB'
117+00 'SB'
118+00 'SB'
119+00 'S

112+00
113+00
114+00
115+00
116+00
117+00
118+00

INLET PROTECTION

MATCH LINE 118+95

CAPITAL CITY TRAIL

SIGN

PIER

LAKE MONONA

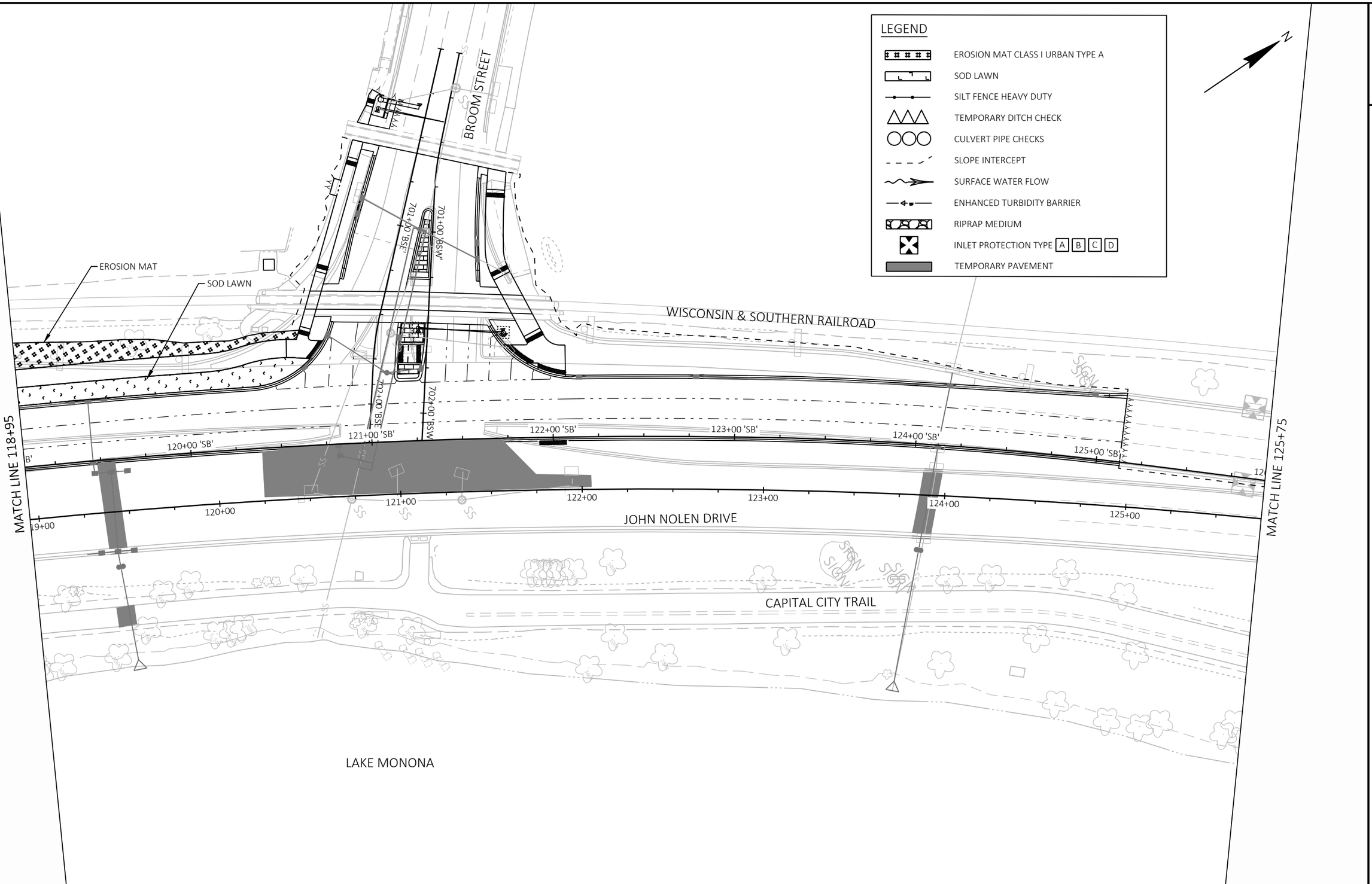
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2B	SHEET 214	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 37

PLOT DATE : 5/23/2025 8:25 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2B	SHEET 215	E

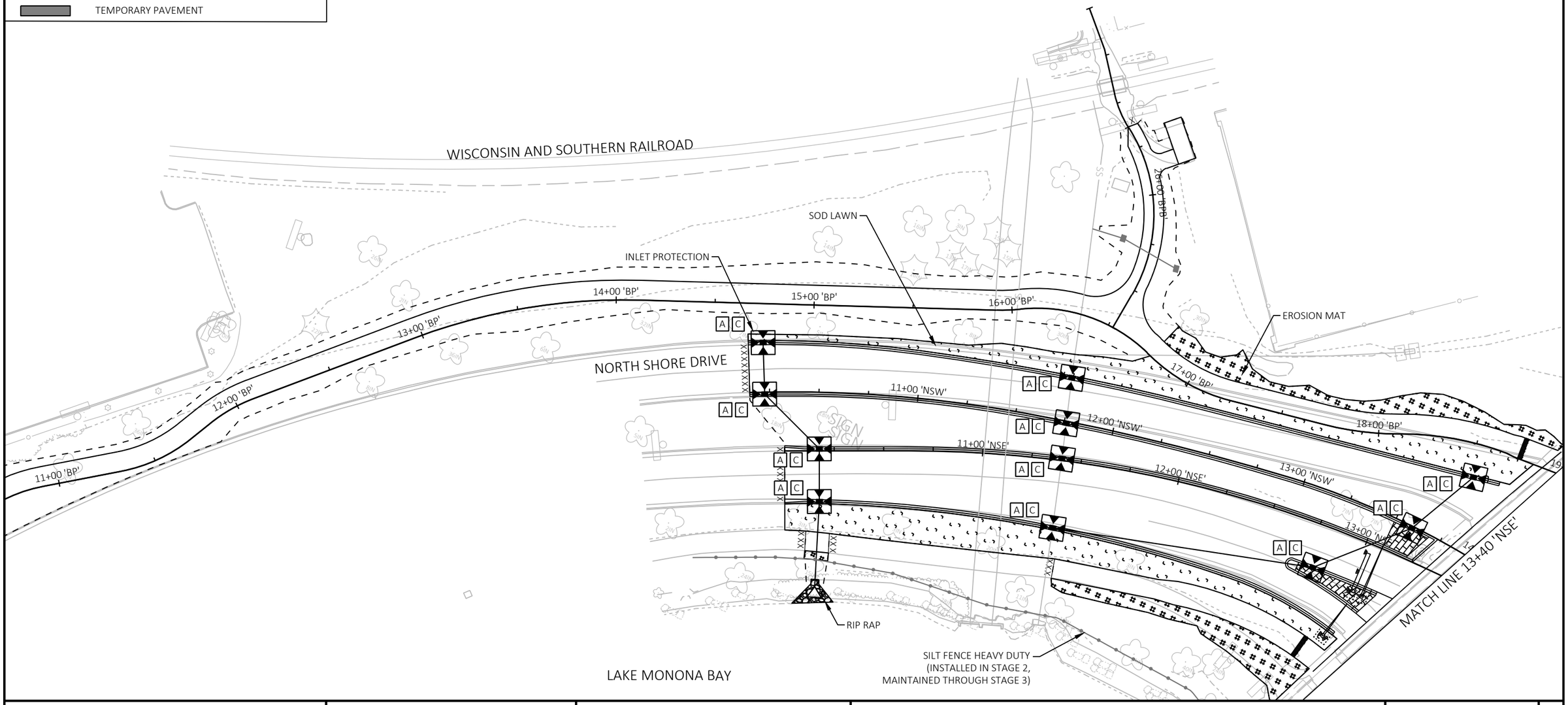
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 38

PLOT DATE : 5/23/2025 8:25 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 2B	SHEET 216	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S1 AND S2.DWG
LAYOUT NAME - 022001-ec - 40

PLOT DATE : 5/23/2025 8:25 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

WISCONSIN & SOUTHERN RAILROAD

CROSSOVER 'XA'

INLET PROTECTION

72+00 'SB' 73+00 'SB' 74+00 'SB' 75+00 'SB' 76+00 'SB' 77+0

71+00 72+00 73+00 74+00 75+00 76+00 77-

MATCH LINE 77+00

JOHN NOLEN DRIVE

72+00 'CT' 73+00 'CT' 74+00 'CT' 75+00 'CT' 76+00 'CT' 77+00 'CT'

CAPITAL CITY TRAIL

SILT FENCE

71+00 'CT'

70+00 'CT'

SOD LAWN

EROSION MAT

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 217	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 41

PLOT DATE : 5/23/2025 3:26 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

CROSSOVER 'XA'

MATCH LINE 77+00

MATCH LINE 84+30

78+00 'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

82+00 'SB'

83+00 'SB'

84+00 'SB'

78+00

79+00

80+00

81+00

82+00

83+00

84+00

JOHN NOLEN DRIVE

82+00 'CT'

83+00 'CT'

84+00 'CT'

81+00 'CT'

78+00 'CT'

79+00 'CT'

80+00 'CT'

CAPITAL CITY TRAIL

SHORELINE REVETMENT STONE

INLET PROTECTION

EROSION MAT

SILT FENCE HEAVY DUTY

ENHANCED TURBIDITY BARRIER

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 218	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 42

PLOT DATE : 5/23/2025 3:26 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 84+30

MATCH LINE 91+35

85+00 'SB' 86+00 'SB' 87+00 'SB' 88+00 'SB' 89+00 'SB' 90+00 'SB' 91+00 'SB'

85+00 86+00 87+00 88+00 89+00 90+00 91+00

85+00 'CT' 86+00 'CT' 87+00 'CT' 88+00 'CT' 89+00 'CT' 90+00 'CT' 91+00 'CT'

A C

EROSION MAT

SHORELINE REVETMENT STONE

INLET PROTECTION

ENHANCED TURBIDITY BARRIER

LAKE MONONA

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 219	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 43

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 91+35

MATCH LINE 98+25

92+00 'SB'
93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
98+00 'SB'
92+00
93+00
94+00
95+00
96+00
97+00
98+00
92+00 'CT'
93+00 'CT'
94+00 'CT'
95+00 'CT'
96+00 'CT'
97+00 'CT'
98+00 'CT'

A C
A D

INLET PROTECTION
EROSION MAT
SHORELINE REVETMENT STONE
ENHANCED TURBIDITY BARRIER

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 220	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 44

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE [A] [B] [C] [D]
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

INLET PROTECTION

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

MATCH LINE 98+25

MATCH LINE 105+10

99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
103+00 'SB'
104+00 'SB'
105+00 'SB'
99+00
100+00
101+00
102+00
103+00
104+00
105+00
99+00 'CT'
100+00 'CT'
101+00 'CT'
102+00 'CT'
103+00 'CT'
104+00 'CT'
105+00 'CT'

CAPITAL CITY TRAIL

SHORELINE REVETMENT STONE

EROSION MAT

ENHANCED TURBIDITY BARRIER

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 221	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 45
PLOT DATE : 5/23/2025 3:27 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 105+10

MATCH LINE 112+10

106+00 'SB'
107+00 'SB'
108+00 'SB'
109+00 'SB'
110+00 'SB'
111+00 'SB'
112+00 'SB'
106+00
107+00
108+00
109+00
110+00
111+00
112+00
106+00 'CT'
107+00 'CT'
108+00 'CT'
109+00 'CT'
110+00 'CT'
111+00 'CT'
112+00 'CT'

A C
B

INLET PROTECTION

EROSION MAT

SHORELINE REVETMENT STONE

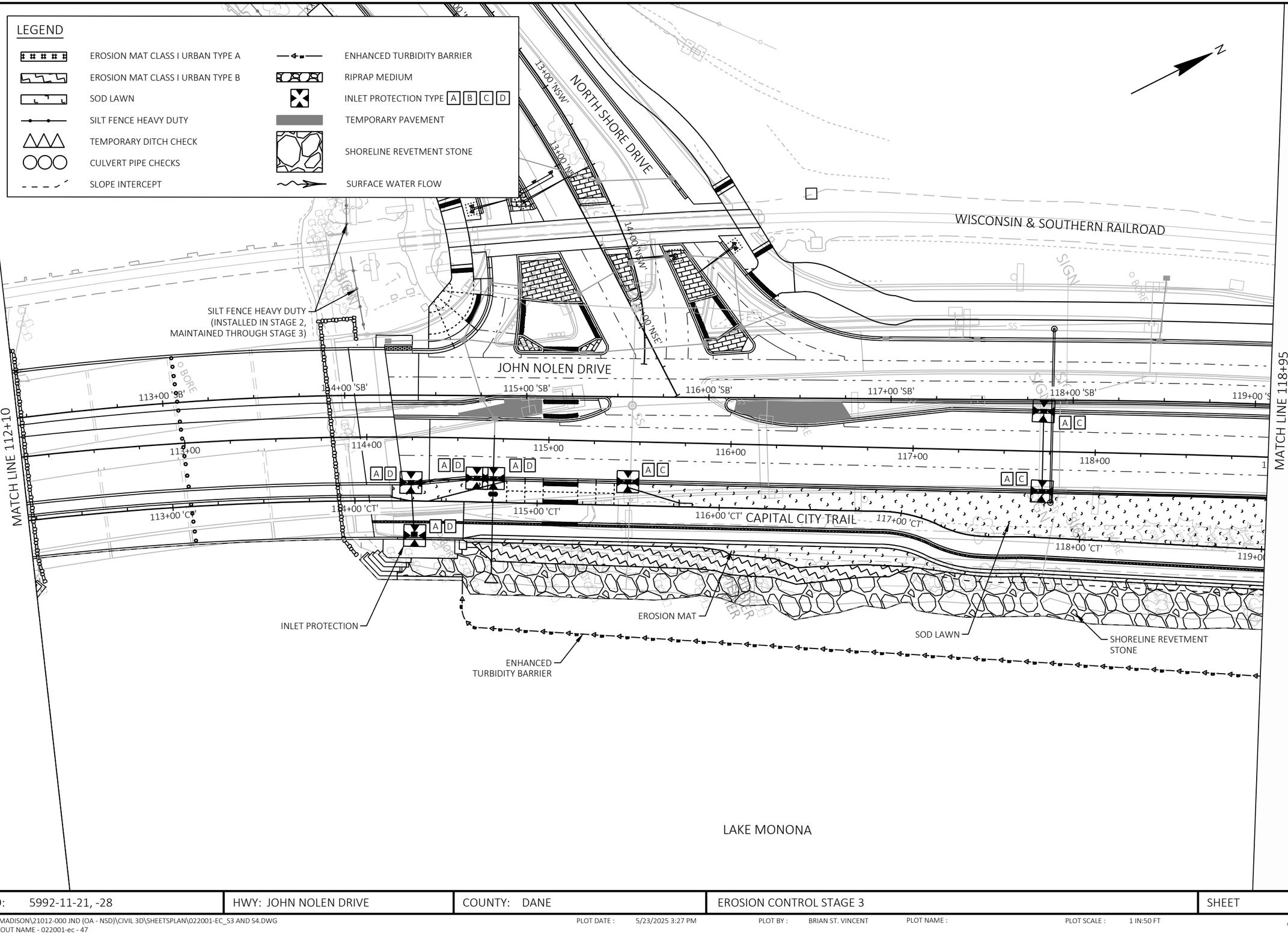
ENHANCED TURBIDITY BARRIER

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 222	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 46
PLOT DATE : 5/23/2025 3:27 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 223	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 47

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

BROOM STREET

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE 118+95

MATCH LINE 125+75

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

INLET PROTECTION

SOD LAWN

SOD LAWN

SHORELINE REVETMENT STONE

ENHANCED TURBIDITY BARRIER

LAKE MONONA

701+00 'BSW'

701+00 'BSE'

702+00 'BSE'

702+00 'BSW'

119+00

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

125+00 'SB'

120+00

121+00

122+00

123+00

124+00

125+00

120+00 'CT'

121+00 'CT'

122+00 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 224	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 48

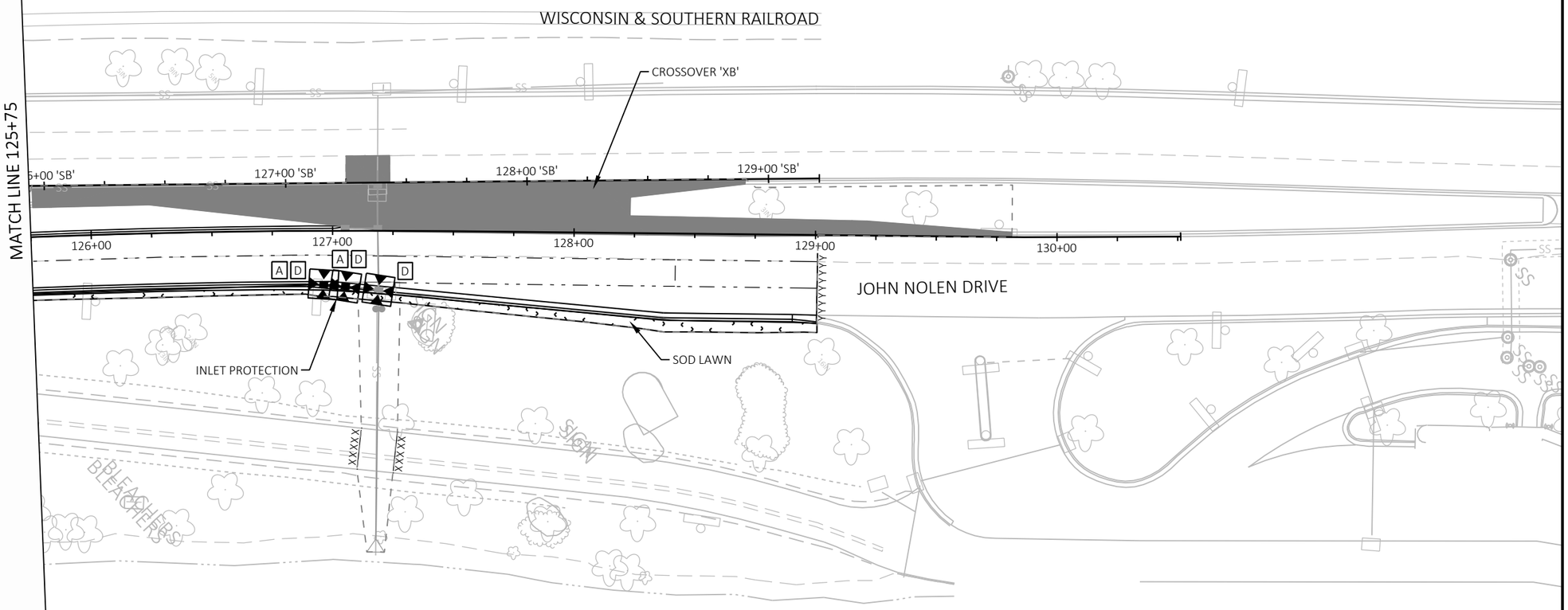
PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 3	SHEET 225	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 49

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

WISCONSIN & SOUTHERN RAILROAD

SOD LAWN

72+00 'SB' 73+00 'SB' 74+00 'SB' 75+00 'SB' 76+00 'SB' 77+0

71+00 72+00 73+00 74+00 75+00 76+00 77+

MATCH LINE 77+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

72+00 'CT' 73+00 'CT' 74+00 'CT' 75+00 'CT' 76+00 'CT' 77+00 'CT'

71+00 'CT'

70+00 'CT'

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 226	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 51

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

MATCH LINE 77+00

78+00 'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

82+00 'SB'

83+00 'SB'

84+00 'SB'

78+00

79+00

80+00

81+00

82+00

83+00

84+00

JOHN NOLEN DRIVE

SOD LAWN

78+00 'CT'

CAPITAL CITY TRAIL

79+00 'CT'

80+00 'CT'

81+00 'CT'

82+00 'CT'

83+00 'CT'

84+00 'CT'

SHORELINE REVETMENT STONE

MATCH LINE 84+30

LAKE MONONA

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 227	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 52

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE [A] [B] [C] [D]
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

JOHN NOLEN DRIVE

85+00 'SB' 86+00 'SB' 87+00 'SB' 88+00 'SB' 89+00 'SB' 90+00 'SB' 91+00 'SB'

85+00 86+00 87+00 88+00 89+00 90+00 91+00

MATCH LINE 84+30

MATCH LINE 91+35

85+00 'CT' 86+00 'CT' CAPITAL CITY TRAIL 87+00 'CT' 88+00 'CT' 89+00 'CT' 90+00 'CT' 91+00 'CT'

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 228	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 53

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

92+00 'SB'
93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
98+00 'SB'

92+00
93+00
94+00
95+00
96+00
97+00
98+00

92+00 'CT'
93+00 'CT'
94+00 'CT'
95+00 'CT'
96+00 'CT'
97+00 'CT'
98+00 'CT'

C
D

MATCH LINE 91+35

MATCH LINE 98+25

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 229	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 54

PLOT DATE : 5/23/2025 3:27 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE [A] [B] [C] [D]
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

JOHN NOLEN DRIVE

MATCH LINE 98+25

MATCH LINE 105+10

99+00 'SB' 100+00 'SB' 101+00 'SB' 102+00 'SB' 103+00 'SB' 104+00 'SB' 105+00 'SB'

99+00 100+00 101+00 102+00 103+00 104+00 105+00

99+00 'CT' 100+00 'CT' 101+00 'CT' 102+00 'CT' 103+00 'CT' 104+00 'CT' 105+00 'CT'

CAPITAL CITY TRAIL

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 230	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 55

PLOT DATE : 5/23/2025 3:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

INLET PROTECTION

MATCH LINE 105+10

MATCH LINE 112+10

106+00 'SB'

107+00 'SB'

108+00 'SB'

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

106+00

107+00

108+00

109+00

110+00

111+00

112+00

106+00 'CT'

107+00 'CT'

108+00 'CT'

109+00 'CT'

110+00 'CT'

111+00 'CT'

112+00 'CT'

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 231	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 56

PLOT DATE : 5/23/2025 3:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

NORTH SHORE DRIVE

13+00 'NSW'

13+00 'NSE'

14+00 'NSW'

14+00 'NSE'

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

JOHN NOLEN DRIVE

MATCH LINE 112+10

MATCH LINE 118+95

113+00 'SB'

114+00 'SB'

115+00 'SB'

116+00 'SB'

117+00 'SB'

118+00 'SB'

113+00

114+00

115+00

116+00

117+00

118+00

113+00 'CT'

114+00 'CT'

115+00 'CT'

116+00 'CT'

CAPITAL CITY TRAIL

117+00 'CT'

118+00 'CT'

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 232	E

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

N

BROOM STREET

WISCONSIN & SOUTHERN RAILROAD

INLET PROTECTION

701+00 'BSE'

701+00 'BSW'

702+00 'BSE'

702+00 'BSW'

MATCH LINE 118+95

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

125+00 'SB'

MATCH LINE 125+75

119+00

120+00

121+00

122+00

123+00

124+00

125+00

JOHN NOLEN DRIVE

120+00 'CT'

121+00 'CT'

122+00 'CT'

CAPITAL CITY TRAIL

SHORELINE REVETMENT STONE

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 233	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 58

PLOT DATE : 5/23/2025 3:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

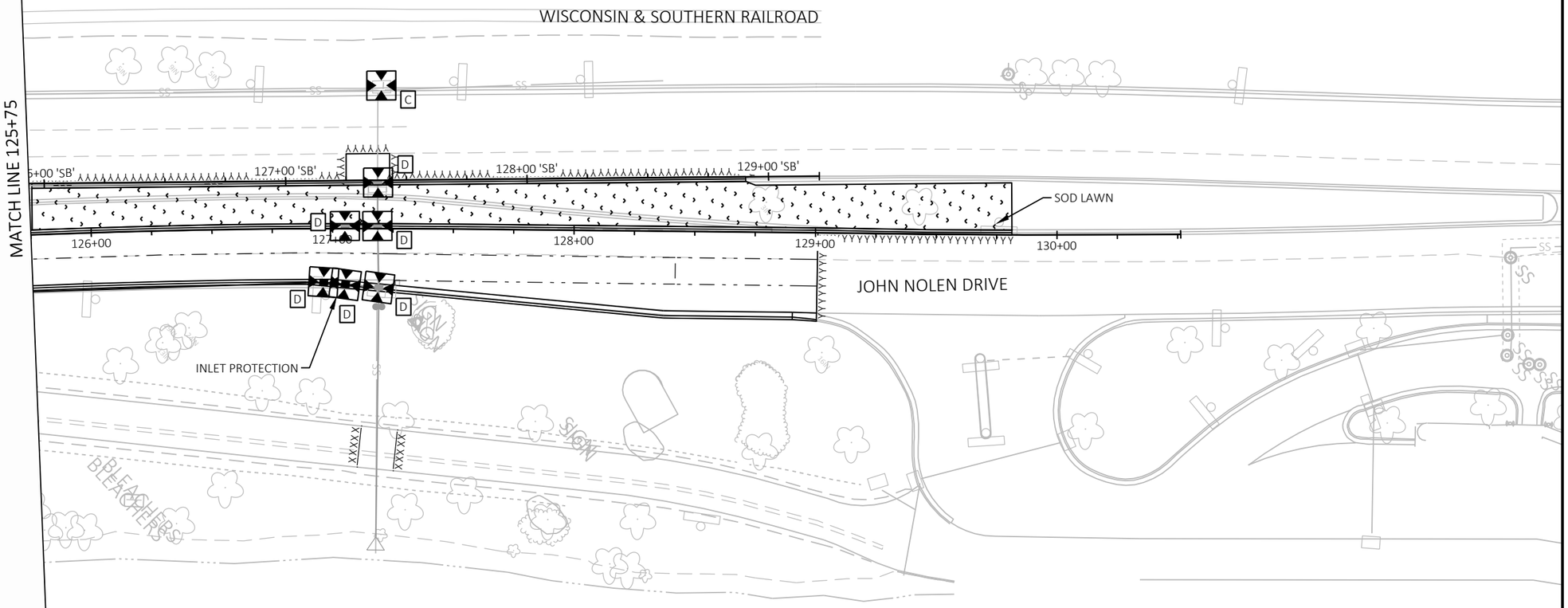
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EROSION MAT CLASS I URBAN TYPE A
- EROSION MAT CLASS I URBAN TYPE B
- SOD LAWN
- SILT FENCE HEAVY DUTY
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECKS
- SLOPE INTERCEPT
- ENHANCED TURBIDITY BARRIER
- RIPRAP MEDIUM
- INLET PROTECTION TYPE A B C D
- TEMPORARY PAVEMENT
- SHORELINE REVETMENT STONE
- SURFACE WATER FLOW

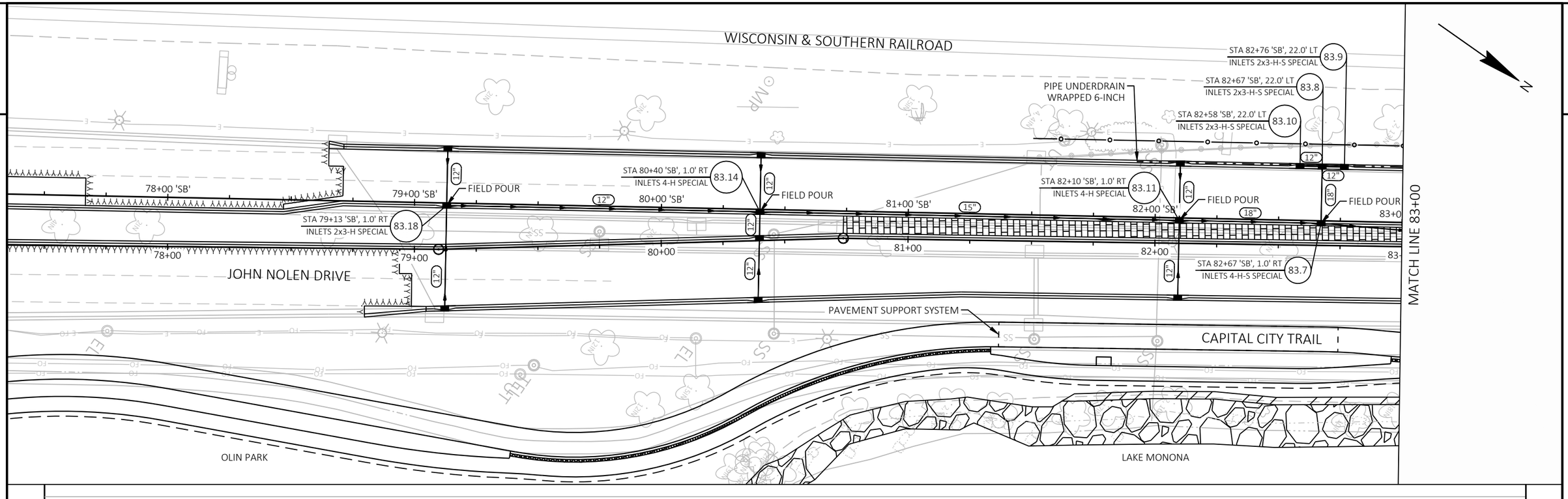


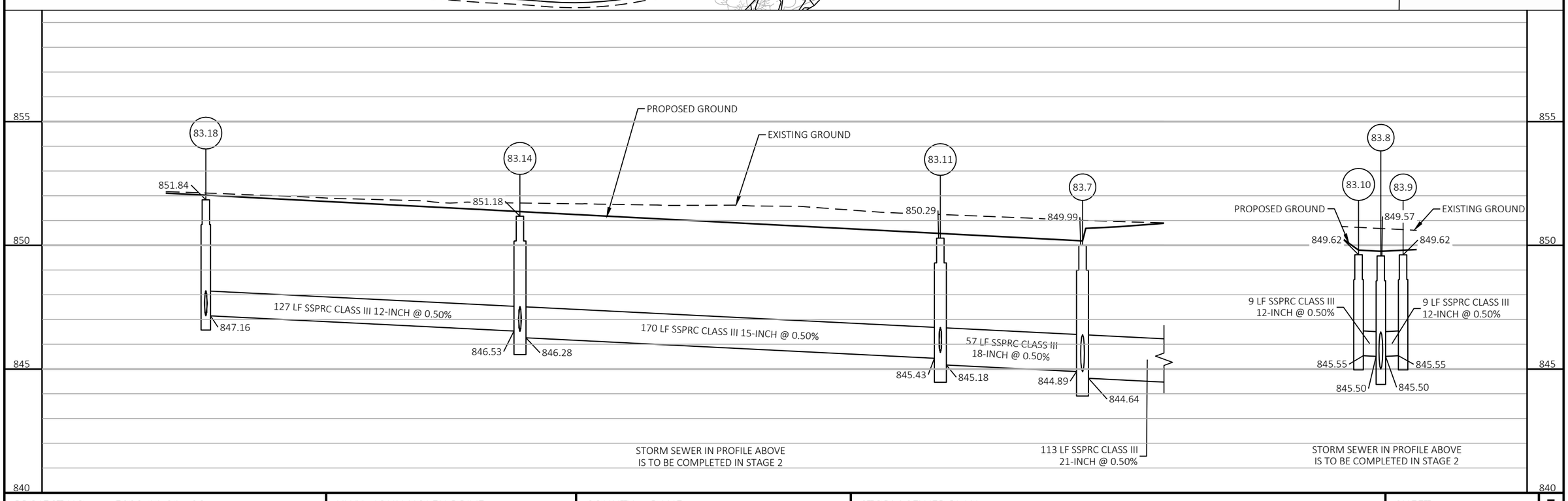
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	EROSION CONTROL STAGE 4	SHEET 234	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022001-EC_S3 AND S4.DWG
LAYOUT NAME - 022001-ec - 59

PLOT DATE : 5/23/2025 3:28 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

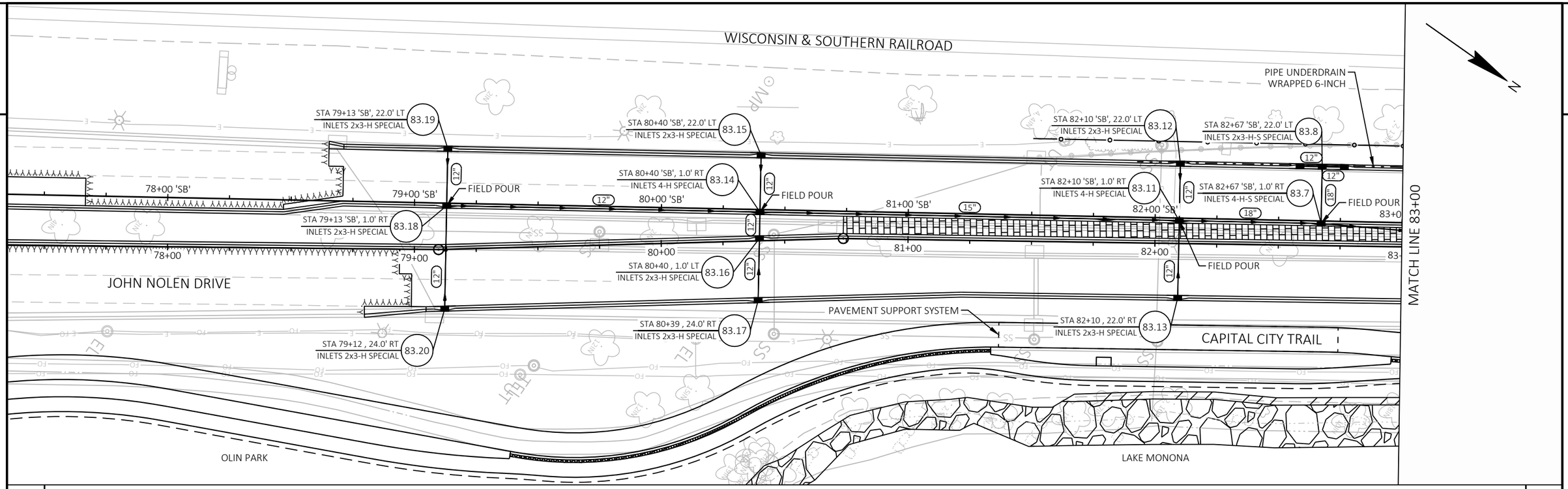
WISDOT/CADDS SHEET 42

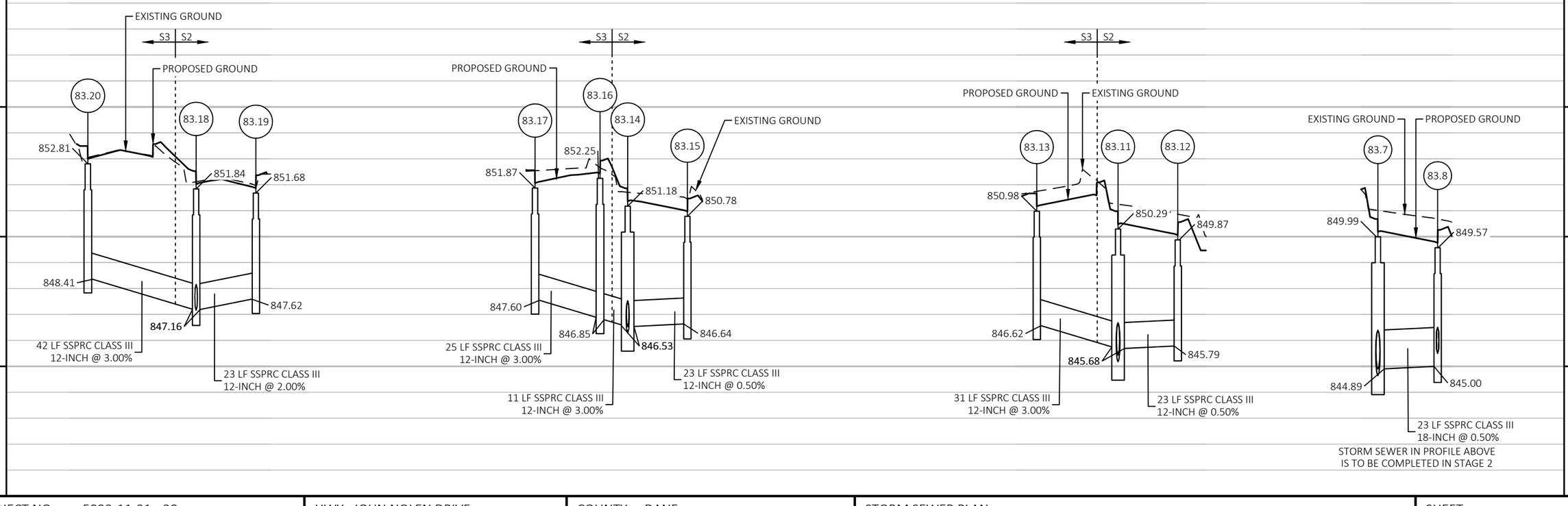




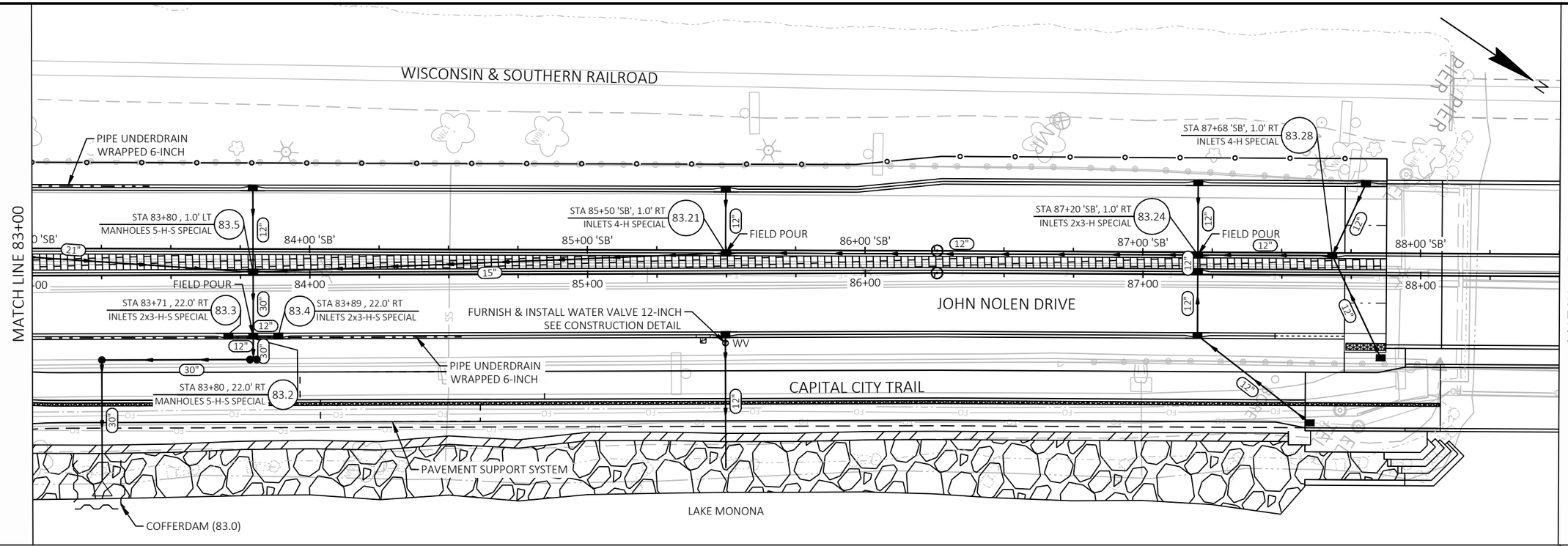
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 235	E

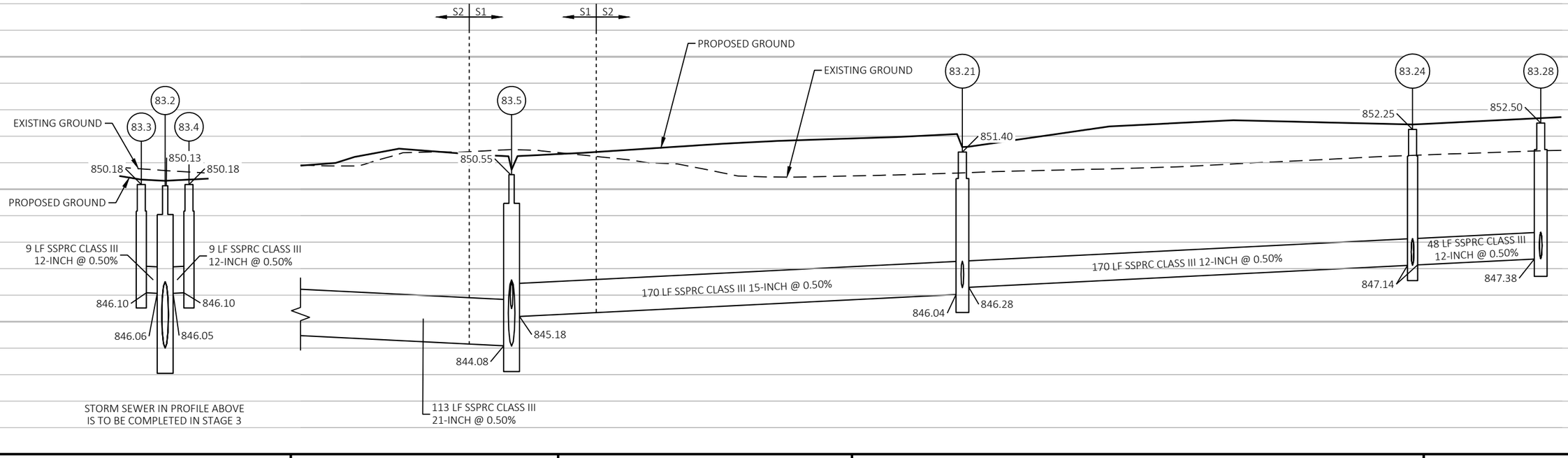
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 01
PLOT DATE : 5/23/2025 11:28 AM
PLOT BY : JACK HAFEMANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





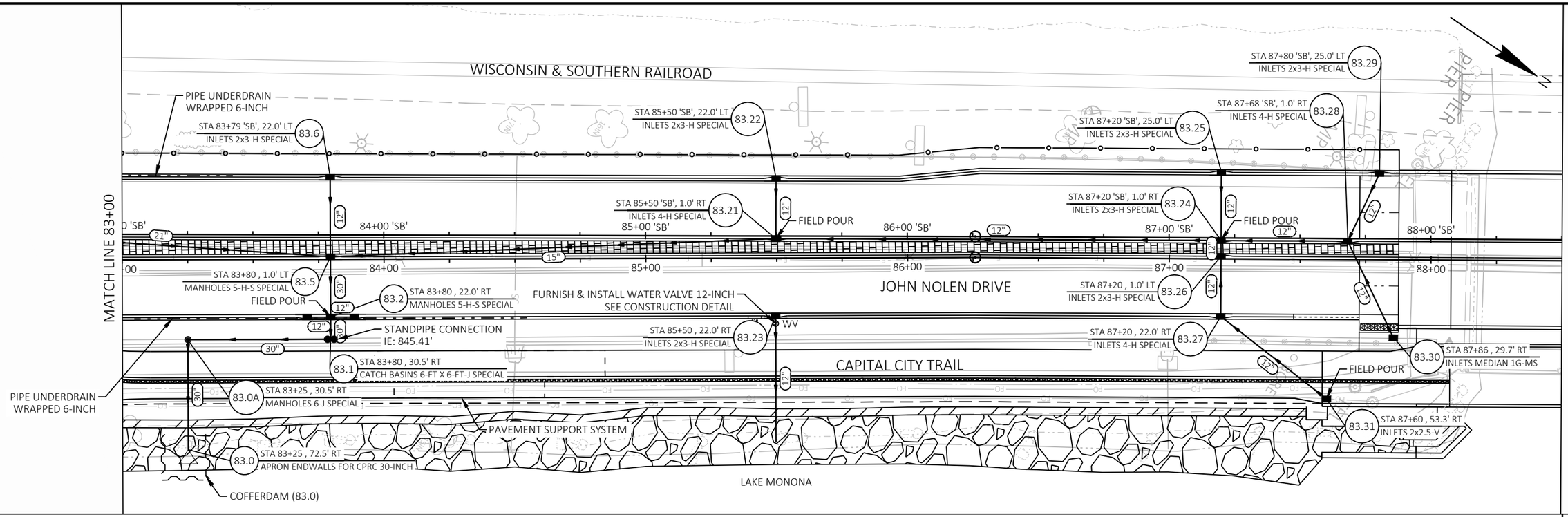
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 236	E

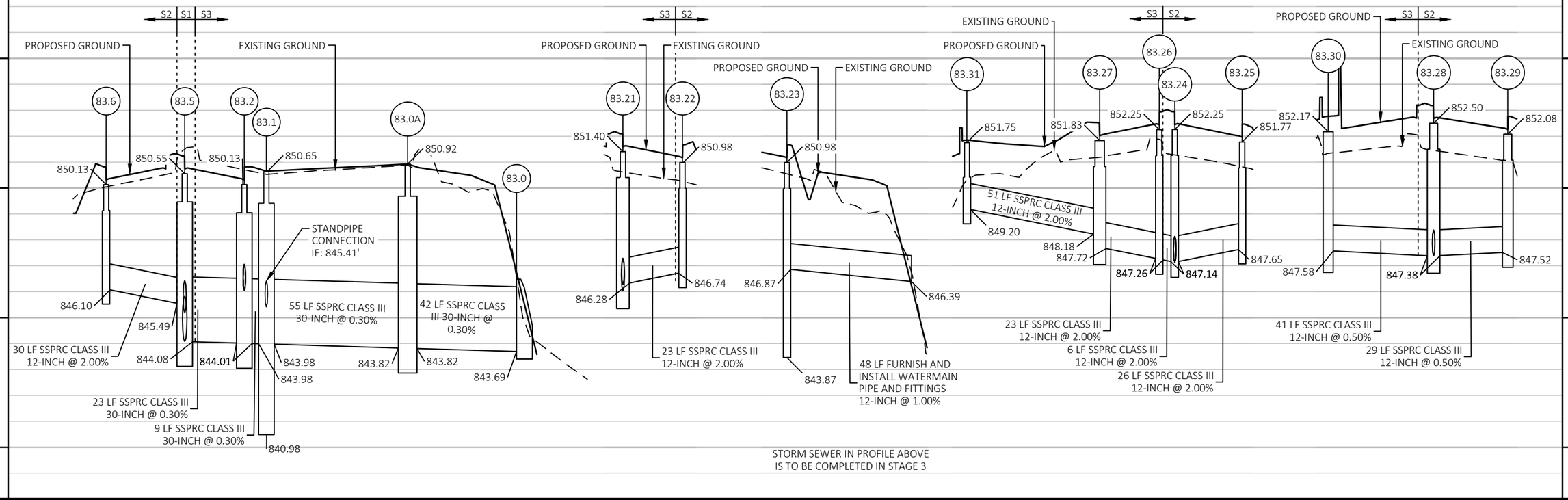




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 237	E

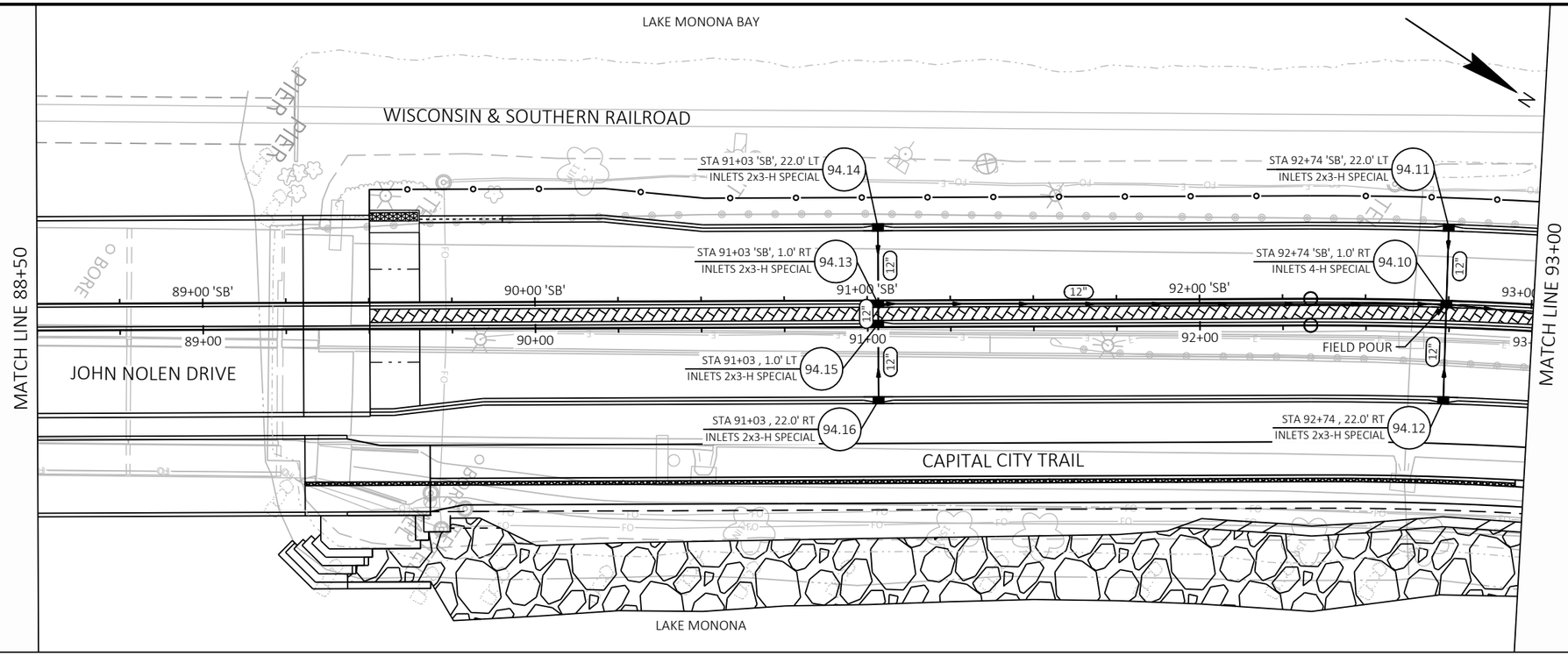
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 02
PLOT DATE : 5/23/2025 11:28 AM
PLOT BY : JACK HAFEMANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

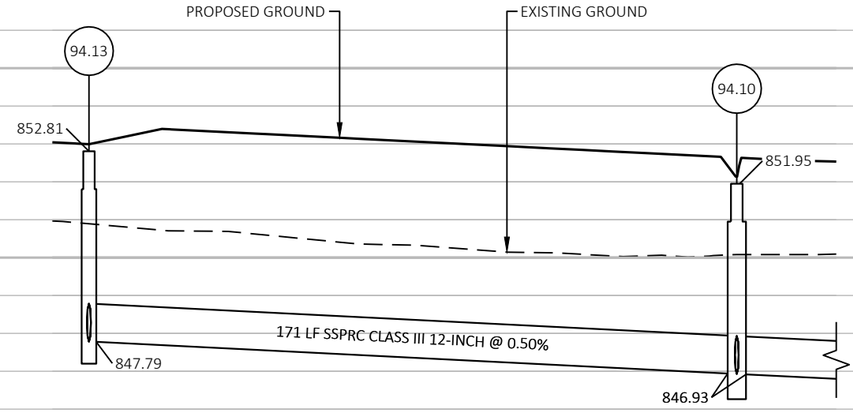


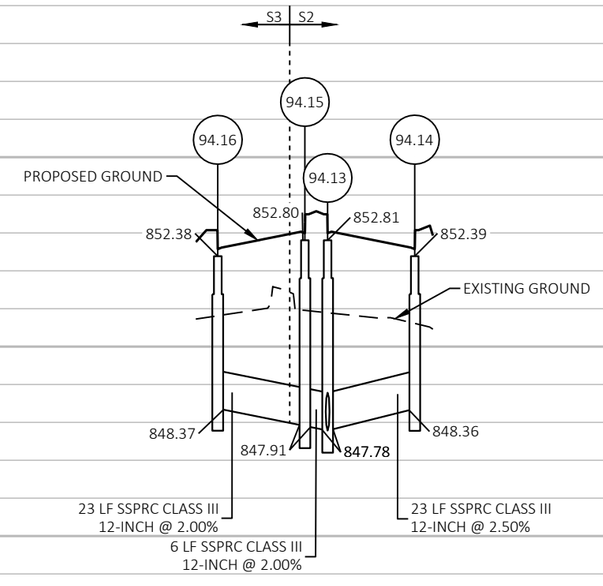


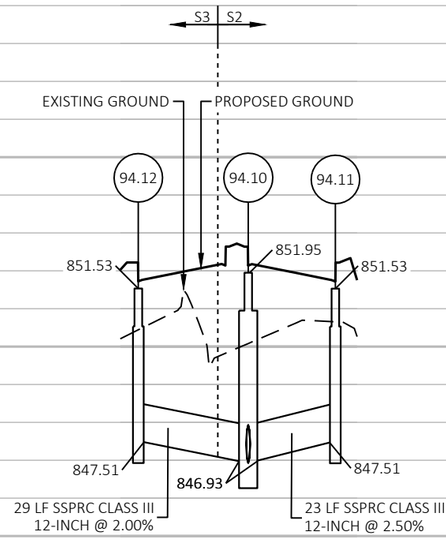
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 3

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 238	E





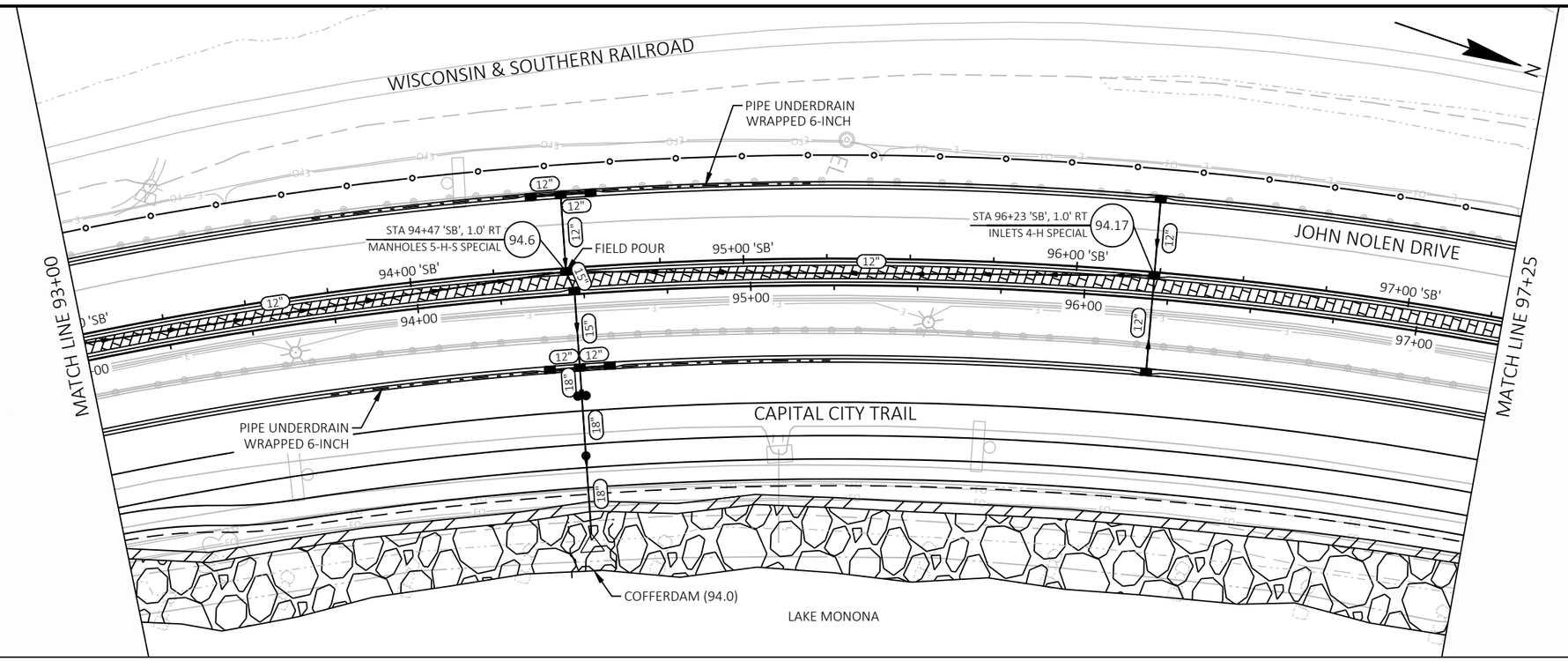


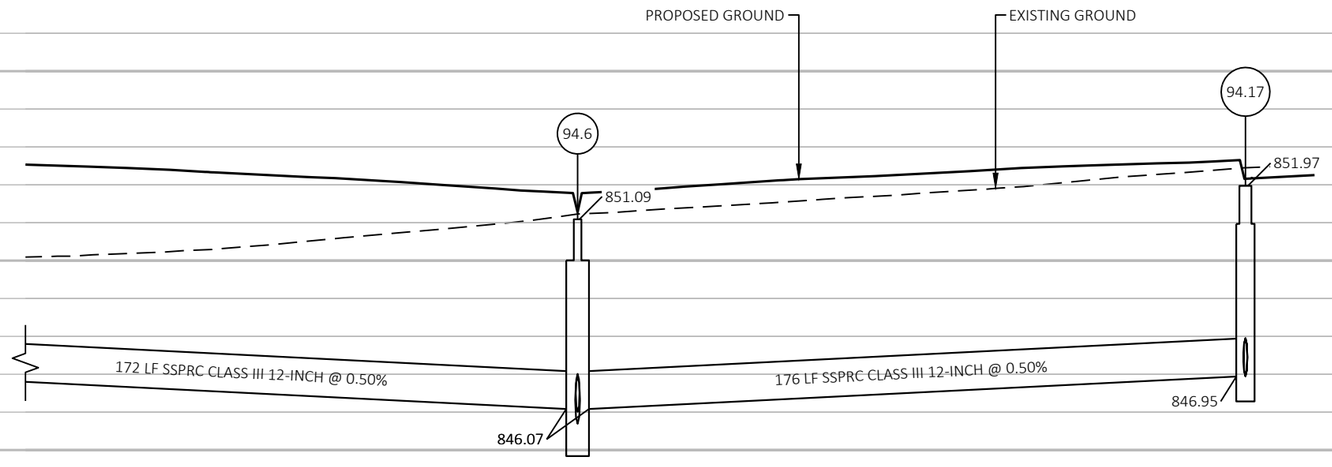


STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 239 E

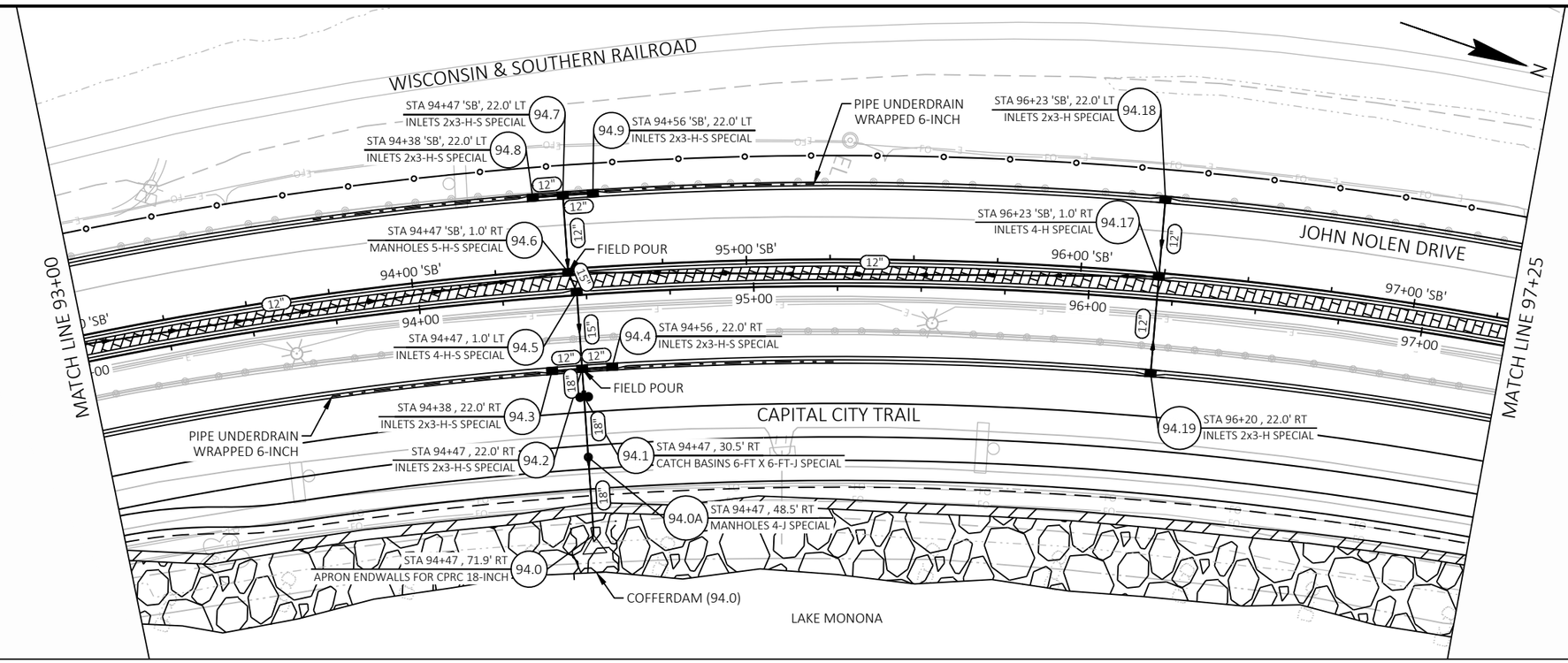
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 03
PLOT DATE : 5/23/2025 11:29 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

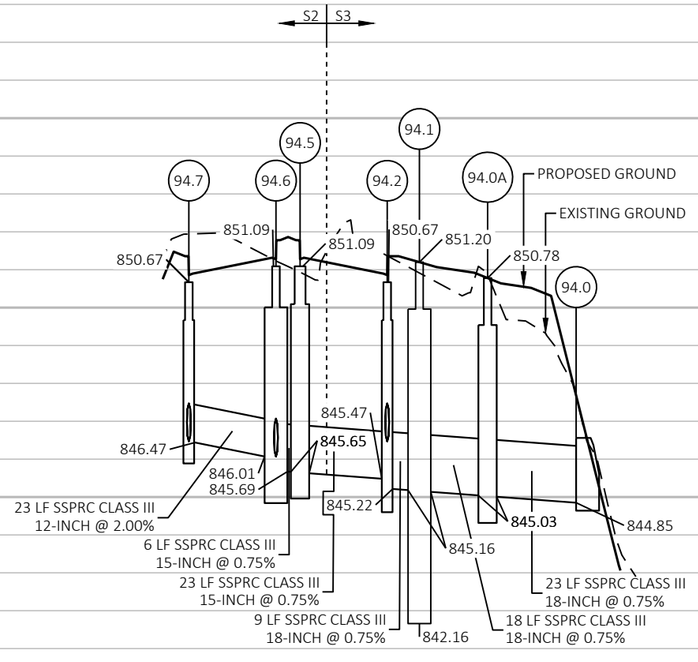




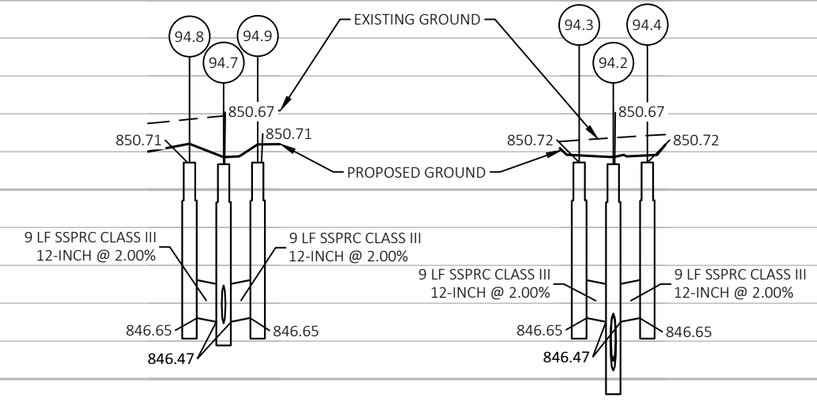
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 240 E

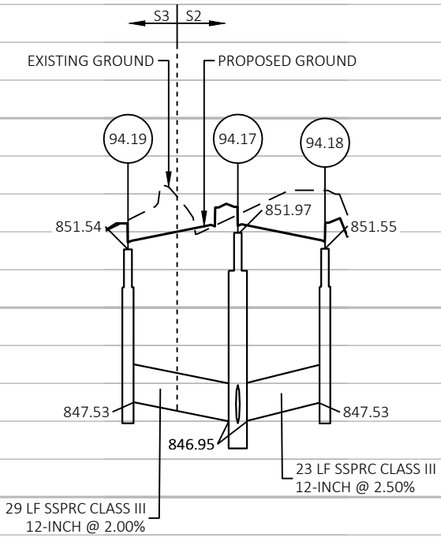




STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

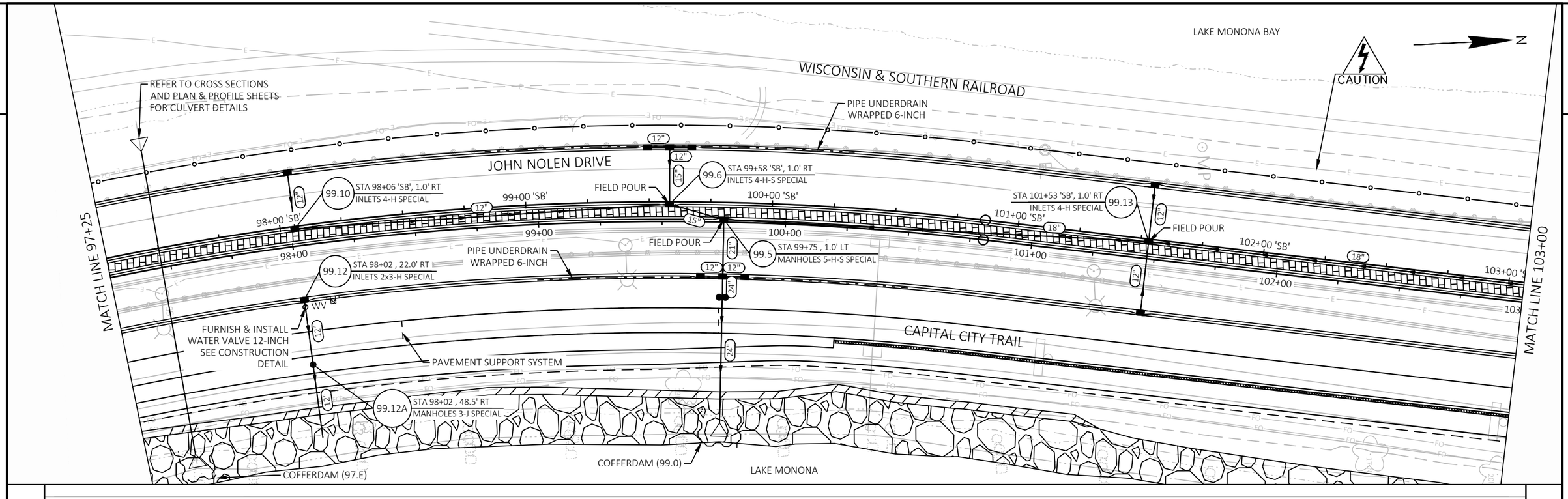


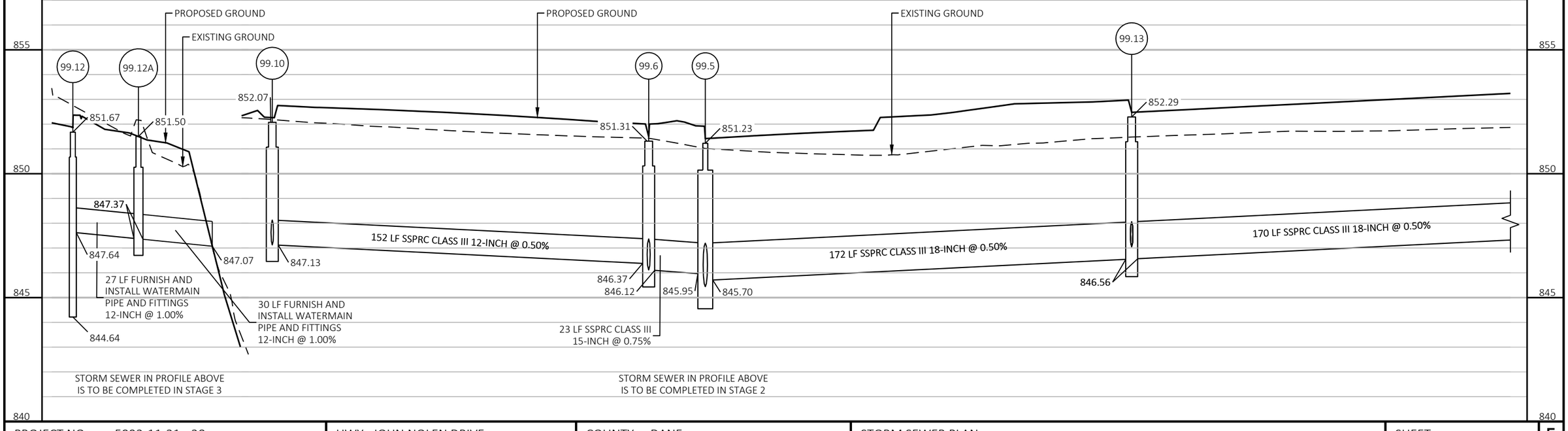
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 3



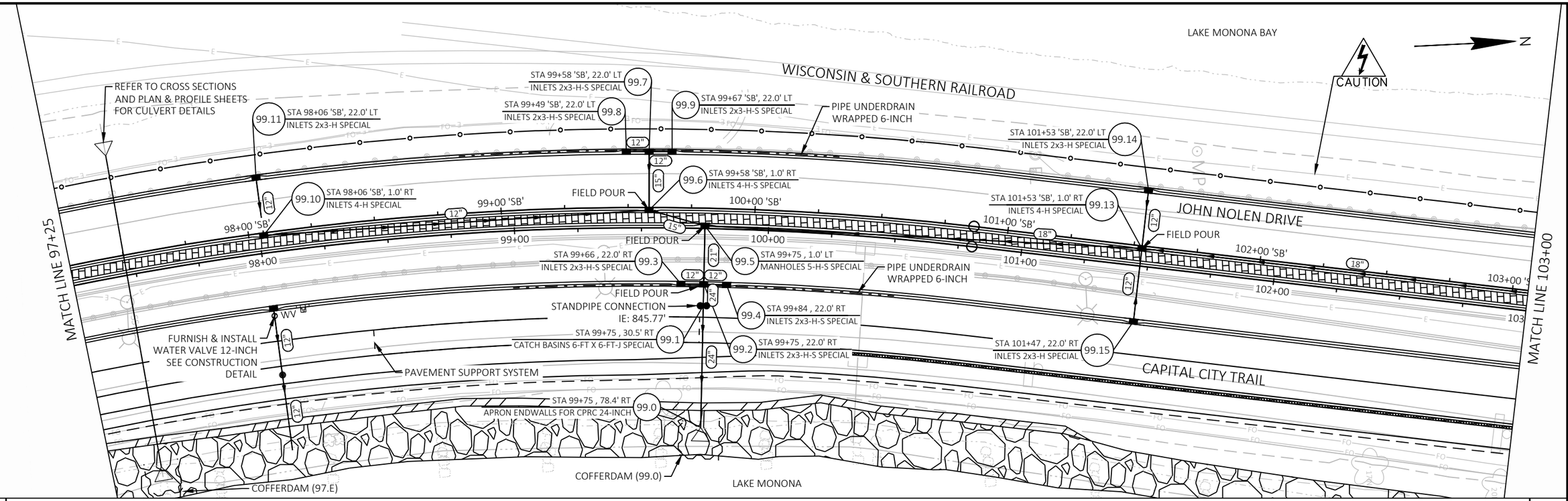
855
850
845
840

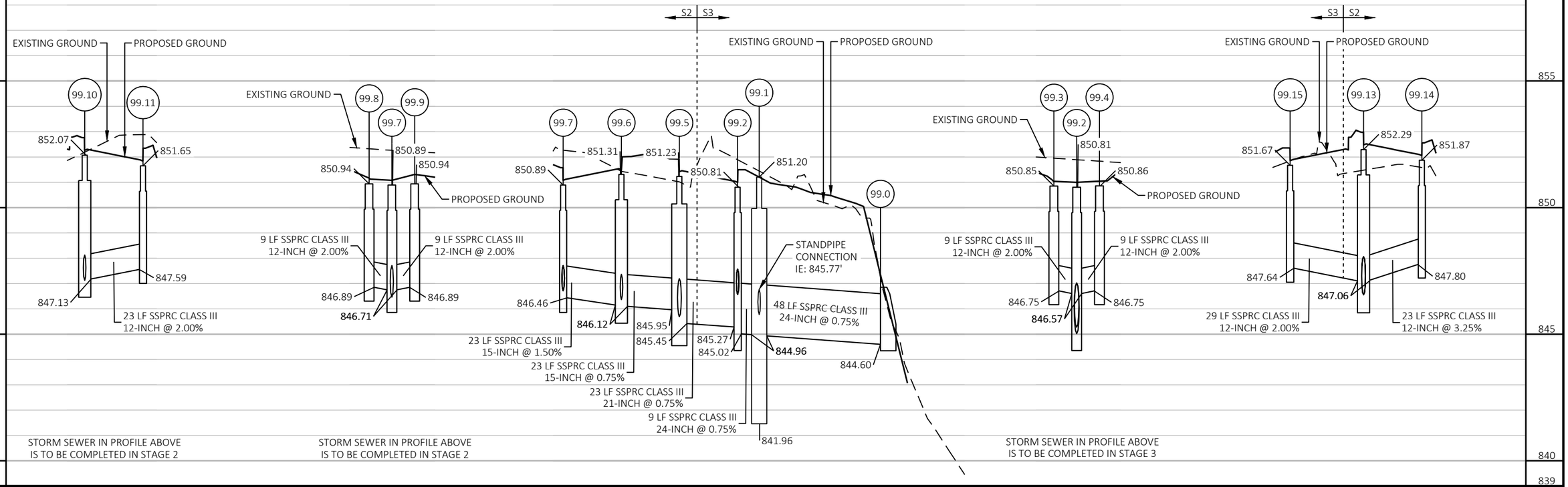
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 241 E



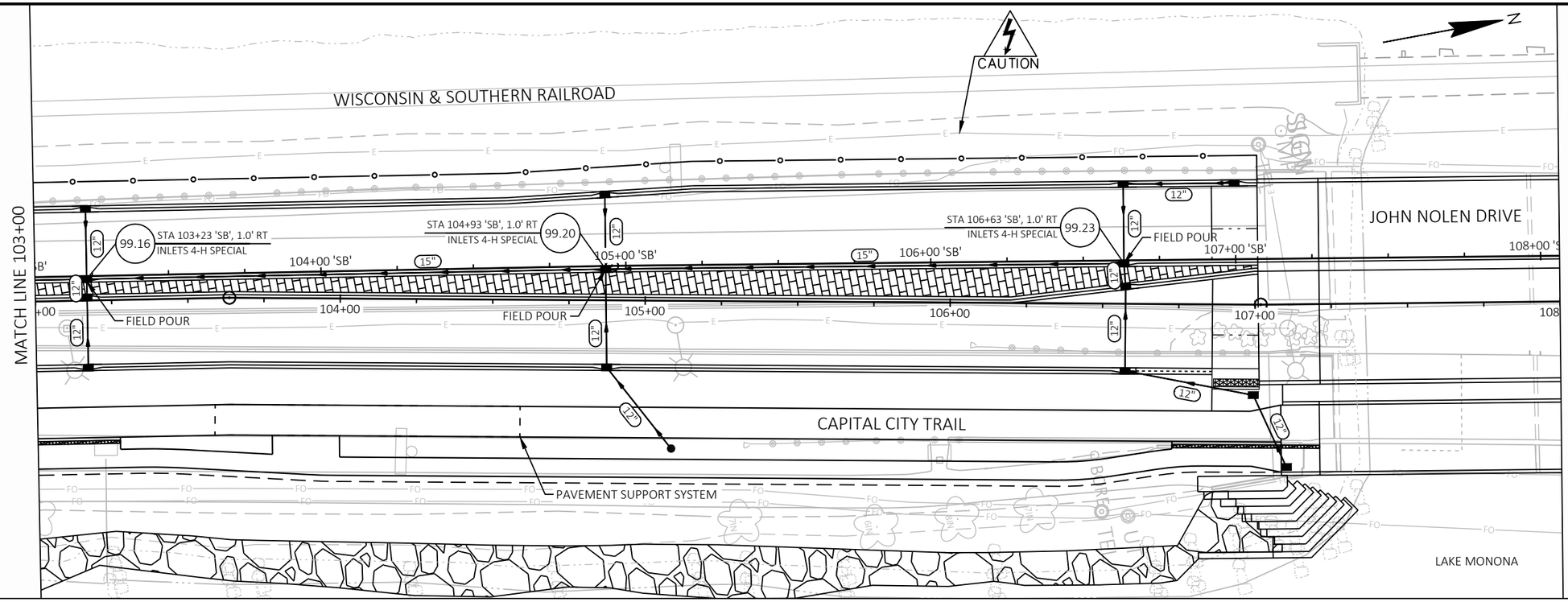


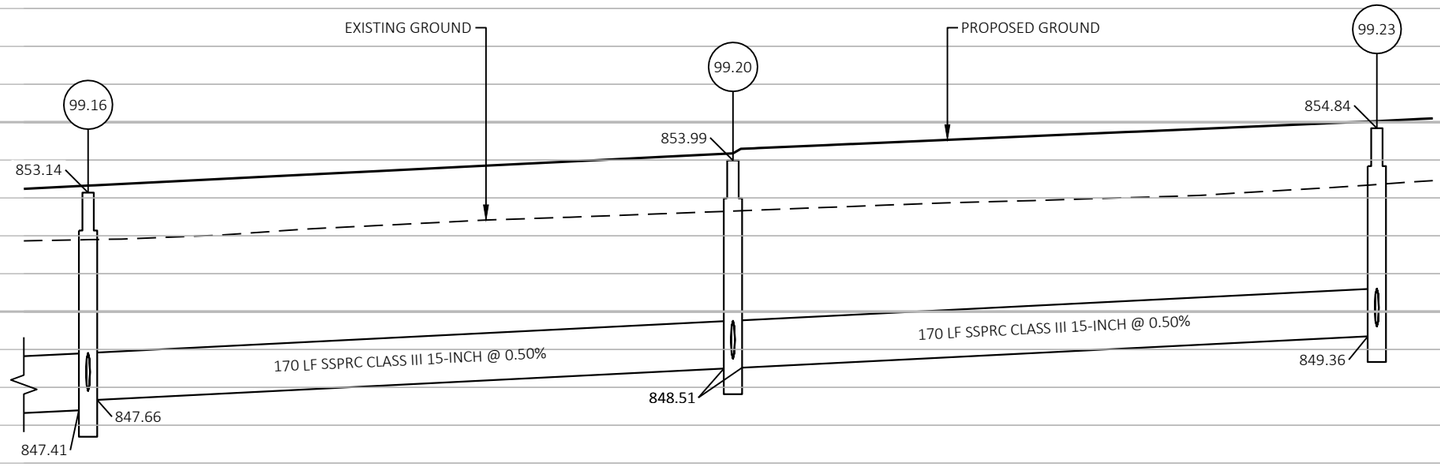
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 242 E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 243 E

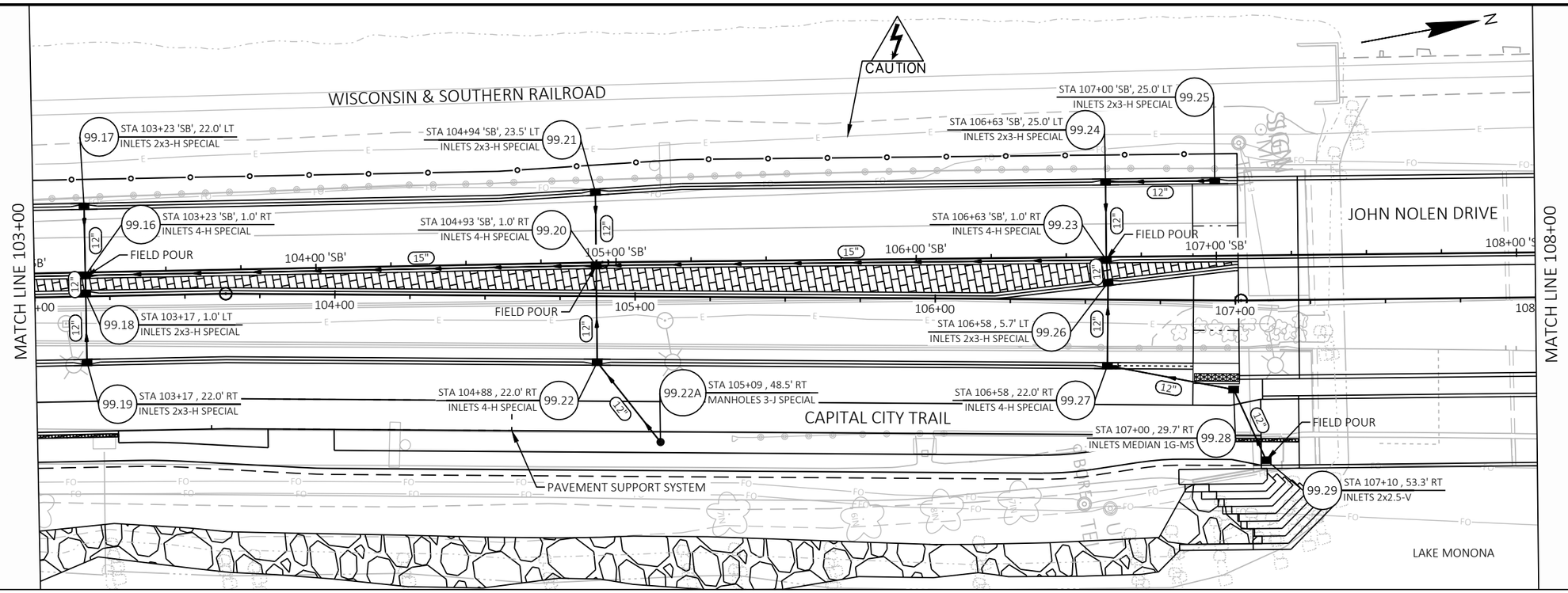


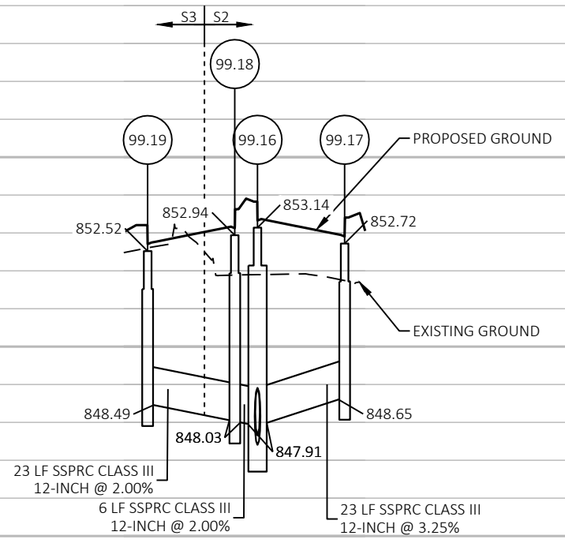


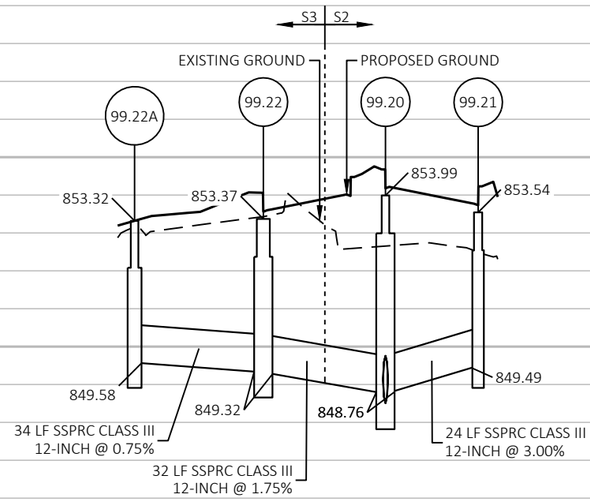
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

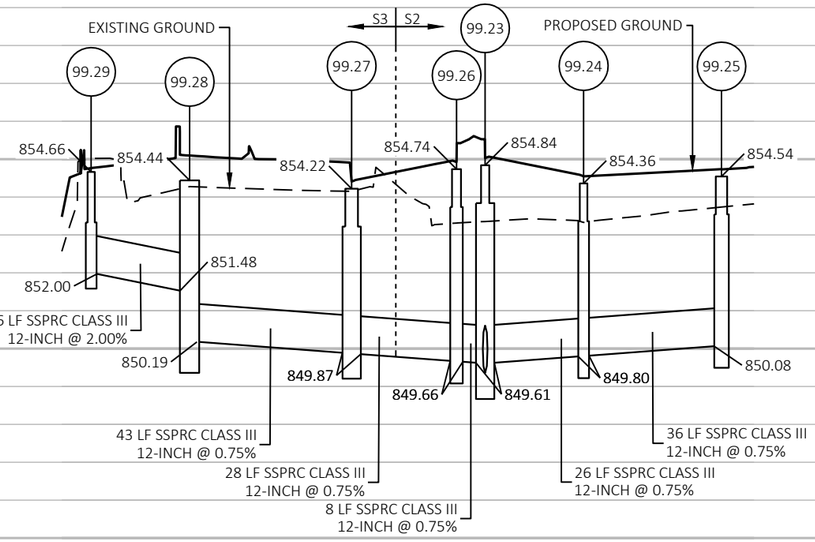
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 244	E

2





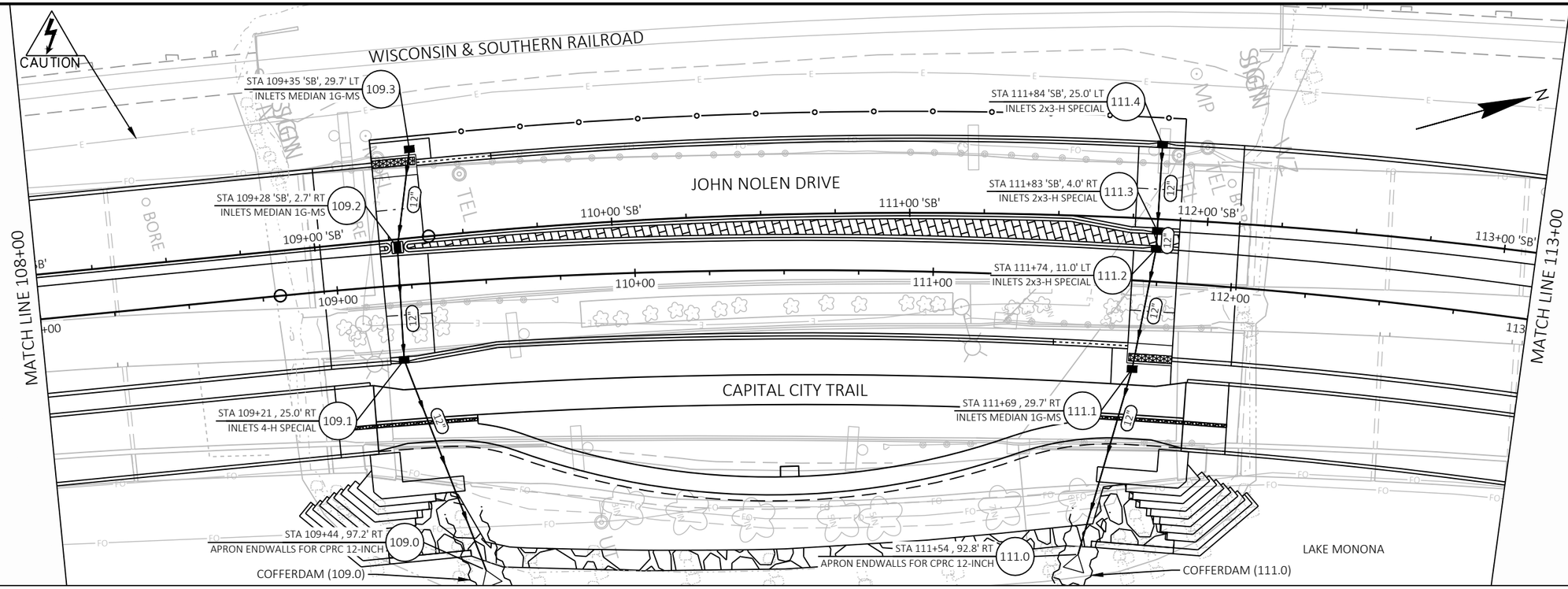


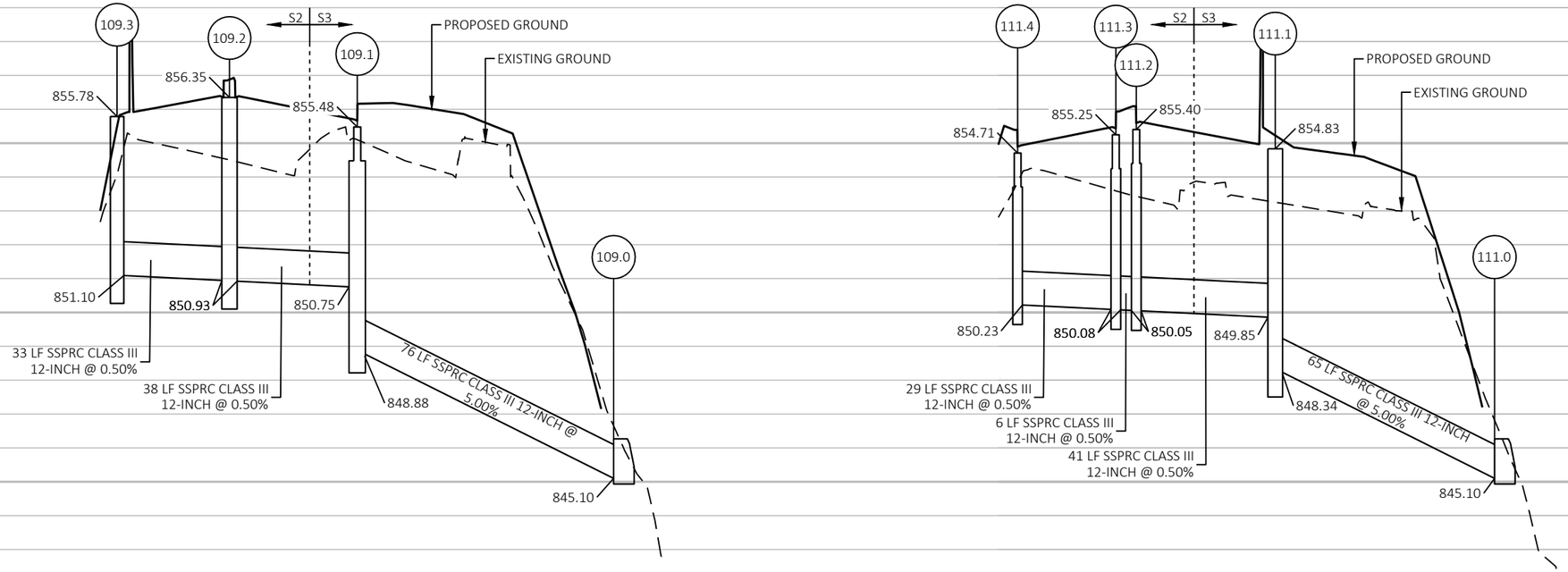


855
850
845
840

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 245	E

2



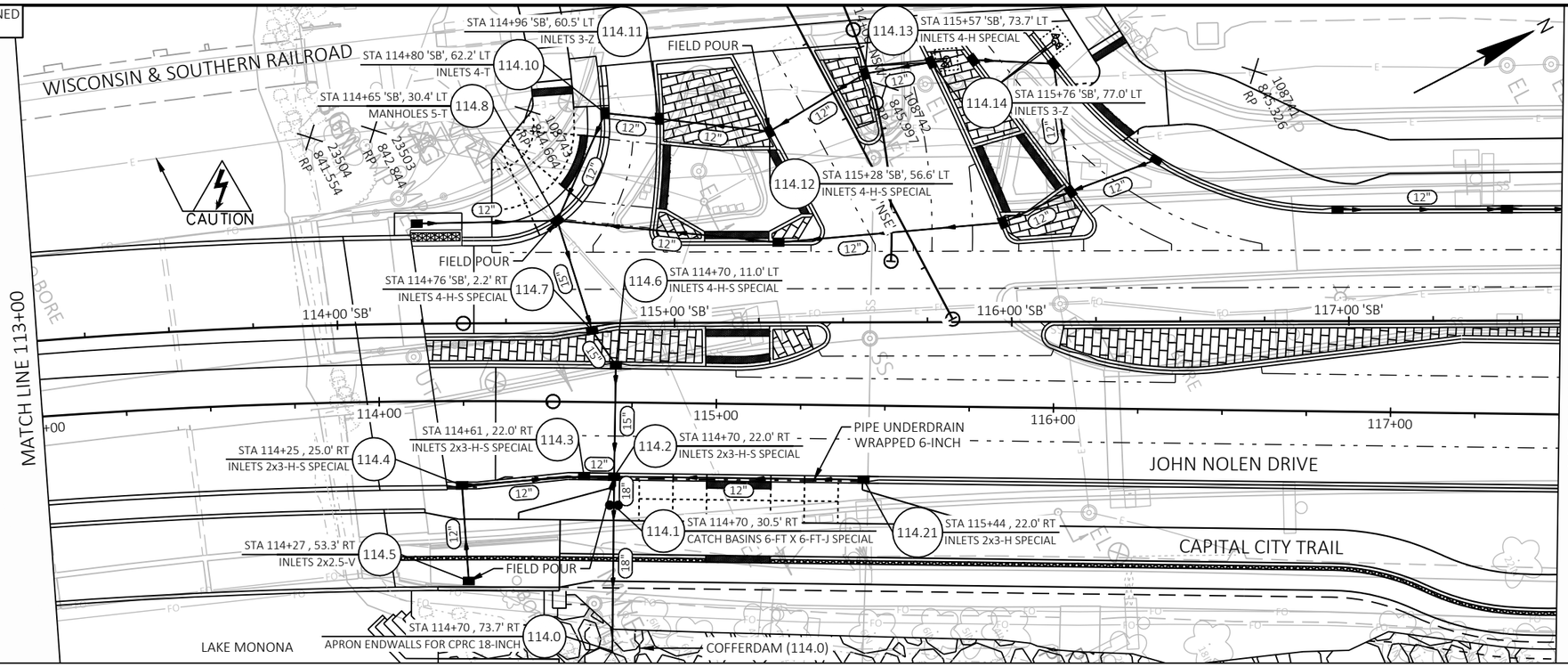


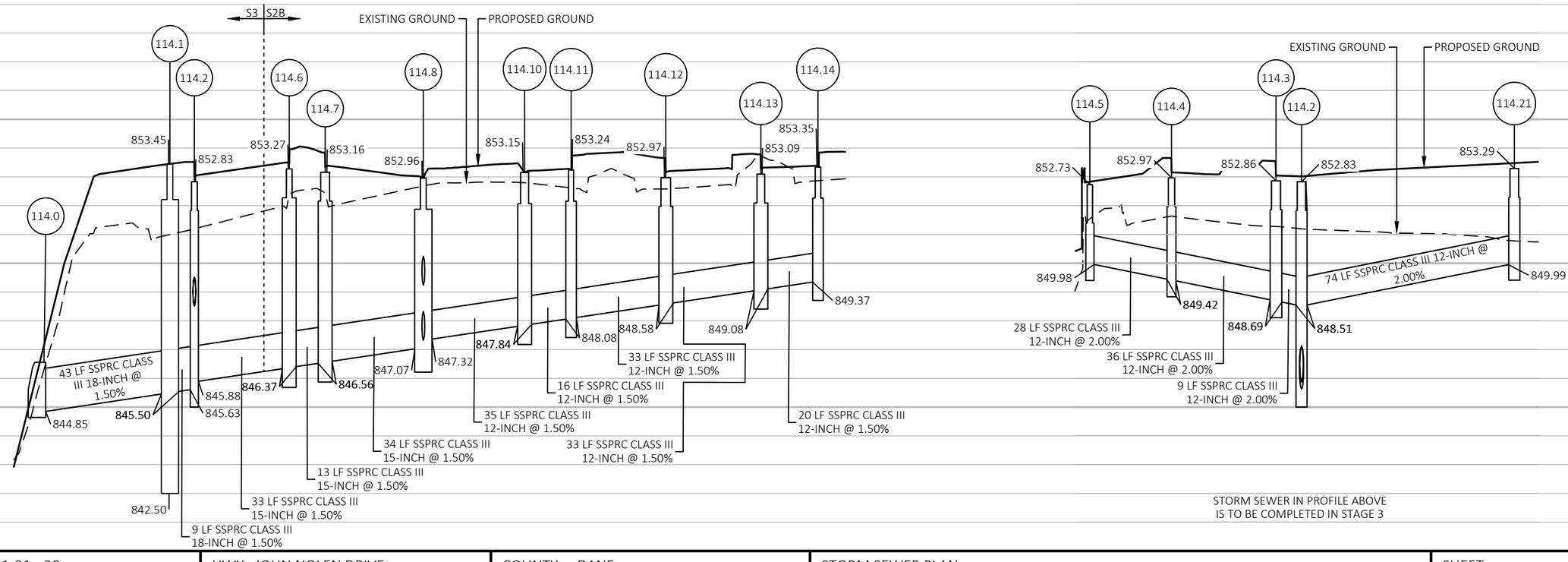
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 246 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 07
PLOT DATE : 5/23/2025 11:31 AM
PLOT BY : JACK HAFEMANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

ATC ULO DATA OBTAINED DURING DESIGN

2

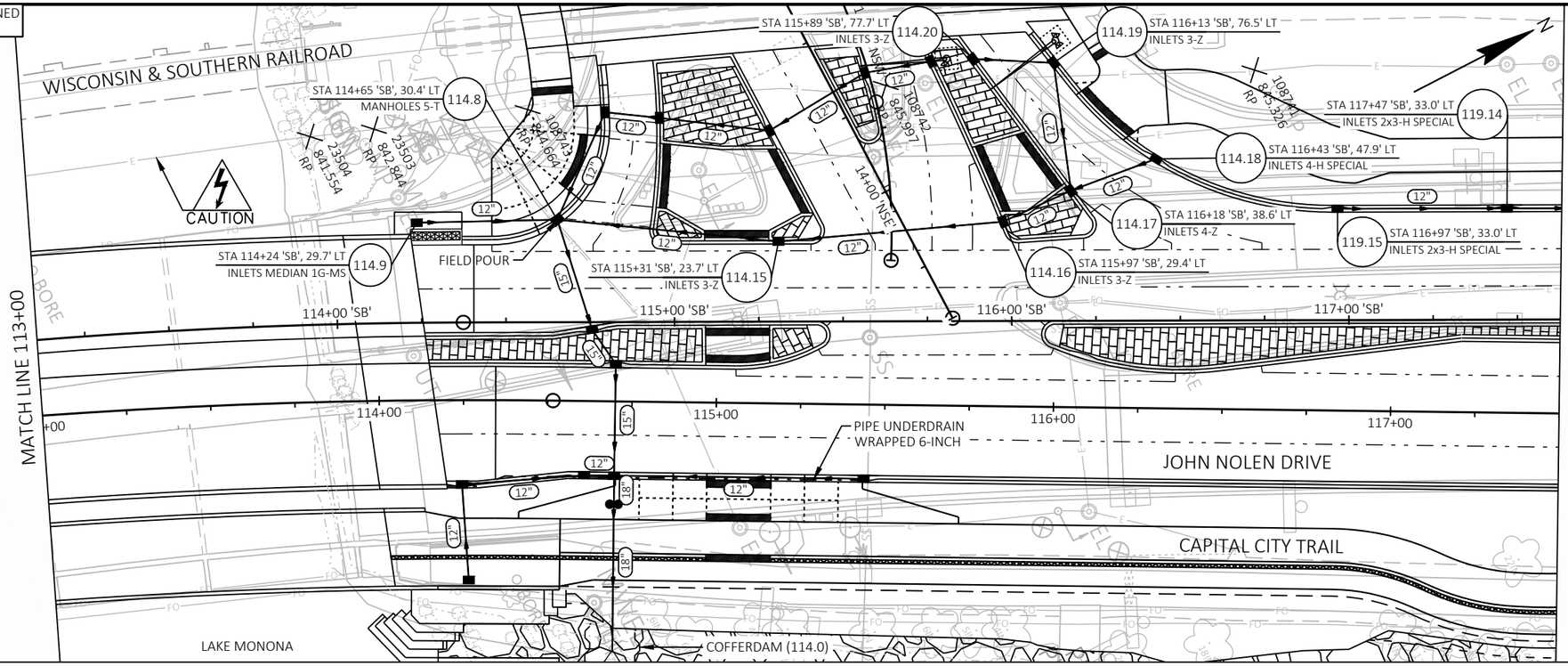


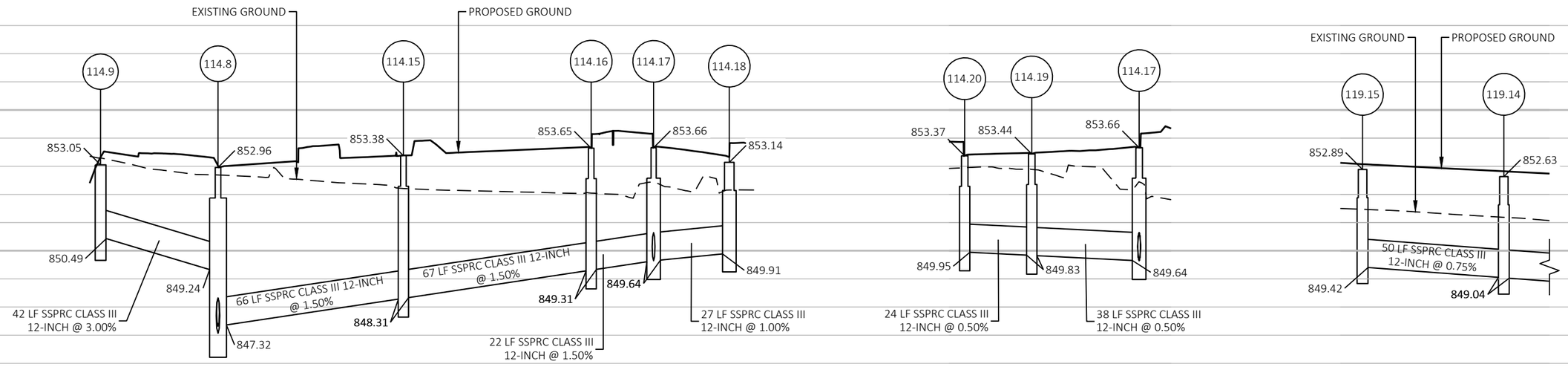


STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 3

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 247	E

ATC ULO DATA OBTAINED DURING DESIGN





STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2B

STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2B

STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 248	E

ATC ULO DATA OBTAINED DURING DESIGN

MATCH LINE 117+50

MATCH LINE 123+25

CAUTION

119.11 STA 119+46 'SB', 33.0' LT INLETS 2x3-H-S SPECIAL

PIPE UNDERDRAIN WRAPPED 6-INCH

119.10 STA 119+46 'SB', 1.0' RT INLETS 2x3-H-S SPECIAL

119.8 STA 119+51 , 22.0' LT INLETS 2x3-H-S SPECIAL

119.5 STA 117+71 , 22.0' LT INLETS 2x3-H SPECIAL

119.9 STA 119+33 , 22.0' LT INLETS 4-H-S SPECIAL

119.7 STA 119+42 , 22.0' LT INLETS 4-H-S SPECIAL

PIPE UNDERDRAIN WRAPPED 6-INCH

119.3 STA 119+33 , 22.0' RT INLETS 2x3-H-S SPECIAL

119.6 STA 119+51 , 22.0' RT INLETS 2x3-H-S SPECIAL

JOHN NOLEN DRIVE

PIPE UNDERDRAIN WRAPPED 6-INCH

119.2 STA 119+42 , 22.0' RT INLETS 2x3-H-S SPECIAL

119.1 STA 119+43 , 30.5' RT CATCH BASINS 6-FT X 6-FT-J SPECIAL

119.4 STA 117+71 , 22.0' RT INLETS 2x3-H SPECIAL

CAPITAL CITY TRAIL

119.0 STA 119+48 , 82.4' RT APRON ENDWALLS FOR CPRC 18-INCH

COFFERDAM (119.0)

COFFERDAM (120.0)

PROPOSED GROUND

EXISTING GROUND

119.5 119.4 119.3 119.6 119.2

853.06 853.06 852.26 852.21 852.26

849.80 849.36 848.56 849.00 848.38 848.82

44 LF SSPRC CLASS III 12-INCH @ 1.00%

161 LF SSPRC CLASS III 12-INCH @ 0.50%

9 LF SSPRC CLASS III 12-INCH @ 2.00%

9 LF SSPRC CLASS III 12-INCH @ 2.00%

PROPOSED GROUND

EXISTING GROUND

119.11 119.10 119.9 119.7 119.2 119.1 119.0 119.8

851.63 852.27 852.26 852.21 852.21 852.20 852.21 852.25

847.40 846.90 846.67 846.81 846.01 845.76 845.63 844.85 842.63 849.60 849.78

34 LF SSPRC CLASS III 15-INCH @ 1.50%

6 LF SSPRC CLASS III 15-INCH @ 1.50%

44 LF SSPRC CLASS III 15-INCH @ 1.50%

9 LF SSPRC CLASS III 15-INCH @ 1.50%

9 LF SSPRC CLASS III 18-INCH @ 1.50%

52 LF SSPRC CLASS III 18-INCH @ 1.50%

9 LF SSPRC CLASS III 12-INCH @ 2.00%

PROPOSED GROUND

EXISTING GROUND

STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 1

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 249	E

ATC ULO DATA OBTAINED DURING DESIGN

MATCH LINE 117+50

MATCH LINE 123+25

119.16 STA 118+50 'SB', 67.7' LT INLETS MEDIAN 1G-MS

119.11 STA 119+46 'SB', 33.0' LT INLETS 2x3-H-S SPECIAL

STA 120+79 'SB', 60.2' LT INLETS 3-Z 120.5

120.4 STA 121+10 'SB', 38.1' LT MANHOLES 6-FT X 10-FT-J SPECIAL

CAUTION

119.13 STA 118+47 'SB', 33.0' LT INLETS 2x3-H SPECIAL

119.12 STA 119+37 'SB', 33.0' LT INLETS 2x3-H-S SPECIAL

119.17 STA 119+55 'SB', 33.0' LT INLETS 2x3-H-S SPECIAL

STA 120+65 'SB', 43.1' LT INLETS 3-Z 120.6

120.7 STA 121+29 'SB', 39.7' LT INLETS 2x3-H SPECIAL

PIPE UNDERDRAIN WRAPPED 6-INCH

FIELD POUR

118+00 'SB'

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

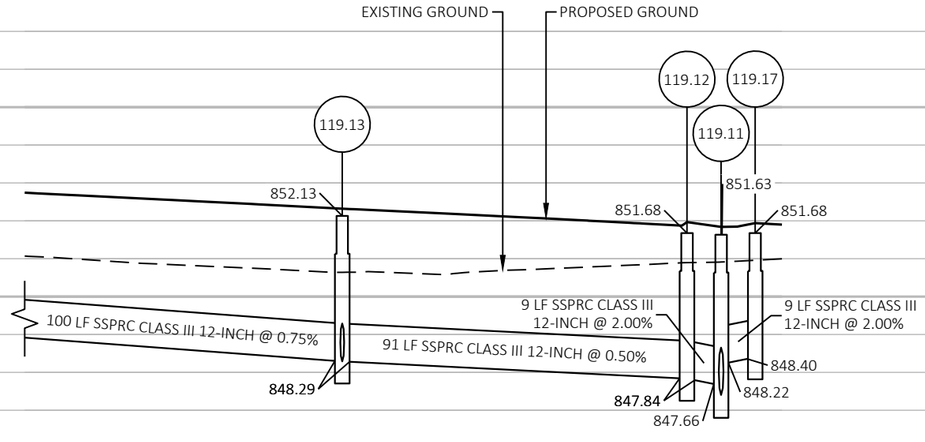
123+00 'SB'

JOHN NOLEN DRIVE

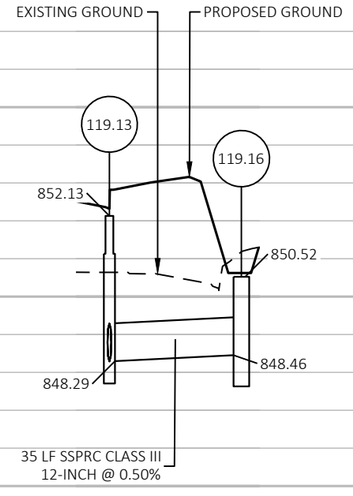
CAPITAL CITY TRAIL

COFFERDAM (119.0)

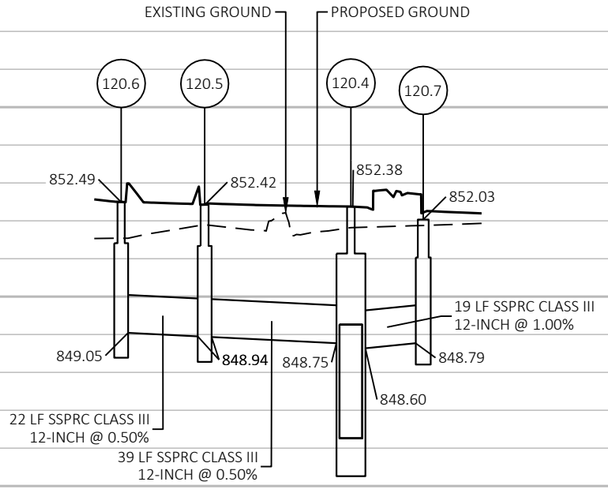
COFFERDAM (120.0)



STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2



STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2



STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2A

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 250	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 09.1

PLOT DATE : 5/23/2025 11:32 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ATC ULO DATA OBTAINED DURING DESIGN

MATCH LINE 117+50

MATCH LINE 123+25

PIPE UNDERDRAIN WRAPPED 6-INCH

PIPE UNDERDRAIN WRAPPED 6-INCH

PIPE UNDERDRAIN WRAPPED 6-INCH

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

COFFERDAM (119.0)

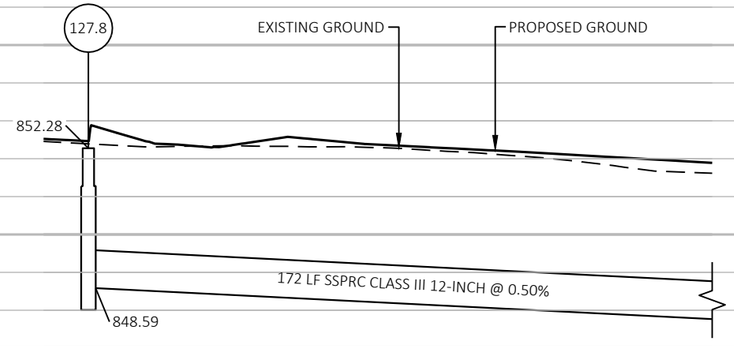
COFFERDAM (120.0)

CAUTION

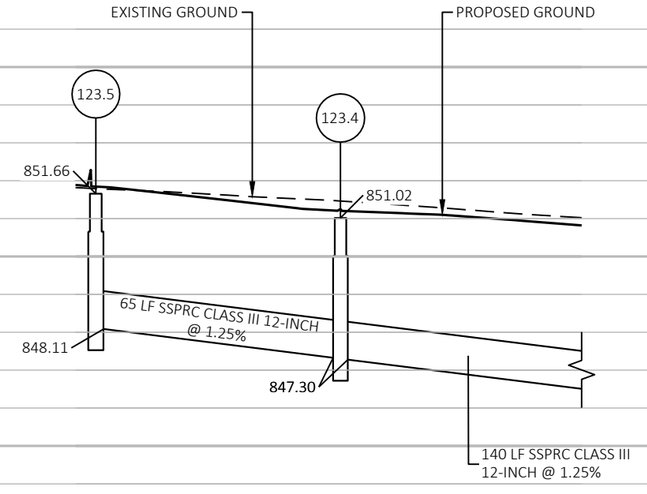
STA 122+15 'SB', 33.0' LT
INLETS 2x3-H SPECIAL
123.5

STA 122+79 'SB', 33.0' LT
INLETS 2x3-H SPECIAL
123.4

STA 121+59 , 22.0' RT
INLETS 2x3-H SPECIAL
127.8

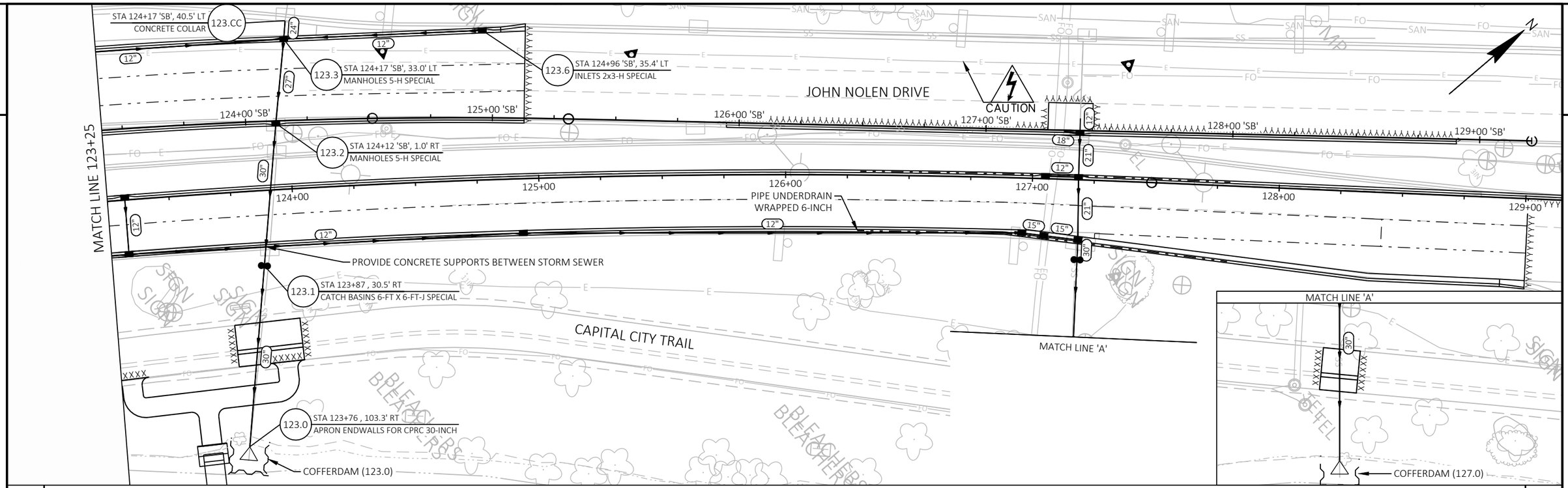


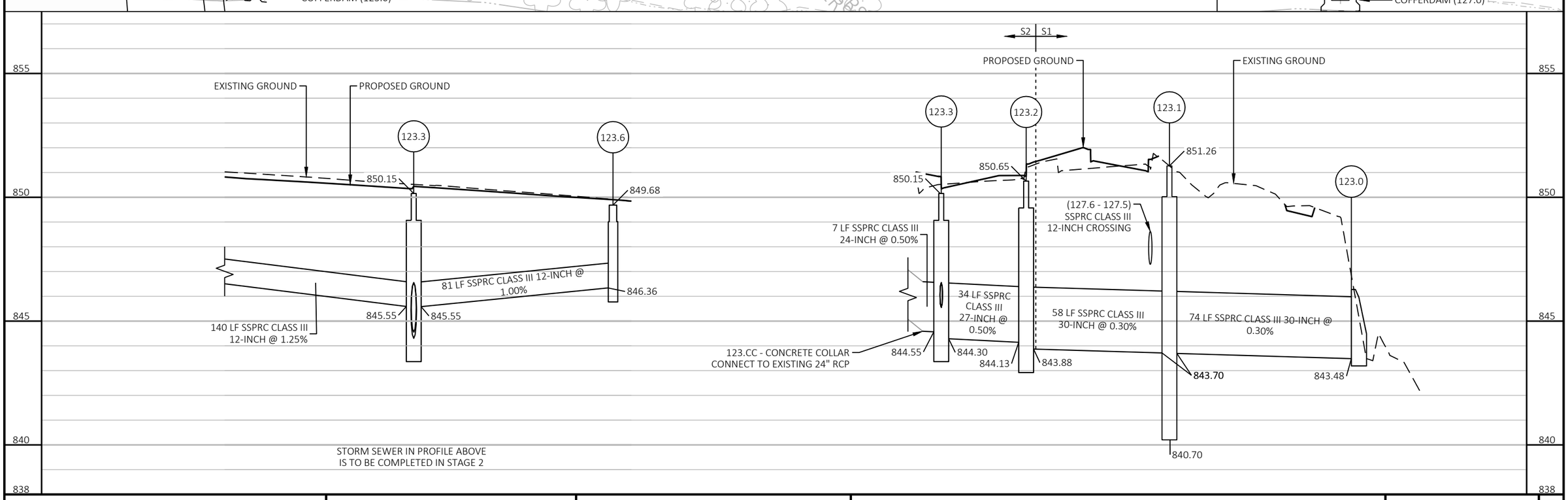
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 3



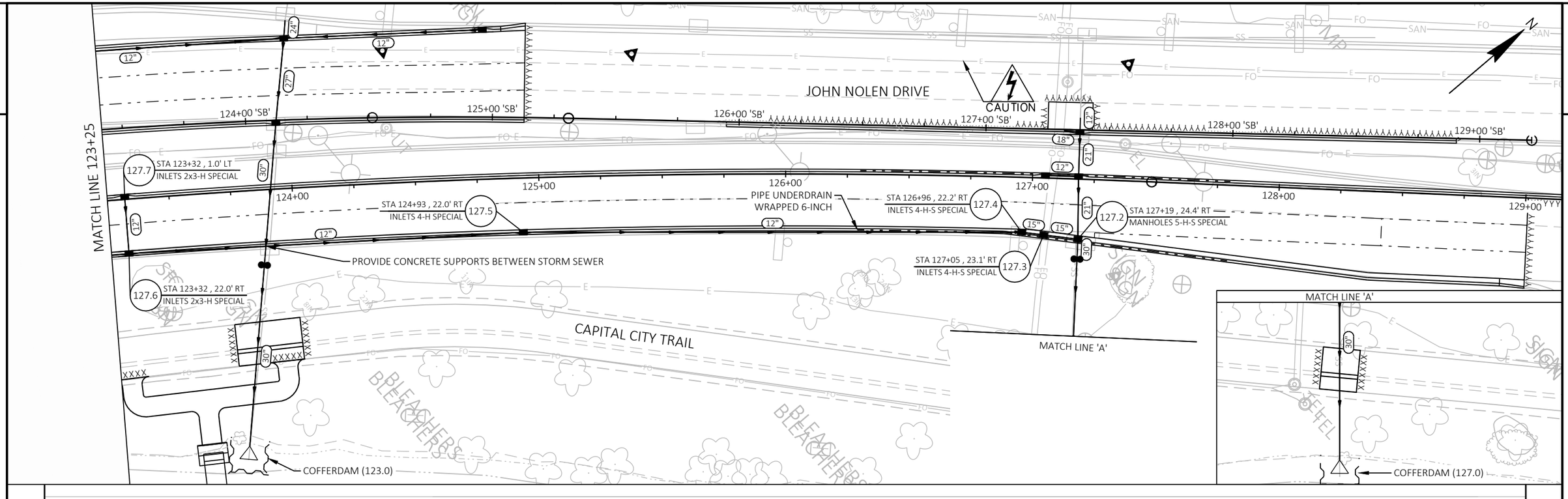
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2

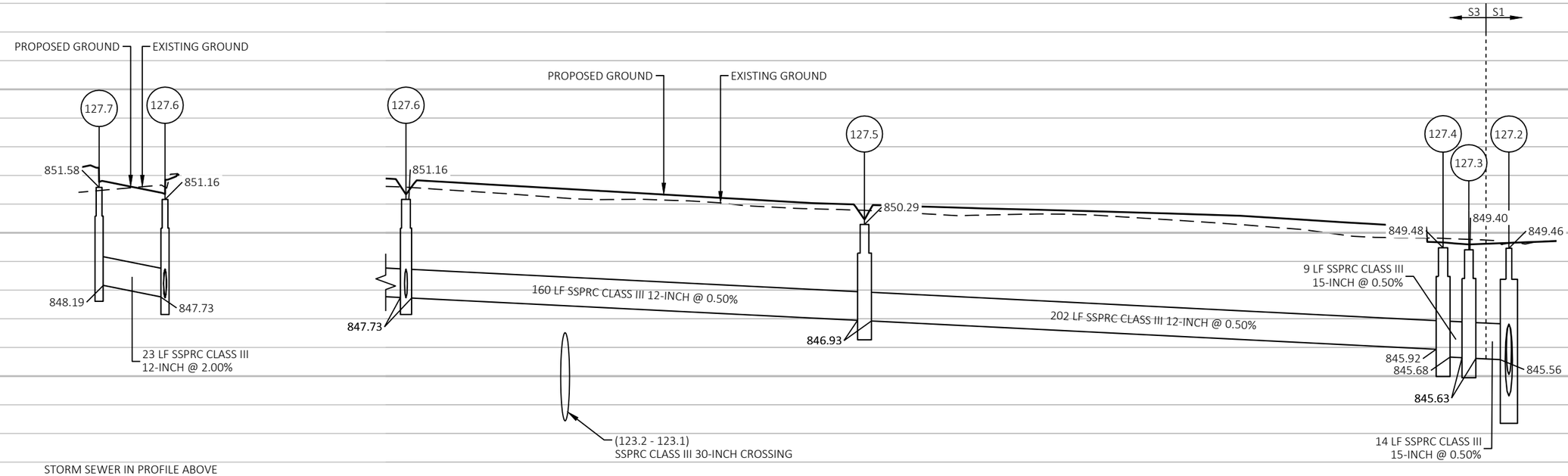
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 251 E



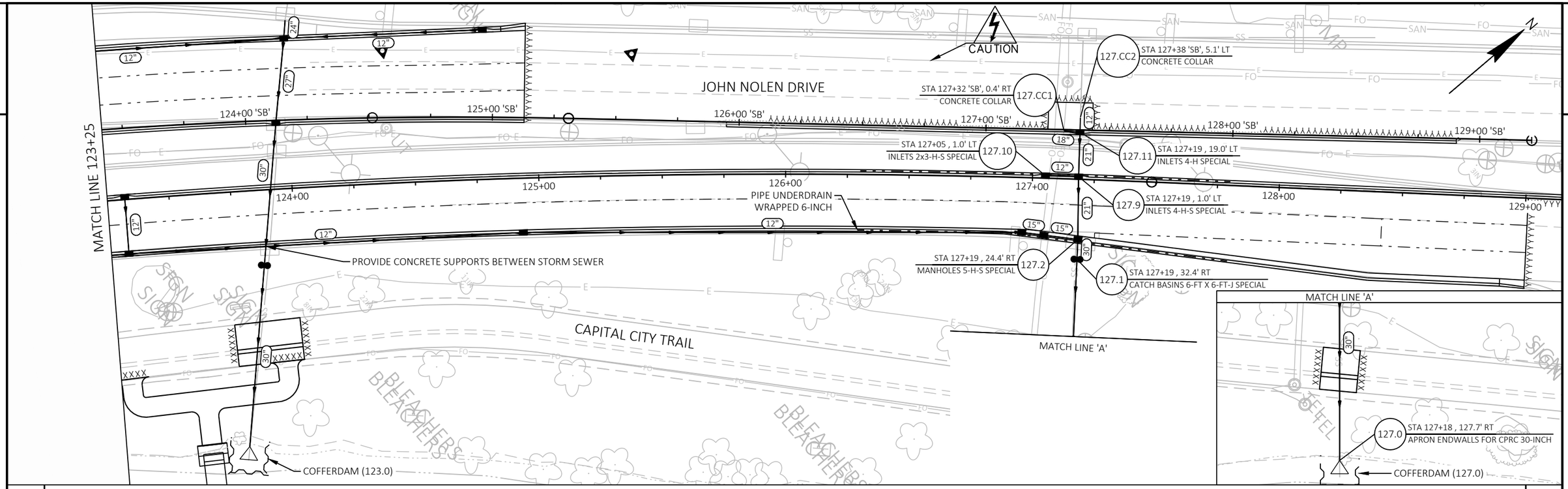


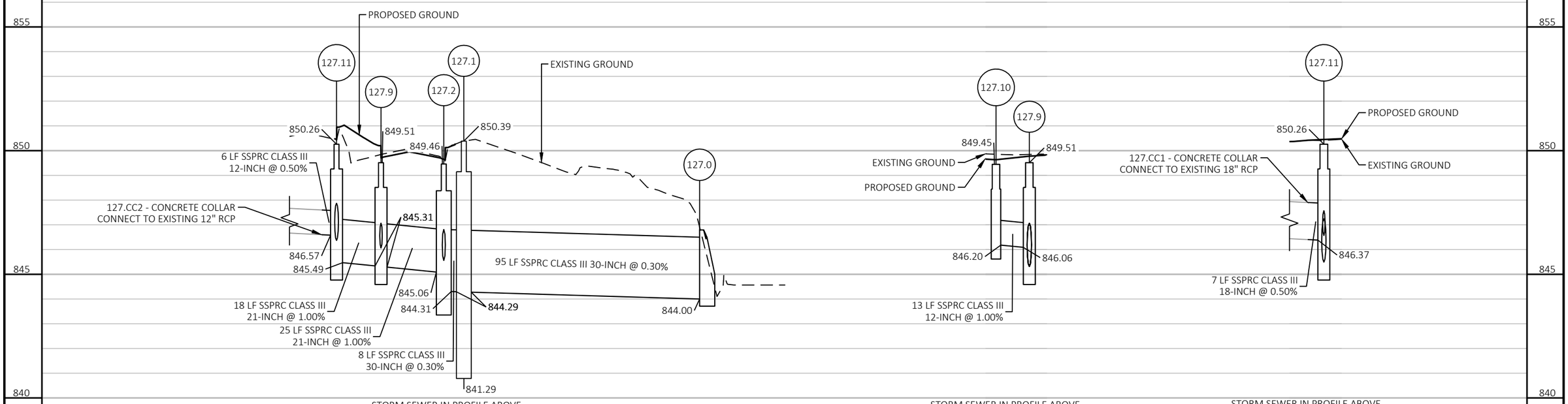
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 252	E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 253	E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN	SHEET 254	E

ATC ULO DATA OBTAINED DURING DESIGN

STA 10+22 'NSW', 25.0' LT
INLETS 2x3-H SPECIAL
10.4

STA 10+23 'NSW', 1.0' RT
INLETS 4-H SPECIAL
10.3

STA 10+18 'NSE', 1.0' LT
INLETS 4-H SPECIAL
10.2

STA 10+17 'NSE', 25.6' RT
INLETS 2x3-H SPECIAL
10.1

STA 10+15 'NSE', 68.5' RT
APRON ENDWALLS FOR CPRC 12-INCH
10.0

COFFERDAM (10.0)

LAKE MONONA BAY

NORTH SHORE DRIVE

11+00 'NSW'
12+00 'NSW'
13+00 'NSW'
14+00 'NSW'
11+00 'NSE'
12+00 'NSE'
13+00 'NSE'
14+00 'NSE'

JOHN NOLEN DRIVE

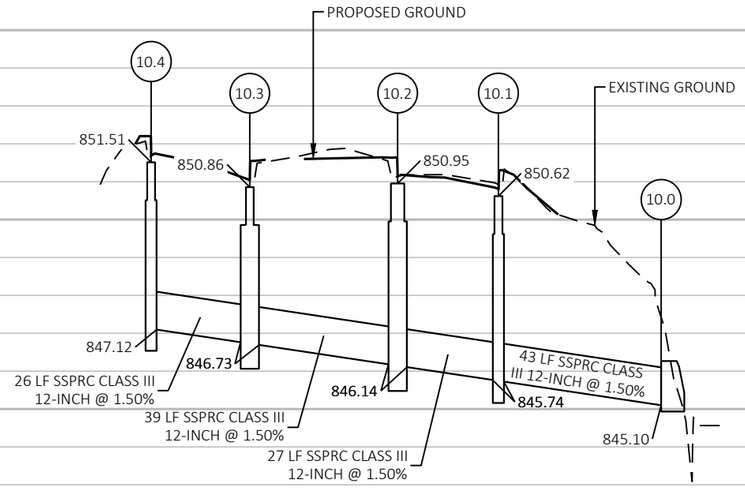
CAUTION

108742
845.997
RP

108743
844.664
RP

115+00 SB
115+00
116+00 SB
116+00
117+00 SB

N



STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2B

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN - NORTH SHORE DRIVE	SHEET 255	E

ATC ULO DATA OBTAINED DURING DESIGN

2

2

STA 11+74 'NSW', 22.0' LT
INLETS 2x3-H SPECIAL
11.3

STA 11+76 'NSW', 1.0' RT
INLETS 2x3-H SPECIAL
11.2

STA 11+40 'NSE', 1.0' LT
INLETS 2x3-H SPECIAL
11.1

STA 11+40 'NSE', 34.3' RT
INLETS 2x3-H SPECIAL
11.0

STA 13+74 'NSW', 36.2' LT
INLETS 4-H SPECIAL
11.6

STA 13+59 'NSW', 1.0' RT
INLETS 4-H SPECIAL
11.5

STA 12+79 'NSE', 22.0' RT
INLETS 4-H SPECIAL
11.4

CAUTION

11+00 'NSW'
12+00 'NSW'
13+00 'NSW'
14+00 'NSW'
11+00 'NSE'
12+00 'NSE'
13+00 'NSE'
14+00 'NSE'

NORTH SHORE DRIVE
JOHN NOLEN DRIVE

108742
845.997
RP

108743
844.664
RP

115+00 SB
116+00 SB
117+00 SB
115+00
116+00

COFFERDAM (10.0)
LAKE MONONA BAY

N

PROPOSED GROUND
EXISTING GROUND

11.3 11.2 11.1 11.0 11.7

852.26
851.86
851.90
851.24

SADDLE PROPOSED INLETS ONTO
EXISTING 3'X6' BOX CULVERT

846.66
846.55
846.46
846.28

EXISITING STORM SEWER BOX 3-FT X 6-FT @ 0.50%

STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2B

PROPOSED GROUND
EXISTING GROUND

11.0 11.4 11.5 11.6

851.24
853.11
853.17
853.08

133 LF SSPRC CLASS III 12-INCH @ 0.75%
54 LF SSPRC CLASS III
12-INCH @ 0.75%
40 LF SSPRC CLASS III
12-INCH @ 0.75%

847.25
848.25
848.65
848.95

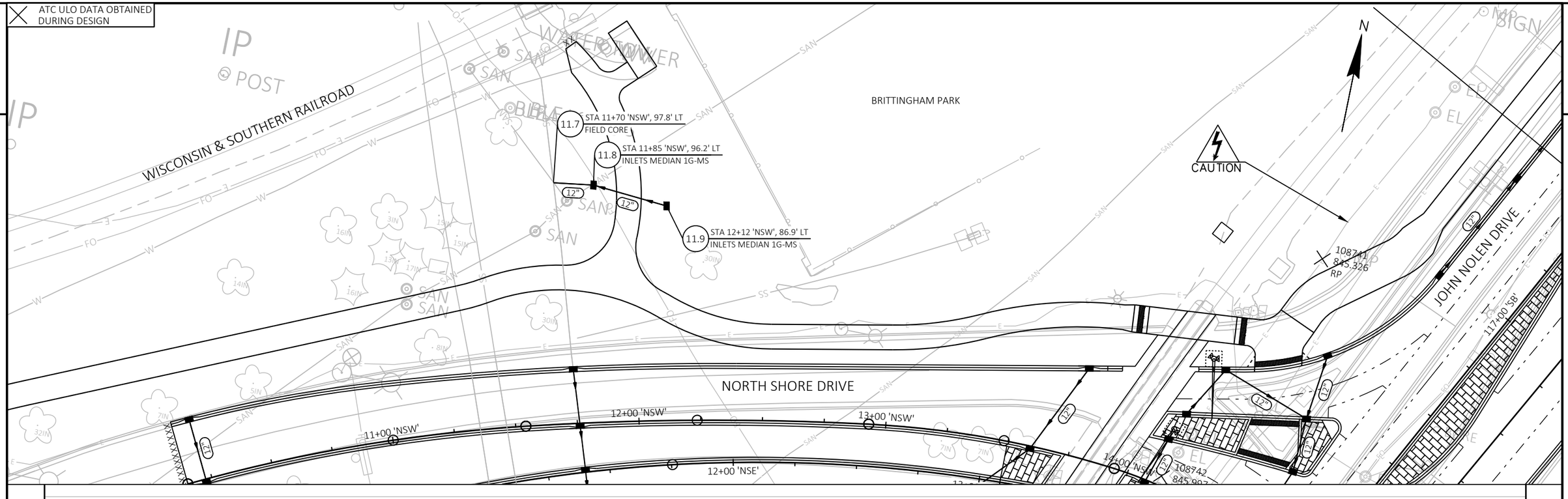
STORM SEWER IN PROFILE ABOVE
IS TO BE COMPLETED IN STAGE 2B

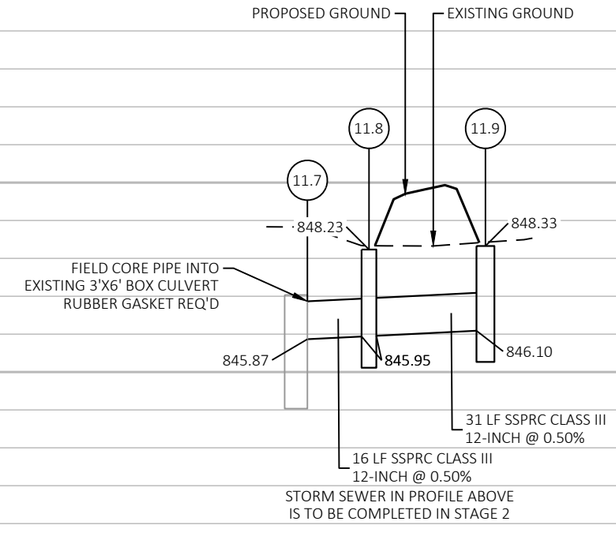
855
850
845
840

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN - NORTH SHORE DRIVE	SHEET 256	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 11.1-NSD
PLOT DATE : 5/23/2025 11:34 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

ATC ULO DATA OBTAINED DURING DESIGN





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN - NORTH SHORE DRIVE	SHEET 257 E

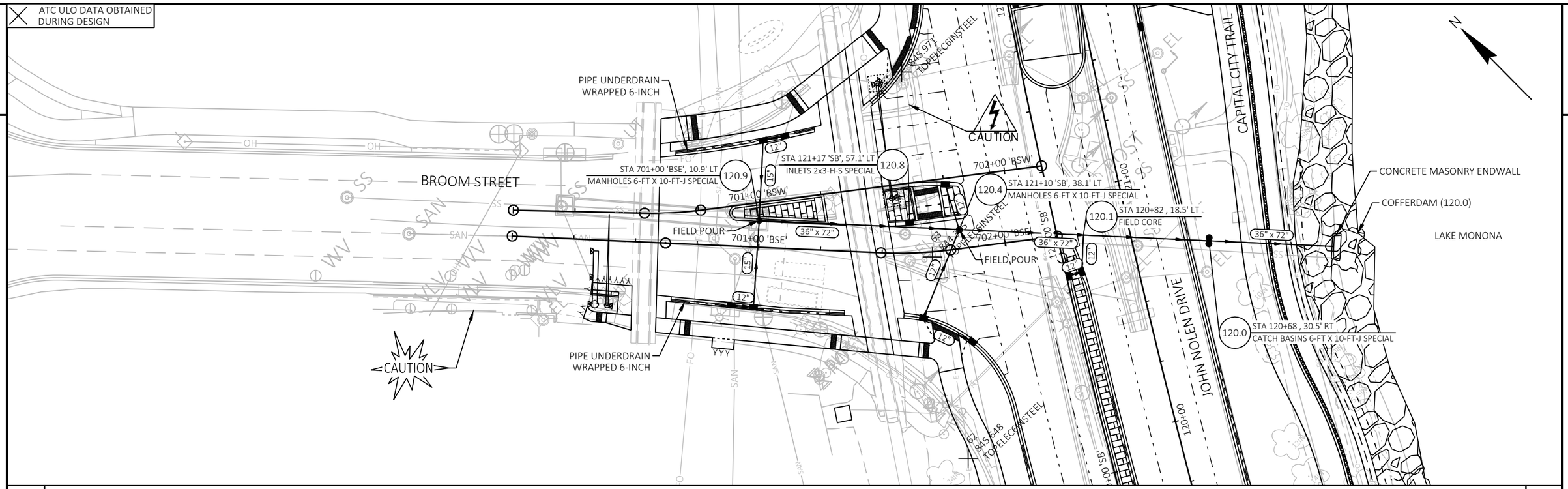
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 11.2-NSD

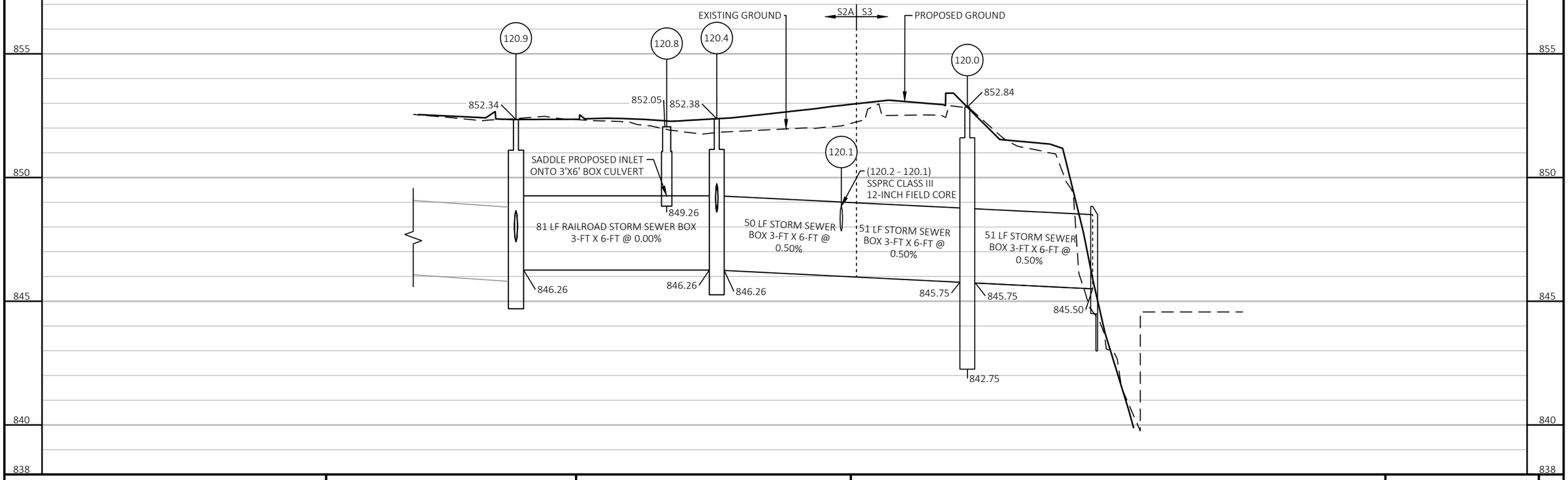
PLOT DATE : 5/23/2025 11:34 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ATC ULO DATA OBTAINED DURING DESIGN

2

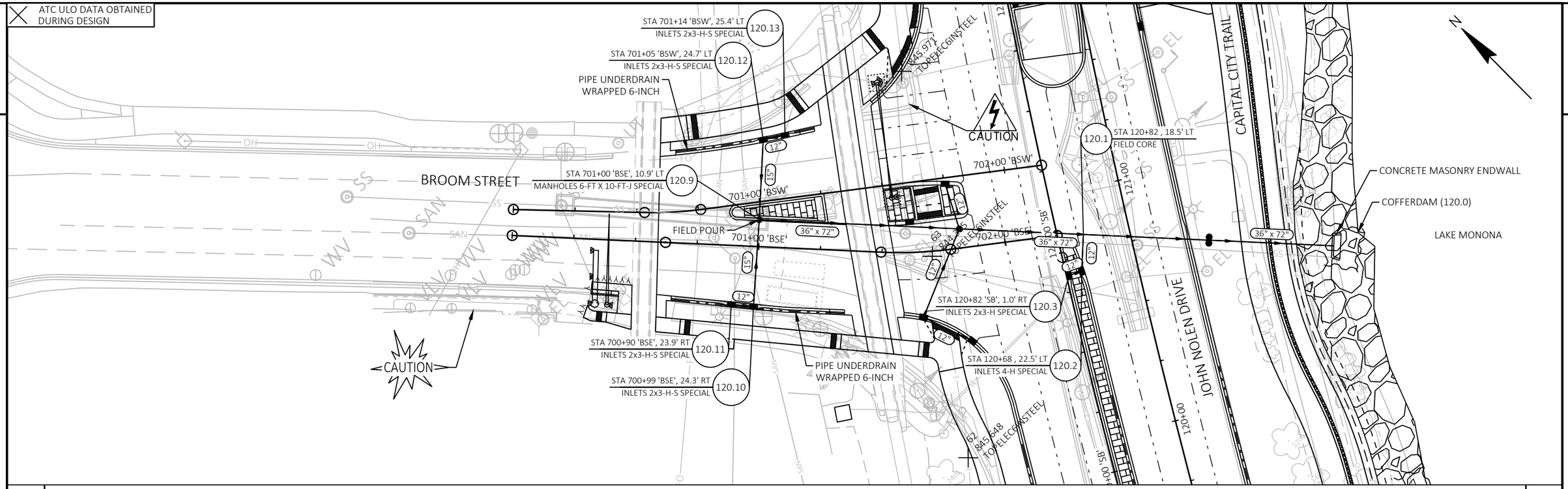


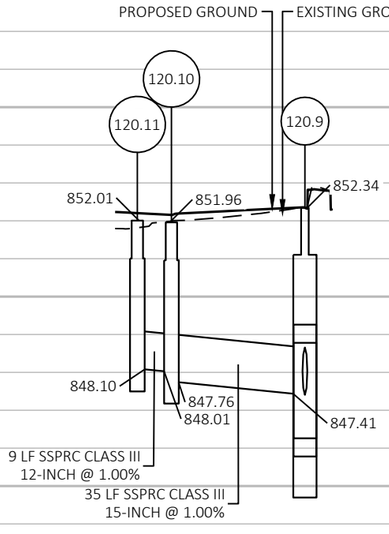


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN - BROOM STREET	SHEET 258	E

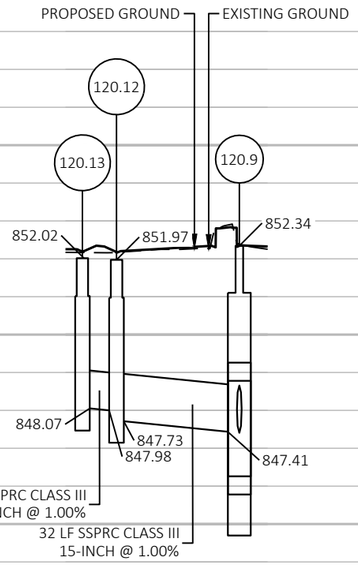
ATC ULO DATA OBTAINED DURING DESIGN

2

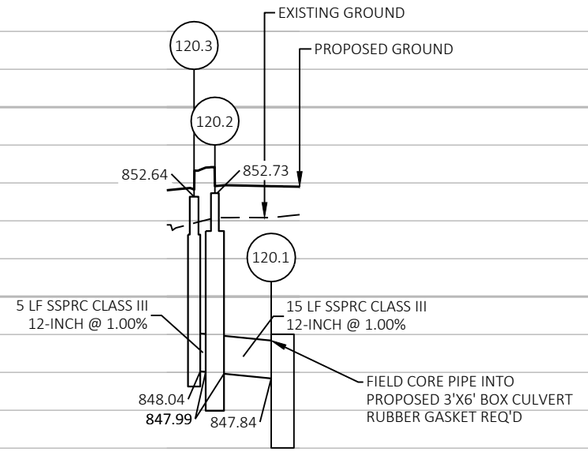




STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2A



STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2A



STORM SEWER IN PROFILE ABOVE IS TO BE COMPLETED IN STAGE 2A

855
850
845
840

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	STORM SEWER PLAN - BROOM STREET	SHEET 259	E

2

2

WISCONSIN & SOUTHERN RAILROAD

78+00 'SB'
79+00 'SB'
80+00 'SB'
81+00 'SB'
82+00 'SB'
83+00 'SB'
78+00 'NB'
79+00 'NB'
80+00 'NB'
81+00 'NB'
82+00 'NB'
83+00 'NB'

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

EXISTING STORM SEWER TO
REMAIN DURING STAGE 1

OLIN PARK

LAKE MONONA

MATCH LINE 83+25 'NB'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 260	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 10:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

2

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE 83+25 'NB'

MATCH LINE 88+50 'NB'

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

84+00 'SB' 85+00 'SB' 86+00 'SB' 87+00 'SB' 88+00 'SB'

84+00 'NB' 85+00 'NB' 86+00 'NB' 87+00 'NB' 88+00 'NB'

CONCRETE COLLAR FOR PIPE REQ'D

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

COFFERDAM (83+80 RT)

76 LF CULVERT PIPE TEMPORARY 24-INCH
START INVERT: 844.07'
END INVERT: 843.86'
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 261	E

2

2

LAKE MONONA BAY

N

WISCONSIN & SOUTHERN RAILROAD

PIER

PIER

JOHN NOLEN DRIVE

89+00 'SB'

90+00 'SB'

91+00 'SB'

92+00 'SB'

93+00

89+00 'NB'

90+00 'NB'

91+00 'NB'

92+00 'NB'

93+00

MATCH LINE 88+50 'NB'

MATCH LINE 93+00 'NB'

CAPITAL CITY TRAIL

STORM SEWER TO REMAIN
TO DURING STAGE 1

STORM SEWER TO REMAIN
TO DURING STAGE 1

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 262	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 03

PLOT DATE : 5/23/2025 10:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

LAKE MONONA BAY

N

WISCONSIN & SOUTHERN RAILROAD

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

MATCH LINE 93+00 'NB'

94+00 'SB'

95+00 'SB'

96+00 'SB'

97+00 'SB'

94+00 'NB'

95+00 'NB'

96+00 'NB'

97+00 'NB'

MATCH LINE 97+25 'NB'

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

COFFERDAM (94+47 RT)

72 LF CULVERT PIPE TEMPORARY 15-INCH
START INVERT: 845.60'
END INVERT: 844.85'
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 263	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 04

PLOT DATE : 6/20/2025 10:06 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
98+00 'NB'
99+00 'NB'
100+00 'NB'
101+00 'NB'
102+00 'NB'

MATCH LINE 97+25 'NB'

MATCH LINE 103+00 'NB'

CAPITAL CITY TRAIL

EXISTING CULVERT TO REMAIN DURING STAGE 1

78 LF CULVERT PIPE TEMPORARY 18-INCH
START INVERT: 845.40'
END INVERT: 844.60'
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

COFFERDAM (99+75 RT)

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 264	E

2

2

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

MATCH LINE 103+00 'NB'

103+00 'SB'
104+00 'SB'
105+00 'SB'
106+00 'SB'
107+00 'SB'
108+00 'SB'

103+00 'NB'
104+00 'NB'
105+00 'NB'
106+00 'NB'
107+00 'NB'
108+00 'NB'

MATCH LINE 108+00 'NB'

CAPITAL CITY TRAIL

BOB

TEL

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 265	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 06

PLOT DATE : 5/23/2025 10:37 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

2

LAKE MONONA BAY

N

CAUTION

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

109+00 'NB'

110+00 'NB'

111+00 'NB'

112+00 'NB'

MATCH LINE 108+00 'NB'

MATCH LINE 113+00 'NB'

CAPITAL CITY TRAIL

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 266	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 07

PLOT DATE : 5/23/2025 10:38 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

2

BRITTINGHAM PARK

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

13+00 'NSW'

13+00 'NSE'

14+00 'NSW'

14+00 'NSE'

CAUTION

COVER PLATE TEMPORARY REQ'D (EXISTING STRUCTURES TO BE REMOVED IN FUTURE PHASES - REFER TO REMOVALS PLAN)

COVER PLATE TEMPORARY REQ'D (EXISTING STRUCTURES TO BE REMOVED IN FUTURE PHASES - REFER TO REMOVALS PLAN)

MATCH LINE 113+00 'NB'

114+00 'SB'

115+00 'SB'

116+00 'SB'

117+00 'SB'

114+00 'NB'

115+00 'NB'

116+00 'NB'

117+00 'NB'

MATCH LINE 117+50 'NB'

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

COFFERDAM (114+70 RT)

84 LF CULVERT PIPE TEMPORARY 18-INCH
START INVERT: 846.24'
END INVERT: 844.85'
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 267	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 08

PLOT DATE : 6/20/2025 10:11 AM PLOT BY : JACK HAFEMANN PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

BRITTINGHAM PARK

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

CAUTION

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

COVER PLATE TEMPORARY REQ'D (EXISTING STRUCTURES TO BE REMOVED IN FUTURE PHASES - REFER TO REMOVALS PLAN)

COVER PLATE TEMPORARY REQ'D (EXISTING STRUCTURES TO BE REMOVED IN FUTURE PHASES - REFER TO REMOVALS PLAN)

JOHN NOLEN DRIVE

118+00 'SB'
119+00 'SB'
120+00 'SB'
121+00 'SB'
122+00 'SB'
123+00 'SB'

118+00 'NB'
119+00 'NB'
120+00 'NB'
121+00 'NB'
122+00 'NB'
123+00 'NB'

701+00 'BSE'
701+00 'BSW'
702+00 'BSE'
702+00 'BSW'

COVER PLATES TEMPORARY REQ'D (INSTALL PROPOSED STORM SEWER STRUCTURES. PLACE CASTINGS IN FUTURE PHASES)

CAPITAL CITY TRAIL

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

COFFERDAM (119.0)

EXISTING STORM SEWER TO REMAIN DURING STAGE 1

LAKE MONONA

MATCH LINE 117+50 'NB'

MATCH LINE 123+25 'NB'

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 268	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 09

PLOT DATE : 5/23/2025 10:38 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

N

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

CONNECT TO EXISTING
STORM SEWER

COVER PLATES TEMPORARY REQ'D
(INSTALL PROPOSED STORM SEWER STRUCTURES.
PLACE CASTINGS IN FUTURE PHASES)

124+00 'SB'
125+00 'SB'
126+00 'SB'
127+00 'SB'
128+00 'SB'
129+00 'SB'

124+00 'NB'
125+00 'NB'
126+00 'NB'
127+00 'NB'
128+00 'NB'
129+00 'NB'

INSTALL INLET COVERS TYPE S
(INSTALL PROPOSED STORM SEWER STRUCTURES.
PLACE FINAL CASTINGS IN FUTURE PHASES)

MATCH LINE 123+25 'NB'

COVER PIPE END WITH 3/4-INCH
PLYWOOD OR AS ENGINEER
DIRECTS AND BURY. COST OF
COVERING PIPE END IS
INCIDENTAL TO PIPE BID ITEM.

CAPITAL CITY TRAIL

BLEACHERS

BLEACHERS

COFFERDAM (123.0)

COFFERDAM (127.0)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 1	SHEET 269	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022502-SS.DWG
LAYOUT NAME - 10
PLOT DATE : 5/23/2025 10:38 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

WISCONSIN & SOUTHERN RAILROAD

78+00 'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

82+00 'SB'

83+00 'SB'

78+00 'NB'

79+00 'NB'

80+00 'NB'

81+00 'NB'

82+00 'NB'

83+00 'NB'

JOHN NOLEN DRIVE

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

MATCH LINE 83+25 'NB'

CAPITAL CITY TRAIL

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

OLIN PARK

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 270	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 10:40 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

2

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

MATCH LINE 83+25 'NB'

84+00 'SB' 85+00 'SB' 86+00 'SB' 87+00 'SB' 88+00 'SB'

84+00 'NB' 85+00 'NB' 86+00 'NB' 87+00 'NB' 88+00 'NB'

JOHN NOLEN DRIVE

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

MATCH LINE 88+50 'NB'

CAPITAL CITY TRAIL

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 271	E

2

2

LAKE MONONA BAY

N

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

WISCONSIN & SOUTHERN RAILROAD

PIER

PIER

JOHN NOLEN DRIVE

MATCH LINE 88+50 'NB'

89+00 'SB'

90+00 'SB'

91+00 'SB'

92+00 'SB'

93+00

89+00 'NB'

90+00 'NB'

91+00 'NB'

92+00 'NB'

93+00

MATCH LINE 93+00 'NB'

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

CAPITAL CITY TRAIL

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

LAKE MONONA

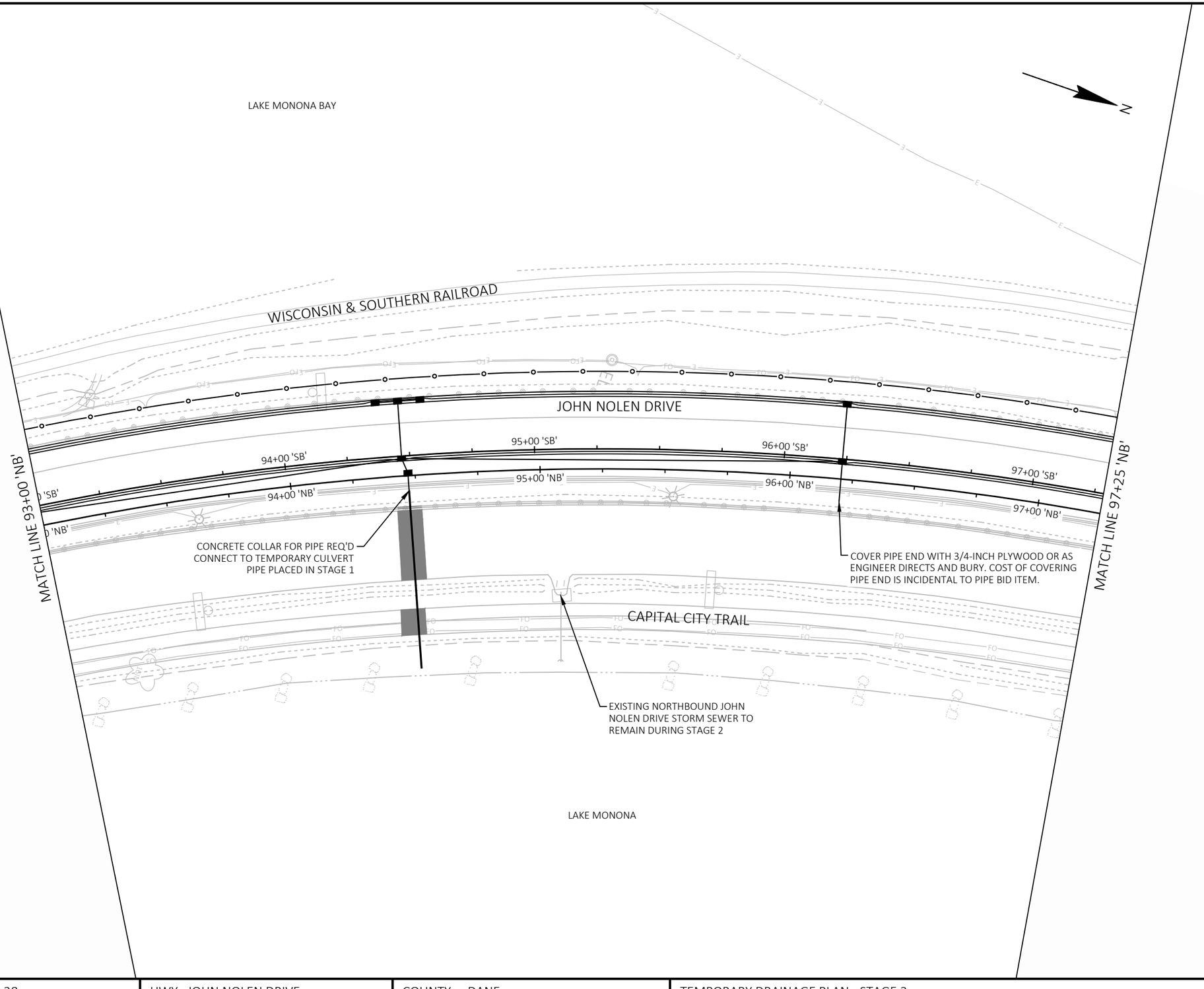
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 272	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 03

PLOT DATE : 5/23/2025 10:40 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 273	E

2

N

LAKE MONONA BAY

6 LF CULVERT PIPE TEMPORARY 15-INCH
START INVERT: 845.43'
END INVERT: 845.07' (CONNECT TO EXISTING 15" CMCP)
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
103+00 'SB'
98+00 'NB'
99+00 'NB'
100+00 'NB'
101+00 'NB'
102+00 'NB'
103+00 'NB'

MATCH LINE 97+25 'NB'

MATCH LINE 103+00 'NB'

CONCRETE COLLAR FOR PIPE REQ'D

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

CONCRETE COLLAR FOR PIPE REQ'D CONNECT TO TEMPORARY CULVERT PIPE PLACED IN STAGE 1

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

CAPITAL CITY TRAIL

NORTHBOUND PORTION OF EXISTING CULVERT TO REMAIN DURING STAGE 2

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 274	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 05
PLOT DATE : 6/20/2025 10:17 AM
PLOT BY : JACK HAFEMANN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

MATCH LINE 103+00 'NB'

MATCH LINE 108+00 'NB'

104+00 'SB'

105+00 'SB'

106+00 'SB'

107+00 'SB'

104+00 'NB'

105+00 'NB'

106+00 'NB'

107+00 'NB'

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

COVER PIPE END WITH 3/4-INCH PLYWOOD OR AS ENGINEER DIRECTS AND BURY. COST OF COVERING PIPE END IS INCIDENTAL TO PIPE BID ITEM.

CAPITAL CITY TRAIL

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 275	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 06

PLOT DATE : 5/23/2025 10:41 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

N

LAKE MONONA BAY

CAUTION

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

109+00 'NB'

110+00 'NB'

111+00 'NB'

112+00 'NB'

MATCH LINE 108+00 'NB'

MATCH LINE 113+00 'NB'

CONCRETE COLLAR FOR PIPE REQ'D

CONCRETE COLLAR FOR PIPE REQ'D

CAPITAL CITY TRAIL

36 LF PIPE UNDERDRAIN UNPERFORATED 6-INCH START INVERT: 850.81' SLOPE TO DRAIN (SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

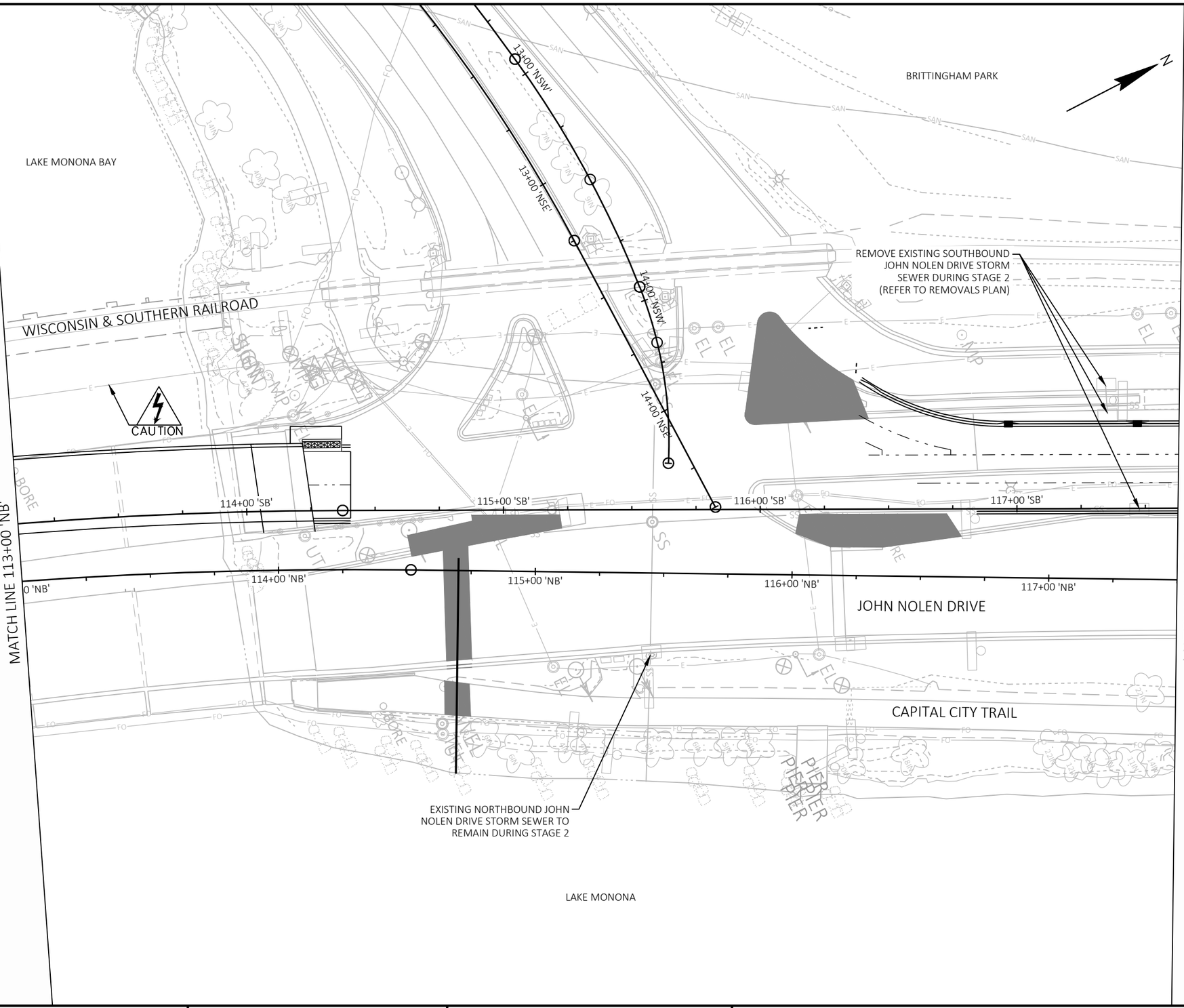
EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

36 LF PIPE UNDERDRAIN UNPERFORATED 6-INCH START INVERT: 849.47' SLOPE TO DRAIN (SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 276	E

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 277	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 08
PLOT DATE : 5/23/2025 10:41 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

BRITTINGHAM PARK

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

CAUTION

701+00 'BSE'

701+00 'BSW'

702+00 'BSE'

702+00 'BSW'

118+00 'SB'

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

JOHN NOLEN DRIVE

118+00 'NB'

119+00 'NB'

120+00 'NB'

121+00 'NB'

122+00 'NB'

123+00 'NB'

MATCH LINE 117+50 'NB'

MATCH LINE 123+25 'NB'

CAPITAL CITY TRAIL

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

EXISTING NORTHBOUND JOHN NOLEN DRIVE STORM SEWER TO REMAIN DURING STAGE 2

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 278	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 09

PLOT DATE : 5/23/2025 10:41 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

REMOVE EXISTING SOUTHBOUND JOHN NOLEN DRIVE STORM SEWER DURING STAGE 2 (REFER TO REMOVALS PLAN)

WISCONSIN & SOUTHERN RAILROAD

CAUTION

JOHN NOLEN DRIVE

124+00 'SB'

125+00 'SB'

126+00 'SB'

127+00 'SB'

128+00 'SB'

129+00 'SB'

124+00 'NB'

125+00 'NB'

126+00 'NB'

127+00 'NB'

128+00 'NB'

129+00 'NB'

MATCH LINE 123+25 'NB'

CAPITAL CITY TRAIL

BLEACHERS

BLEACHERS

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2	SHEET 279	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022503-SS.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 10:41 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

BRITTINGHAM PARK

WISCONSIN & SOUTHERN RAILROAD

REMOVE EXISTING BROOM STREET
STORM SEWER DURING STAGE 2A
(REFER TO REMOVALS PLAN)

WISCONSIN & SOUTHERN RAILROAD

CAUTION

701+40 'BSE'

701+00 'BSW'

702+00 'BSE'

702+00 'BSW'

118+00 'SB'

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

JOHN NOLEN DRIVE

CONCRETE COLLAR
FOR PIPE REQ'D

118+00 'NB'

119+00 'NB'

120+00 'NB'

121+00 'NB'

122+00 'NB'

123+00 'NB'

MATCH LINE 117+50 'NB'

MATCH LINE 123+25 'NB'

CAPITAL CITY TRAIL

EXISTING NORTHBOUND STORM
SEWER TO REMAIN DURING STAGE 2A

12 LF SSPRCHE CLASS HE-III 29x45-INCH
START INVERT: 845.99'
END INVERT: 845.16' (CONNECT TO EXISTING 29X45" HERCP)
(SEE MISCELLANEOUS QUANTITES FOR ALL PROFILE DATA)

EXISTING NORTHBOUND STORM
SEWER TO REMAIN DURING STAGE 2A

LAKE MONONA

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY DRAINAGE PLAN - STAGE 2A DETAILS	SHEET 280	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\022504-SS.DWG
LAYOUT NAME - 09

PLOT DATE : 5/23/2025 10:43 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

WSOR

JOHN NOLEN DRIVE

72+00 'SB' 73+00 'SB' 74+00 'SB' 75+00 'SB' 76+00 'SB'

71+00 72+00 73+00 74+00 75+00 76+00

1.5IN 5IN 4IN

72+00 'CT' 73+00 'CT' 74+00 'CT' 75+00 'CT' 76+00 'CT'

71+00 'CT' 70+00 'CT'

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

R/W

MATCH LINE 76+25

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 281	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

WSOR

HIGHWAY EASEMENT

R/W

JOHN NOLEN DRIVE

77+00 'SB'
78+00 'SB'
79+00 'SB'
80+00 'SB'
81+00 'SB'

3IN
2IN
4IN
2IN
4IN
2IN
2IN
2IN
3IN

77+00
78+00
79+00
80+00
81+00

MATCH LINE 76+25

MATCH LINE 81+55

PAVEMENT SUPPORT SYSTEM

78+00 'CT'
CAPITAL CITY TRAIL
77+00 'CT'
79+00 'CT'
80+00 'CT'
81+00 'CT'
R/W

SLOPE INTERCEPTS (TYP.)

22IN
22IN
18IN
19IN
24IN
2, 24IN
11IN
17IN
17IN
2, 12IN
26IN

DO NOT CLEAR AND GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3 (TYP.)

SHORELINE REVETMENT STONE (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 282	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 02

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

WSOR

SLOPE INTERCEPTS (TYP.)

HIGHWAY EASEMENT

JOHN NOLEN DRIVE

MATCH LINE 81+55

MATCH LINE 86+85

82+00 'SB' 83+00 'SB' 84+00 'SB' 85+00 'SB' 86+00 'SB'

82+00 83+00 84+00 85+00 86+00

2IN

PAVEMENT SUPPORT SYSTEM

PAVEMENT SUPPORT SYSTEM

BIOFILTER BASIN

81+00 'CT' 82+00 'CT' 83+00 'CT' 84+00 'CT' 85+00 'CT' 86+00 'CT' 87+00 'CT'

3-1 3-2 3-3 3-4 3-5 3-6 3-7 3-8 3-9 3-10 3-11 3-12 3-13 3-14 3-15 3-16 3-17 3-18 3-19 3-20

CAPITAL CITY TRAIL

15IN 17IN 2, 10IN 2, 10IN 18IN 2, 15IN

DO NOT CLEAR AND GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3 (TYP.)

SHORELINE REVETMENT STONE (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 283	E

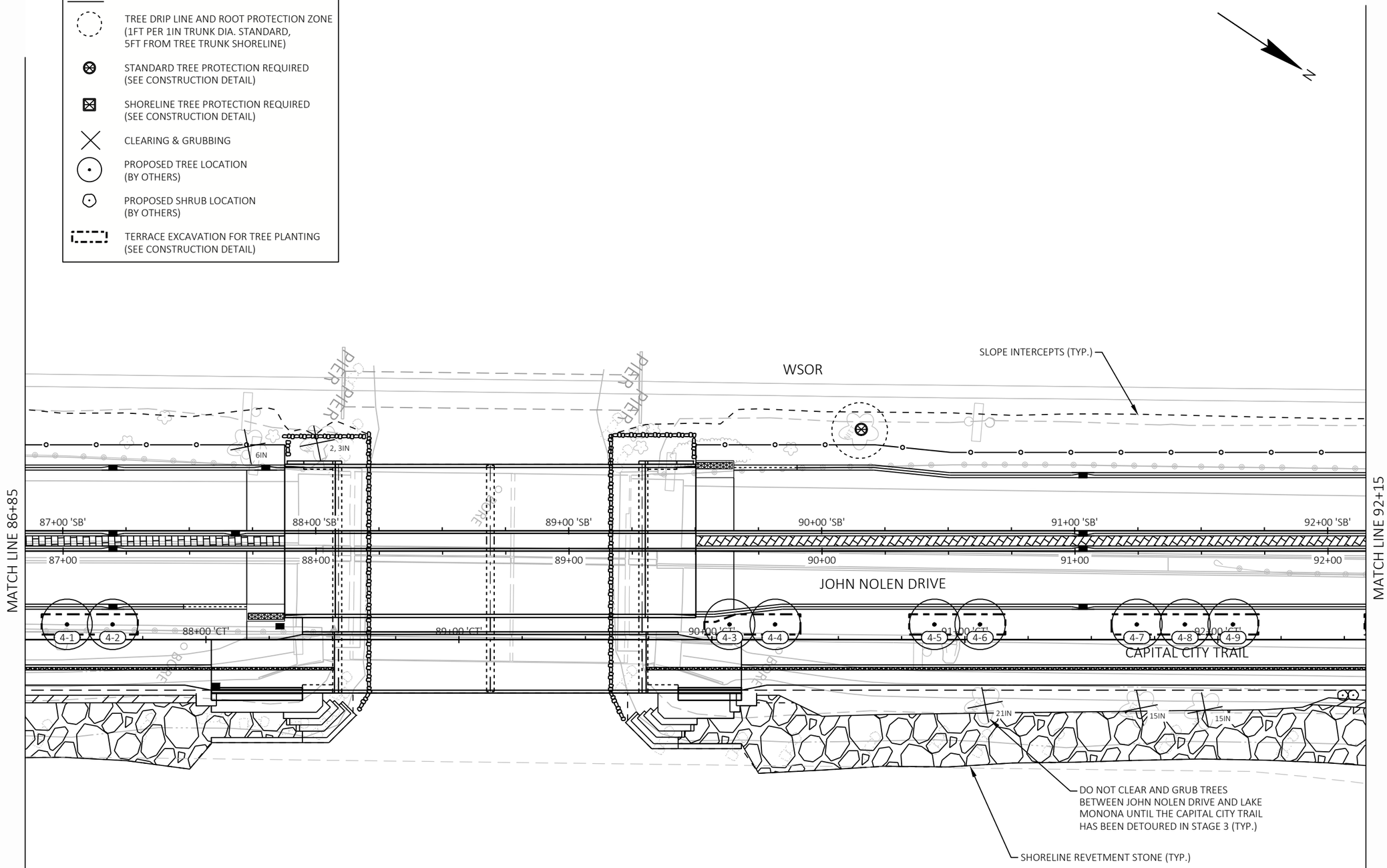
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 03

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 284	E

2

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

SLOPE INTERCEPTS (TYP.)

WSOR

JOHN NOLEN DRIVE

CG24D

93+00 'SB'

94+00 'SB'

95+00 'SB'

96+00 'SB'

97+00 'SB'

93+00

94+00

95+00

96+00

97+00

MATCH LINE 92+15

MATCH LINE 97+45

93+00 'CT'

94+00 'CT'

95+00 'CT'

96+00 'CT'

97+00 'CT'

CAPITAL CITY TRAIL

5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 5-9 5-10 5-11 5-12 5-13 5-14 5-15 5-16 5-17 5-18 5-19 5-20 5-21 5-22 5-23 5-24 5-25 5-26 5-27

15IN

16IN

DO NOT CLEAR AND GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3 (TYP.)

SHORELINE REVETMENT STONE (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 285	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 05

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

WSOR

SLOPE INTERCEPTS (TYP.)

JOHN NOLEN DRIVE

MATCH LINE 97+45

MATCH LINE 102+75

98+00 'SB'

99+00 'SB'

100+00 'SB'

101+00 'SB'

102+00 'SB'

98+00

99+00

100+00

101+00

102+00

98+00 'CT'

99+00 'CT'

100+00 'CT'

101+00 'CT'

102+00 'CT'

BIOFILTER BASIN

PAVEMENT SUPPORT SYSTEM

CAPITAL CITY TRAIL

6-1 6-2 6-3 6-4 6-5 6-6 6-7 6-8 6-9 6-10 6-11 6-12 6-13 6-14 6-15 6-16 6-17 6-18 6-19 6-20 6-21 6-22 6-23 6-24 6-25 6-26 6-27 6-28 6-29 6-30 6-31

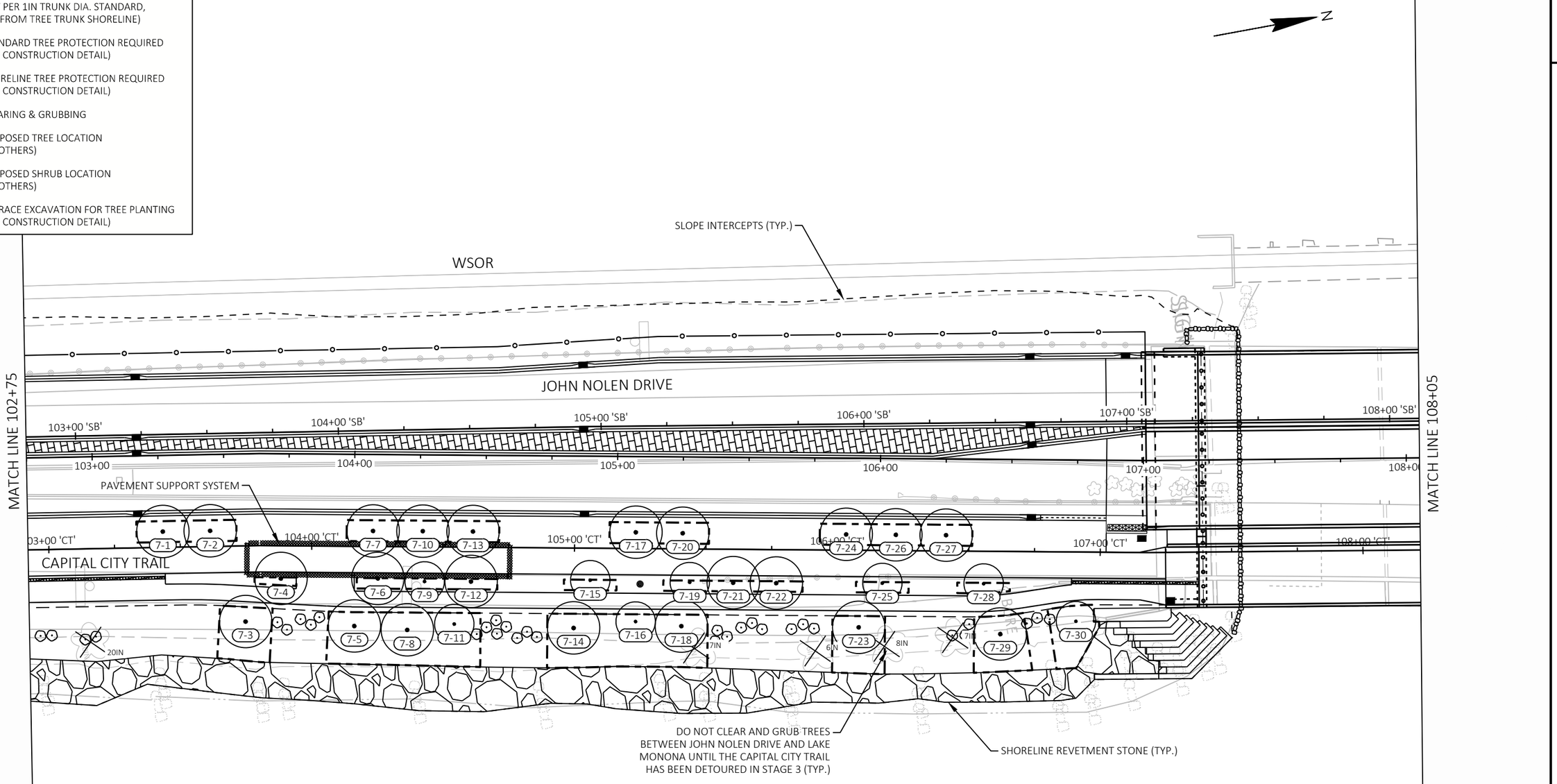
DO NOT CLEAR AND GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3 (TYP.)

SHORELINE REVETMENT STONE (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 286	E

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

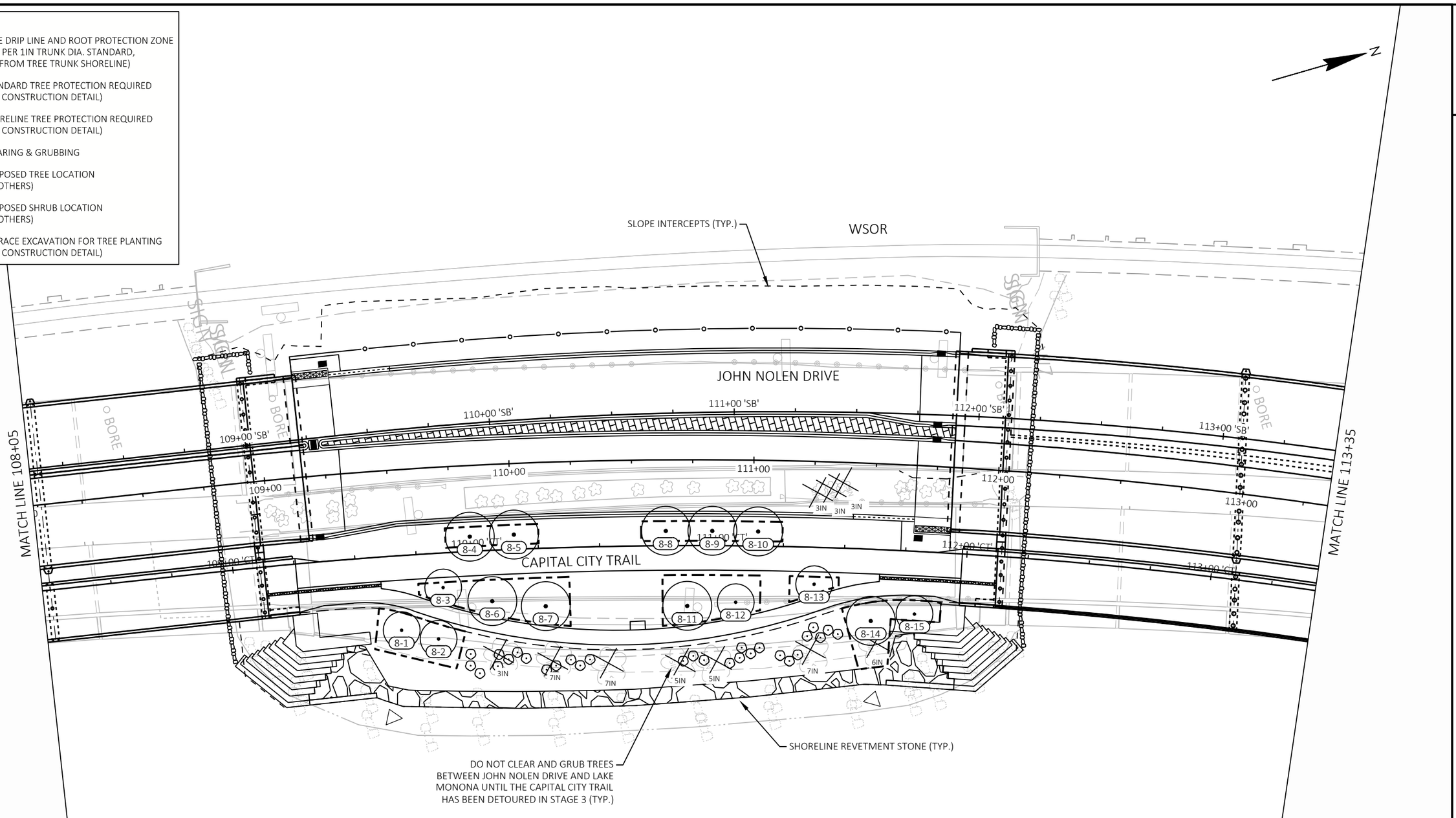


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 287	E

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)



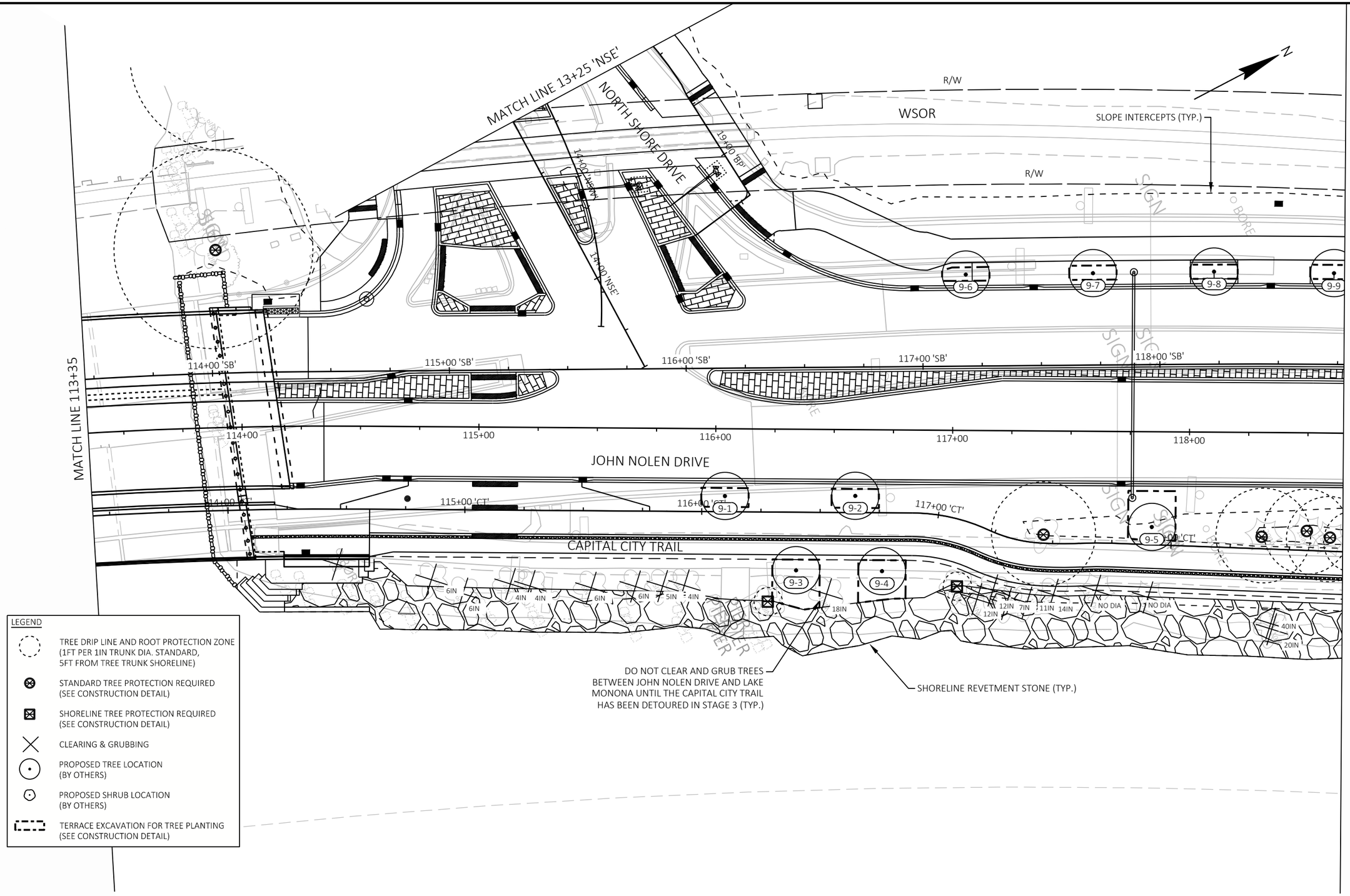
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 288	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 08

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 289	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 09
PLOT DATE : 5/23/2025 3:34 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

R/W

WSOR

10-1

10-2

10-3

10-4

S. BROOM STREET

701+00 'BSF'

701+00 'BSW'

702+00 'BSF'

702+00 'BSW'

HIGHWAY EASEMENT

SLOPE INTERCEPTS (TYP.)

IP

POST

119+00 'SB'

120+00 'SB'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

119+00

120+00

121+00

122+00

123+00

124+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

119+00 'CT'

120+00 'CT'

121+00 'CT'

122+00 'CT'

13IN

10IN

20IN

5, 5IN

3, 6IN

50IN

40IN

30IN

36IN

6IN

24IN

8IN

15IN

15IN

7IN

SIGN

DO NOT CLEAR AND GRUB TREES BETWEEN JOHN NOLEN DRIVE AND LAKE MONONA UNTIL THE CAPITAL CITY TRAIL HAS BEEN DETOURED IN STAGE 3 (TYP.)

SHORELINE REVETMENT STONE (TYP.)

MATCH LINE 118+65

MATCH LINE STA 124+50

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 290	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

R/W

R/W

WSOR

R/W

MATCH LINE STA 124+50

125+00 'SB'

126+00 'SB'

127+00 'SB'

128+00 'SB'

129+00 'SB'

JOHN NOLEN DRIVE

125+00

126+00

127+00

128+00

129+00

130+00

3IN

R/W

CAPITAL CITY TRAIL

SLOPE INTERCEPTS (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 291	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 11

PLOT DATE : 5/23/2025 3:35 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

WSOR

R/W

POST

IP

MATCH LINE 13+00 'BP'

13+00

12+00 'BP'

11+00 'BP'

10+00 'BP'

SLOPE INTERCEPTS (TYP.)

5IN

S BEDFORD STREET

NORTH SHORE DRIVE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 292	E

2

LEGEND

- TREE DRIP LINE AND ROOT PROTECTION ZONE (1FT PER 1IN TRUNK DIA. STANDARD, 5FT FROM TREE TRUNK SHORELINE)
- STANDARD TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- SHORELINE TREE PROTECTION REQUIRED (SEE CONSTRUCTION DETAIL)
- CLEARING & GRUBBING
- PROPOSED TREE LOCATION (BY OTHERS)
- PROPOSED SHRUB LOCATION (BY OTHERS)
- TERRACE EXCAVATION FOR TREE PLANTING (SEE CONSTRUCTION DETAIL)

N

IP

IP

IP POST

WSOR

R/W

SLOPE INTERCEPTS (TYP.)

26+00 'BPB'

16+00 'BP'

17+00 'BP'

18+00 'BP'

15+00 'BP'

14+00 'BP'

'BP'

MATCH LINE 13+00 'BP'

11+00 'NSW'

12+00 'NSW'

13+00 'NSW'

NORTH SHORE DRIVE

12+00 'NSE'

11+00 'NSE'

13+00 'NSE'

MATCH LINE 13+25 'NSE'

18IN

15IN

7IN

9IN

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TREE PLAN	SHEET 293	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 12

PLOT DATE : 5/23/2025 3:35 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
3-1	81+61.4	28.0' RT
3-2	81+79.4	28.0' RT
3-3	81+71.8	46.6' RT
3-4	81+88.4	46.5' RT
3-5	82+20.8	46.8' RT
3-6	82+41.4	28.0' RT
3-7	82+37.7	46.7' RT
3-8	82+54.7	46.6' RT
3-9	82+60.4	28.0' RT
3-10	82+79.4	28.2' RT
3-11	82+82.8	45.9' RT
3-12	84+21.3	29.0' RT
3-13	84+40.3	29.0' RT
3-14	84+59.3	29.0' RT
3-15	84+39.0	57.3' RT
3-16	85+21.3	29.0' RT
3-17	85+39.3	29.0' RT
3-18	86+01.3	29.0' RT
3-19	86+20.3	29.0' RT
3-20	86+39.6	29.0' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
4-1	87+01.6	29.0' RT
4-2	87+19.6	29.0' RT
4-3	89+63.5	29.0' RT
4-4	89+81.5	29.0' RT
4-5	90+44.5	29.0' RT
4-6	90+62.5	29.0' RT
4-7	91+24.5	29.0' RT
4-8	91+43.5	29.0' RT
4-9	91+62.5	29.0' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
5-1	92+24.5	29.0' RT
5-2	92+42.7	29.0' RT
5-3	93+06.3	29.0' RT
5-4	93+25.8	29.0' RT
5-5	93+45.3	29.0' RT
5-6	93+47.9	48.6' RT
5-7	94+09.0	29.0' RT
5-8	94+27.5	29.0' RT
5-9	94+26.2	49.7' RT
5-10	94+43.5	50.3' RT
5-11	94+91.1	29.0' RT
5-12	95+10.6	29.0' RT
5-13	95+30.1	29.0' RT
5-14	95+00.5	48.9' RT
5-15	95+21.1	48.9' RT
5-16	95+40.0	48.3' RT
5-17	95+93.8	29.0' RT
5-18	96+12.3	29.0' RT
5-19	96+15.3	47.7' RT
5-20	96+32.3	47.9' RT
5-21	96+49.0	47.2' RT
5-22	96+75.9	29.0' RT
5-23	96+95.4	29.0' RT
5-24	97+15.0	29.0' RT
5-25	97+02.4	48.4' RT
5-26	97+20.2	48.1' RT
5-27	97+17.8	65.4' RT
5-28	97+40.7	47.8' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
6-1	97+78.6	29.0' RT
6-2	97+97.0	29.0' RT
6-3	97+86.7	63.5' RT
6-4	98+03.2	62.9' RT
6-5	98+11.7	47.4' RT
6-6	98+55.7	47.4' RT
6-7	98+60.7	29.0' RT
6-8	98+74.0	47.8' RT
6-9	98+80.2	29.0' RT
6-10	98+91.3	47.9' RT
6-11	98+99.7	29.0' RT
6-12	99+08.7	62.9' RT
6-13	99+44.8	47.1' RT
6-14	99+61.7	47.4' RT
6-15	99+63.3	29.0' RT
6-16	99+81.8	29.0' RT
6-17	99+80.9	61.0' RT
6-18	100+06.8	59.8' RT
6-19	100+29.3	58.6' RT
6-20	100+45.5	29.0' RT
6-21	100+65.0	29.0' RT
6-22	100+84.4	29.0' RT
6-23	101+31.7	61.2' RT
6-24	101+46.4	29.0' RT
6-25	101+54.1	62.9' RT
6-26	101+64.4	29.0' RT
6-27	101+79.7	60.8' RT
6-28	102+21.1	61.1' RT
6-29	102+26.4	29.0' RT
6-30	102+45.3	29.0' RT
6-31	102+64.4	29.0' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
7-1	103+26.4	29.0' RT
7-2	103+44.4	29.0' RT
7-3	103+57.2	63.8' RT
7-4	103+72.2	47.4' RT
7-5	104+00.3	65.3' RT
7-6	104+09.1	47.1' RT
7-7	104+07.1	29.1' RT
7-8	104+20.4	66.6' RT
7-9	104+26.8	48.1' RT
7-10	104+26.0	29.0' RT
7-11	104+38.3	64.2' RT
7-12	104+44.5	48.0' RT
7-13	104+45.1	29.0' RT
7-14	104+83.7	65.4' RT
7-15	104+89.9	47.2' RT
7-16	105+07.3	62.8' RT
7-17	105+07.1	28.8' RT
7-18	105+24.7	64.4' RT
7-19	105+27.7	47.7' RT
7-20	105+24.9	29.0' RT
7-21	105+44.3	47.7' RT
7-22	105+60.7	47.7' RT
7-23	105+92.2	64.3' RT
7-24	105+87.1	29.0' RT
7-25	106+01.0	47.4' RT
7-26	106+06.0	29.0' RT
7-27	106+25.1	29.0' RT
7-28	106+39.6	47.3' RT
7-29	106+46.0	66.4' RT
7-30	106+74.8	61.4' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
8-1	109+51.6	65.4' RT
8-2	109+67.0	70.0' RT
8-3	109+70.2	49.1' RT
8-4	109+82.5	29.0' RT
8-5	110+00.8	29.0' RT
8-6	109+90.5	55.7' RT
8-7	110+12.9	58.7' RT
8-8	110+63.8	29.0' RT
8-9	110+83.1	29.0' RT
8-10	111+02.1	29.1' RT
8-11	110+72.6	59.6' RT
8-12	110+93.1	58.0' RT
8-13	111+25.9	50.1' RT
8-14	111+50.3	64.2' RT
8-15	111+68.7	60.6' RT

TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
9-1	116+04.1	28.4' RT
9-2	116+59.1	27.9' RT
9-3	116+34.3	59.5' RT
9-4	116+70.6	59.6' RT
9-5	117+84.3	40.2' RT
9-6	117+05.0	65.8' LT
9-7	117+58.7	66.8' LT
9-8	118+09.9	67.8' LT
9-9	118+60.3	67.5' LT

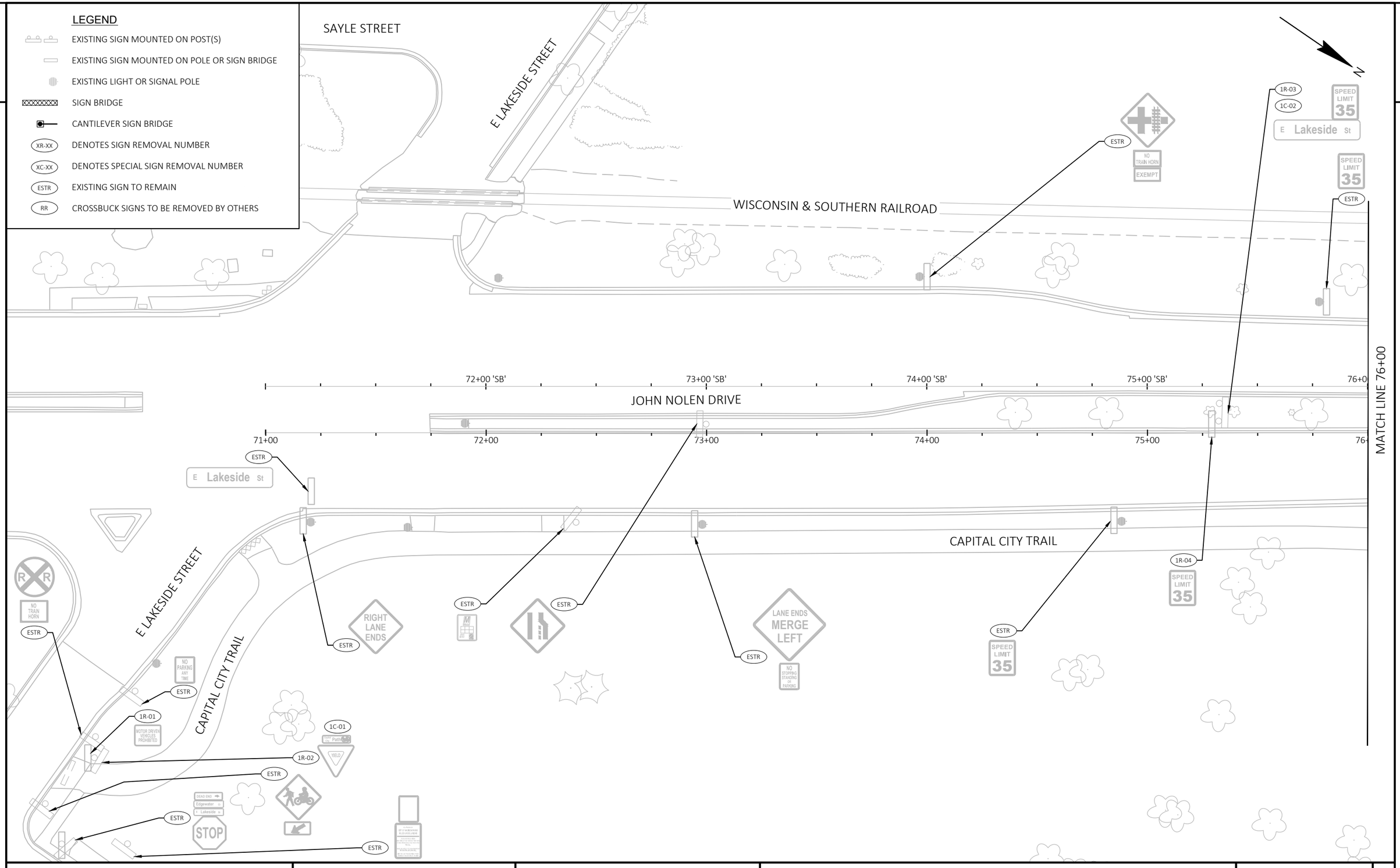
TREE BY OTHERS LOCATION INFORMATION
FOR TERRACE EXCAVATION
FOR TREE PLANTING ONLY

POINT NUMBER	STATION	OFFSET
10-1	119+12.2	68.2' LT
10-2	119+67.1	68.1' LT
10-3	120+38.2	31.1' RT
10-4	121+19.0	38.4' RT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS



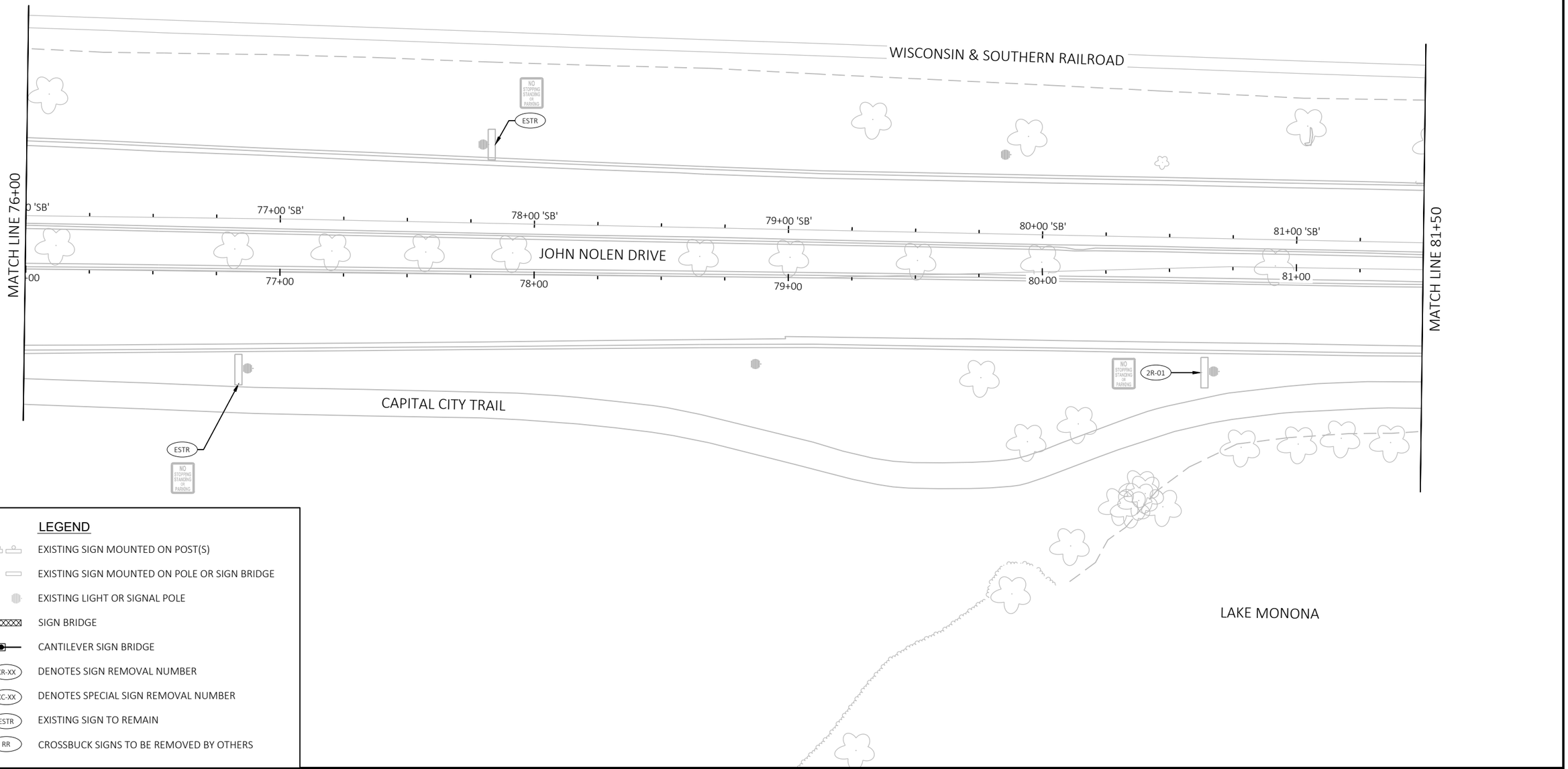
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 295	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS - EXIST.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 8:32 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 296	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS - EXIST.DWG
LAYOUT NAME - 02
PLOT DATE : 5/23/2025 8:32 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

LAKE MONONA BAY

NO STOPPING STANDING OR PARKING
3R-01

SPEED LIMIT 35
3R-05

SPEED LIMIT 35
3R-06

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

MATCH LINE 81+50

82+00 'SB' 83+00 'SB' 84+00 'SB' 85+00 'SB' 86+00 'SB' 87+0

82+00 83+00 84+00 85+00 86+00 87-

MATCH LINE 87+00

CAPITAL CITY TRAIL

3R-02
NO STOPPING STANDING OR PARKING

3R-03
SPEED LIMIT 35

3R-04
SPEED LIMIT 35

LAKE MONONA

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 297	E

2

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

4R-01

4R-02

MATCH LINE 87+00

88+00 'SB'

89+00 'SB'

90+00 'SB'

91+00 'SB'

92+00 'SB'

88+00

89+00

90+00

91+00

92+00

MATCH LINE 92+00

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

4R-03

4R-04

LAKE MONONA

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 298	E

2

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
93+00
94+00
95+00
96+00
97+00

MATCH LINE 92+00

MATCH LINE 97+50

CAPITAL CITY TRAIL

5R-01

5R-02

5R-03

5R-04

SPEED LIMIT 35

NO STOPPING STANDING OR PARKING

LAKE MONONA

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 299	E

2

2

N

LAKE MONONA BAY

NO STOPPING STANDING OR PARKING

6R-01

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE 97+50

98+00 'SB'

99+00 'SB'

100+00 'SB'

101+00 'SB'

102+00 'SB'

98+00

99+00

100+00

101+00

102+00

JOHN NOLEN DRIVE

MATCH LINE 102+75

CAPITAL CITY TRAIL

6R-02

NO STOPPING STANDING OR PARKING

LAKE MONONA

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 300	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS - EXIST.DWG
LAYOUT NAME - 06

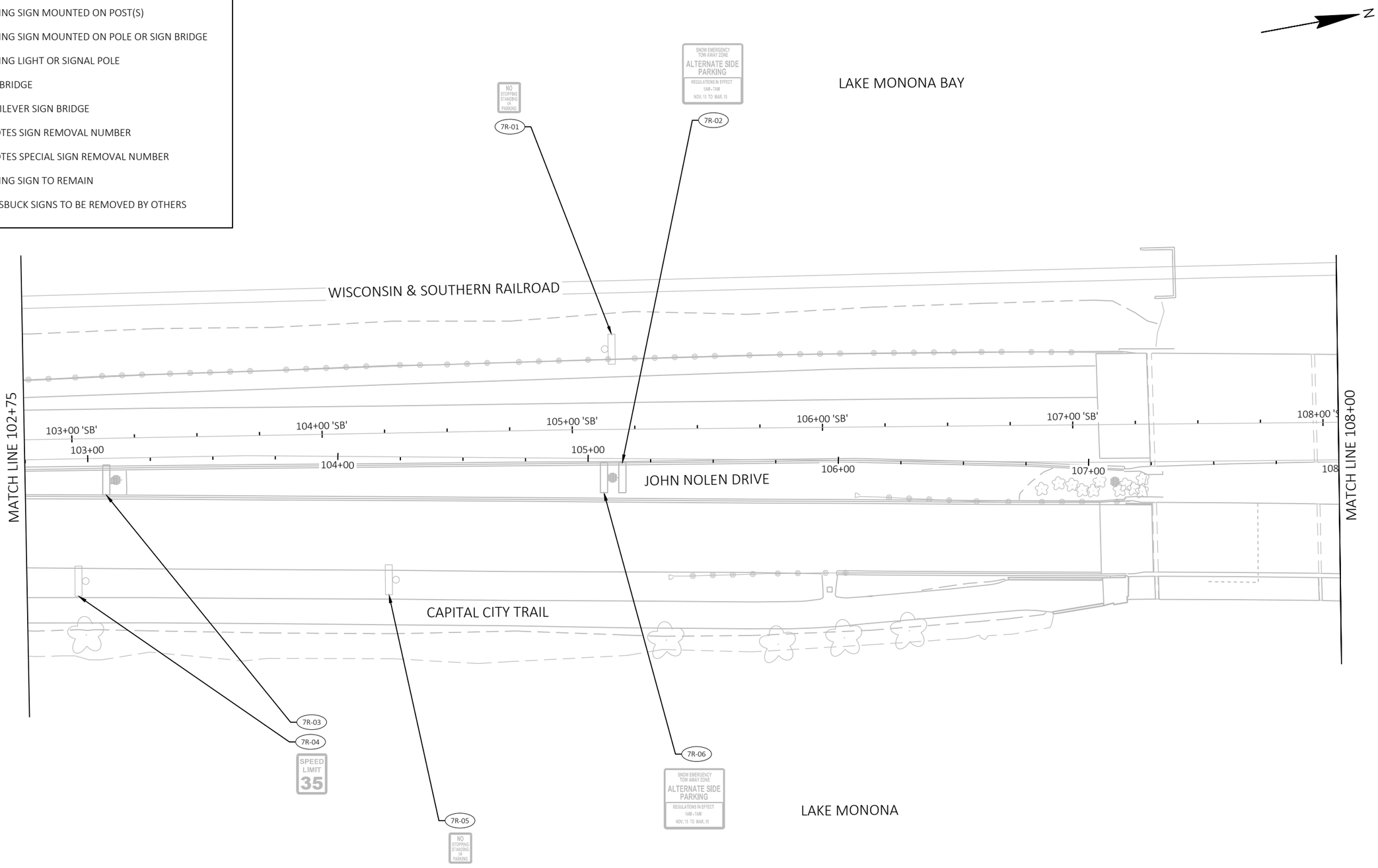
PLOT DATE : 5/23/2025 8:32 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 301	E

2

2

N

LAKE MONONA BAY

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

LAKE MONONA

MATCH LINE 108+00

MATCH LINE 113+50

108+00 'SB'

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

108+00

109+00

110+00

111+00

112+00

113+00

8R-01 SPEED LIMIT 35

8R-02

8R-03 SPEED LIMIT 35

8R-04

8R-05

8R-06 NO STOPPING STANDING OR PARKING

8R-07

8R-08 TRUCK ROUTE

8R-09

8R-10

8R-11 NO STOPPING STANDING OR PARKING

8R-12 R R

8R-13 EXEMPT

8R-14 NO TRAIN HORN

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 302	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS - EXIST.DWG
LAYOUT NAME - 08

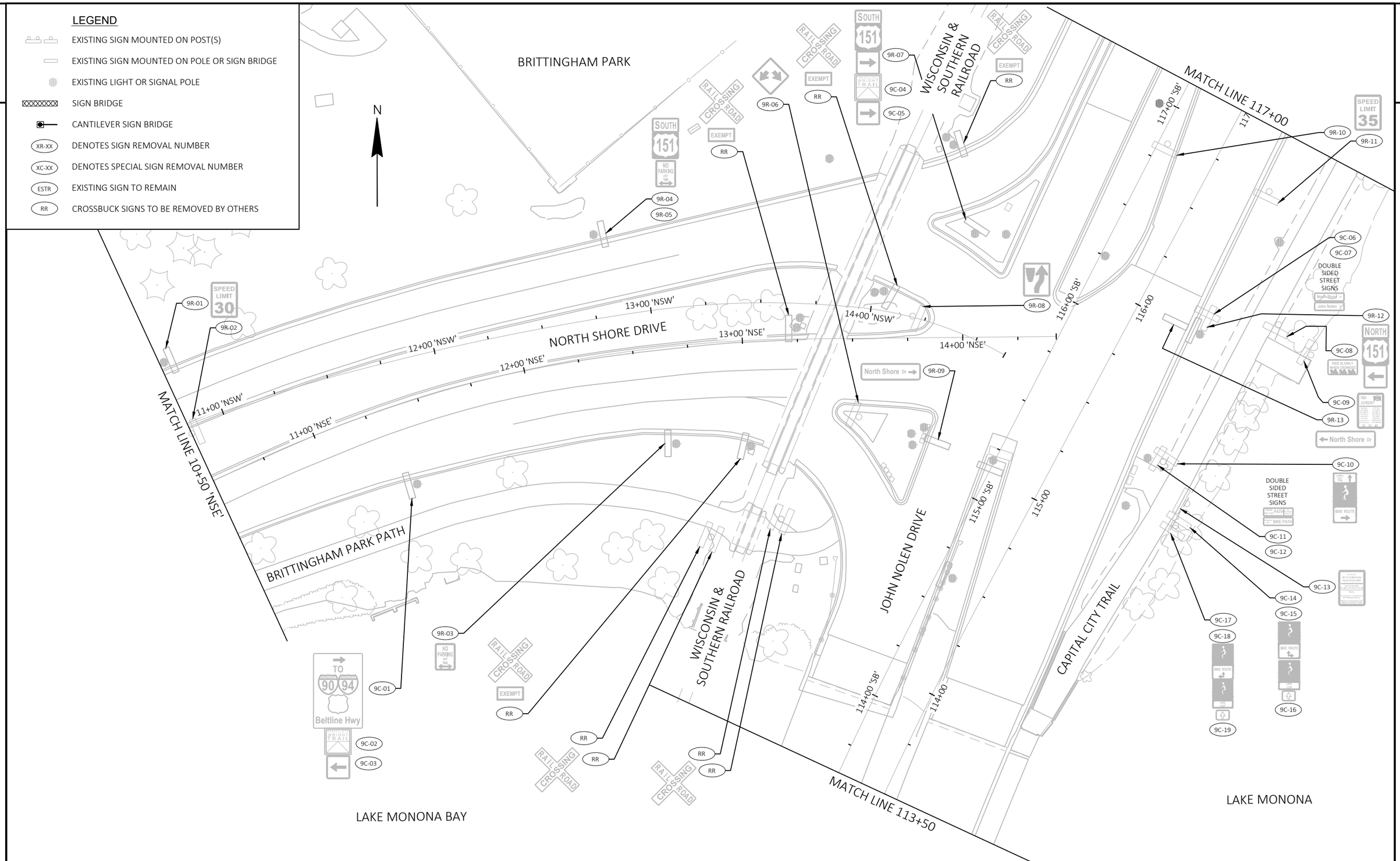
PLOT DATE : 5/23/2025 8:33 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

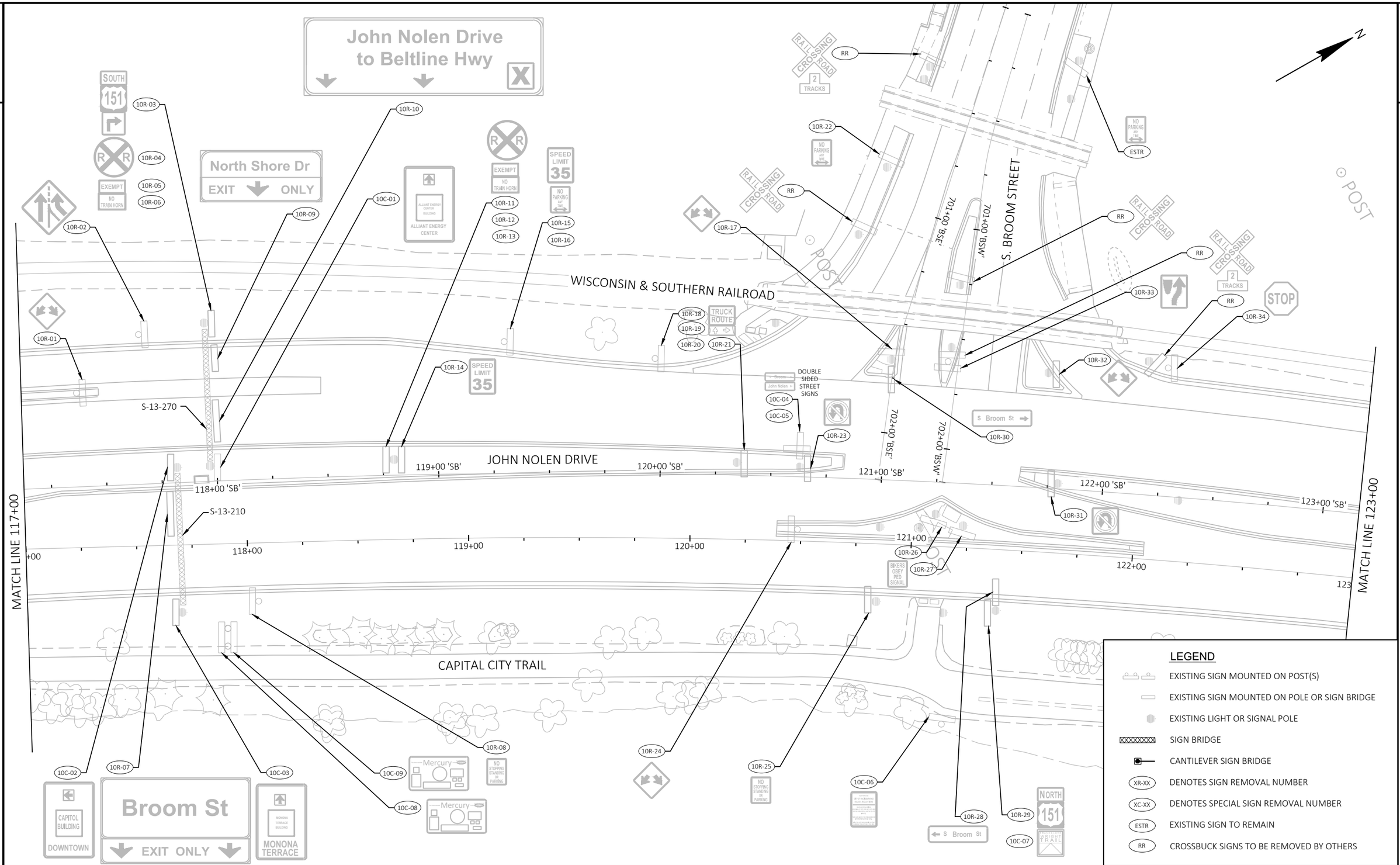
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 303	E

2



LEGEND

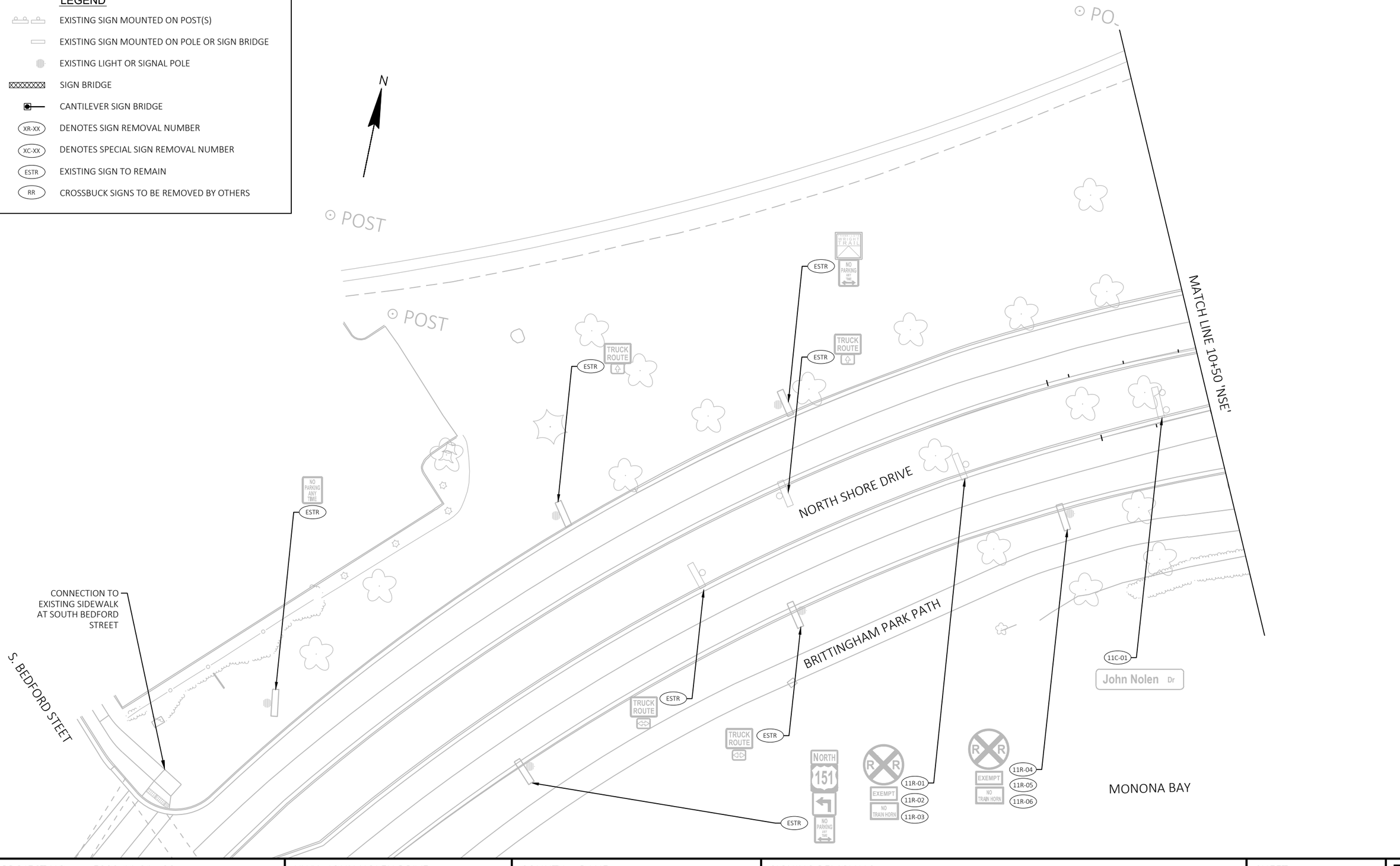
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 304	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS



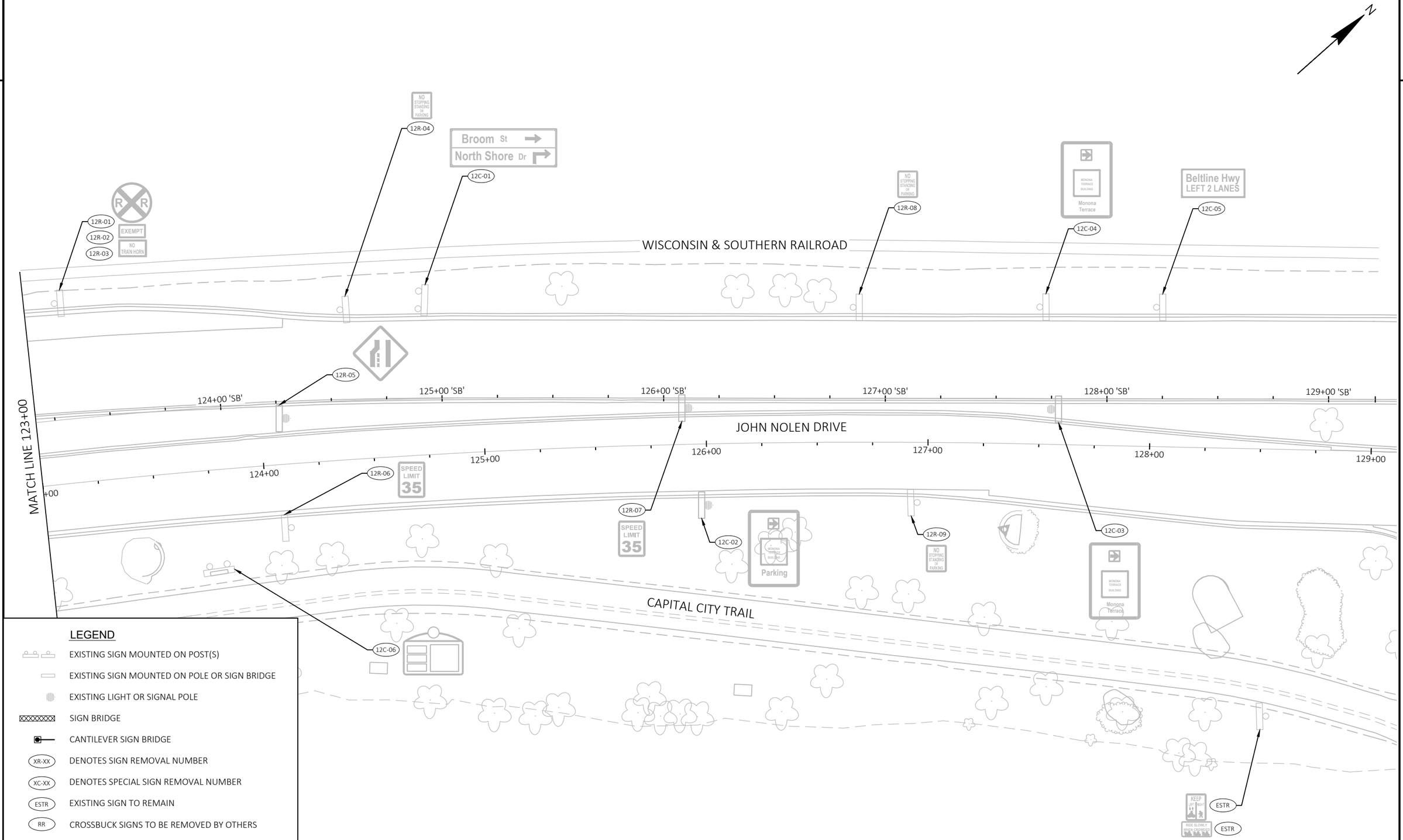
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 305	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS - EXIST.DWG
LAYOUT NAME - 11

PLOT DATE : 5/23/2025 8:33 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

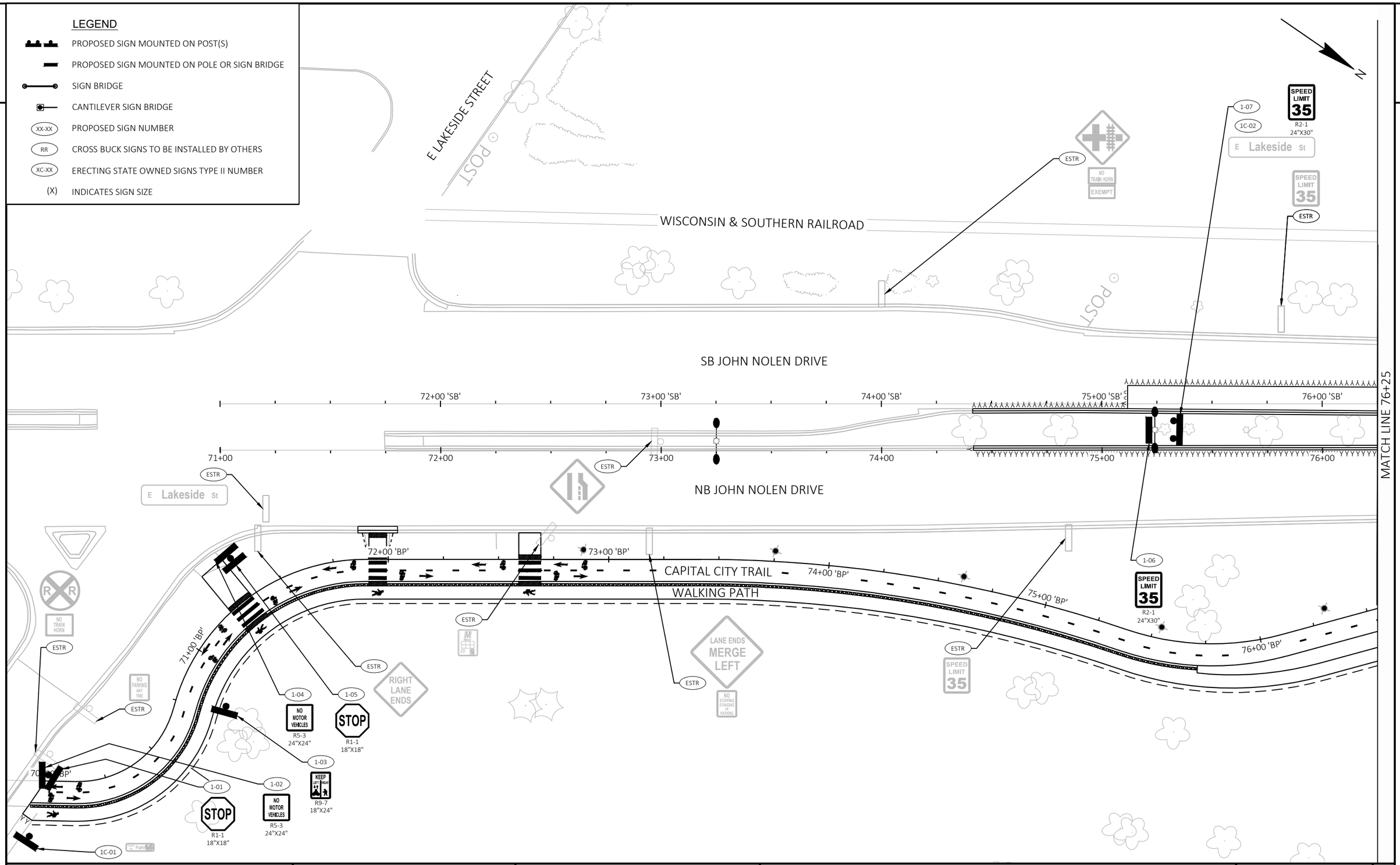
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XR-XX — DENOTES SIGN REMOVAL NUMBER
- XC-XX — DENOTES SPECIAL SIGN REMOVAL NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- RR — CROSSBUCK SIGNS TO BE REMOVED BY OTHERS

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGNING REMOVALS	SHEET 306	E

2

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 307	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 01

PLOT DATE : 5/22/2025 10:58 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

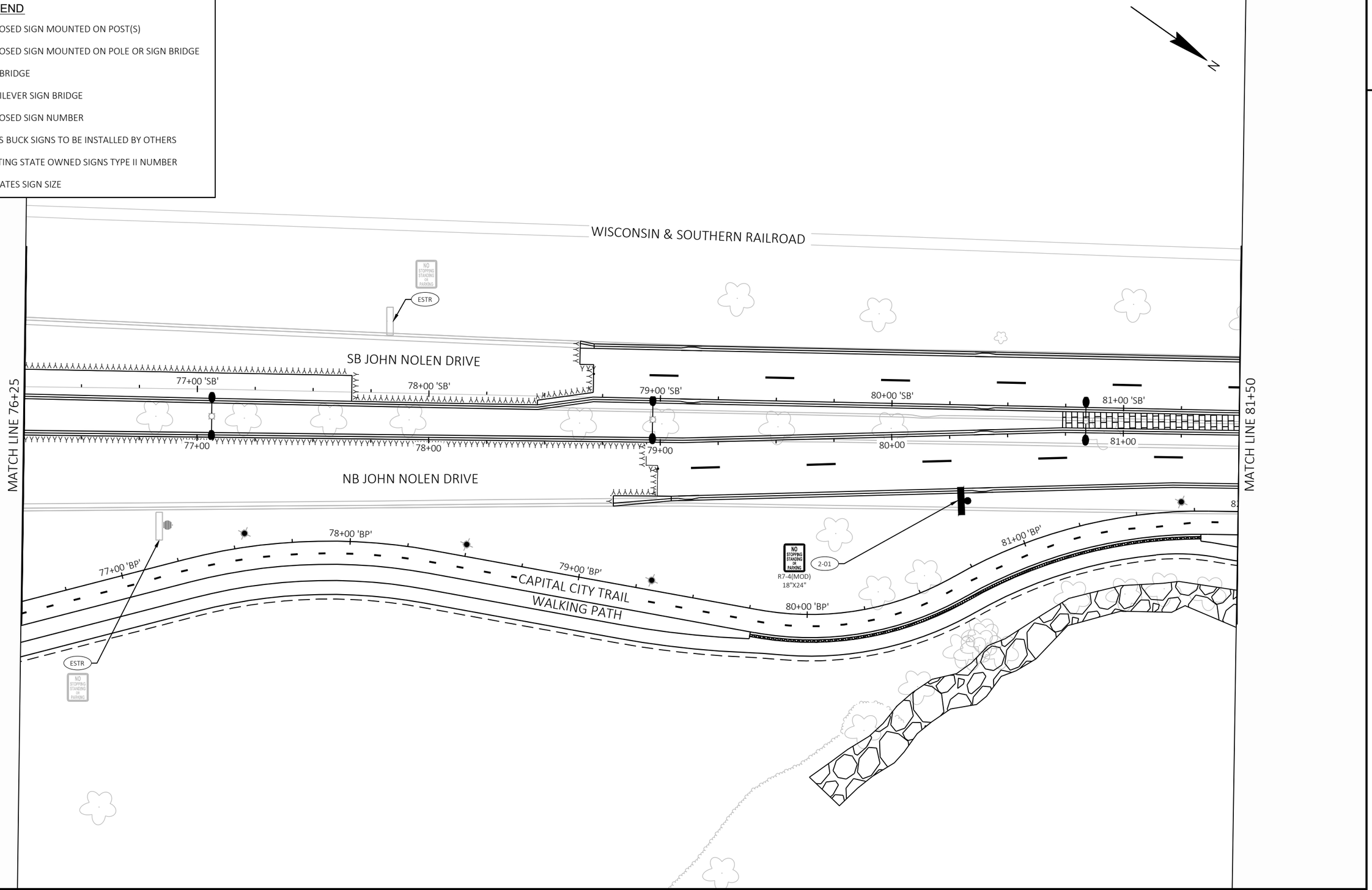
WISDOT/CADDS SHEET 42

2

2

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 308	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 10:58 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

82+00 'SB' 83+00 'SB' 84+00 'SB' 85+00 'SB' 86+00 'SB' 87+0

82+00 83+00 84+00 85+00 86+00 87-

MATCH LINE 81+50

MATCH LINE 87+00

NB JOHN NOLEN DRIVE

2+00 'BP' 83+00 'BP' 84+00 'BP' 85+00 'BP' 86+00 'BP' 87+00 'BP'

CAPITAL CITY TRAIL

WALKING PATH

3-01

NO STOPPING STANDING OR PARKING

R7-4(MOD)
18"X24"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX PROPOSED SIGN NUMBER
- RR CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 309	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 03

PLOT DATE : 5/22/2025 10:58 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"
4-01

WISCONSIN & SOUTHERN RAILROAD

B-13-930 SB

SB JOHN NOLEN DRIVE

MATCH LINE 87+00

'SB' 88+00 'SB' 89+00 'SB' 90+00 'SB' 91+00 'SB' 92+00 'SB'

00 88+00 89+00 90+00 91+00 92+00

MATCH LINE 92+00

NB JOHN NOLEN DRIVE

88+00 'BP' 89+00 'BP' 90+00 'BP' 91+00 'BP' 92+00 'BP'

CAPITAL CITY TRAIL

WALKING PATH

B-13-932

B-13-930 NB

4-02

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 310	E

2

2

N

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"
5-01

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
93+00
94+00
95+00
96+00
97+00

NB JOHN NOLEN DRIVE

93+00 'BP'
94+00 'BP'
95+00 'BP'
96+00 'BP'
97+00 'BP'

CAPITAL CITY TRAIL

WALKING PATH

MATCH LINE 92+00

MATCH LINE 97+50

5-02

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 311	E

2

N

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
98+00
99+00
100+00
101+00
102+00

NB JOHN NOLEN DRIVE

98+00 'BP'
99+00 'BP'
100+00 'BP'
101+00 'BP'
102+00 'BP'

CAPITAL CITY TRAIL
WALKING PATH

MATCH LINE 97+50

MATCH LINE 102+75

6-01
NO STOPPING STAGING OR PARKING
R7-4(MOD)
18"X24"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 312	E

2

N

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"
7-01

WISCONSIN & SOUTHERN RAILROAD

B-13-924 SB

SB JOHN NOLEN DRIVE

103+00 'SB' 104+00 'SB' 105+00 'SB' 106+00 'SB' 107+00 'SB' 108+00 'S

103+00 104+00 105+00 106+00 107+00 108

MATCH LINE 102+75

NB JOHN NOLEN DRIVE

03+00 'BP' 104+00 'BP' 105+00 'BP' 106+00 'BP' 107+00 'BP' 108+00 'BP'

CAPITAL CITY TRAIL

WALKING PATH

B-13-924 NB

B-13-933

MATCH LINE 108+00

7-02
NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"

7-03
BEGIN LEFT TURN LANE
R3-20L
24"X36"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 313	E

2

N

R14-1 24"X18" TRUCK ROUTE 8-01
M7-1(MOD) 24"X18" 8-02
8-03
SPEED LIMIT 35 R2-1 24"X30" 8-04
NO STOPPING STANDING OR PARKING R7-4(MOD) 18"X24" 8-05

WISCONSIN & SOUTHERN RAILROAD

B-13-924 SB
B-13-926 SB

SB JOHN NOLEN DRIVE

109+00 'SB'
110+00 'SB'
111+00 'SB'
112+00 'SB'
113+00 'SB'

109+00
110+00
111+00
112+00
113+00

NB JOHN NOLEN DRIVE

MATCH LINE 108+00

MATCH LINE 113+50

109+00 'BP'
110+00 'BP'
111+00 'BP'
112+00 'BP'
113+00 'BP'

CAPITAL CITY TRAIL

WALKING PATH

B-13-924 NB
B-13-933
B-13-934
B-13-926 NB

8-09
W10-3 36"X36"
W10-1A 24"X12" EXEMPT 8-10
W10-9P 24"X15" NO TRAIN HORN 8-11

R14-1 24"X18" TRUCK ROUTE 8-06
M7-1(MOD) 24"X18" 8-07

8-08
NO STOPPING STANDING OR PARKING R7-4(MOD) 18"X24"

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX PROPOSED SIGN NUMBER
- RR CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) INDICATES SIGN SIZE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 314	E

2

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX PROPOSED SIGN NUMBER
- RR CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) INDICATES SIGN SIZE

N

BASSETT BIKE PATH

26+00 'BPB'

BRITTINGHAM PARK PATH

18+00 'BP'

17+00 'BP'

16+00 'BP'

MATCH LINE 15+00 'BP'

NORTH SHORE DRIVE

13+00 'NSW'

12+00 'NSW'

12+00 'NSE'

11+00 'NSW'

11+00 'NSE'

14+00 'NSW'

14+00 'NSE'

19+00 'B

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE 117+00

117+00 'SB'

117+00

116+00 'SB'

116+00

116+00 'BP'

NB JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

WALKING PATH

115+00 'SB'

115+00

115+00 'BP'

SB JOHN NOLEN DRIVE

114+00 'SB'

114+00

114+00 'BP'

B-13-926 SB

MATCH LINE 113+50

B-13-934

B-13-926 NB

John Nolen Dr

9-01 9-02 SPEED LIMIT 30 R2-1 24"X30"

9-03 R1-2 18"X18"

9-04 9-05 SOUTH 151 J4-1 24"X36"

NO PARKING ANY TIME R7-1D 18"X24"

9-06 M1-94H 96"X18" SEE SPECIAL SIGN PLATE North Shore Dr

R15-1 48"X48" RR EXEMPT R15-3 24"X12"

R15-1 48"X48" RR

R15-1 48"X48" RR EXEMPT R15-3

R15-1 48"X48" RR

9-07 STOP HERE ON RED R10-6 24"X36"

9-08 DO NOT ENTER R5-1 30"X30"

9-31 SPEED LIMIT 35 R2-1 24"X30"

9-30

9-29

SOUTH 151 J3-1 24"X57"

9C-04 9C-05 9C-06 9C-07 DOUBLE SIDED STREET SIGNS

9-27 9-28 NORTH 151

North Shore Dr SEE SPECIAL SIGN PLATE M1-94H 96"X18"

KEEP RIGHT R9-7 18"X24"

9-26 9C-08 RIDE SLOWLY WHEN CROWDED J3-1 24"X57"

9-25 ONE WAY R6-2L 24"X30"

9-24 9-23 9-22 R4-7 24"X30"

9C-14 9C-15 9C-16 9C-17 9C-18 9C-19 BIKE ROUTE

DOUBLE SIDED STREET SIGNS

9C-11 9C-12 BIKE PATH

9C-13

9C-10 BIKE ROUTE

9-09 9-10 9-11 9-12 9-13 9-14 W10-1 36"X36" EXEMPT W10-1A 24"X12" NO TRAIN HORN W10-9P 24"X15"

11C-01

9-15 ONLY ONLY ONLY R3-8LLR 54"X30"

9C-01 TO 90 94 Beltline Hwy WRIGHT TRAIL

9C-02 9C-03

9-16 W12-1D 24"X24"

9-17 NO PARKING ANY TIME R7-1D 18"X24"

RR R15-1 48"X48" EXEMPT R15-3 24"X12"

9-18 STOP HERE ON RED R10-6 24"X36"

RR R15-1 48"X48"

9-19 NO TURN ON RED 6AM - 9PM R10-11B 24"X24" R10-20aP(MOD) 24"X12"

9-20

9-21 ONE WAY R6-2R 24"X30"

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 315	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 09

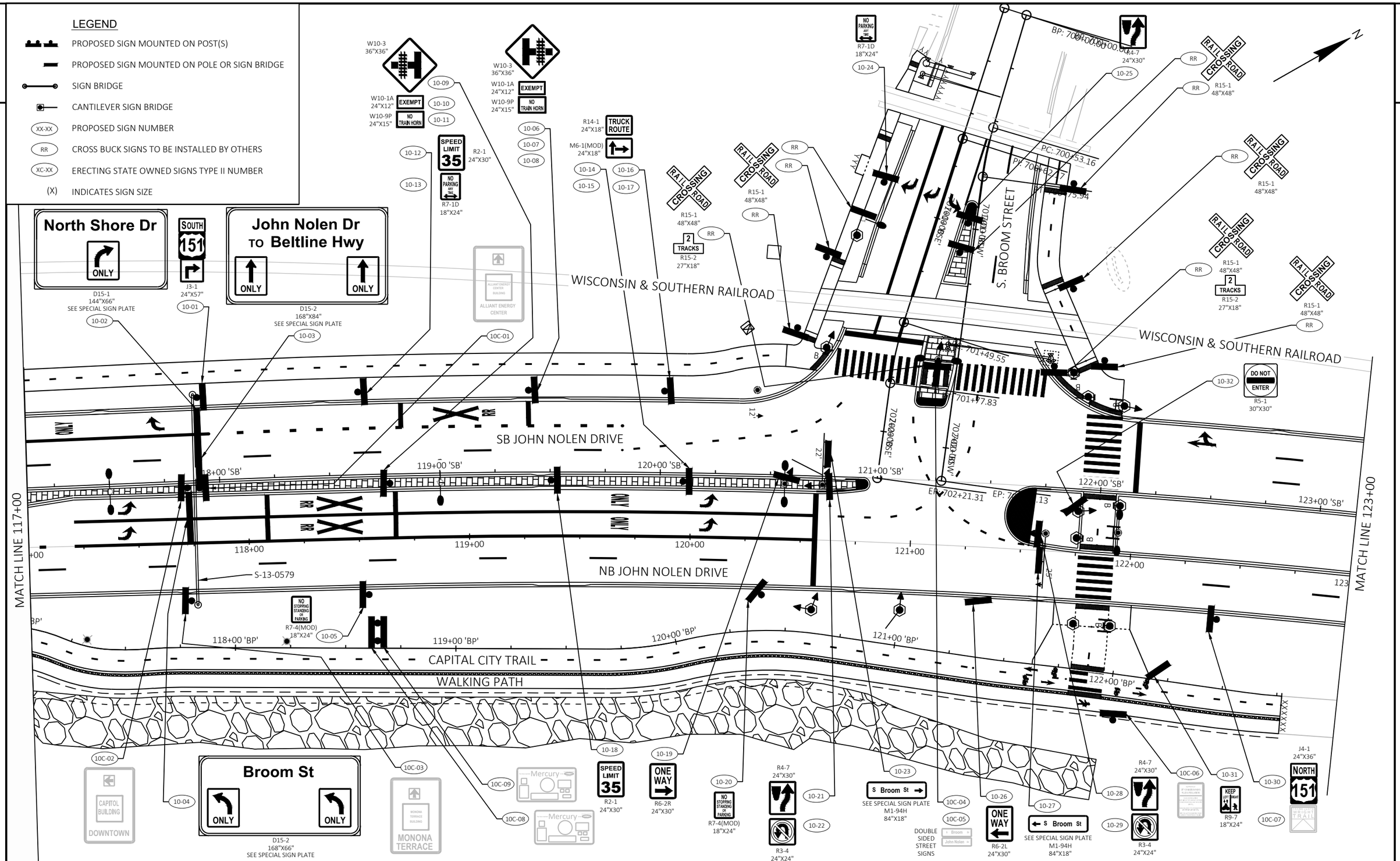
PLOT DATE : 5/22/2025 10:59 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE



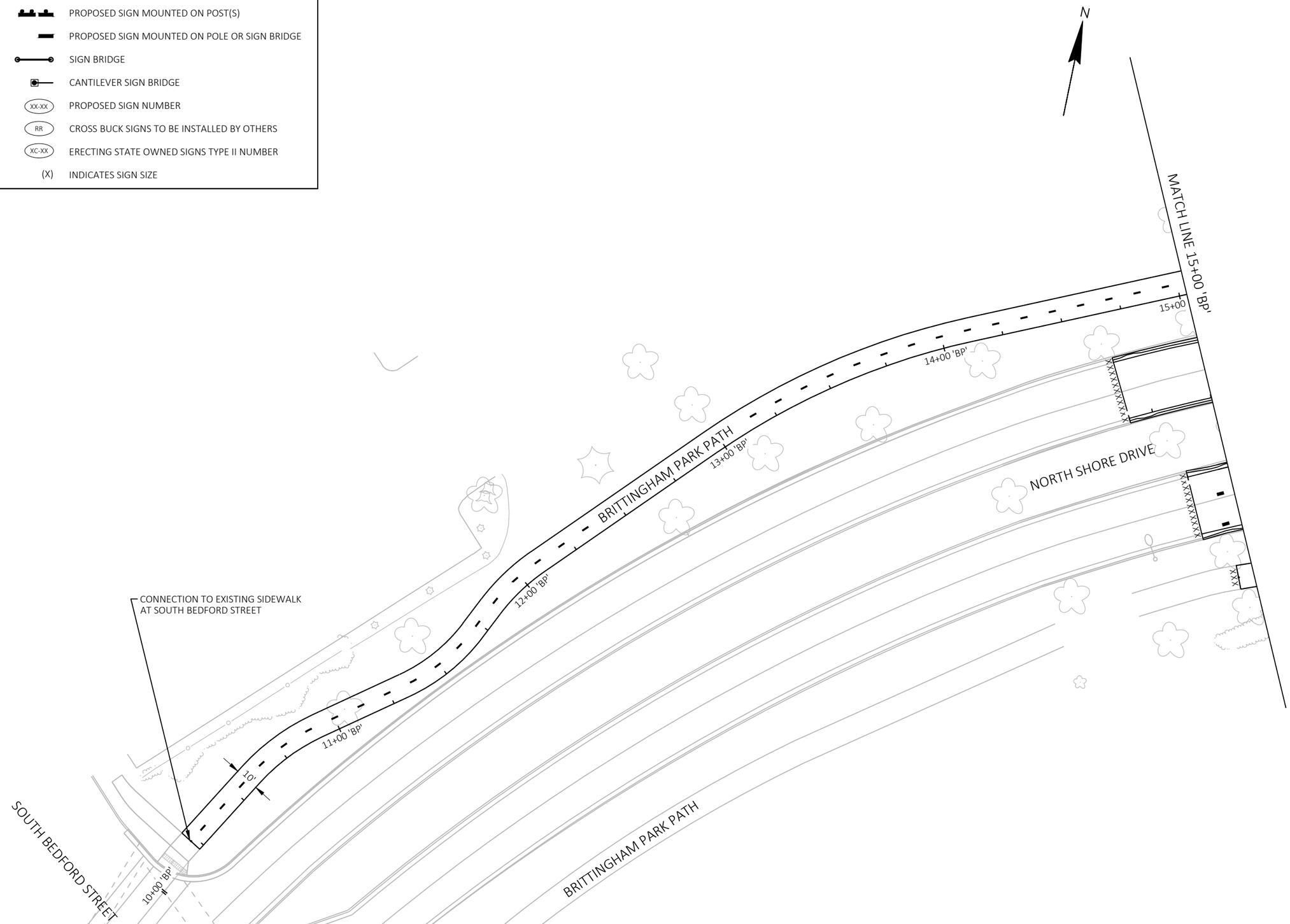
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 316	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 10

PLOT DATE : 5/22/2025 10:59 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE



2

LEGEND

- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POLE OR SIGN BRIDGE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XX-XX — PROPOSED SIGN NUMBER
- RR — CROSS BUCK SIGNS TO BE INSTALLED BY OTHERS
- XC-XX — ERECTING STATE OWNED SIGNS TYPE II NUMBER
- (X) — INDICATES SIGN SIZE

WRONG WAY
R5-1A
36"X24"
12-01

12-02
W10-3
36"X36"

12-03 EXEMPT W10-1A 24"X12"

12-04 NO TRAIN HORN W10-9P 24"X15"

NO STOPPING STANDING OR PARKING
R7-4(MOD)
18"X24"
12-05

Broom St
North Shore Dr
12C-01

Monona Terrace
12C-03
12C-04

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

Beltline Hwy
LEFT 2 LANES
12C-05

MATCH LINE 123+00

124+00 'SB'
125+00 'SB'
126+00 'SB'
127+00 'SB'
128+00 'SB'
129+00 'SB'

124+00
125+00
126+00
127+00
128+00
129+00

NB JOHN NOLEN DRIVE

12-08 SPEED LIMIT 35 R2-1 24"X30"

CAPITAL CITY TRAIL

R2-1
24"X30"
SPEED LIMIT 35
12-06

R7-4(MOD)
18"X24"
NO STOPPING STANDING OR PARKING
12-07

MONONA TERRACE BUILDING
PARKING
12C-02

R3-20RR
24"X36"
BEGIN RIGHT TURN LANE
12-09

R7-4(MOD)
18"X24"
NO STOPPING STANDING OR PARKING
12-10

12C-06
CONCRETE BASE
TO BE REPLACED

KEEP LEFT RIGHT
RIDE SLOWLY WHEN CROWDED
ESTR
ESTR

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PERMANENT SIGNING	SHEET 318	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 12

PLOT DATE : 5/22/2025 10:59 AM PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' — SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED

N

SAYLE ST

E LAKESIDE ST

LC4448
EXISTING

EXSL4446

EXPBX02

EXSL4444

EXSL4442

EXSL4440

JOHN NOLEN DR

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+0

72+00'NB' EXPBX03 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+0

MATCHLINE 77+00'SB'

JOHN NOLEN DR

EXPBX01

EXSL4447

EXSL4443

CAPITOL CITY TRAIL

EXPBX04

EXSL4441

EXSL4439

CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

2) MAINTAIN EXISTING ELECTRICAL OPERATIONS AT LAKESIDE INTERSECTION.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 319	E

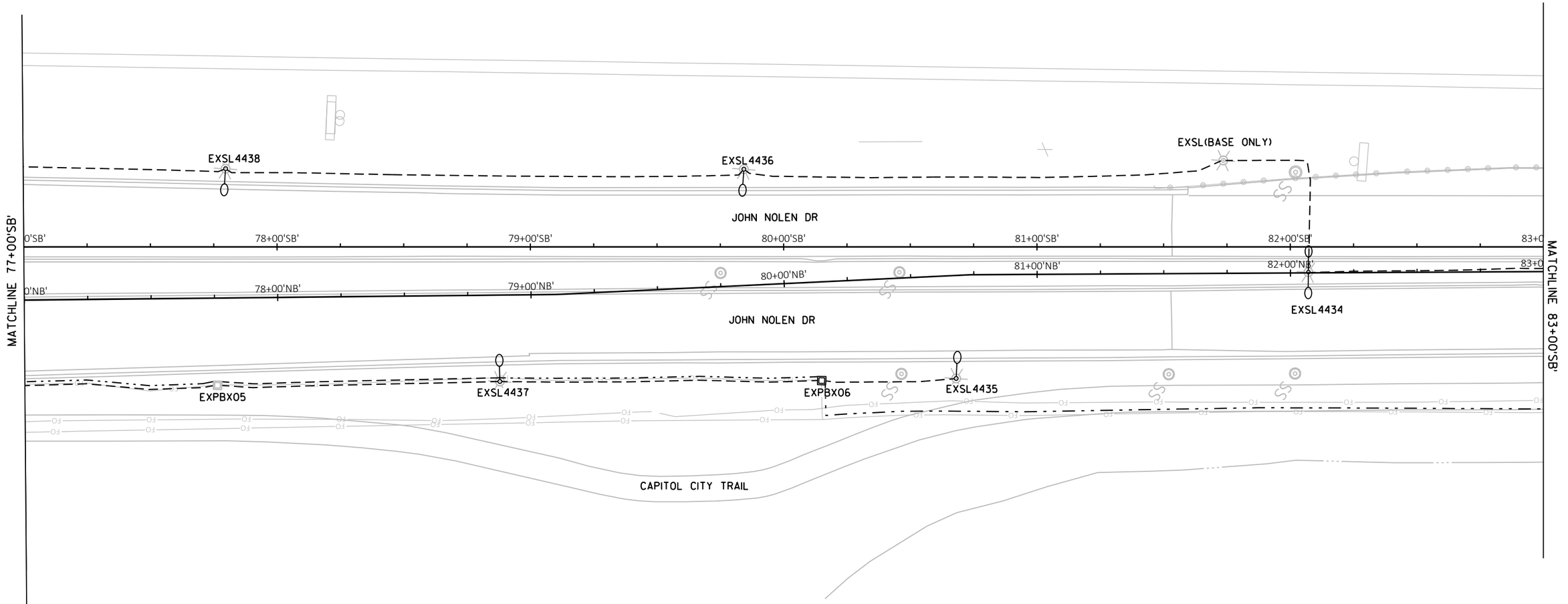
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 01
PLOT DATE : 4/30/2025 3:30 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE

* BOLD INDICATES ITEMS TO BE REMOVED



CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 320	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 02

PLOT DATE : 4/30/2025 3:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

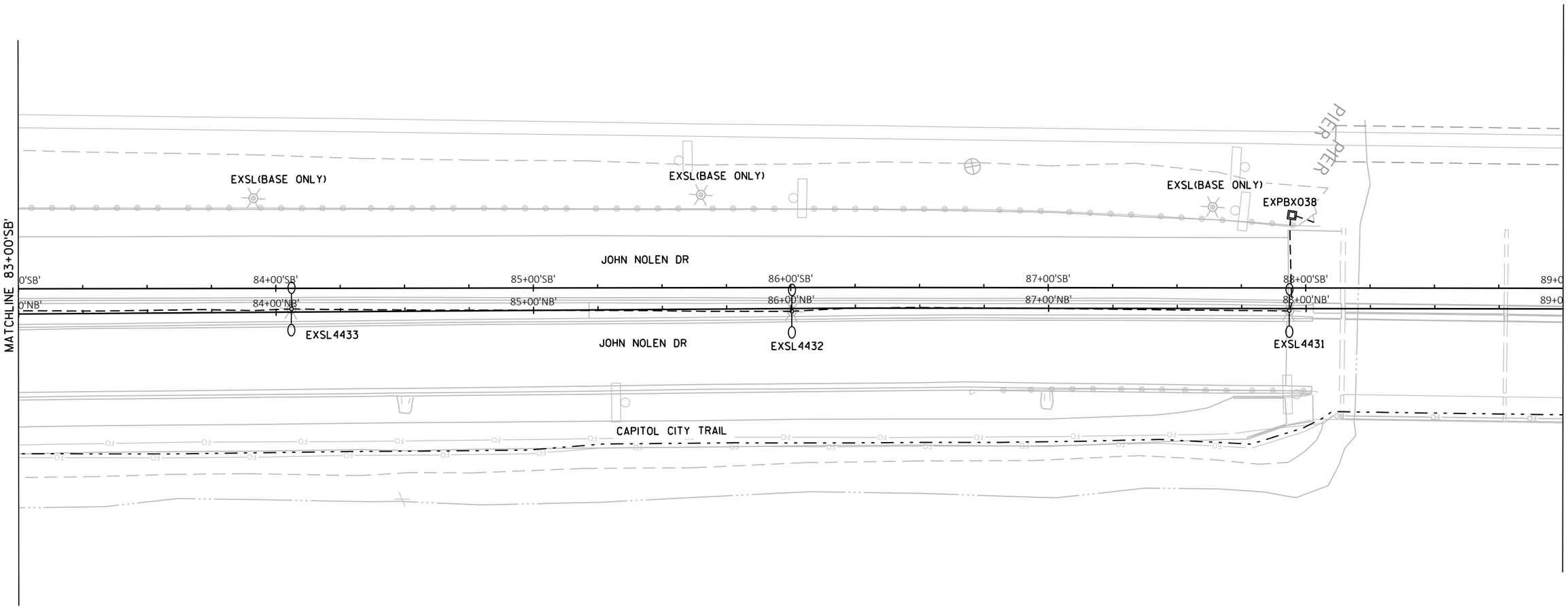
WISDOT/CADDS SHEET 42

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' — SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED

N



CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 321	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 03

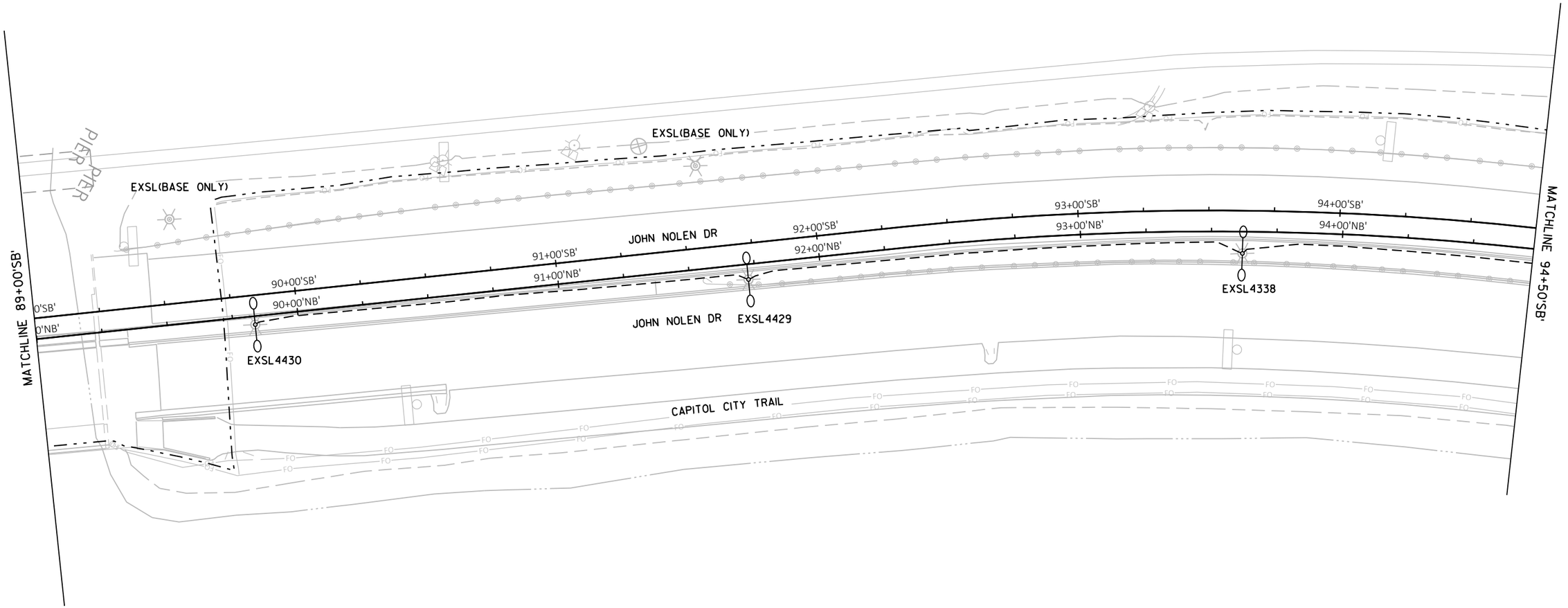
PLOT DATE : 4/30/2025 3:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED



CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 322	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 04

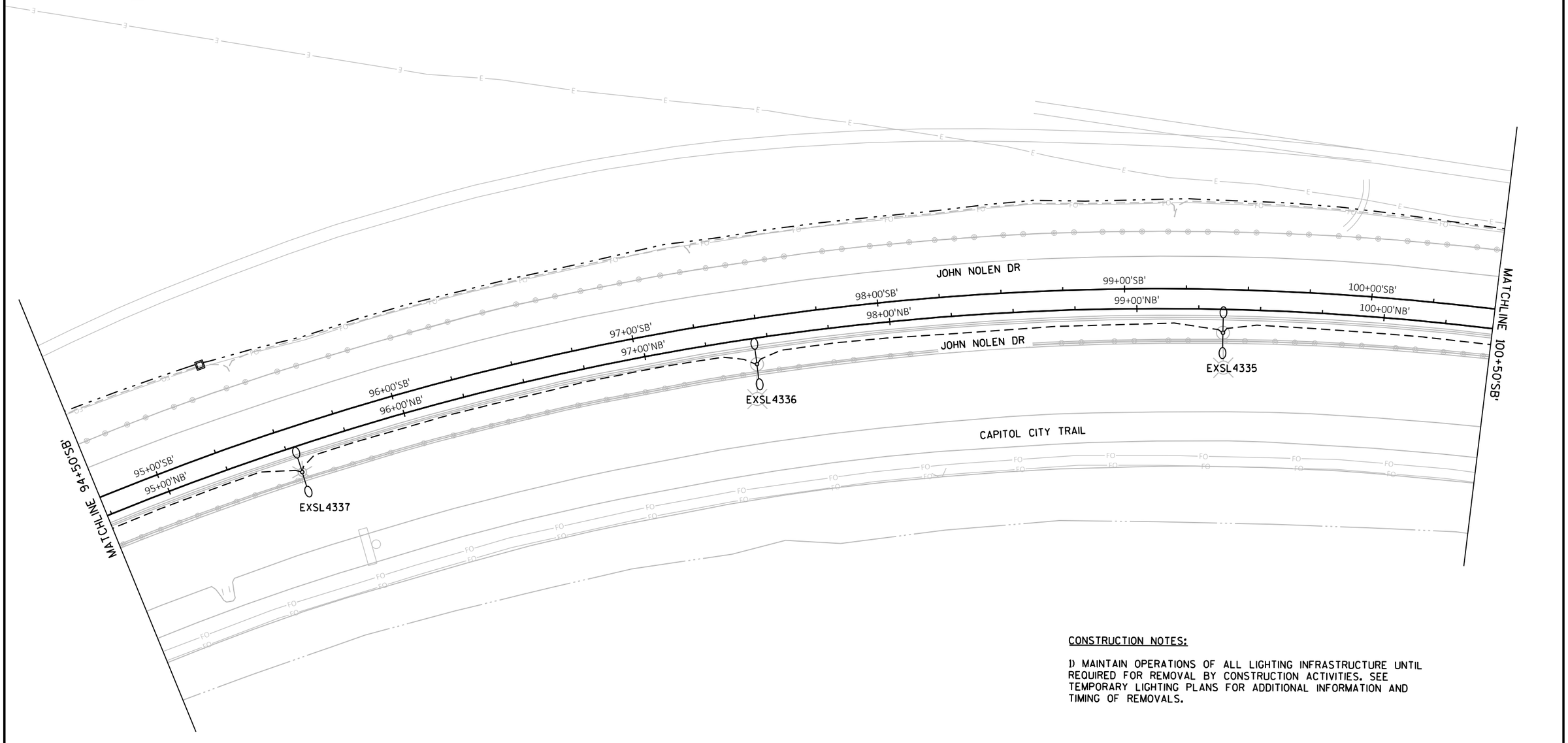
PLOT DATE : 4/30/2025 3:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED

N



CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 323	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - 05
PLOT DATE : 4/30/2025 3:30 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

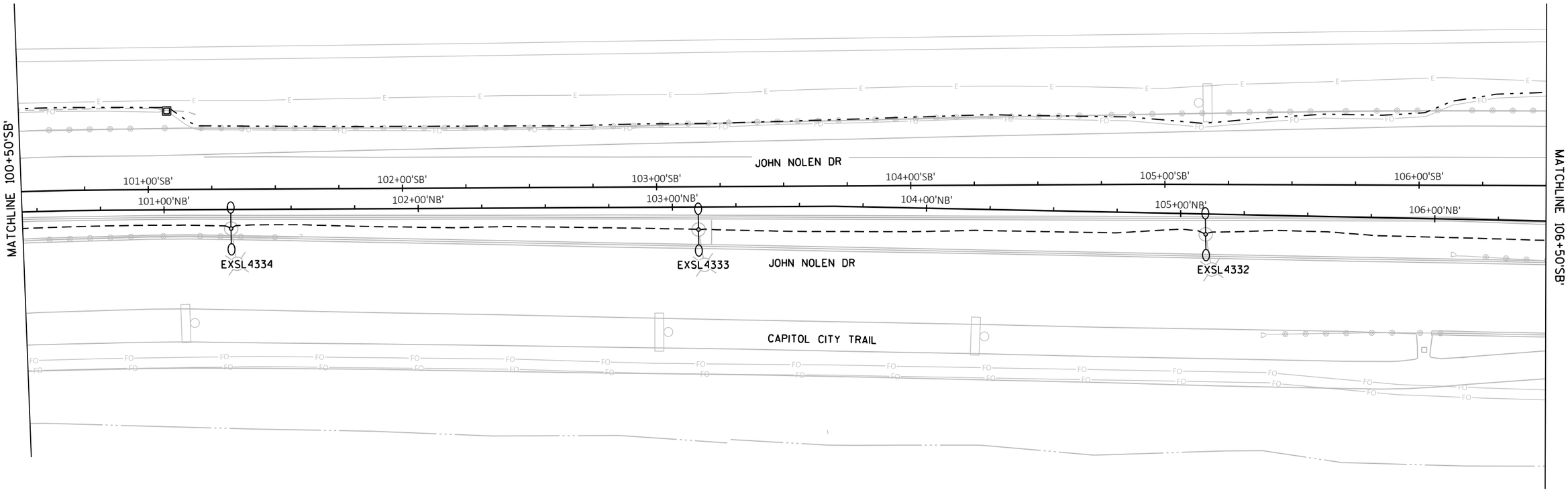
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ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE

* BOLD INDICATES ITEMS TO BE REMOVED

N



CONSTRUCTION NOTES:

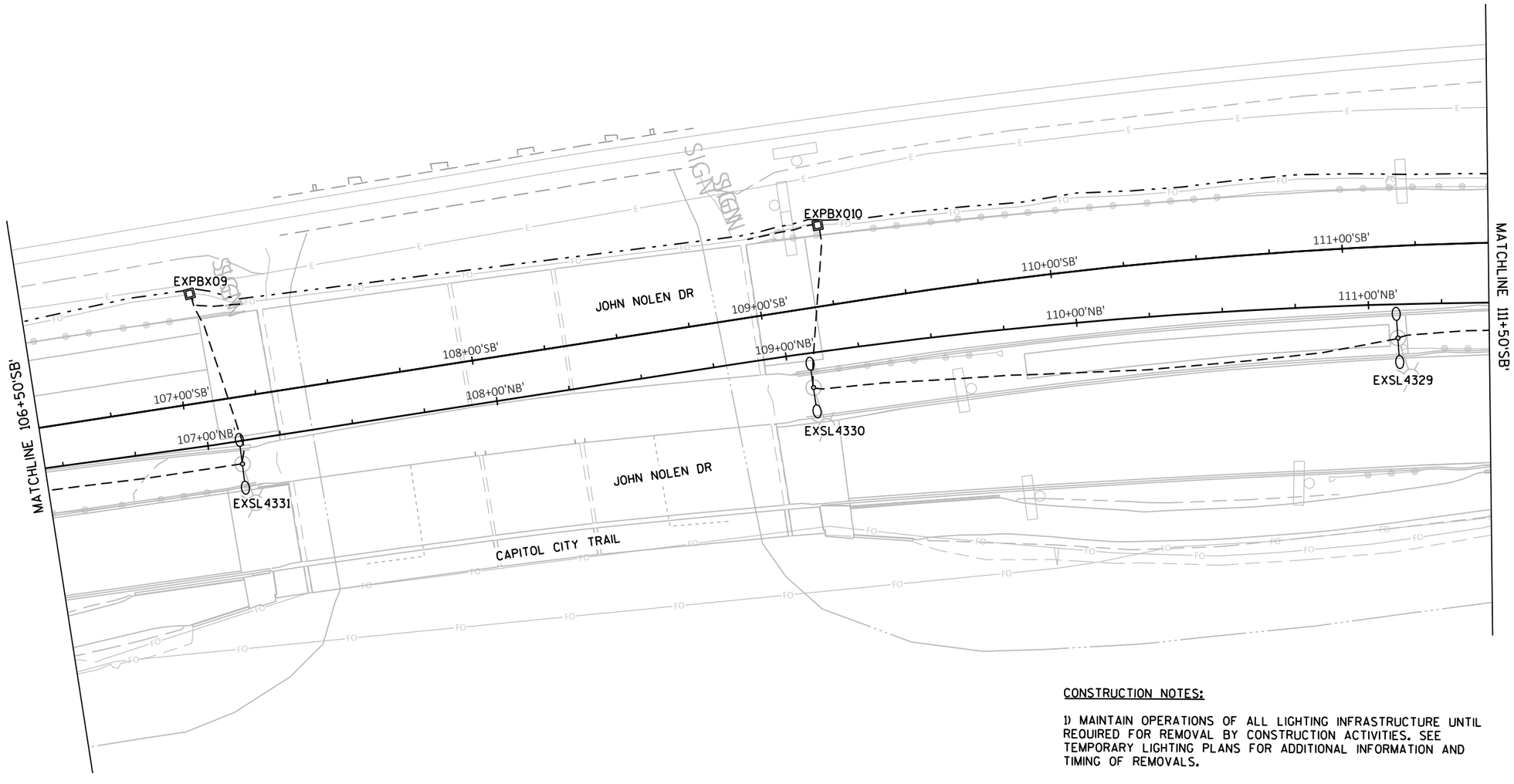
1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 324	E

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
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- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE

* BOLD INDICATES ITEMS TO BE REMOVED



CONSTRUCTION NOTES:

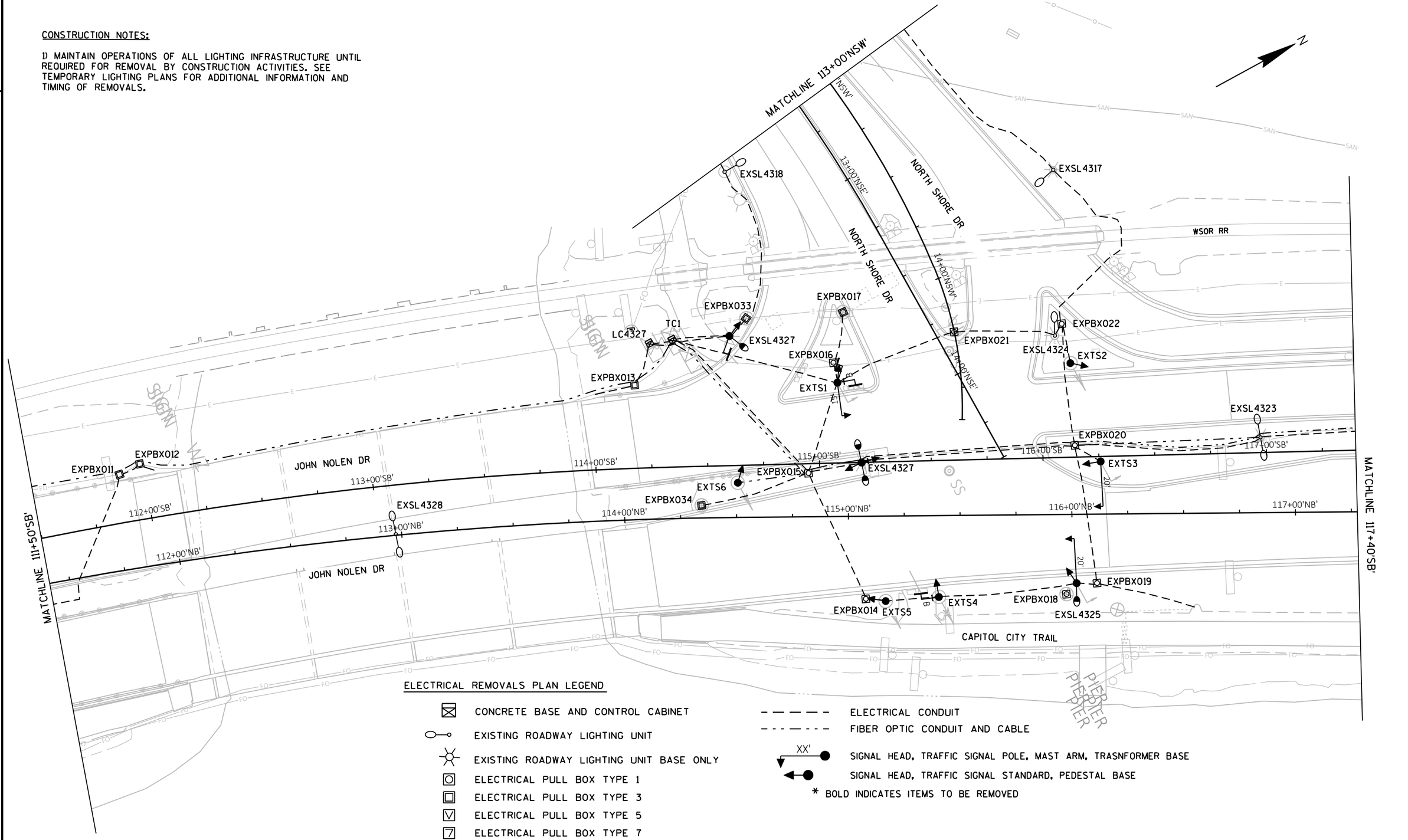
1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 325	E

2

CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.



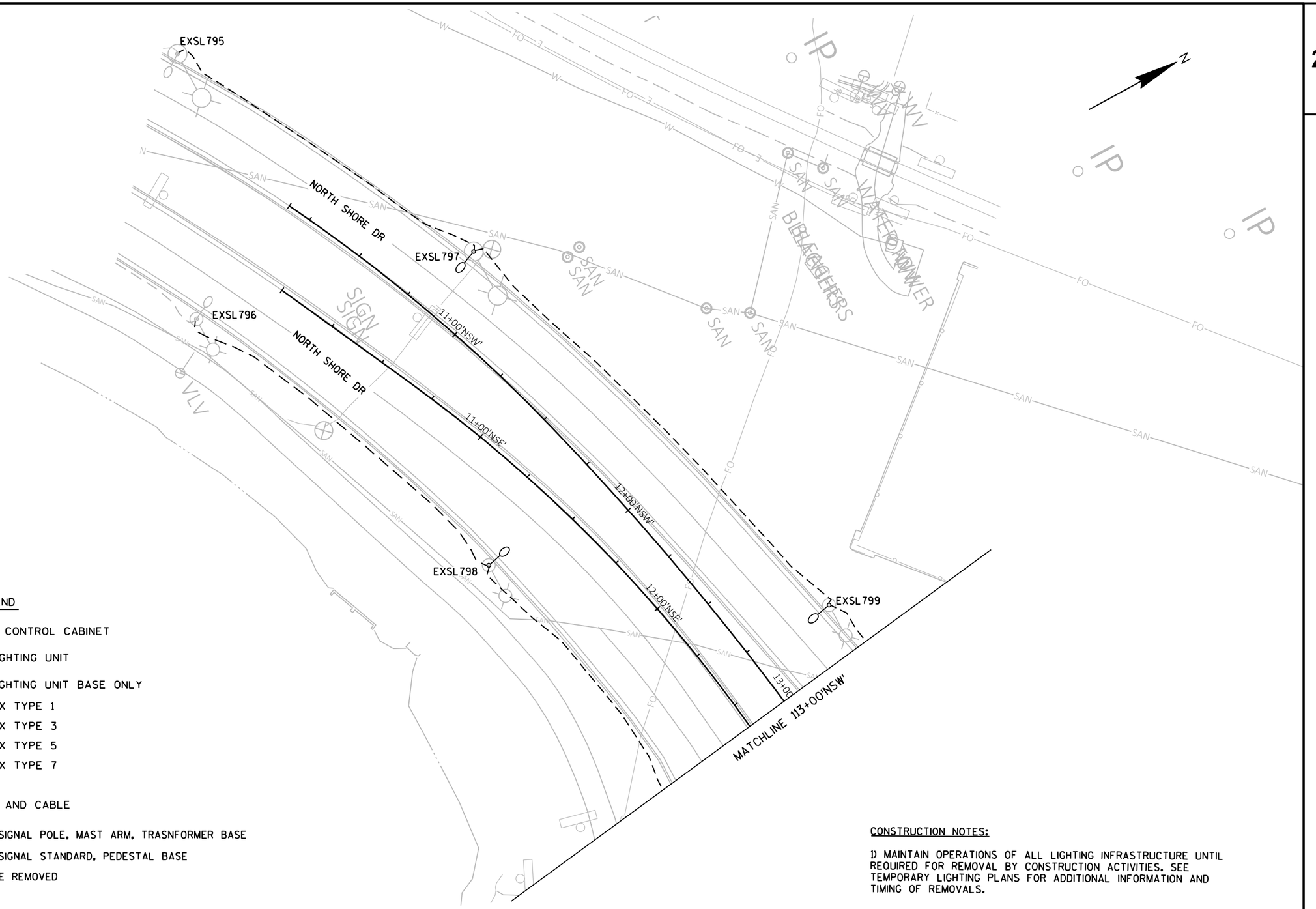
ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 326	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - North Shore Dr
PLOT DATE : 4/30/2025 3:30 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE

* BOLD INDICATES ITEMS TO BE REMOVED

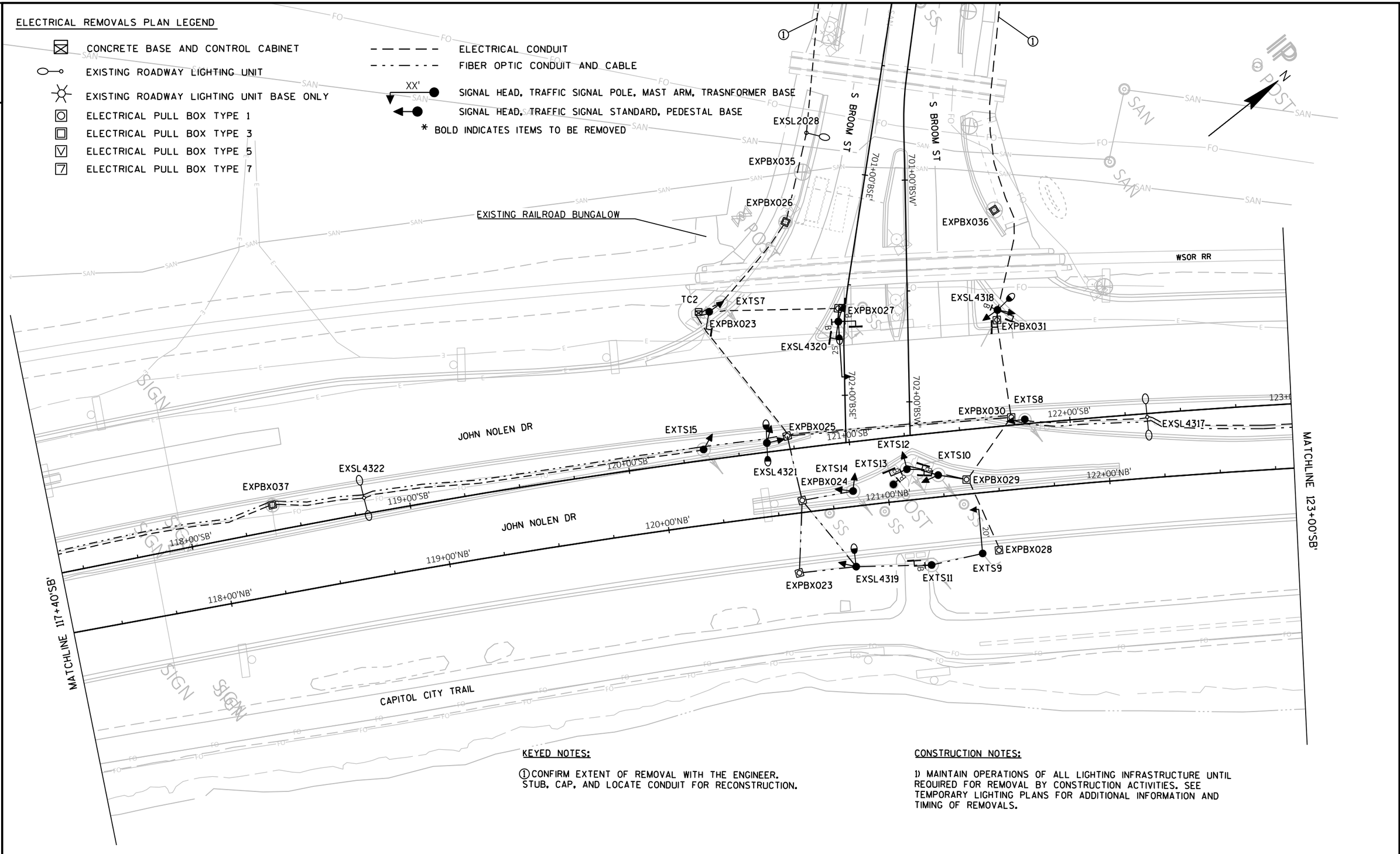
CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED



KEYED NOTES:

① CONFIRM EXTENT OF REMOVAL WITH THE ENGINEER. STUB, CAP, AND LOCATE CONDUIT FOR RECONSTRUCTION.

CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 328	E

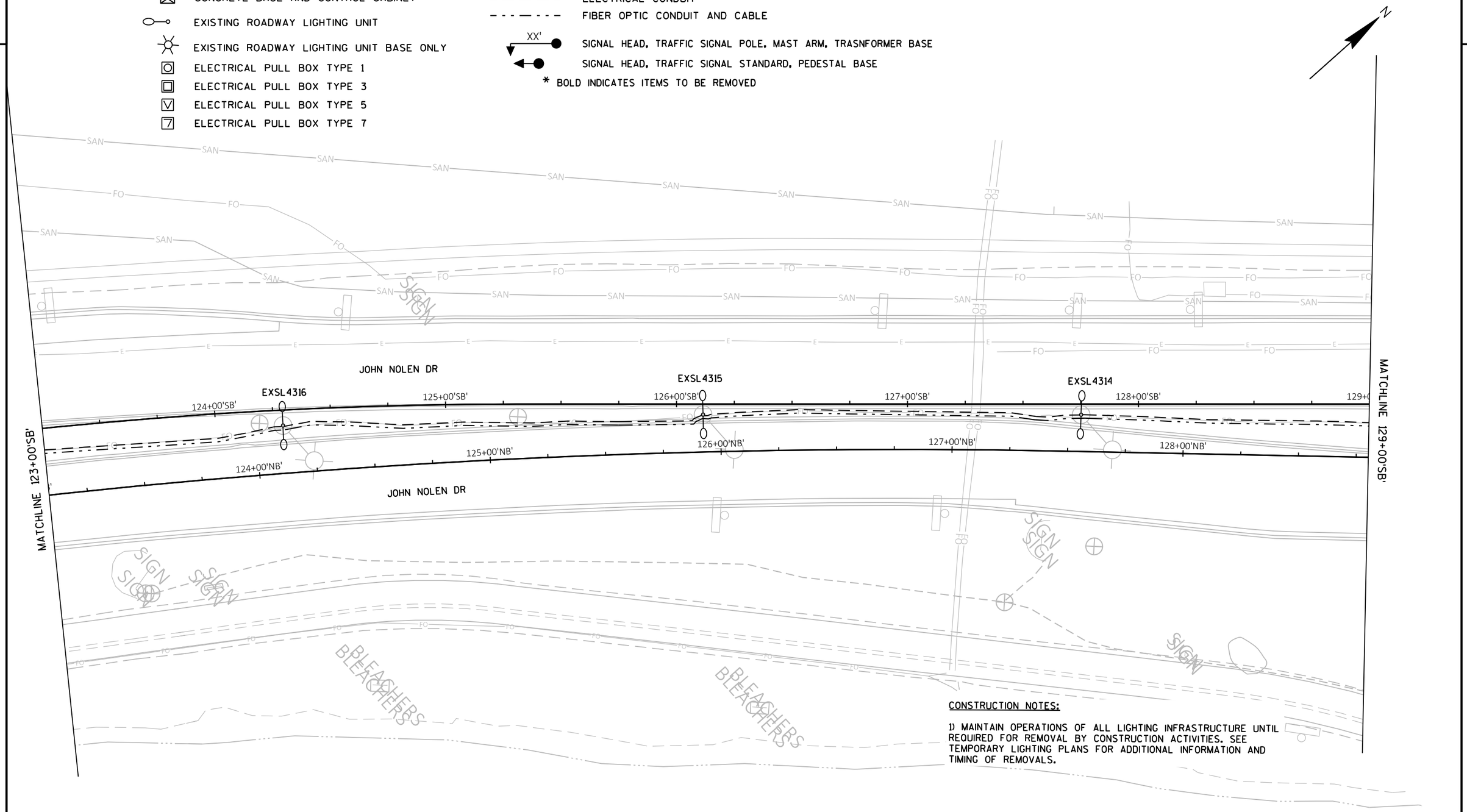
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023401-LR.DWG
LAYOUT NAME - Broom St
PLOT DATE : 4/30/2025 3:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE

* BOLD INDICATES ITEMS TO BE REMOVED



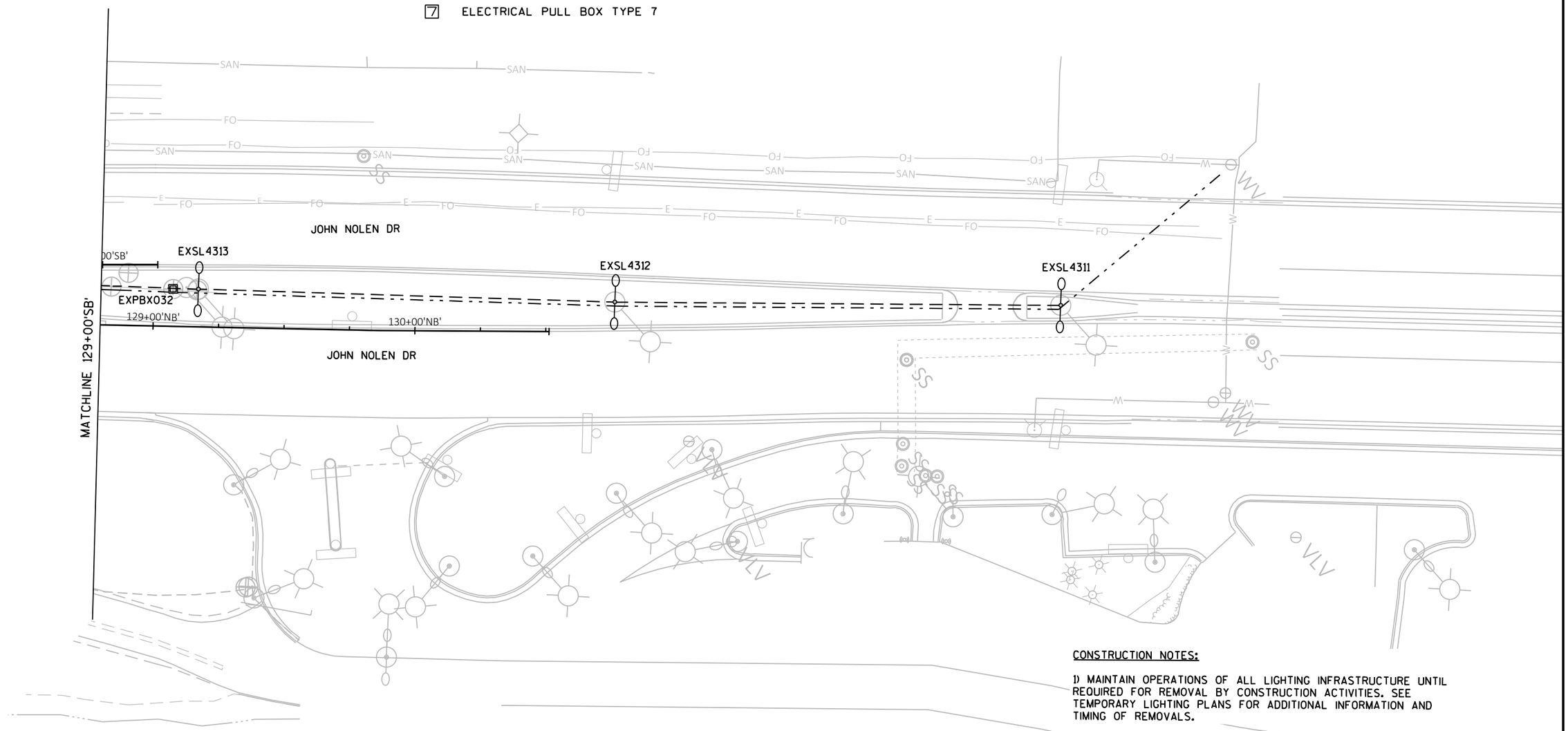
CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

2

ELECTRICAL REMOVALS PLAN LEGEND

- CONCRETE BASE AND CONTROL CABINET
- EXISTING ROADWAY LIGHTING UNIT
- EXISTING ROADWAY LIGHTING UNIT BASE ONLY
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- ELECTRICAL CONDUIT
- FIBER OPTIC CONDUIT AND CABLE
- XX' — SIGNAL HEAD, TRAFFIC SIGNAL POLE, MAST ARM, TRASNFORMER BASE
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- * BOLD INDICATES ITEMS TO BE REMOVED



CONSTRUCTION NOTES:

1) MAINTAIN OPERATIONS OF ALL LIGHTING INFRASTRUCTURE UNTIL REQUIRED FOR REMOVAL BY CONSTRUCTION ACTIVITIES. SEE TEMPORARY LIGHTING PLANS FOR ADDITIONAL INFORMATION AND TIMING OF REMOVALS.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	ELECTRICAL REMOVALS	SHEET 330	E

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING LIGHTING SYSTEM.

N

SAYLE ST.

E LAKESIDE ST

LC4448

EXSL4446

EXPBX02

EXSL4444

EXSL4442

EXSL4440

JOHN NOLEN DR

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+0

72+00'NB' EXPBX03 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+0

MATCHLINE 77+00'SB'

JOHN NOLEN DR

EXPBX01

EXSL4447

EXSL4443

CAPITOL CITY TRAIL

EXPBX04

EXSL4441

EXSL4439

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 331	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - 01

PLOT DATE : 5/22/2025 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

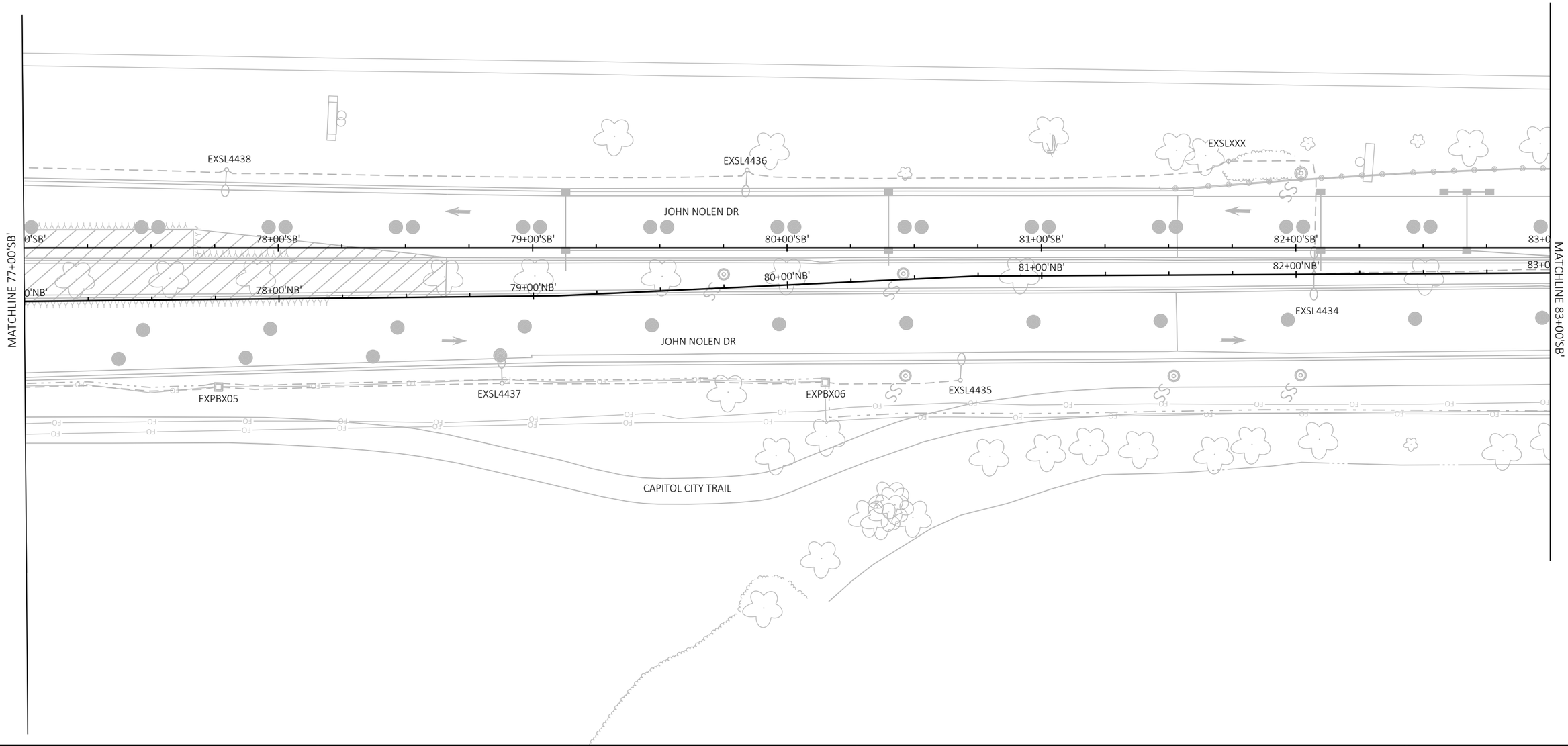
TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING LIGHTING SYSTEM.



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 332	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 4:40 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY LIGHTING PLAN LEGEND

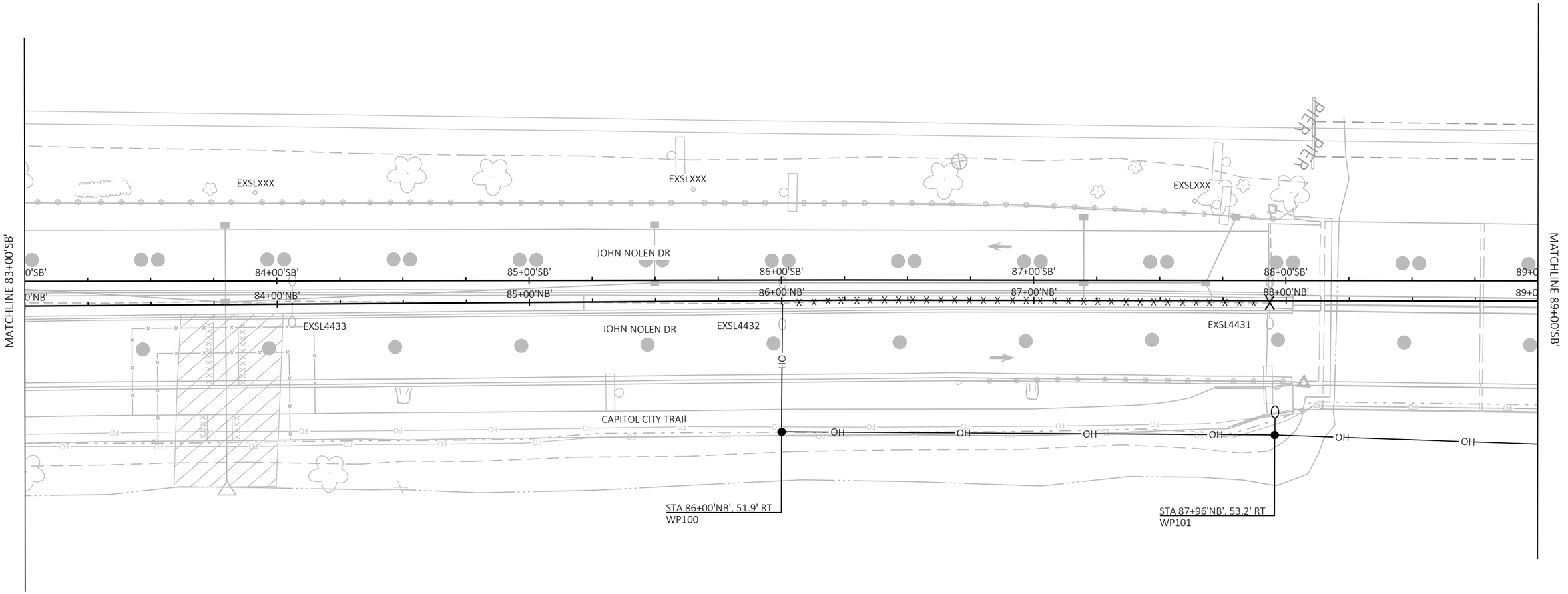
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
2 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
375 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
1 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 333	E

TEMPORARY LIGHTING PLAN LEGEND

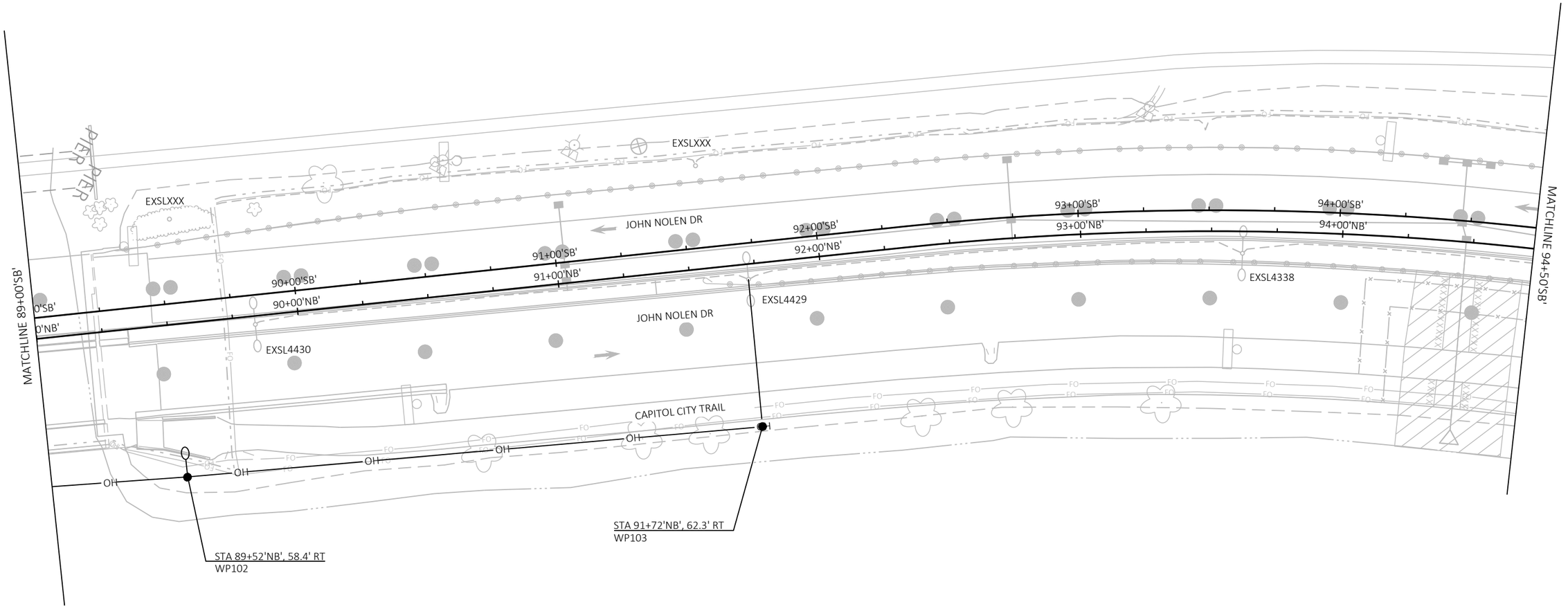
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
2 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
350 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
1 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



2

TEMPORARY LIGHTING PLAN LEGEND

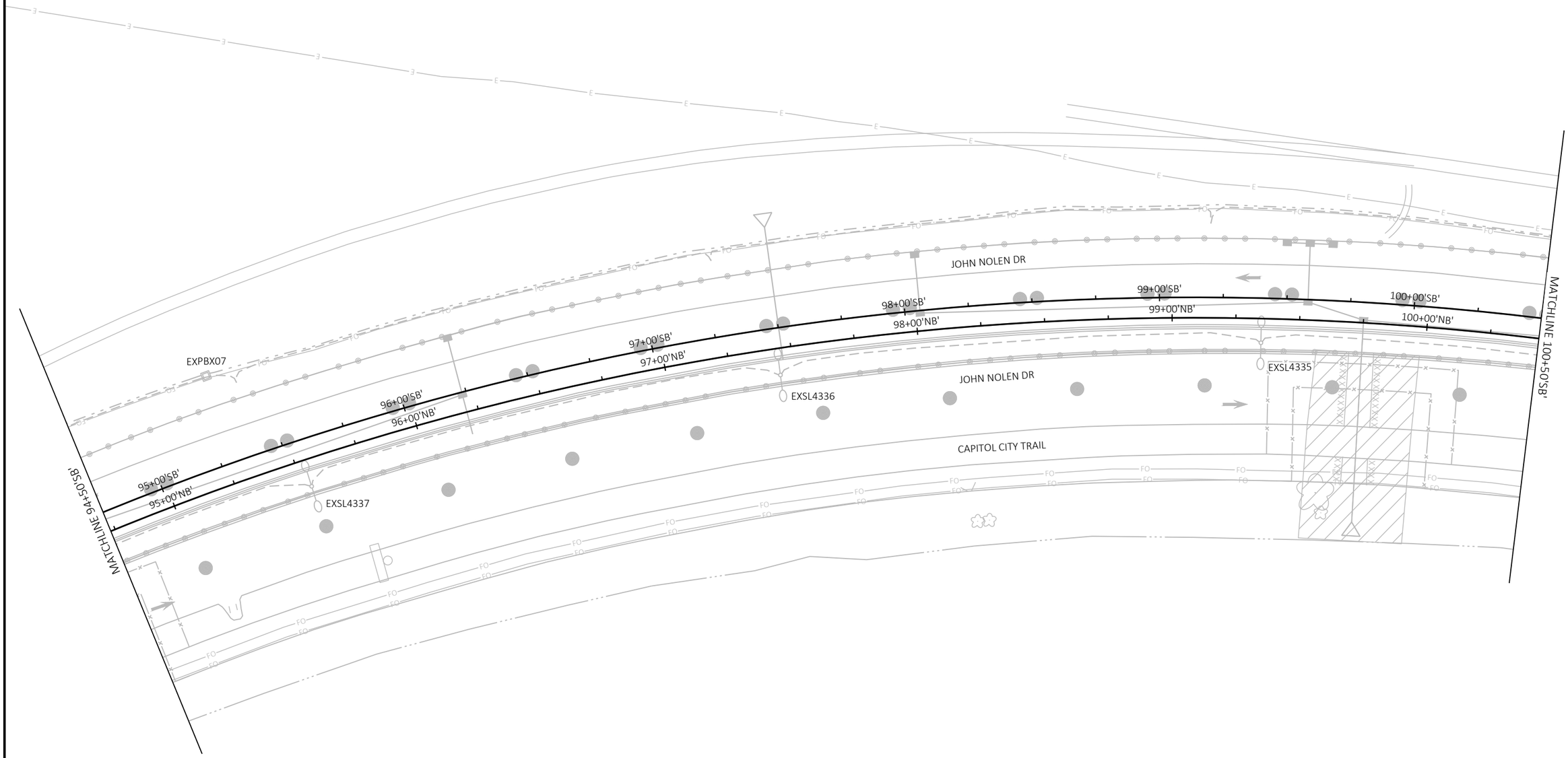
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING LIGHTING SYSTEM.

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 335	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - 05

PLOT DATE : 5/22/2025 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

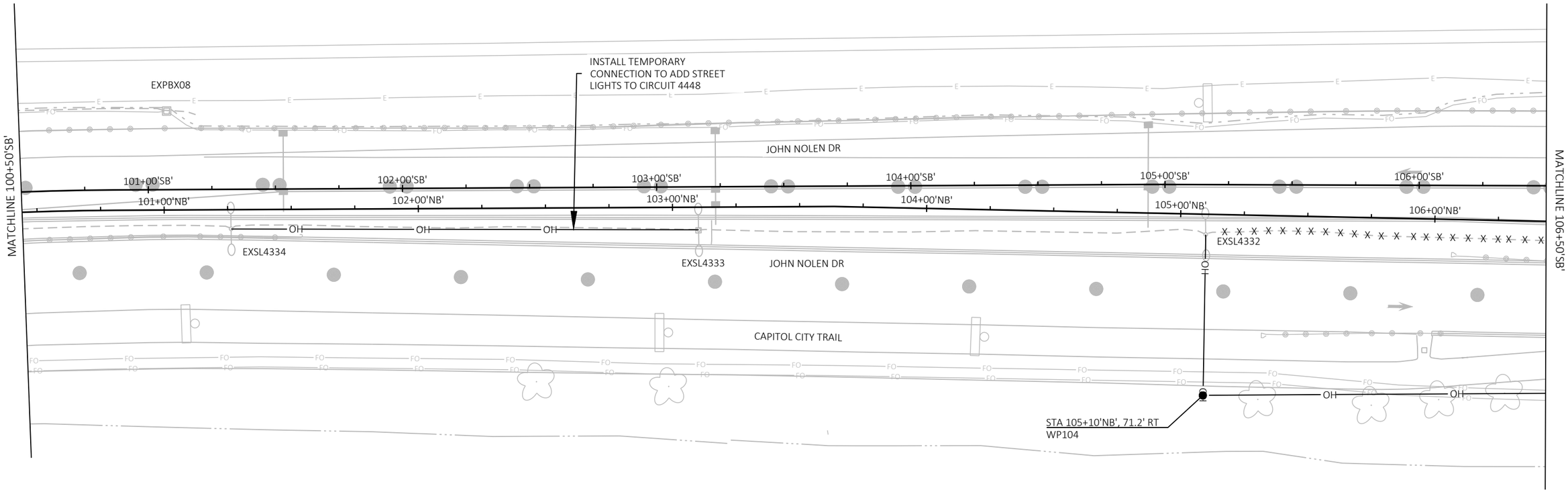
1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRE ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING LIGHTING SYSTEM.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
200 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
0 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339

N



TEMPORARY LIGHTING PLAN LEGEND

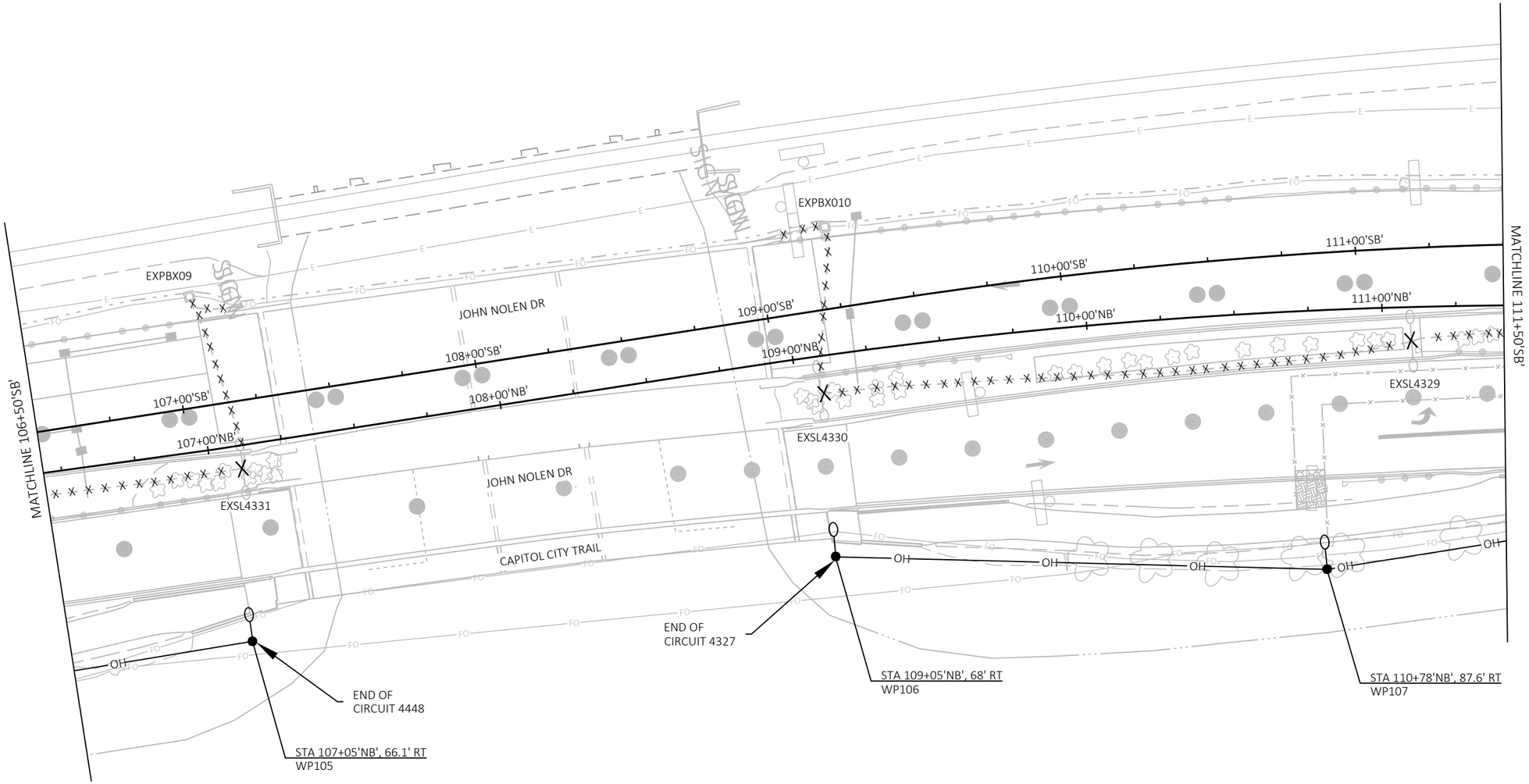
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
300 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

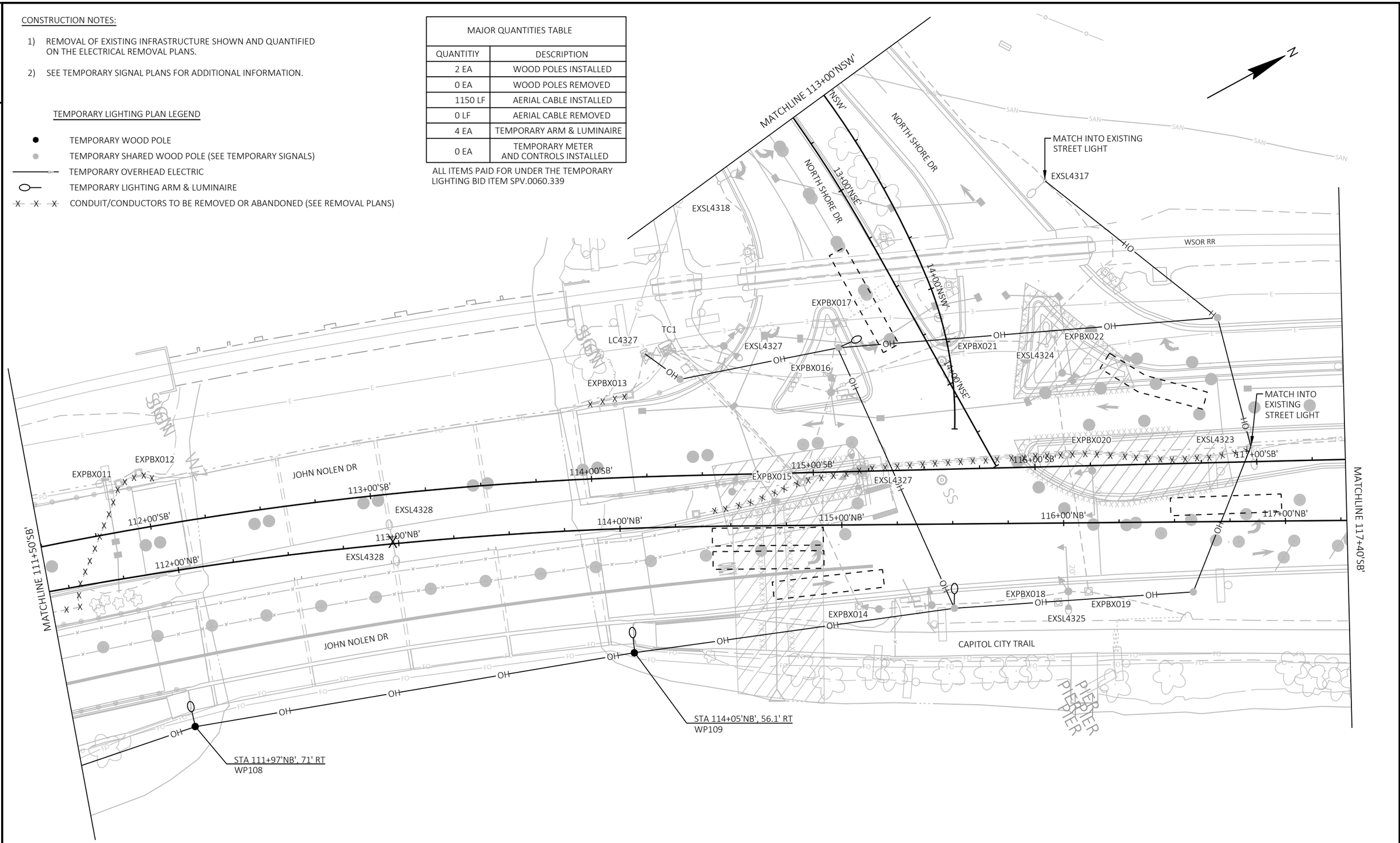
2) SEE TEMPORARY SIGNAL PLANS FOR ADDITIONAL INFORMATION.

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
2 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
1150 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
4 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

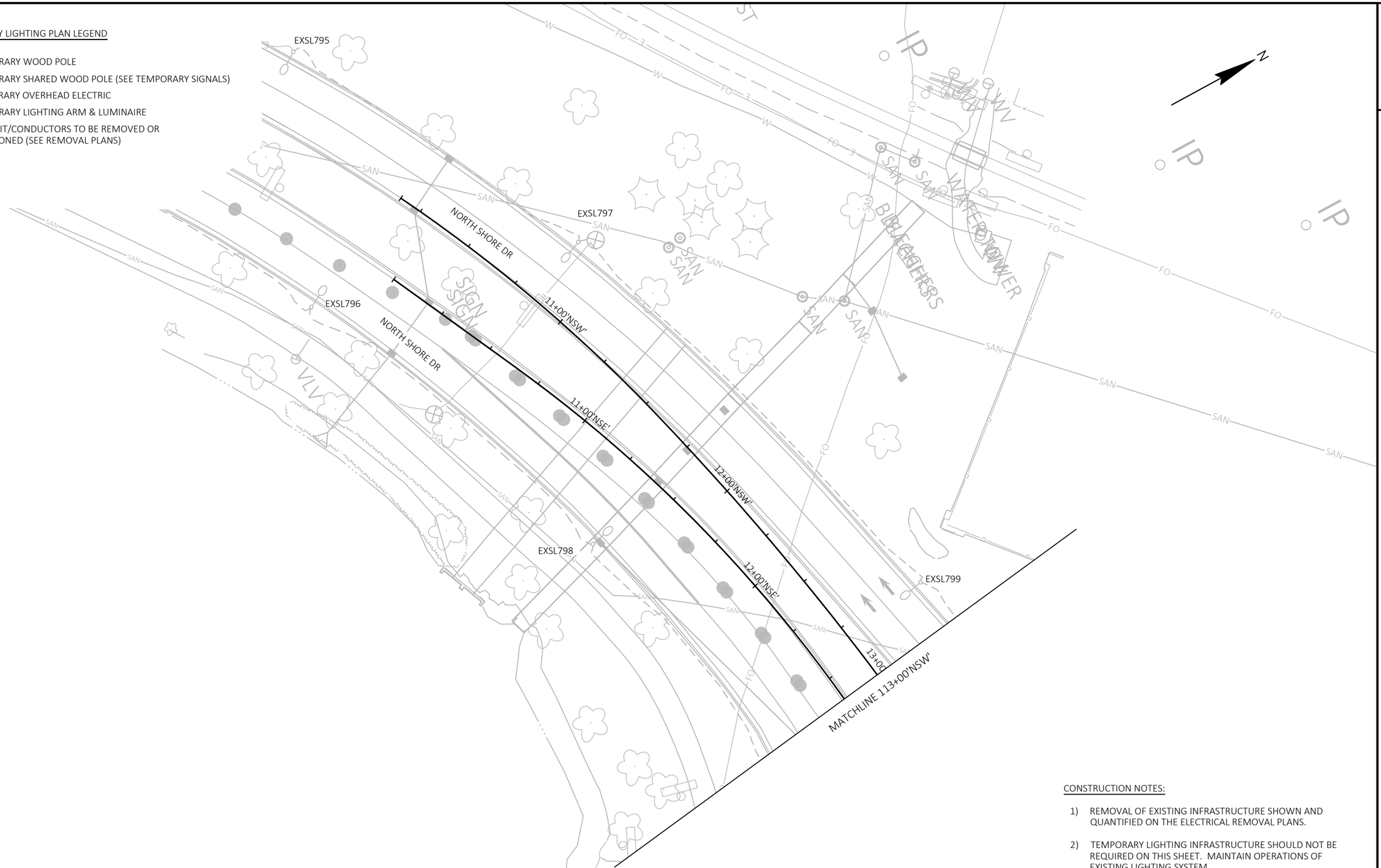
ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



2

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)



CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) TEMPORARY LIGHTING INFRASTRUCTURE SHOULD NOT BE REQUIRED ON THIS SHEET. MAINTAIN OPERATIONS OF EXISTING LIGHTING SYSTEM.

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 339	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - North Shore Dr (2)
PLOT DATE : 5/22/2025 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

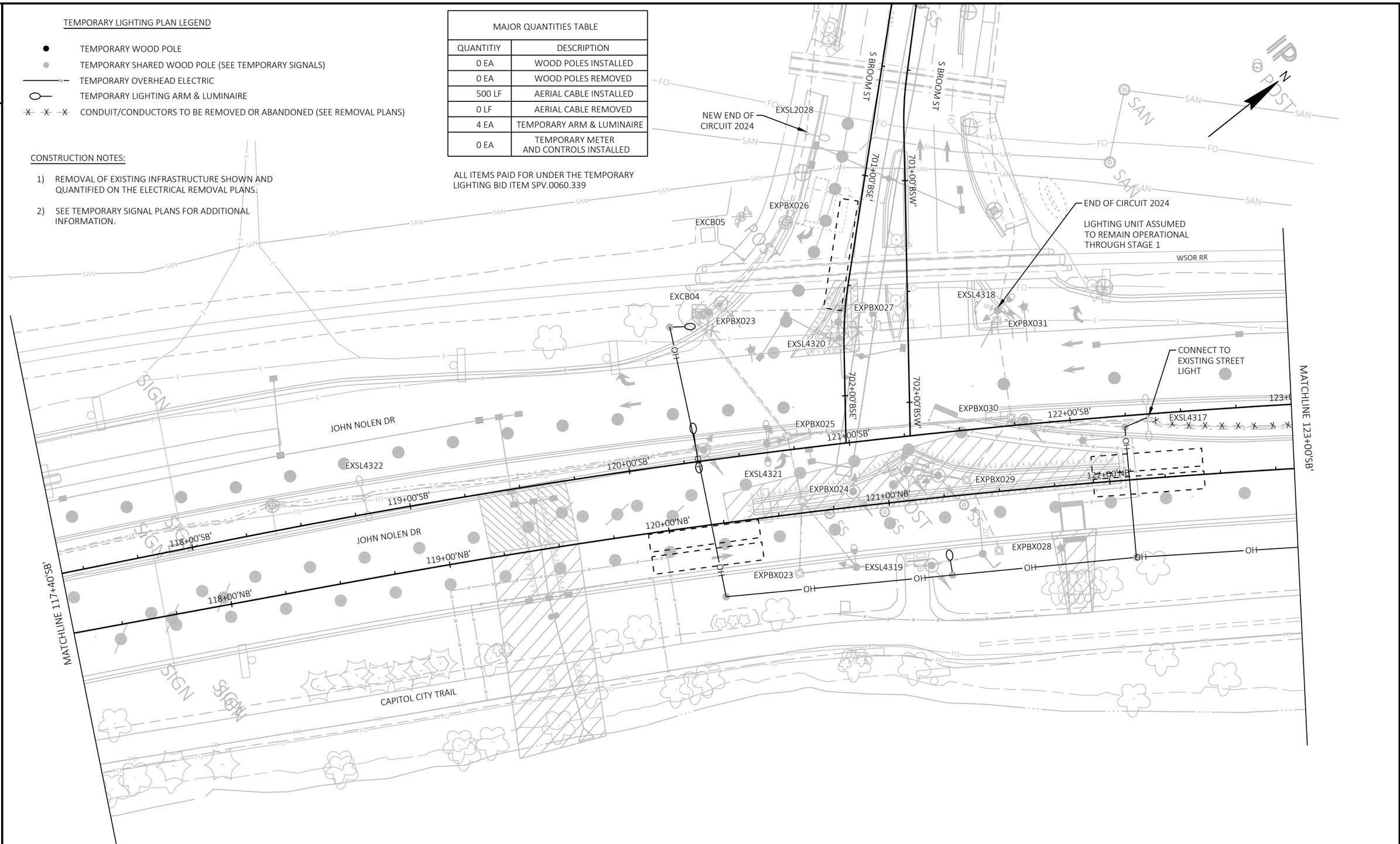
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2) SEE TEMPORARY SIGNAL PLANS FOR ADDITIONAL INFORMATION.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
500 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
4 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 340	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - Broom St

PLOT DATE : 5/22/2025 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY LIGHTING PLAN LEGEND

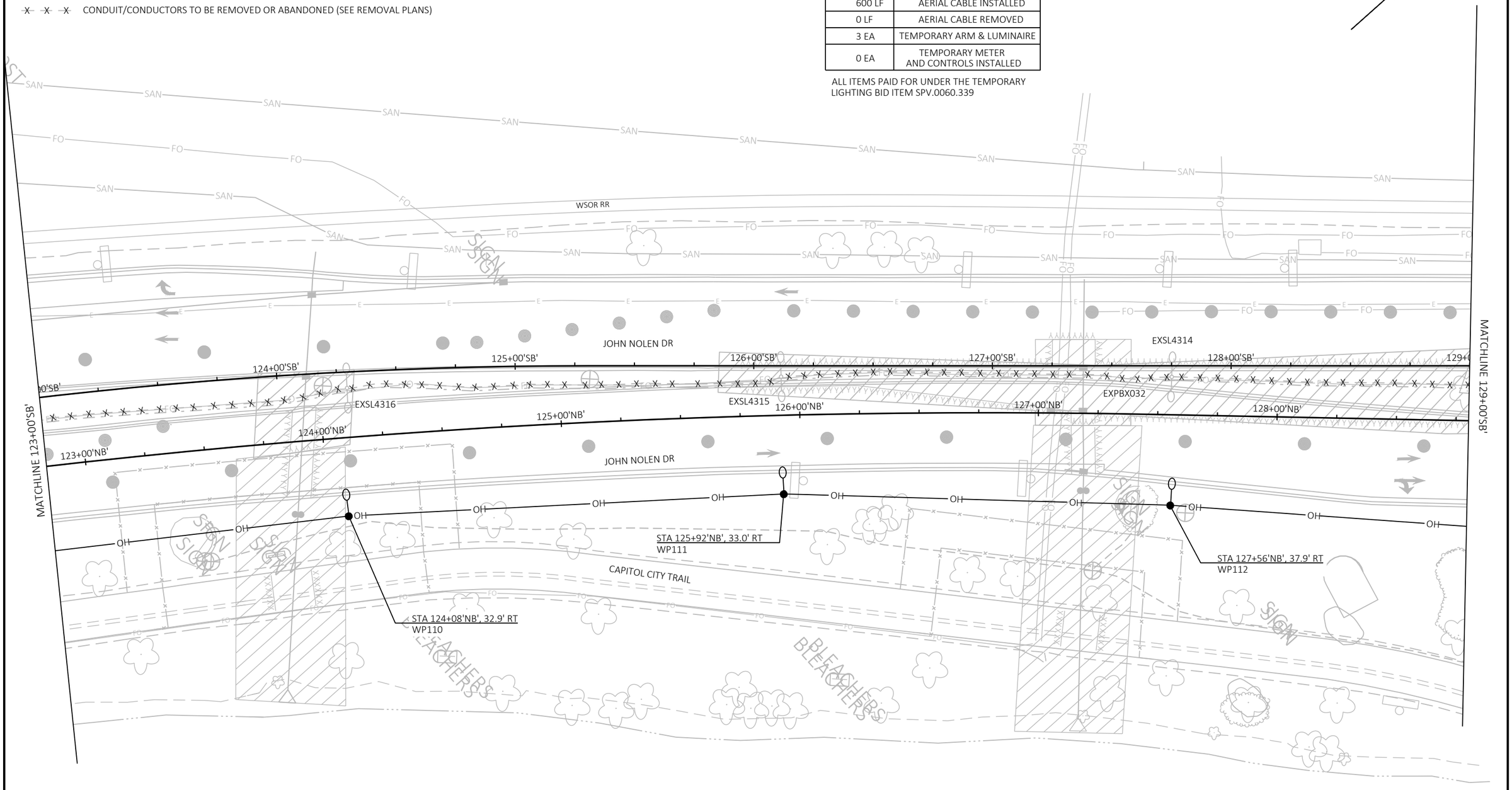
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
600 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



2

TEMPORARY LIGHTING PLAN LEGEND

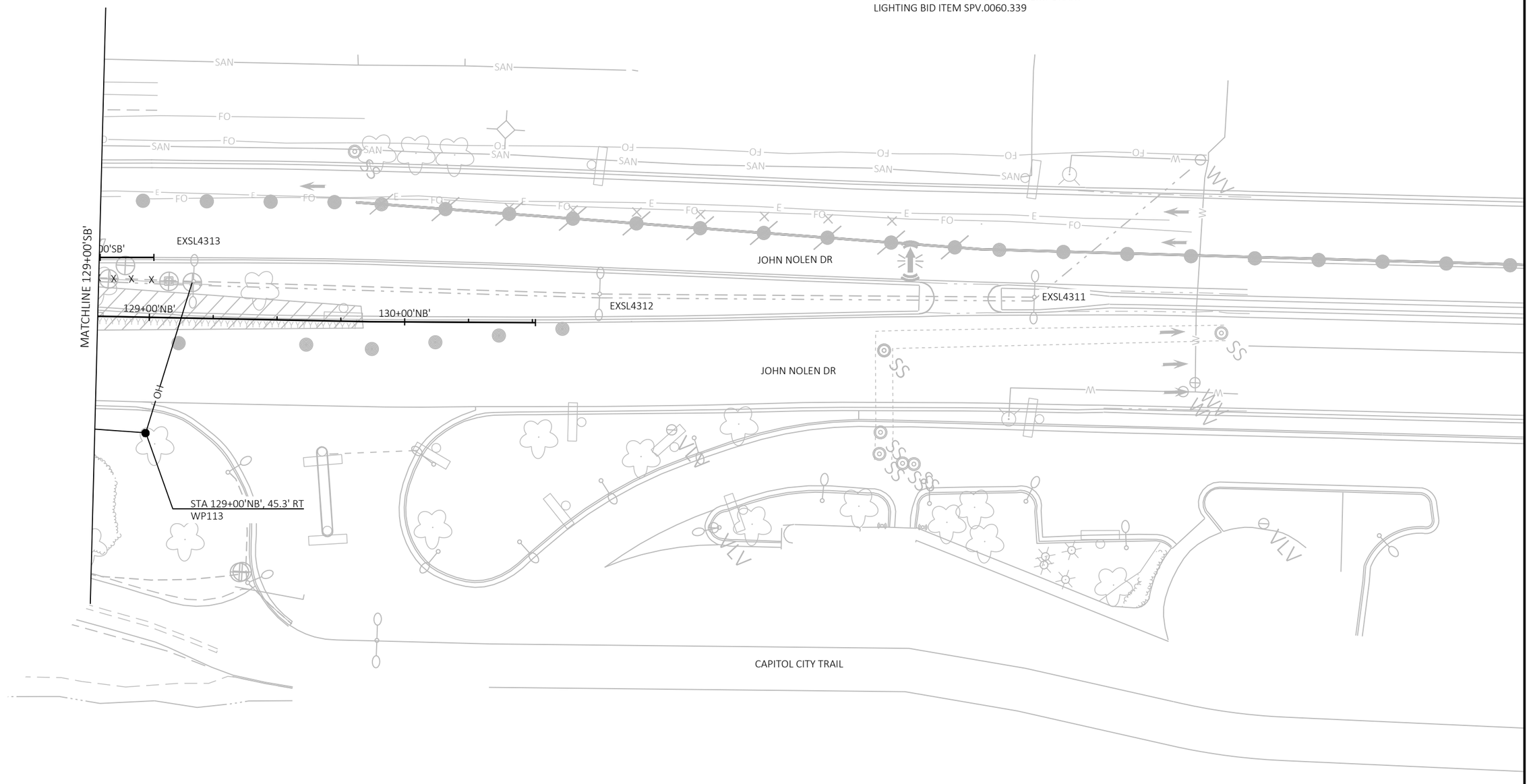
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
100 LF	AERIAL CABLE INSTALLED
50 LF	AERIAL CABLE REMOVED
0 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 1 - 2B	SHEET 342	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 1.DWG
LAYOUT NAME - 11

PLOT DATE : 5/22/2025 4:41 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

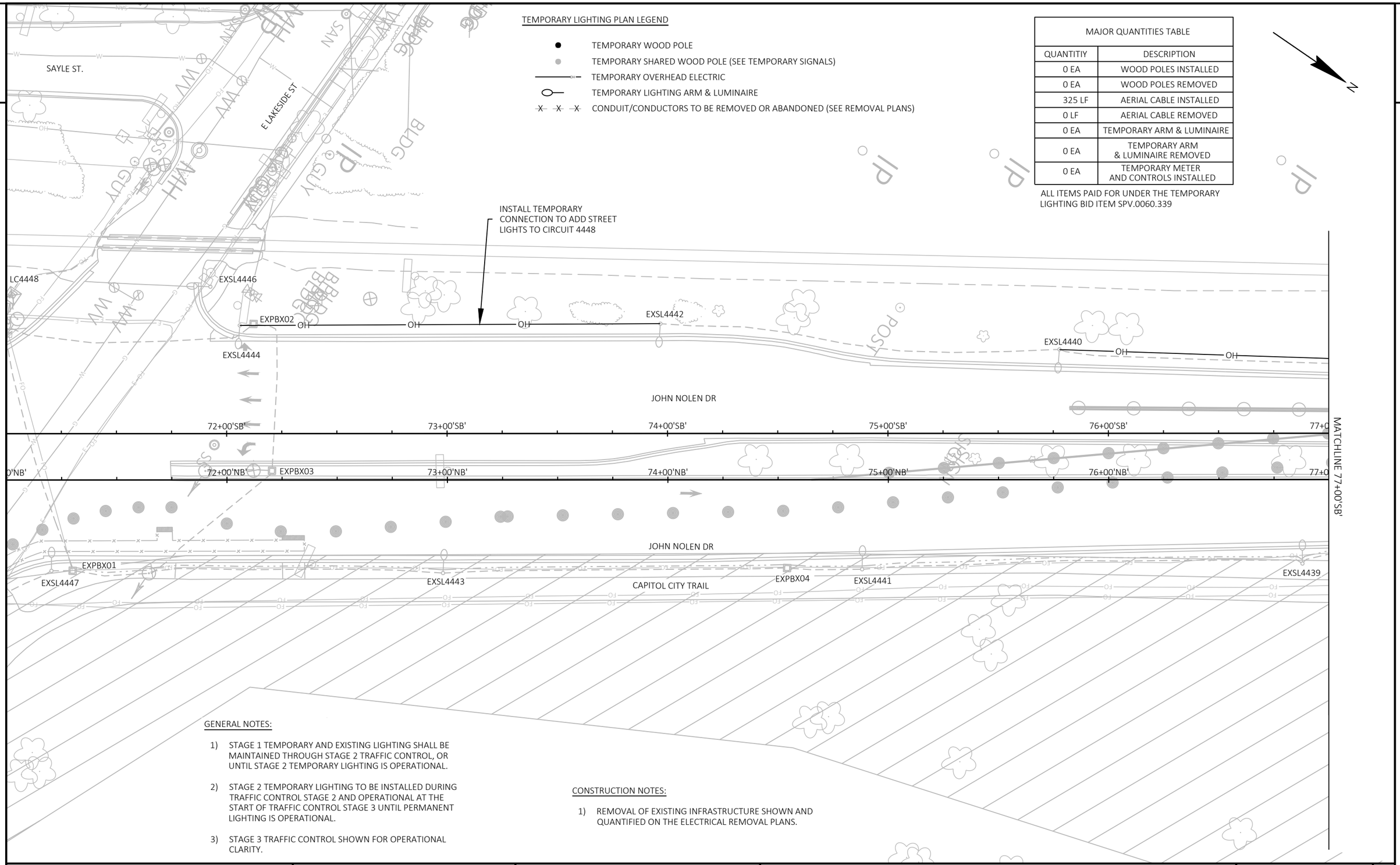
2

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
325 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
0 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



GENERAL NOTES:

1) STAGE 1 TEMPORARY AND EXISTING LIGHTING SHALL BE MAINTAINED THROUGH STAGE 2 TRAFFIC CONTROL, OR UNTIL STAGE 2 TEMPORARY LIGHTING IS OPERATIONAL.

2) STAGE 2 TEMPORARY LIGHTING TO BE INSTALLED DURING TRAFFIC CONTROL STAGE 2 AND OPERATIONAL AT THE START OF TRAFFIC CONTROL STAGE 3 UNTIL PERMANENT LIGHTING IS OPERATIONAL.

3) STAGE 3 TRAFFIC CONTROL SHOWN FOR OPERATIONAL CLARITY.

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

2

TEMPORARY LIGHTING PLAN LEGEND

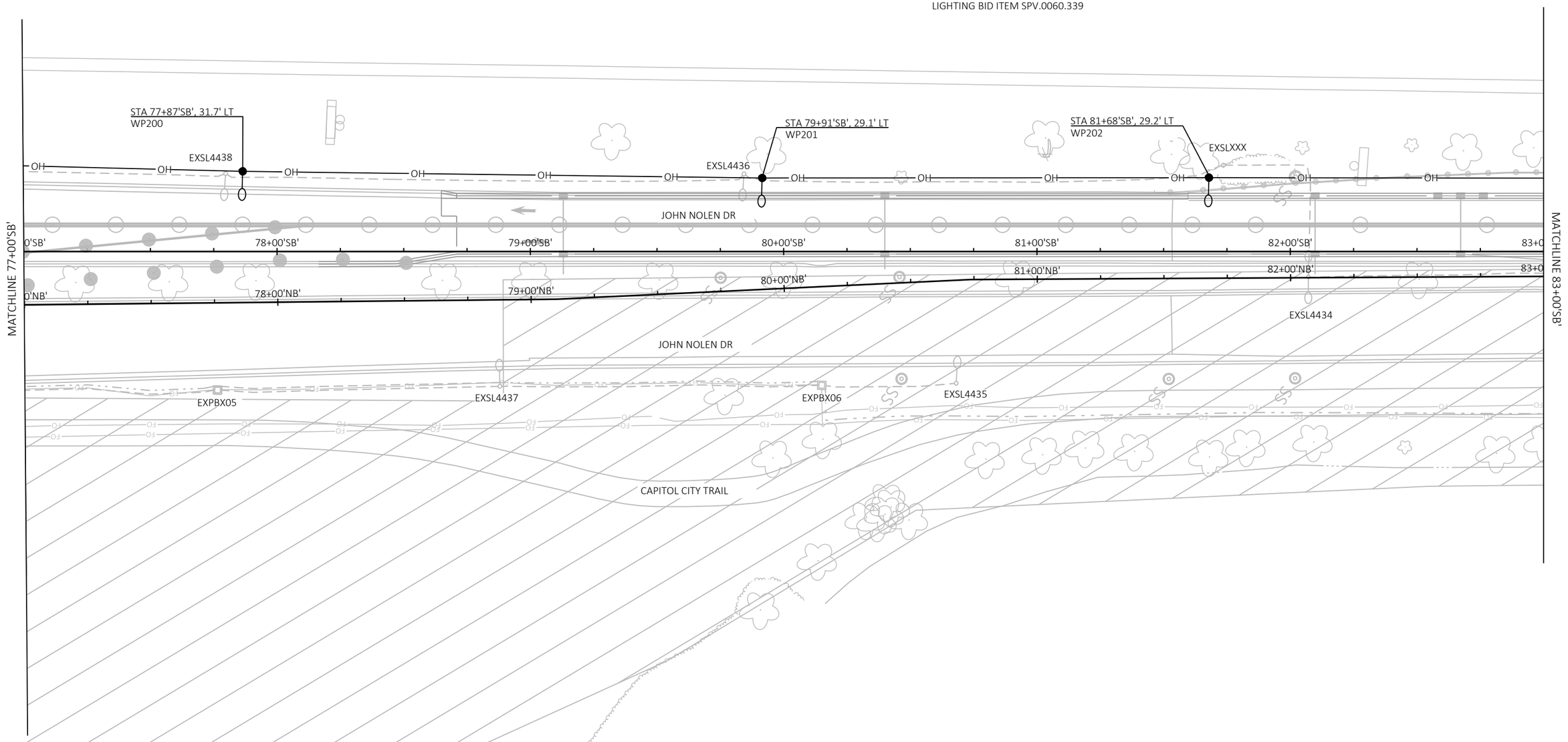
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
600 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 344	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 2.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 4:03 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY LIGHTING PLAN LEGEND

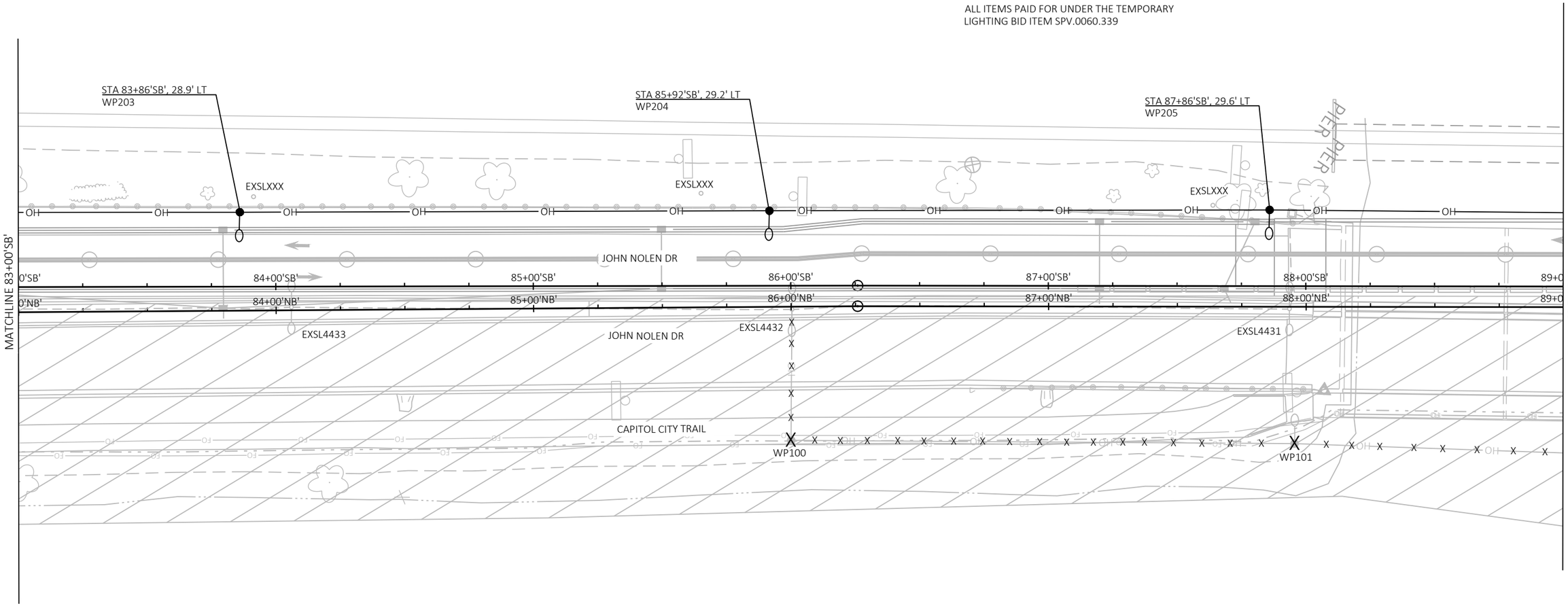
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
2 EA	WOOD POLES REMOVED
625 LF	AERIAL CABLE INSTALLED
320 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
1 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 345	E

TEMPORARY LIGHTING PLAN LEGEND

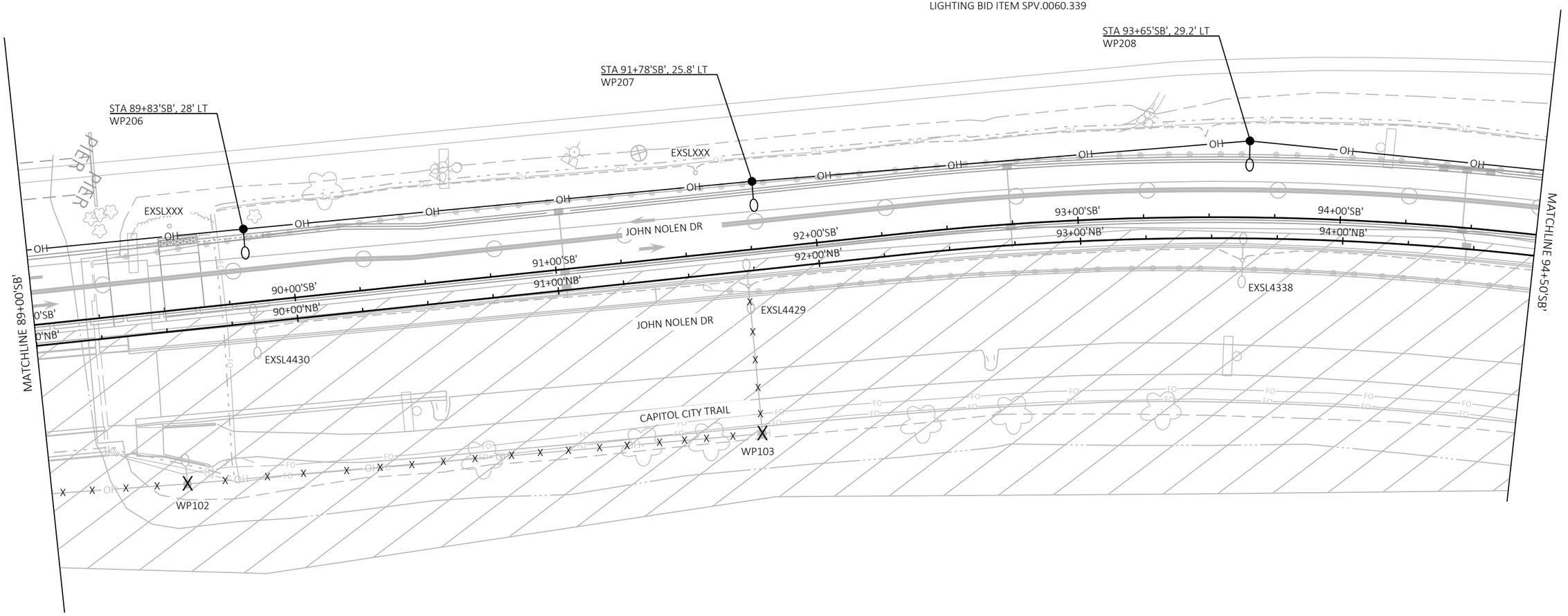
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
2 EA	WOOD POLES REMOVED
600 LF	AERIAL CABLE INSTALLED
325 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
1 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

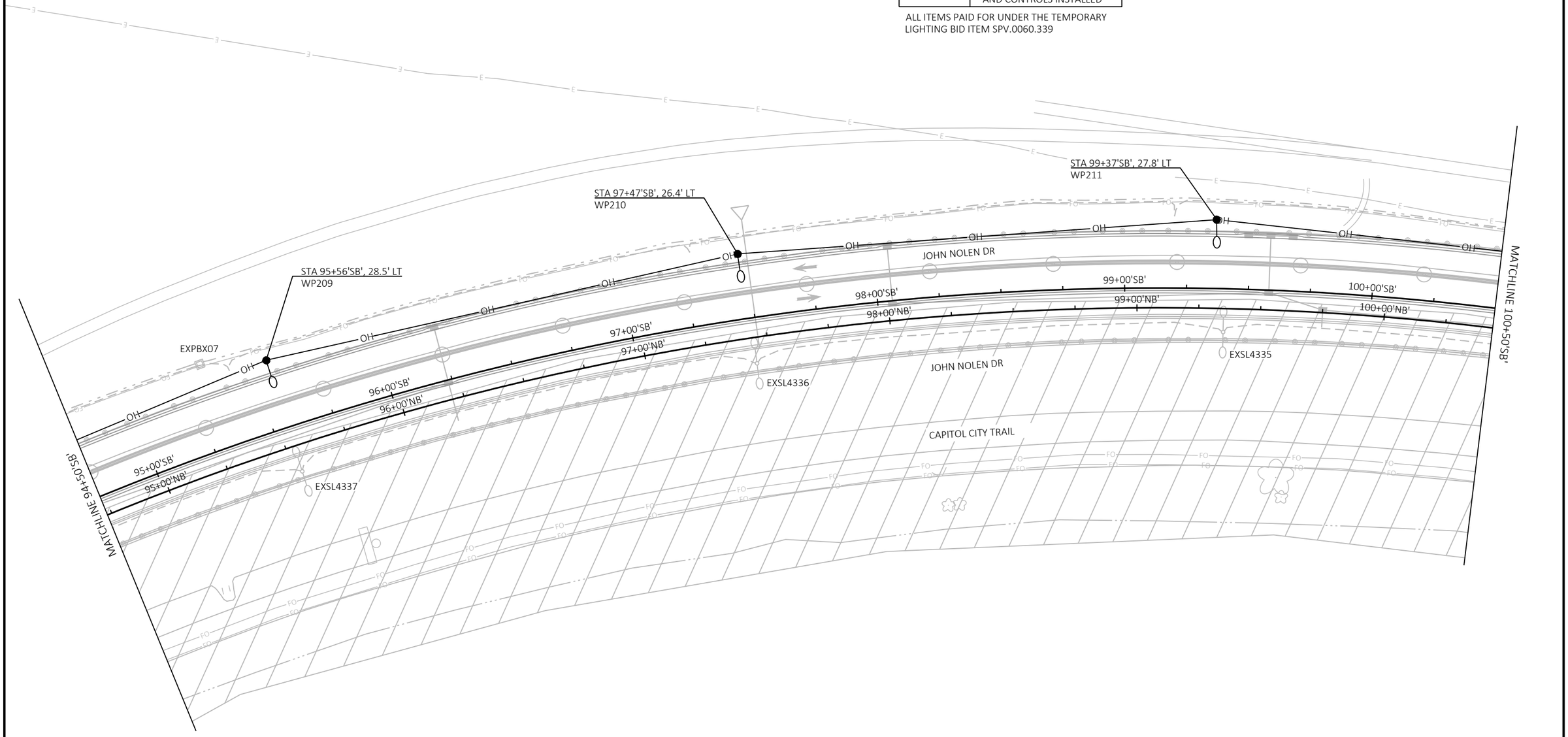
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
600 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 347	E

2

TEMPORARY LIGHTING PLAN LEGEND

- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

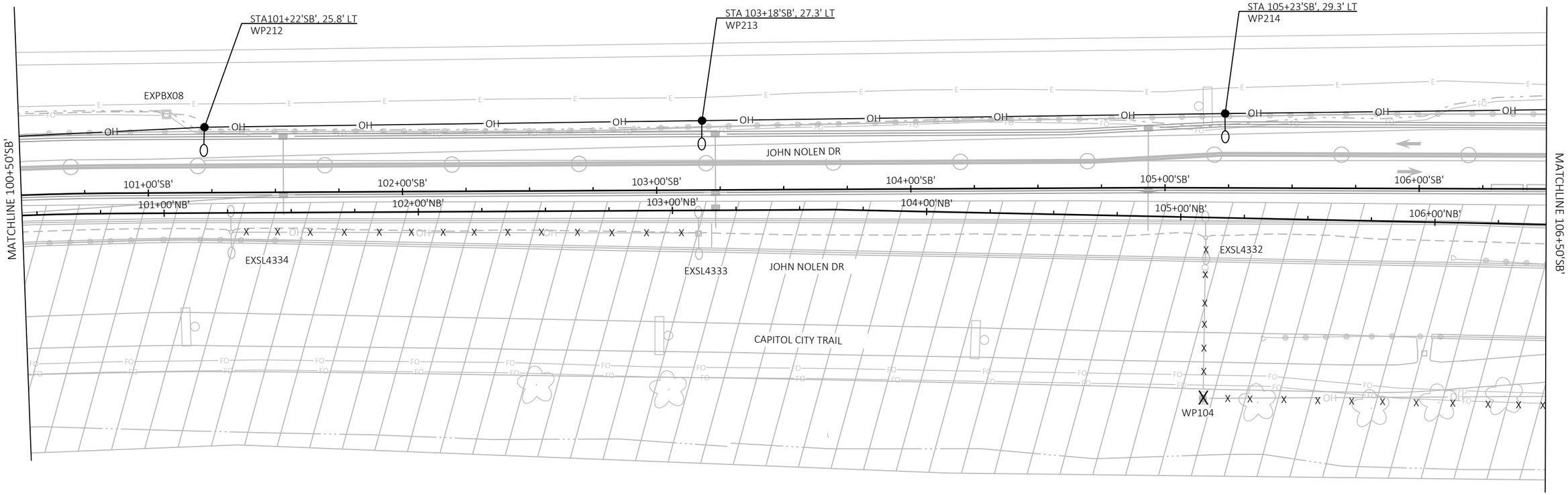
CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
1 EA	WOOD POLES REMOVED
600 LF	AERIAL CABLE INSTALLED
400 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 348	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 2.DWG
LAYOUT NAME - 06

PLOT DATE : 5/22/2025 4:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TEMPORARY LIGHTING PLAN LEGEND

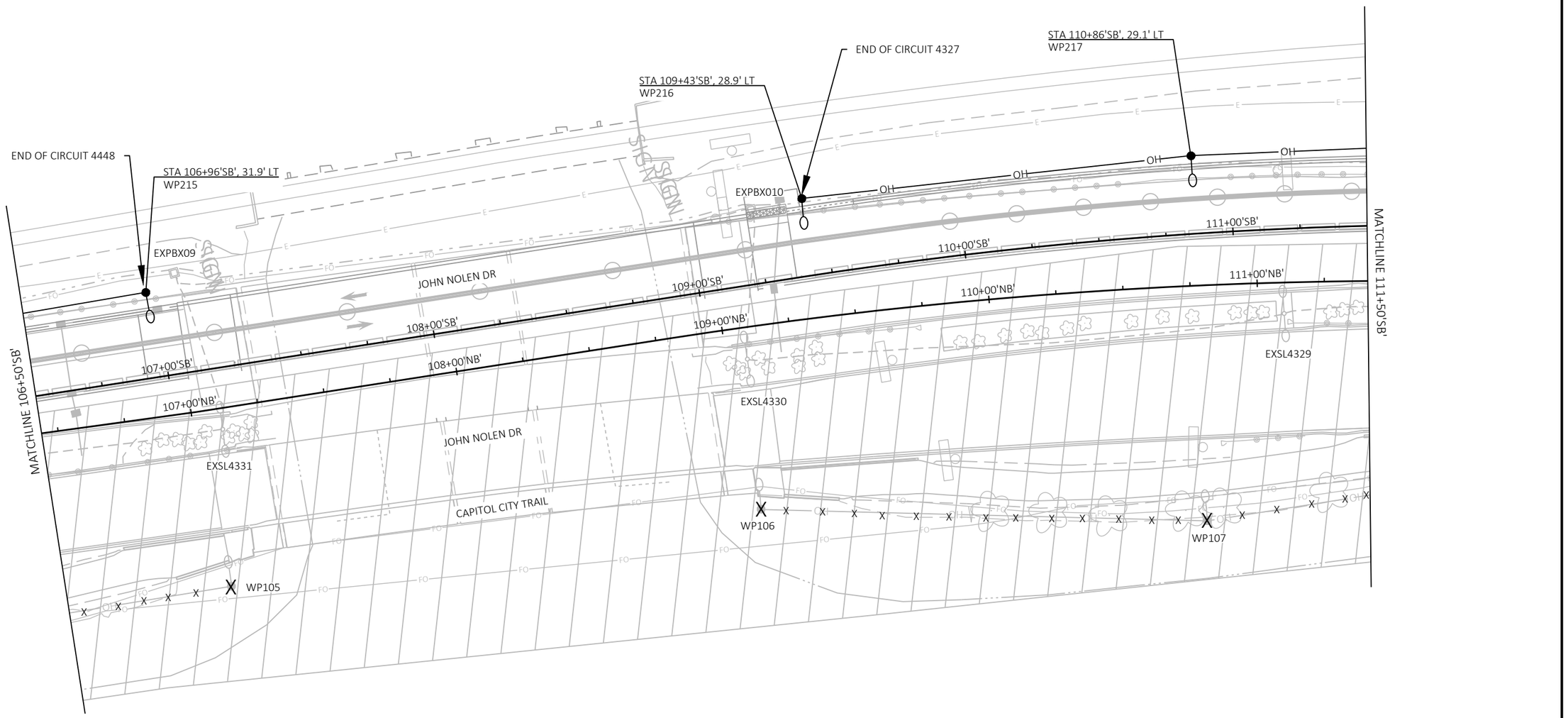
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
3 EA	WOOD POLES REMOVED
275 LF	AERIAL CABLE INSTALLED
250 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
2 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



TEMPORARY LIGHTING PLAN LEGEND

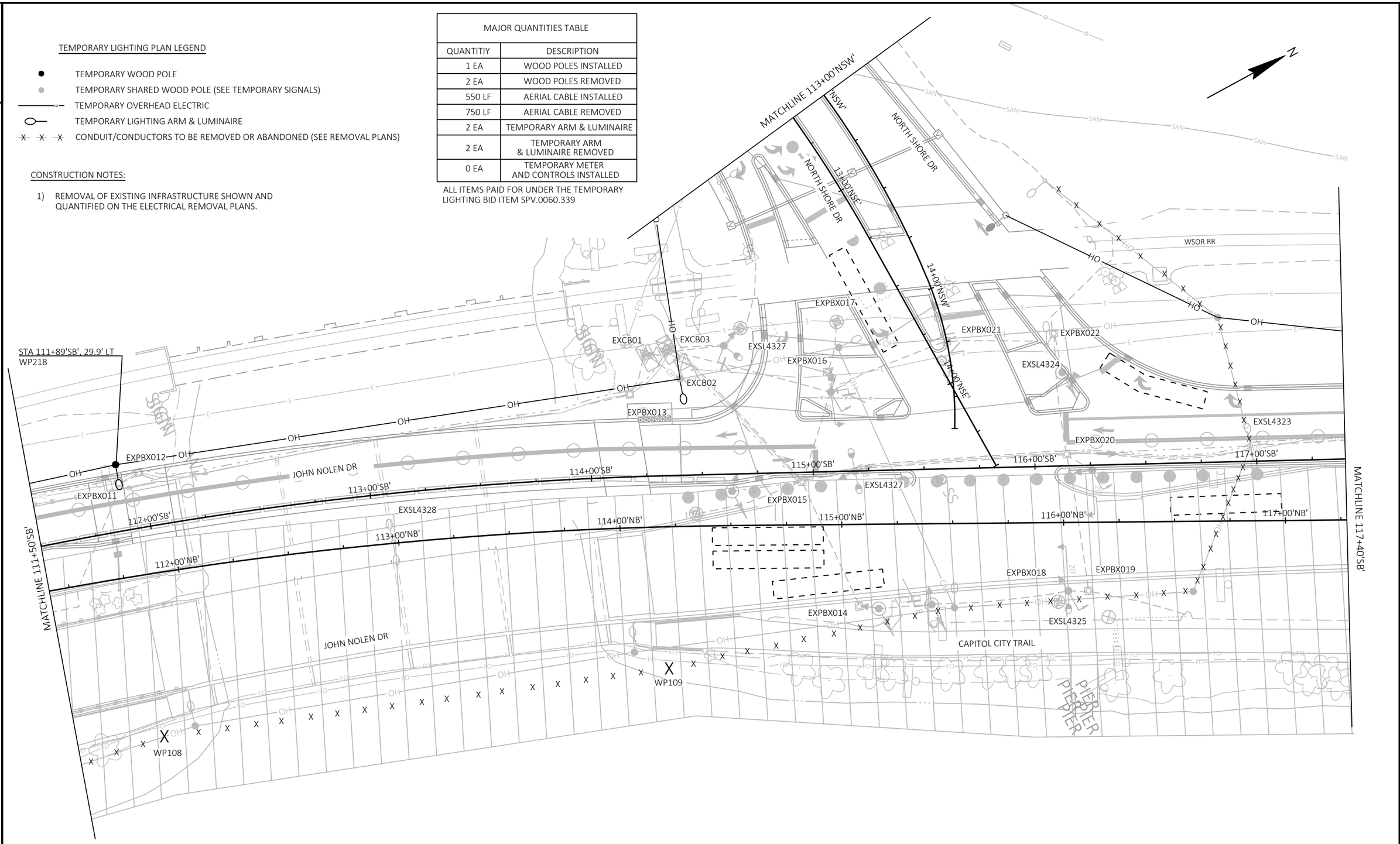
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
2 EA	WOOD POLES REMOVED
550 LF	AERIAL CABLE INSTALLED
750 LF	AERIAL CABLE REMOVED
2 EA	TEMPORARY ARM & LUMINAIRE
2 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 350	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 2.DWG
LAYOUT NAME - North Shore Dr

PLOT DATE : 5/22/2025 4:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY LIGHTING PLAN LEGEND

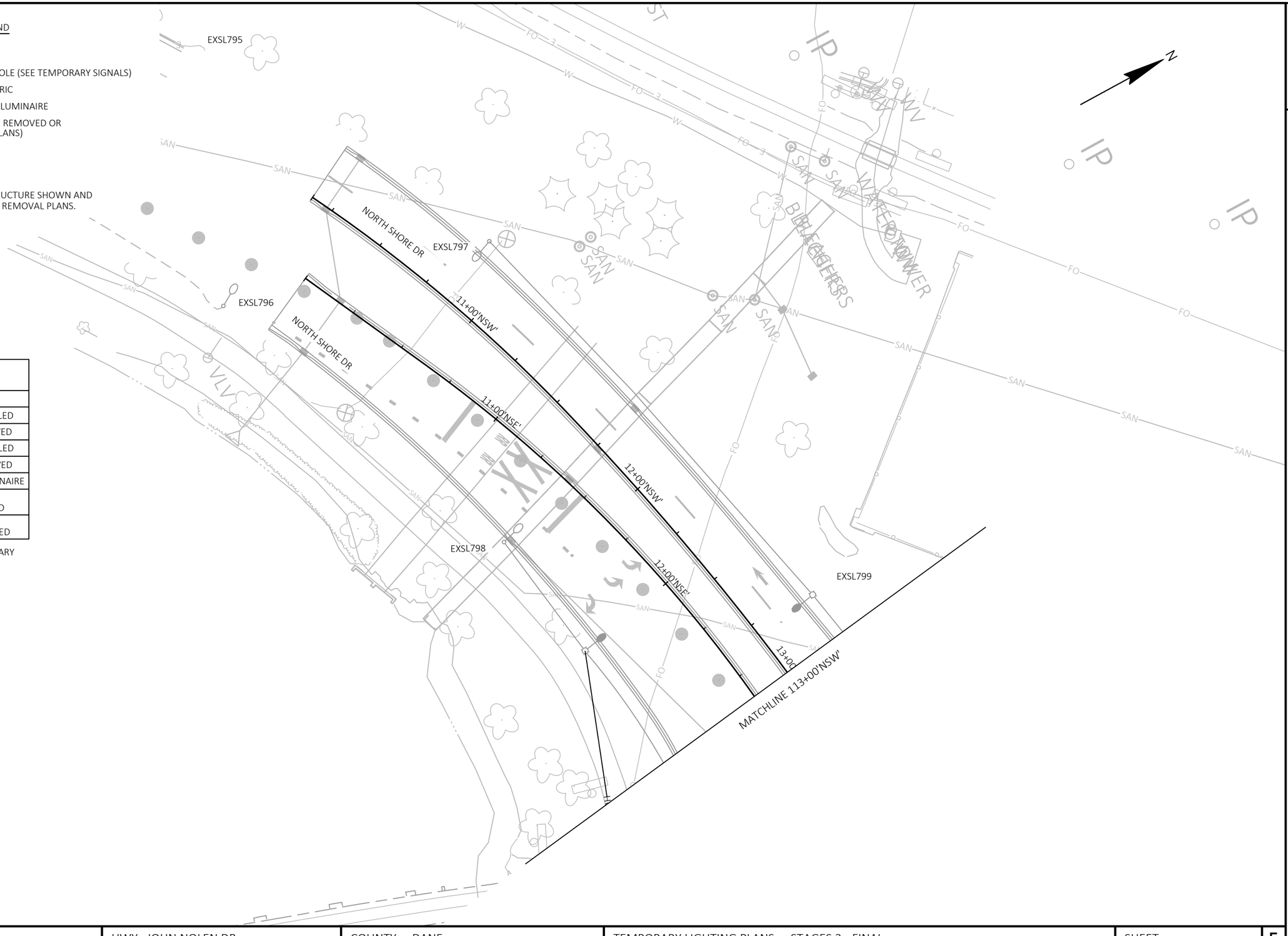
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
0 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
75 LF	AERIAL CABLE INSTALLED
0 LF	AERIAL CABLE REMOVED
0 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



2

TEMPORARY LIGHTING PLAN LEGEND

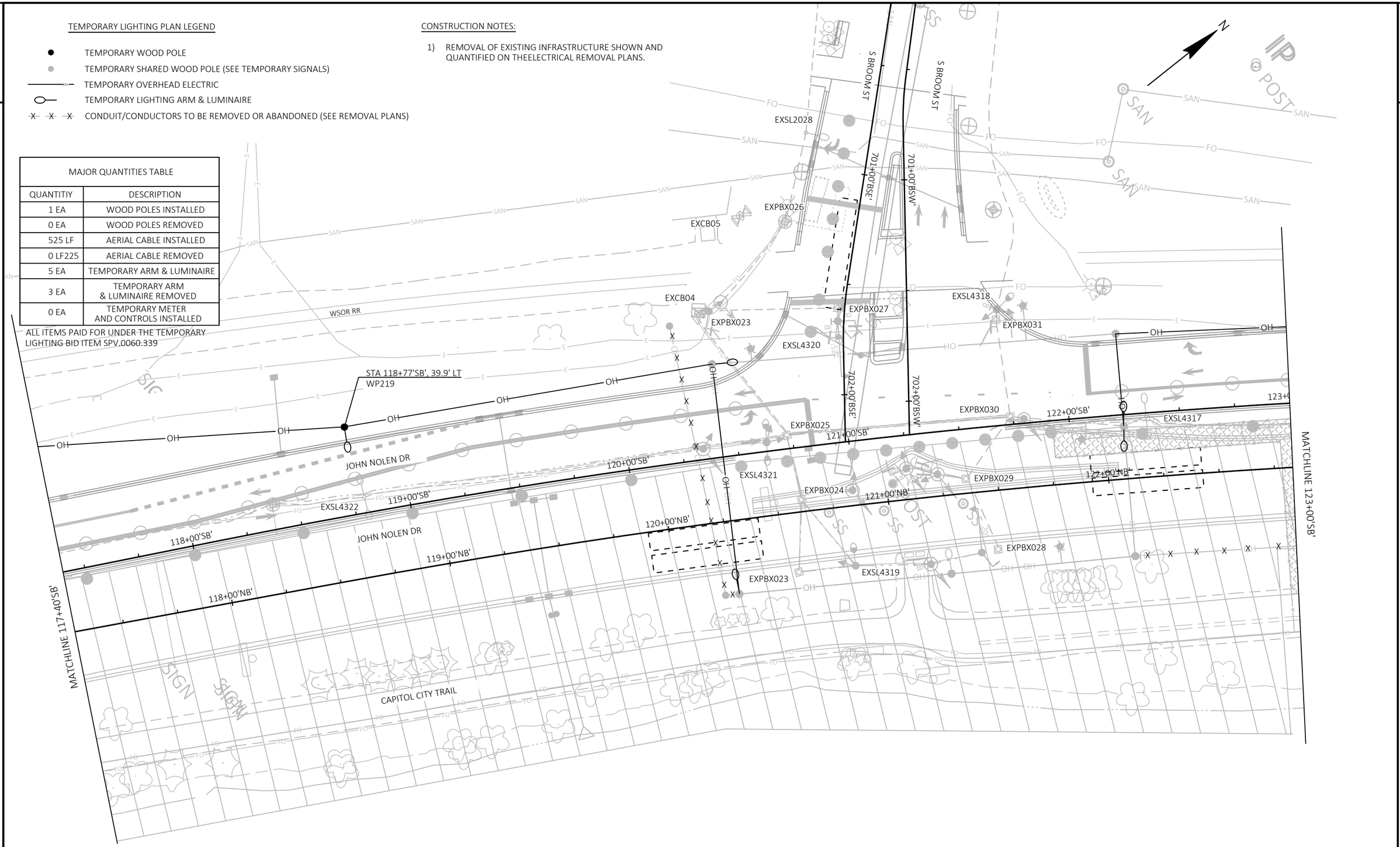
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- X X X CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THEELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
0 EA	WOOD POLES REMOVED
525 LF	AERIAL CABLE INSTALLED
0 LF225	AERIAL CABLE REMOVED
5 EA	TEMPORARY ARM & LUMINAIRE
3 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 352	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023501-LT-STAGE 2.DWG
LAYOUT NAME - Broom St
PLOT DATE : 5/22/2025 4:04 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY LIGHTING PLAN LEGEND

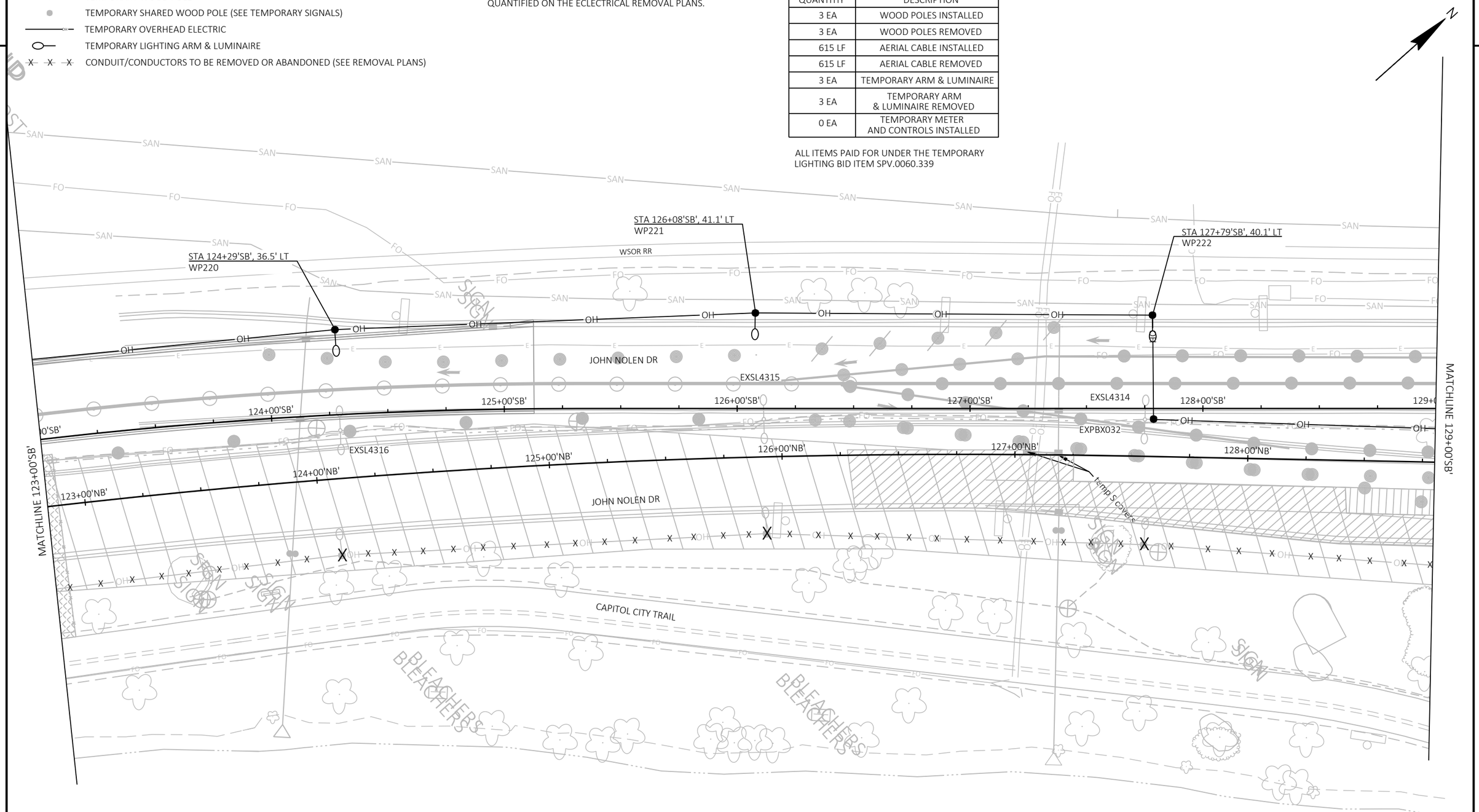
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ECLECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
3 EA	WOOD POLES INSTALLED
3 EA	WOOD POLES REMOVED
615 LF	AERIAL CABLE INSTALLED
615 LF	AERIAL CABLE REMOVED
3 EA	TEMPORARY ARM & LUMINAIRE
3 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	TEMPORARY LIGHTING PLANS - STAGES 3 - FINAL	SHEET 353	E

TEMPORARY LIGHTING PLAN LEGEND

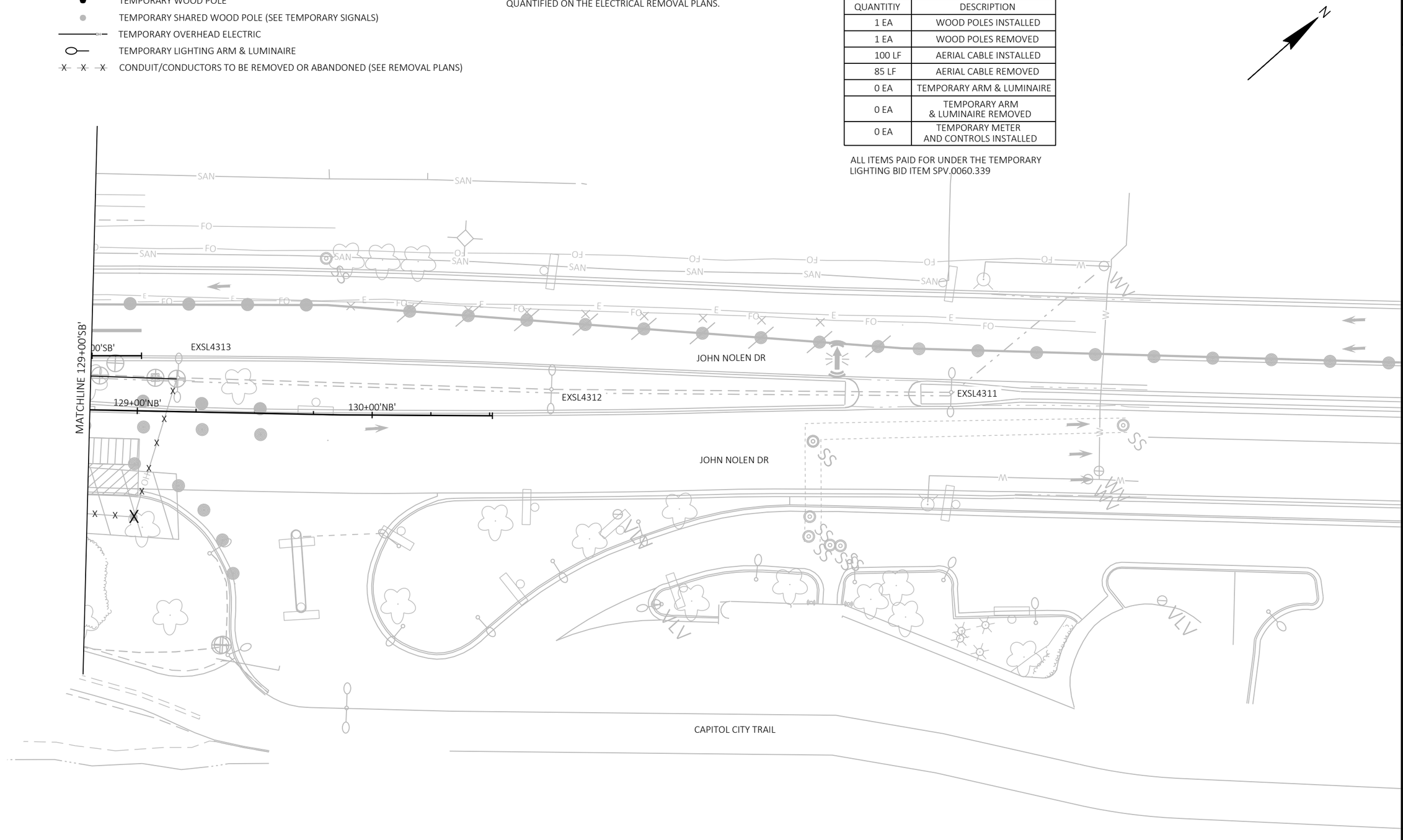
- TEMPORARY WOOD POLE
- TEMPORARY SHARED WOOD POLE (SEE TEMPORARY SIGNALS)
- TEMPORARY OVERHEAD ELECTRIC
- TEMPORARY LIGHTING ARM & LUMINAIRE
- CONDUIT/CONDUCTORS TO BE REMOVED OR ABANDONED (SEE REMOVAL PLANS)

CONSTRUCTION NOTES:

1) REMOVAL OF EXISTING INFRASTRUCTURE SHOWN AND QUANTIFIED ON THE ELECTRICAL REMOVAL PLANS.

MAJOR QUANTITIES TABLE	
QUANTITIY	DESCRIPTION
1 EA	WOOD POLES INSTALLED
1 EA	WOOD POLES REMOVED
100 LF	AERIAL CABLE INSTALLED
85 LF	AERIAL CABLE REMOVED
0 EA	TEMPORARY ARM & LUMINAIRE
0 EA	TEMPORARY ARM & LUMINAIRE REMOVED
0 EA	TEMPORARY METER AND CONTROLS INSTALLED

ALL ITEMS PAID FOR UNDER THE TEMPORARY LIGHTING BID ITEM SPV.0060.339



LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

XXX+XX'XX' - XX.X' XT (STATION, OFFSET)
SLXXX - X (CONCRETE BASE TYPE, LIGHTING UNIT NUMBER)

E LAKESIDE ST

JOHN NOLEN DR

STA 73+25 'NB', 4.1' LT
SL100-LB3

STA 75+24 'NB', 9.2' LT
SL101-LB3

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+00'SB'

72+00'NB' 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+00'NB'

MATCHLINE 77+00'SB'

COORDINATE WITH CITY TE SHOP 266-4767 PRIOR TO INSTALLING
NEW CONDUIT IN TO EXISTING ELECTRICAL PULL BOX.

JOHN NOLEN DR

HH44

HH43

CAPITOL CITY TRAIL

STA 72+65 'NB', 45.2' RT
SL200-LB2

STA 73+52 'NB', 45.8' RT
SL201-LB2

STA 74+48 'NB', 59.1' RT
SL202-LB2

STA 75+27 'NB', 80.3' RT
SL203-LB2

STA 76+31 'NB', 64.9' RT
SL204-LB2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

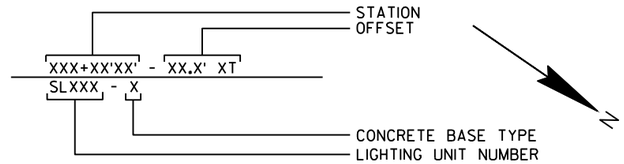
4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

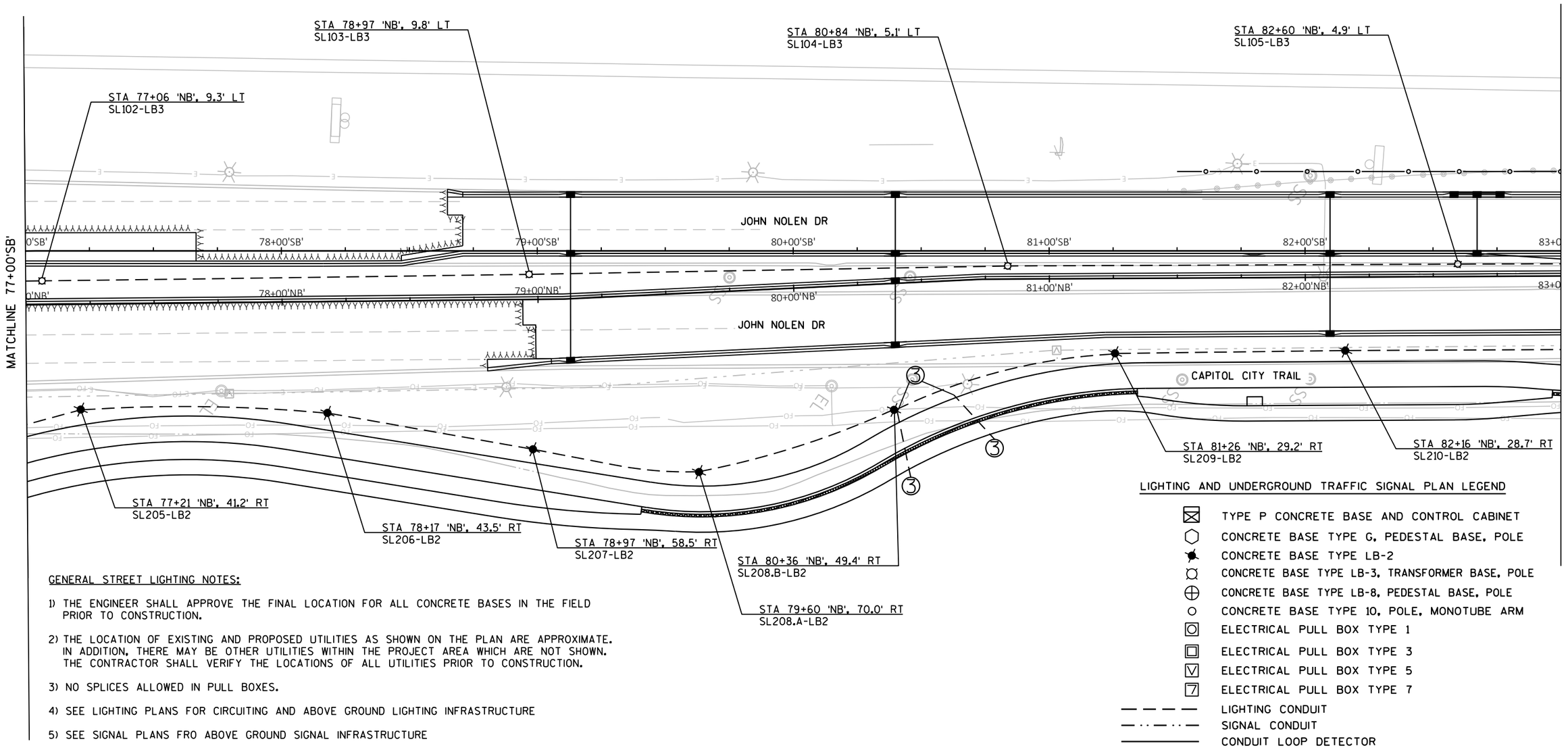
5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

2

KEYED NOTES

③ STUB AND CAP CONDUIT FOR FUTURE USE





LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

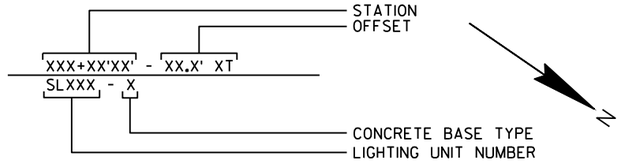
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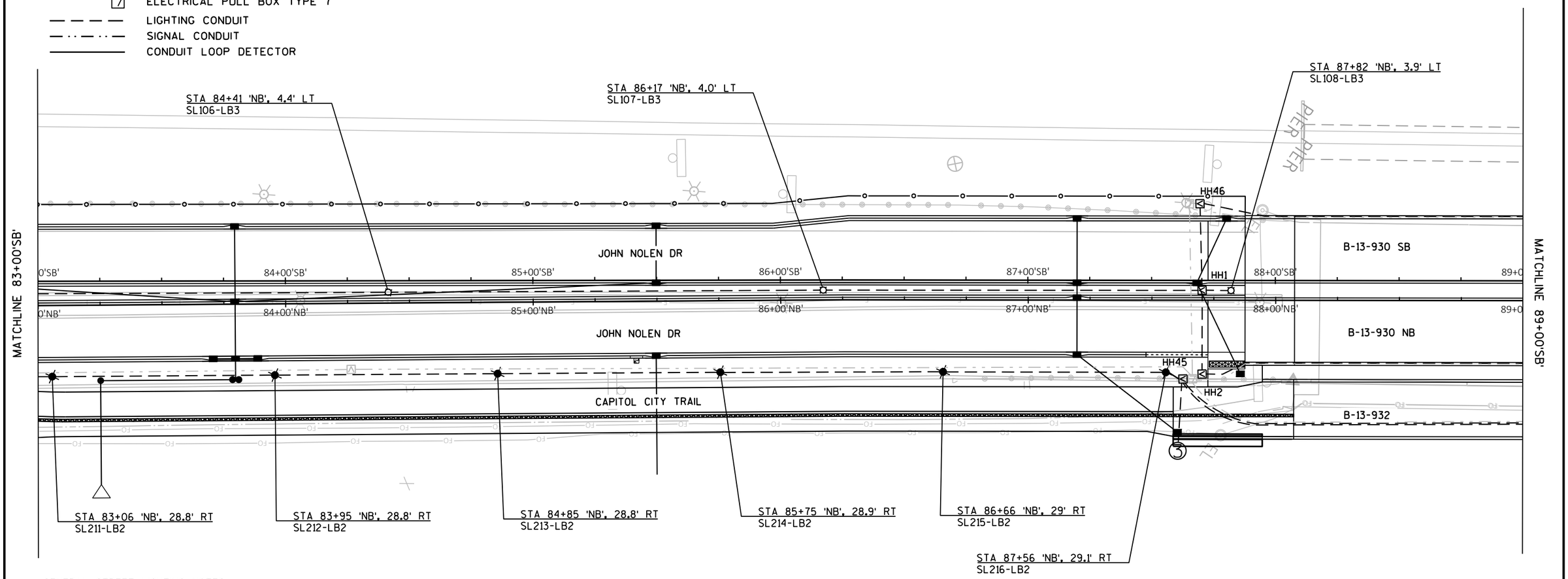
LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

KEYED NOTES

③ STUB AND CAP CONDUIT FOR FUTURE USE





GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

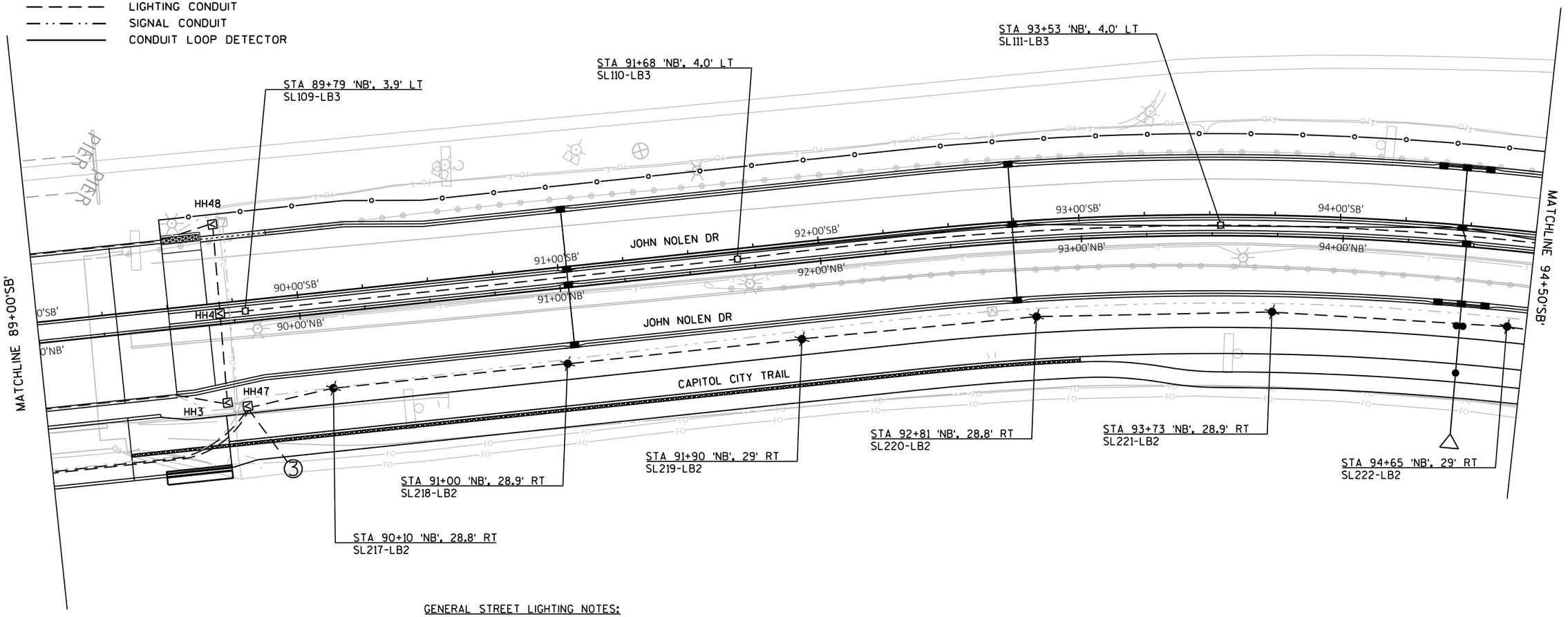
LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

KEYED NOTES

③ STUB AND CAP CONDUIT FOR FUTURE USE

XXX+XX'XX' - XX.X' XT (STATION, OFFSET)
SLXXX - X (CONCRETE BASE TYPE, LIGHTING UNIT NUMBER)



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

2

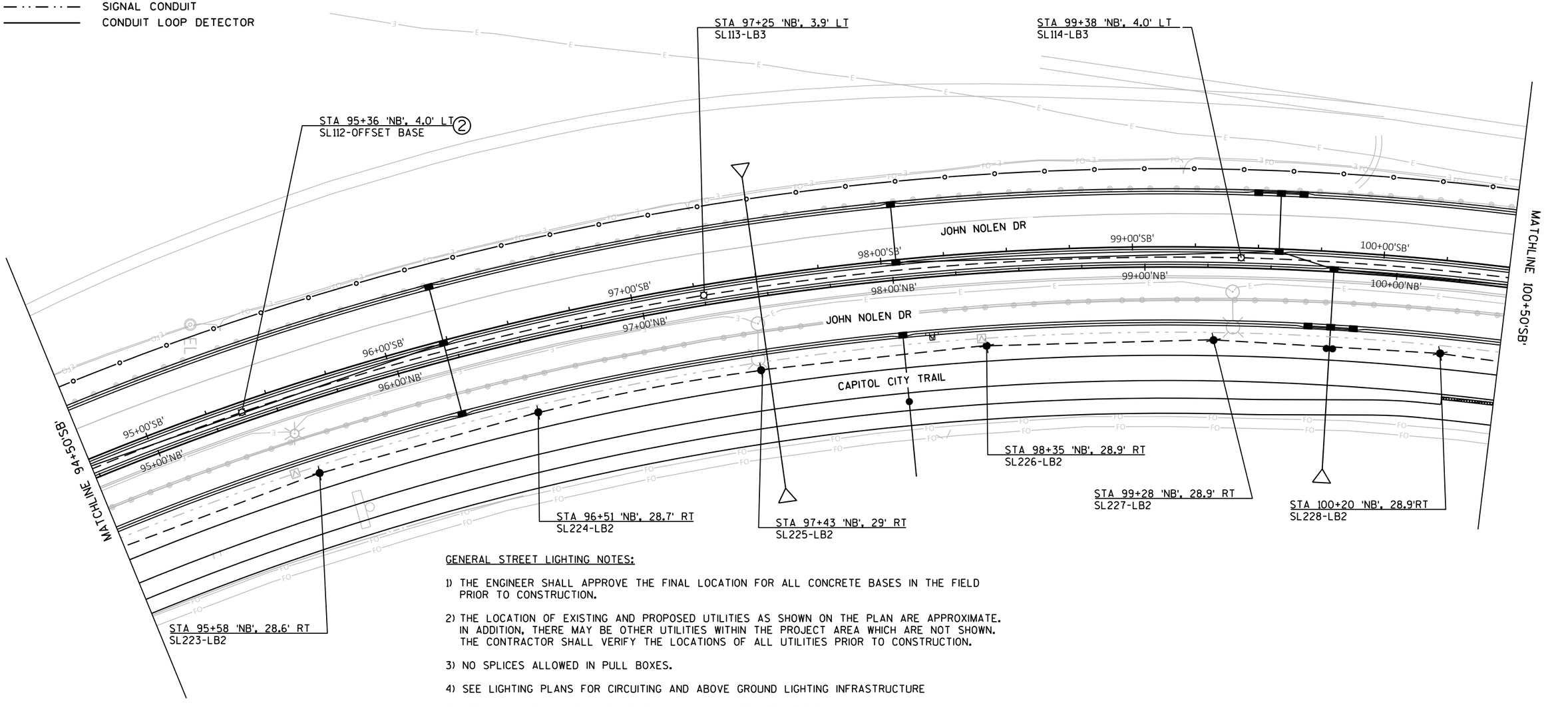
LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

KEYED NOTES

② INSTALL OFFSET BASE TO AVOID STORM SEWER CONFLICT. COORDINATE W ENGINEER FOR EXACT PLACEMENT.

XXX+XX'XX' - XX.X' XT
SLXXX - X
STATION
OFFSET
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER
N



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

2

LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

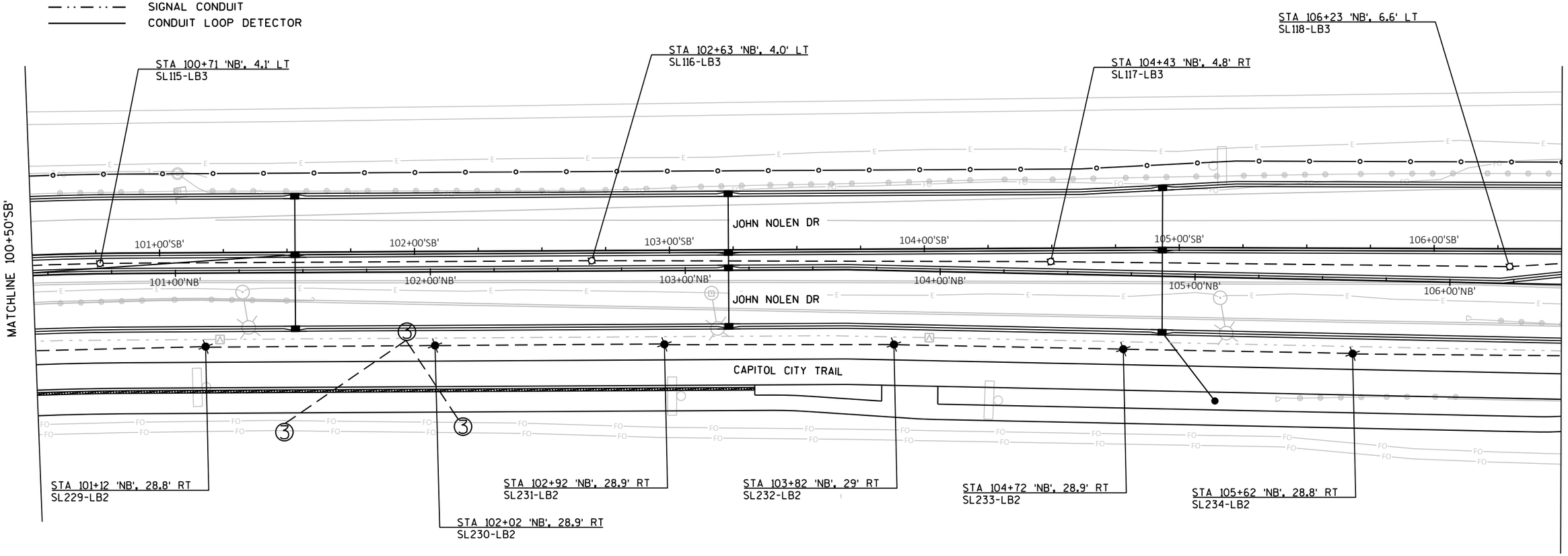
KEYED NOTES

③ STUB AND CAP CONDUIT FOR FUTURE USE

XXX+XX'XX' - XX.X' XT
SLXXX - X

- STATION
- OFFSET
- CONCRETE BASE TYPE
- LIGHTING UNIT NUMBER

N



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

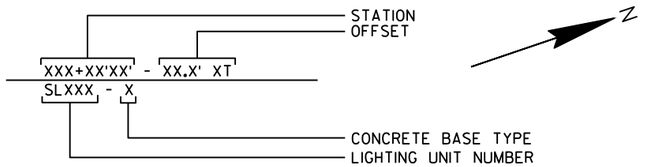
2

LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

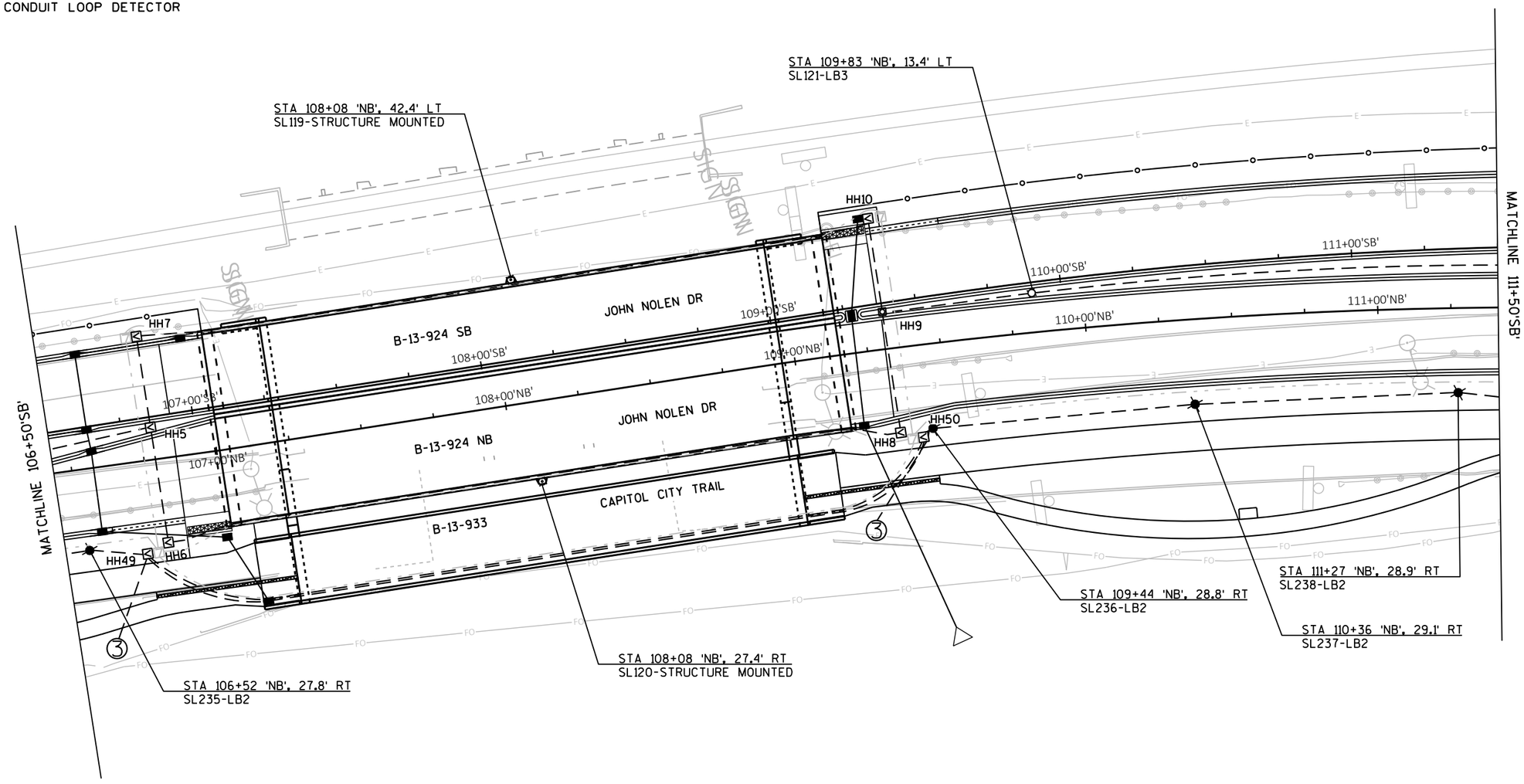
GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
3) NO SPLICES ALLOWED IN PULL BOXES.
4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE
5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE



KEYED NOTES

③ STUB AND CAP CONDUIT FOR FUTURE USE



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	UNDERGROUND ELECTRICAL	SHEET 361	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP-UG.DWG
LAYOUT NAME - 07
PLOT DATE : 6/24/2025 6:45 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

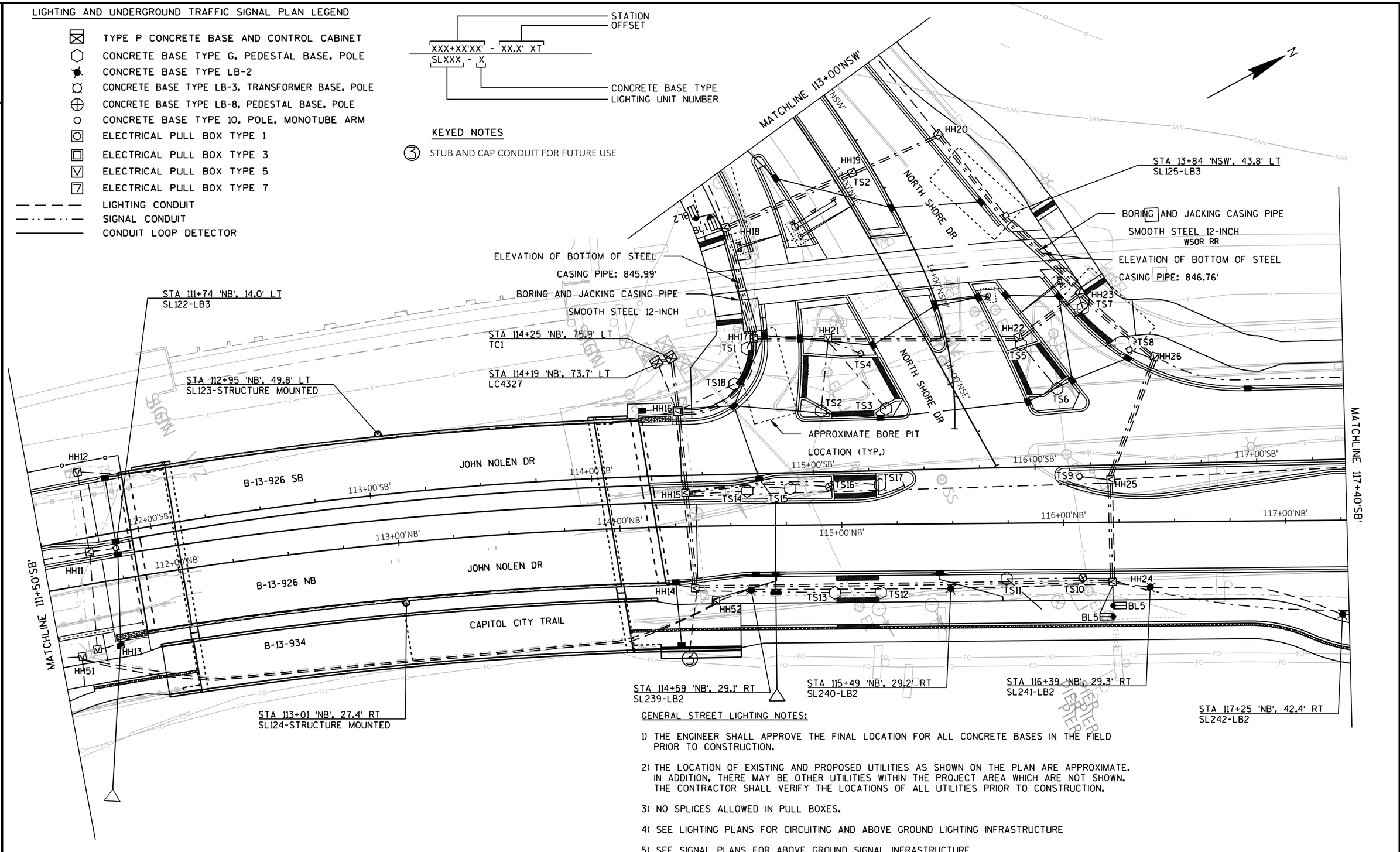
LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

XXX+XX'XX' - XX.X' XT
SLXXX - X
STATION
OFFSET
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER

KEYED NOTES

(3) STUB AND CAP CONDUIT FOR FUTURE USE



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

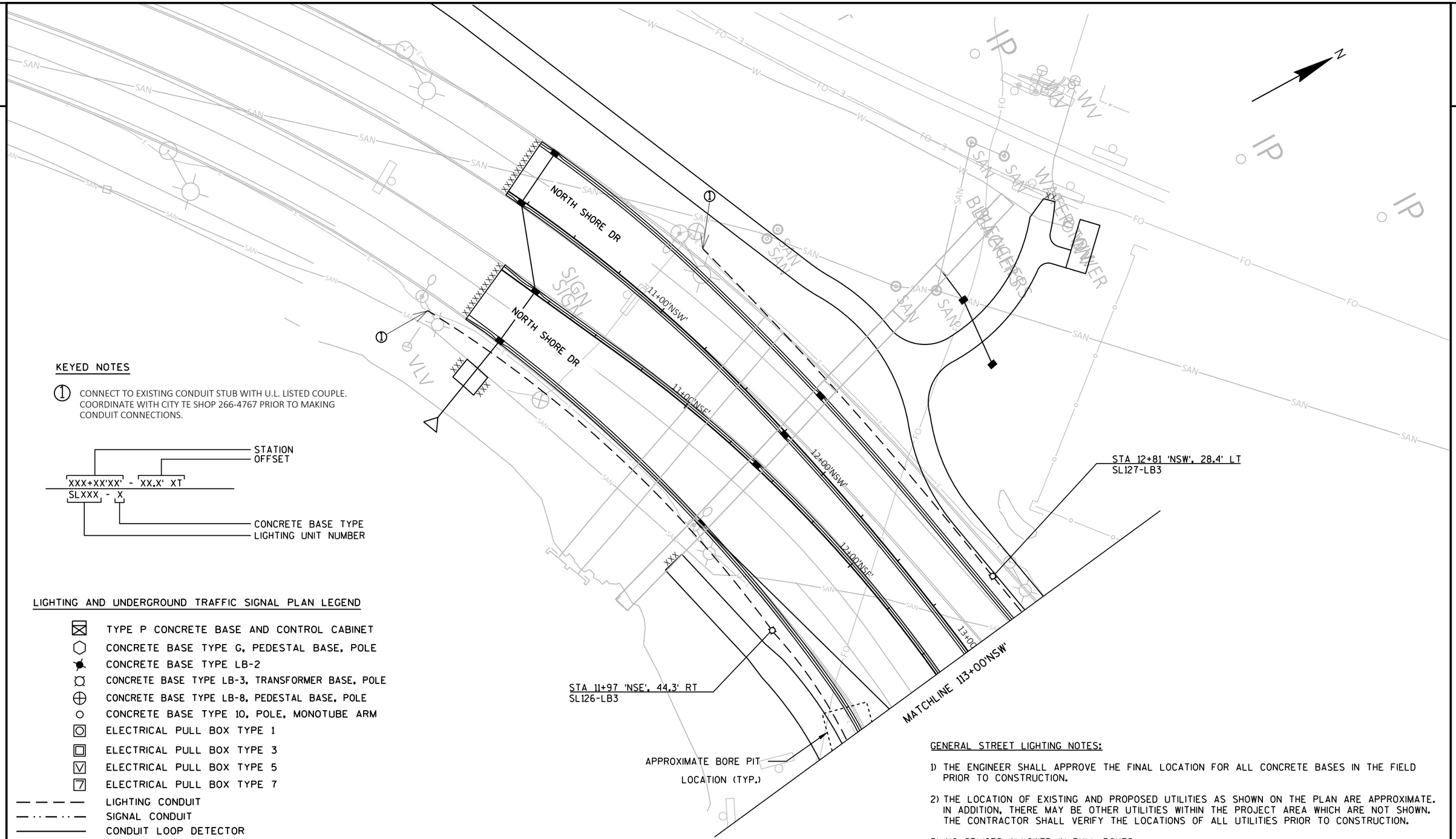
2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FOR ABOVE GROUND SIGNAL INFRASTRUCTURE

2



KEYED NOTES

① CONNECT TO EXISTING CONDUIT STUB WITH U.L. LISTED COUPLE. COORDINATE WITH CITY TE SHOP 266-4767 PRIOR TO MAKING CONDUIT CONNECTIONS.

STATION
OFFSET
XXX+XX'XX' - XX.X' XT
SLXXX - X
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER

LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

2

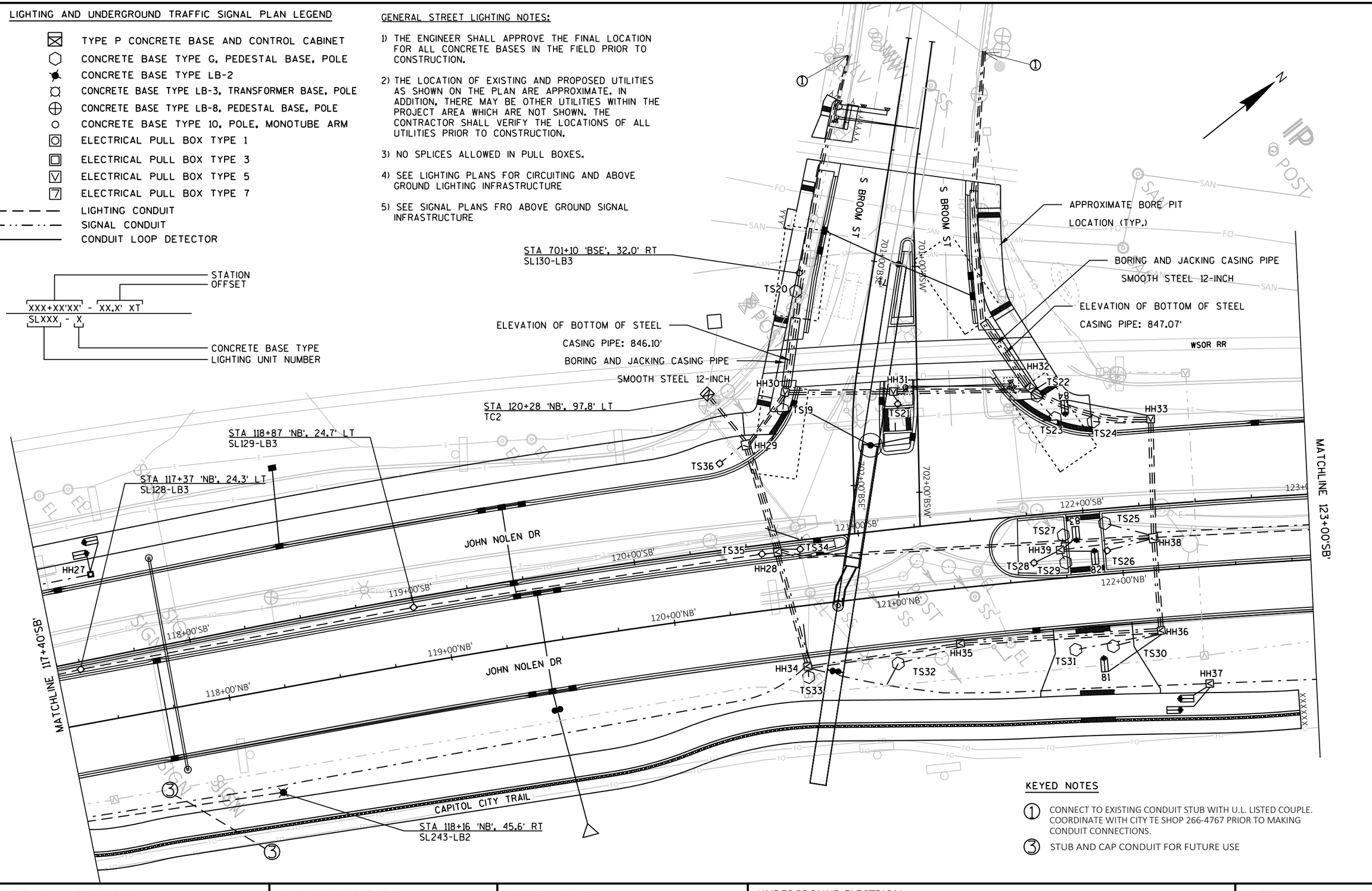
LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

STATION
OFFSET
XXX+XX'XX' - XX.X' XT'
SLXXX - X
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
3) NO SPLICES ALLOWED IN PULL BOXES.
4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE
5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE



KEYED NOTES

1. CONNECT TO EXISTING CONDUIT STUB WITH U.L. LISTED COUPLE. COORDINATE WITH CITY TE SHOP 266-4767 PRIOR TO MAKING CONDUIT CONNECTIONS.
3. STUB AND CAP CONDUIT FOR FUTURE USE

2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

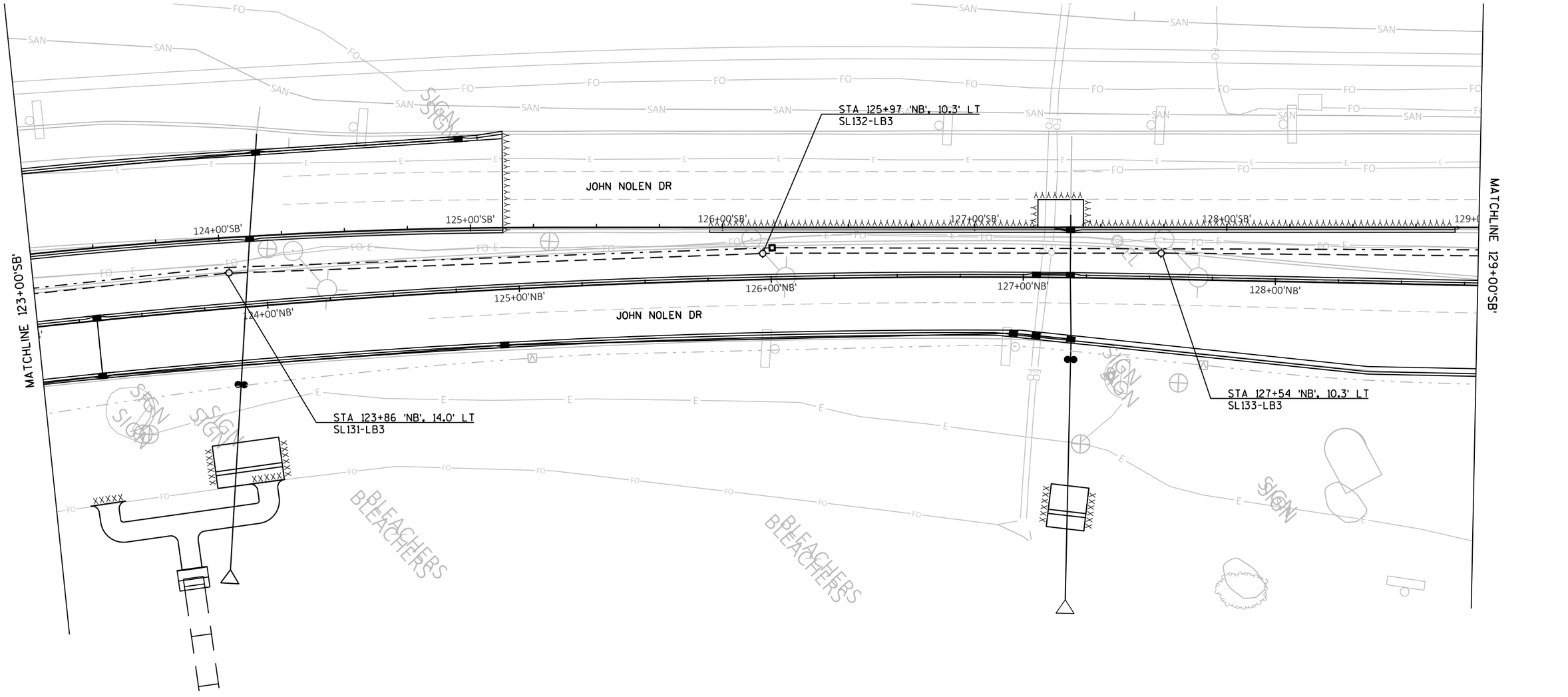
4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

XXX+XX'XX' - XX.X' XT — STATION, OFFSET
SLXXX - X — CONCRETE BASE TYPE, LIGHTING UNIT NUMBER



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	UNDERGROUND ELECTRICAL	SHEET 365	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP-UG.DWG
LAYOUT NAME - 10
PLOT DATE : 6/24/2025 6:46 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE LIGHTING PLANS FOR CIRCUITING AND ABOVE GROUND LIGHTING INFRASTRUCTURE

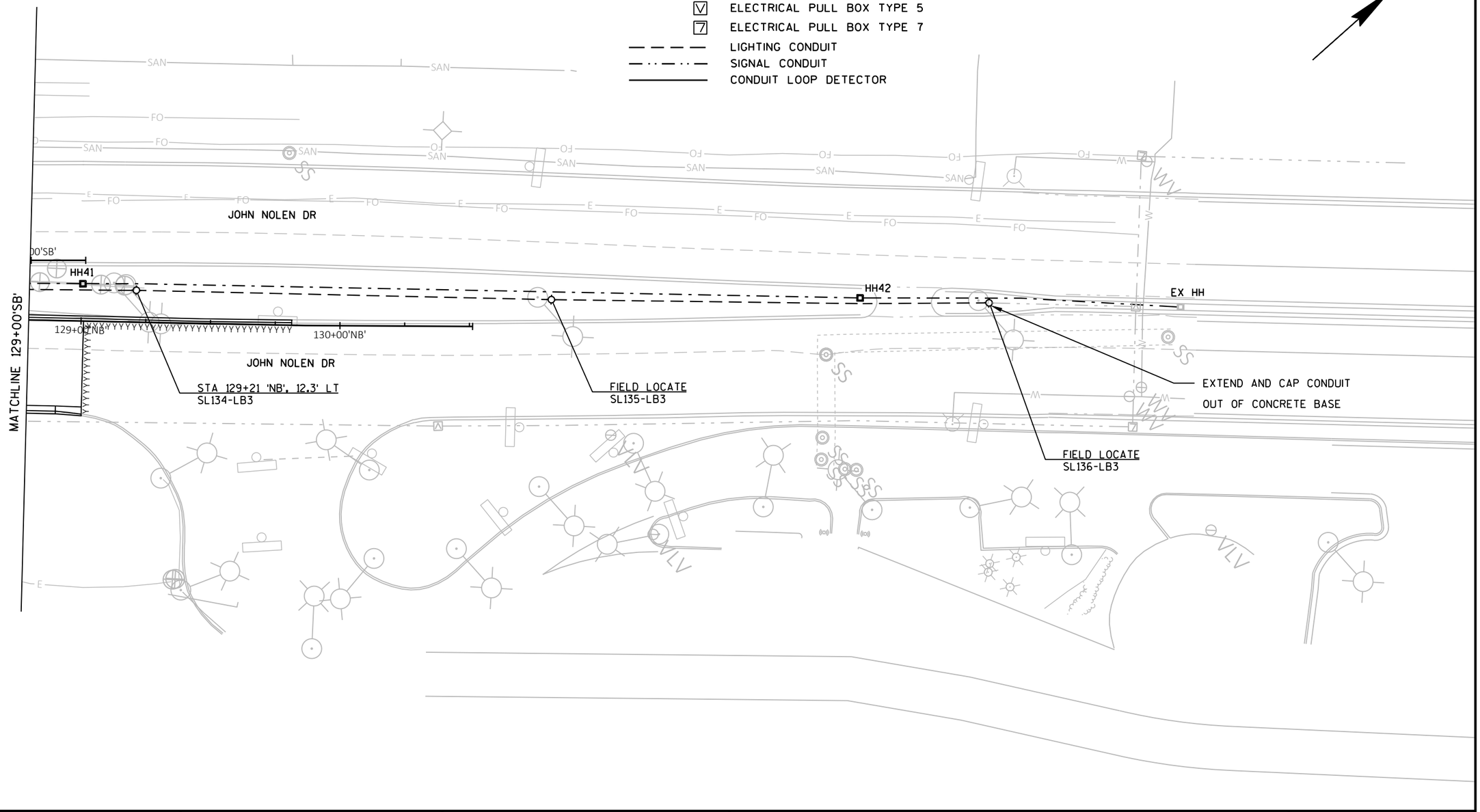
5) SEE SIGNAL PLANS FRO ABOVE GROUND SIGNAL INFRASTRUCTURE

LIGHTING AND UNDERGROUND TRAFFIC SIGNAL PLAN LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- CONCRETE BASE TYPE G, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-2
- CONCRETE BASE TYPE LB-3, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE 10, POLE, MONOTUBE ARM
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR

XXX+XX'XX' - XX.X' XT
SLXXX - X

STATION
OFFSET
CONCRETE BASE TYPE
LIGHTING UNIT NUMBER

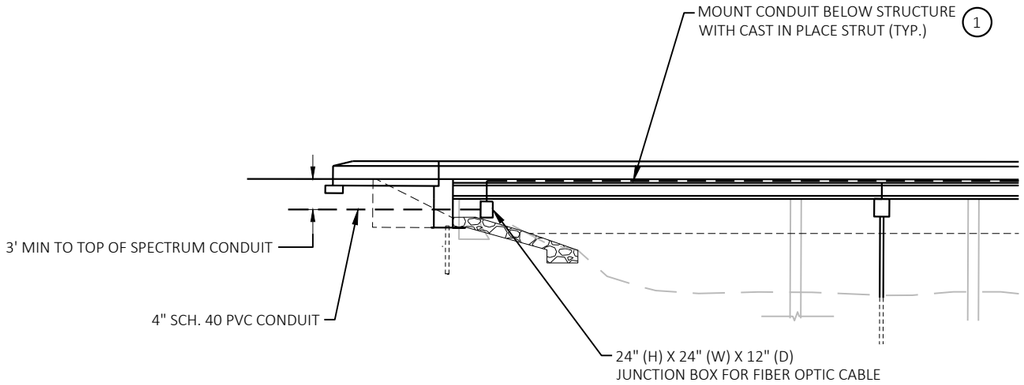


PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	UNDERGROUND ELECTRICAL	SHEET 366	E

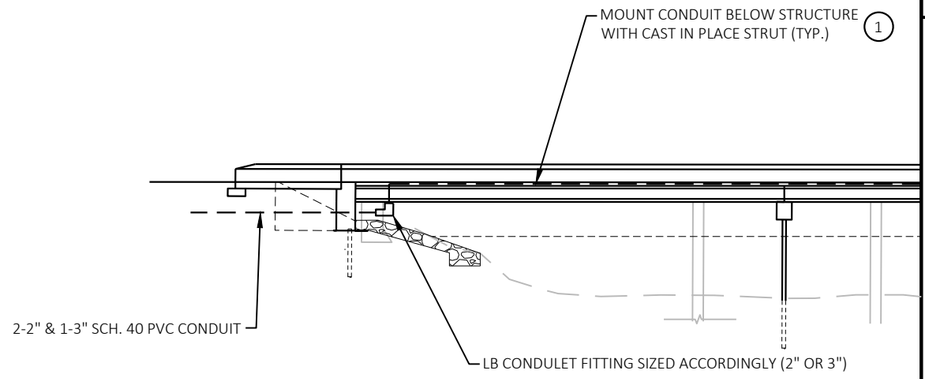
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP-UG.DWG
LAYOUT NAME - 11
PLOT DATE : 6/24/2025 6:46 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

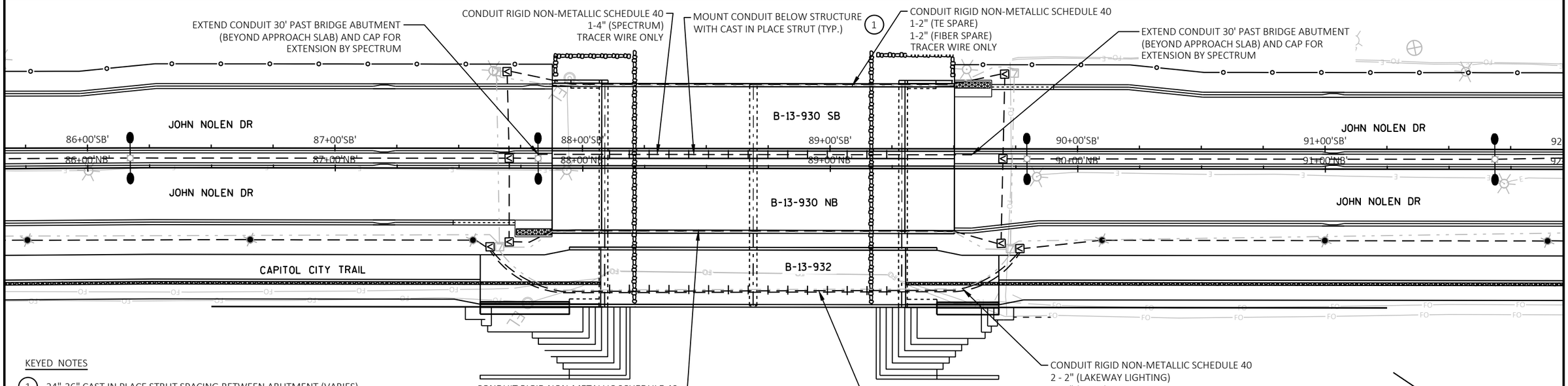
2



ELEVATION VIEW
B-13-930 SB
SPECTRUM CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS



ELEVATION VIEW
B-13-932
CITY OF MADISON CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS



KEYED NOTES

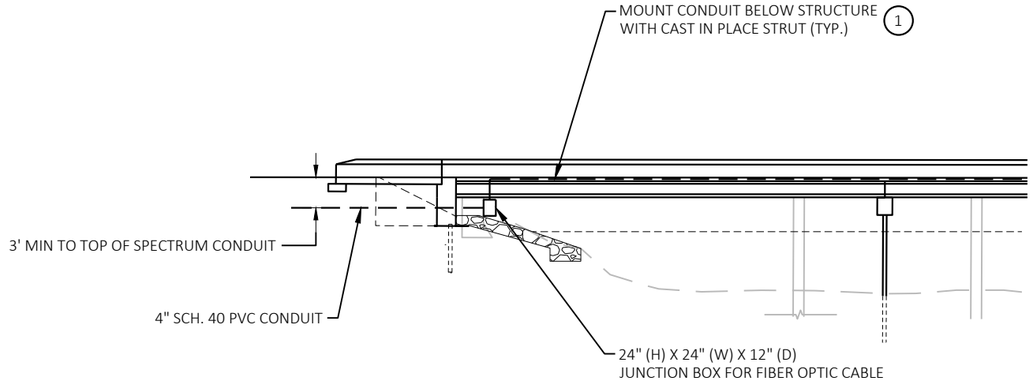
(1) 24"-36" CAST IN PLACE STRUT SPACING BETWEEN ABUTMENT (VARIES)

CONSTRUCTION NOTES

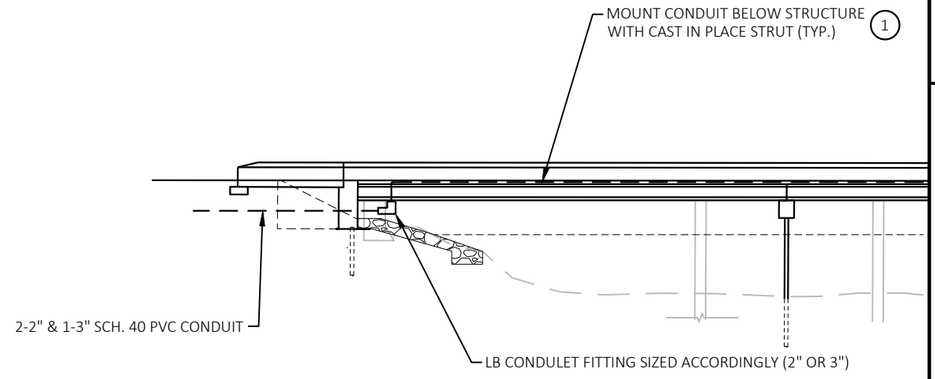
1) SEE STRUCTURE PLAN FOR ADDITIONAL DETAILS REGARDING CONDUIT ROUTING

SPARE CONDUIT DETAIL

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLANS - CONSTRUCTION DETAILS	SHEET 367	E

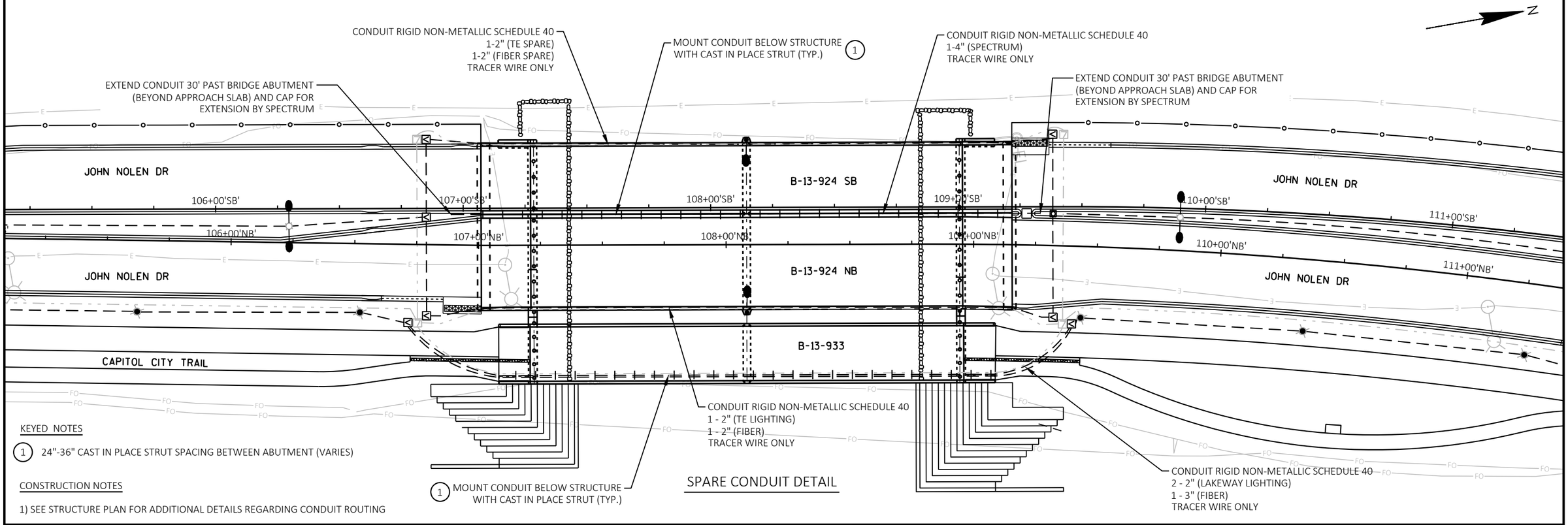


ELEVATION VIEW
B-13-924 SB
SPECTRUM CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS



ELEVATION VIEW
B-13-933
CITY OF MADISON CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS

2



KEYED NOTES

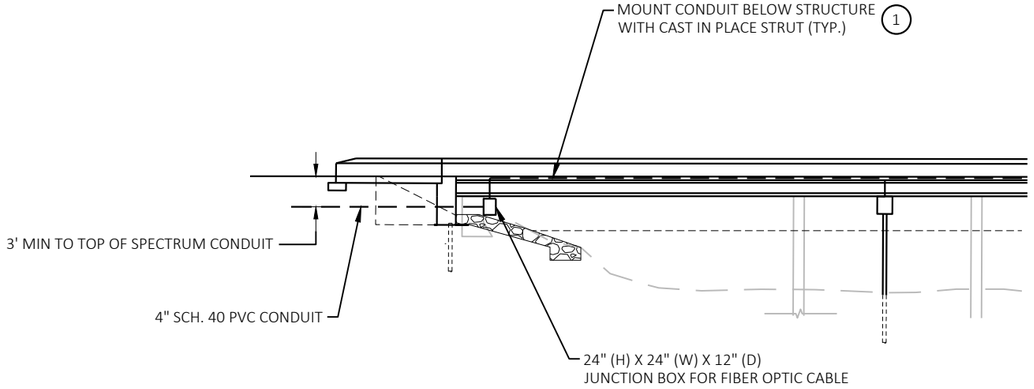
1 24"-36" CAST IN PLACE STRUT SPACING BETWEEN ABUTMENT (VARIES)

CONSTRUCTION NOTES

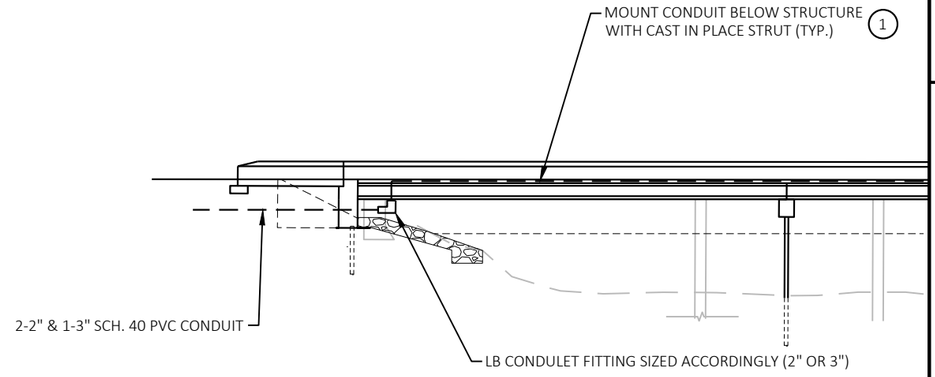
1) SEE STRUCTURE PLAN FOR ADDITIONAL DETAILS REGARDING CONDUIT ROUTING

SPARE CONDUIT DETAIL

PROJECT NO: 5992-11-21	HWY: JOHN NOLAN DR	COUNTY: DANE	LIGHTING PLANS - CONSTRUCTION DETAILS	SHEET 368	E



ELEVATION VIEW
B-13-926 SB
SPECTRUM CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS



ELEVATION VIEW
B-13-934
CITY OF MADISON CONDUIT - TYPICAL OF BOTH STRUCTURE ABUTMENTS

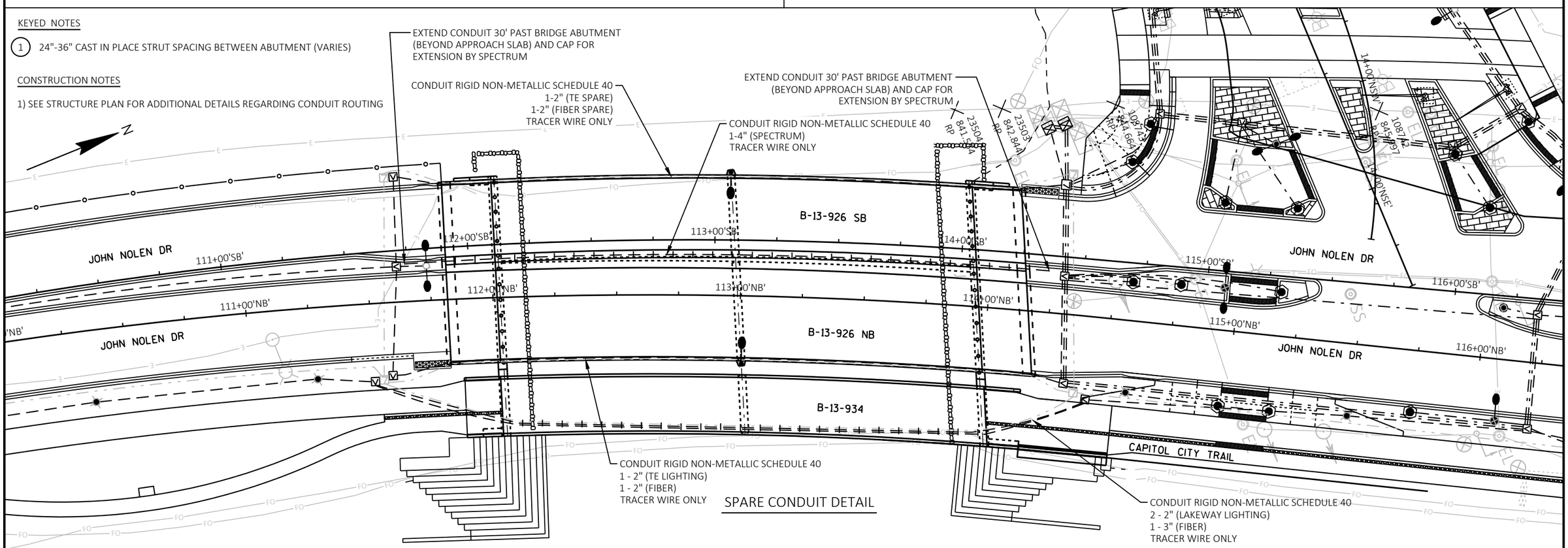
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KEYED NOTES

(1) 24"-36" CAST IN PLACE STRUT SPACING BETWEEN ABUTMENT (VARIES)

CONSTRUCTION NOTES

1) SEE STRUCTURE PLAN FOR ADDITIONAL DETAILS REGARDING CONDUIT ROUTING



SPARE CONDUIT DETAIL

PROJECT NO: 5992-11-21	HWY: JOHN NOLAN DRIVE	COUNTY: DANE	LIGHTING PLANS - CONSTRUCTION DETAILS	SHEET 369	E

LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER

SAYLE ST

E LAKESIDE ST

LC4448
EXISTING

CONNECT TO EXISTING LIGHTING
CIRCUIT TO RE-ESTABLISH
POWER DOWN THE CAUSEWAY

SL100
LC4448-A1/A2-(2)TYPE II

SL101
LC4448-A2/A1-(2)TYPE II

JOHN NOLEN DR

72+00'SB' 73+00'SB' 74+00'SB' 75+00'SB' 76+00'SB' 77+0

72+00'NB' 73+00'NB' 74+00'NB' 75+00'NB' 76+00'NB' 77+0

3 #6 AWG
1 #8 AWG GND

JOHN NOLEN DR

3 #6 AWG
1 #8 AWG GND

TRACER WIRE ONLY

TRACER WIRE ONLY

CAPITOL CITY TRAIL

TRACER WIRE ONLY

SL200
LC4448-CONCRETE BASE ONLY

SL201
LC4448-CONCRETE BASE ONLY

SL202
LC4448-CONCRETE BASE ONLY

SL203
LC4448-CONCRETE BASE ONLY

SL204
LC4448-CONCRETE BASE ONLY

MATCHLINE 77+00'SB'

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 370	E

2

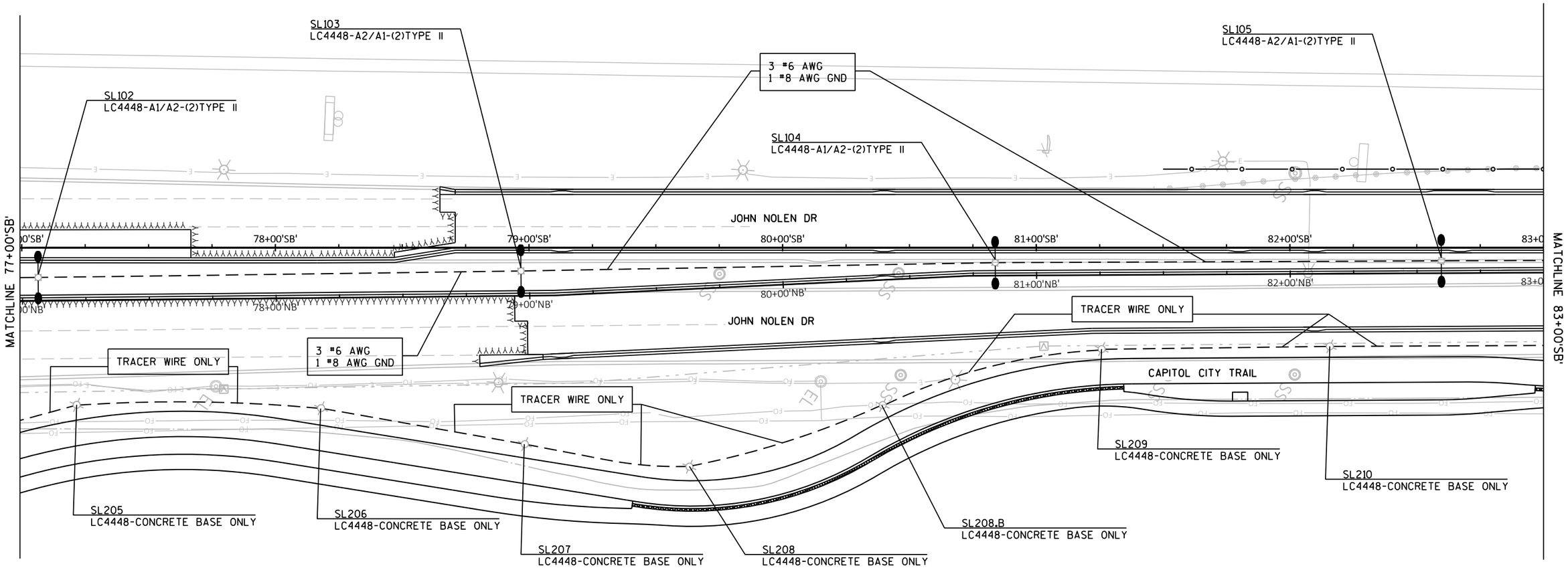
LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER



GENERAL STREET LIGHTING NOTES:

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2

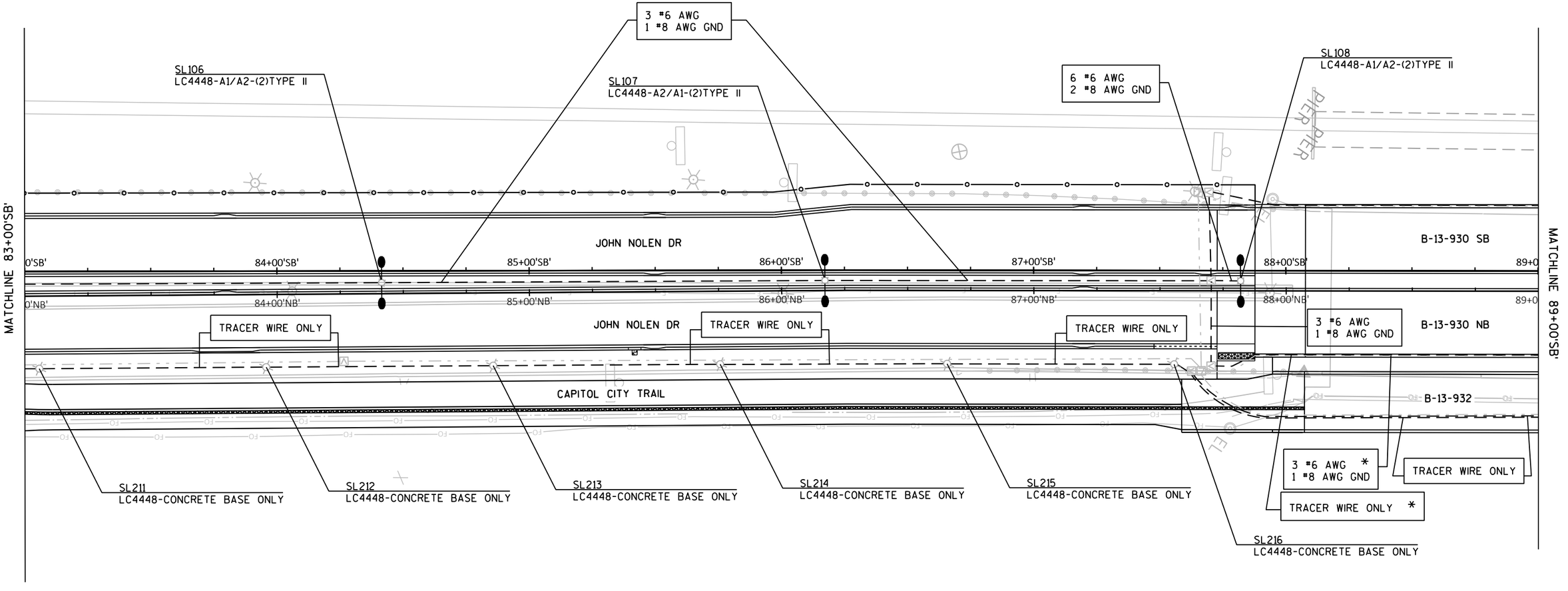
LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER



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4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

* CONDUIT EMBEDDED IN STRUCTURE - SEE STRUCTURE PLANS FOR ADDITIONAL DETAILS

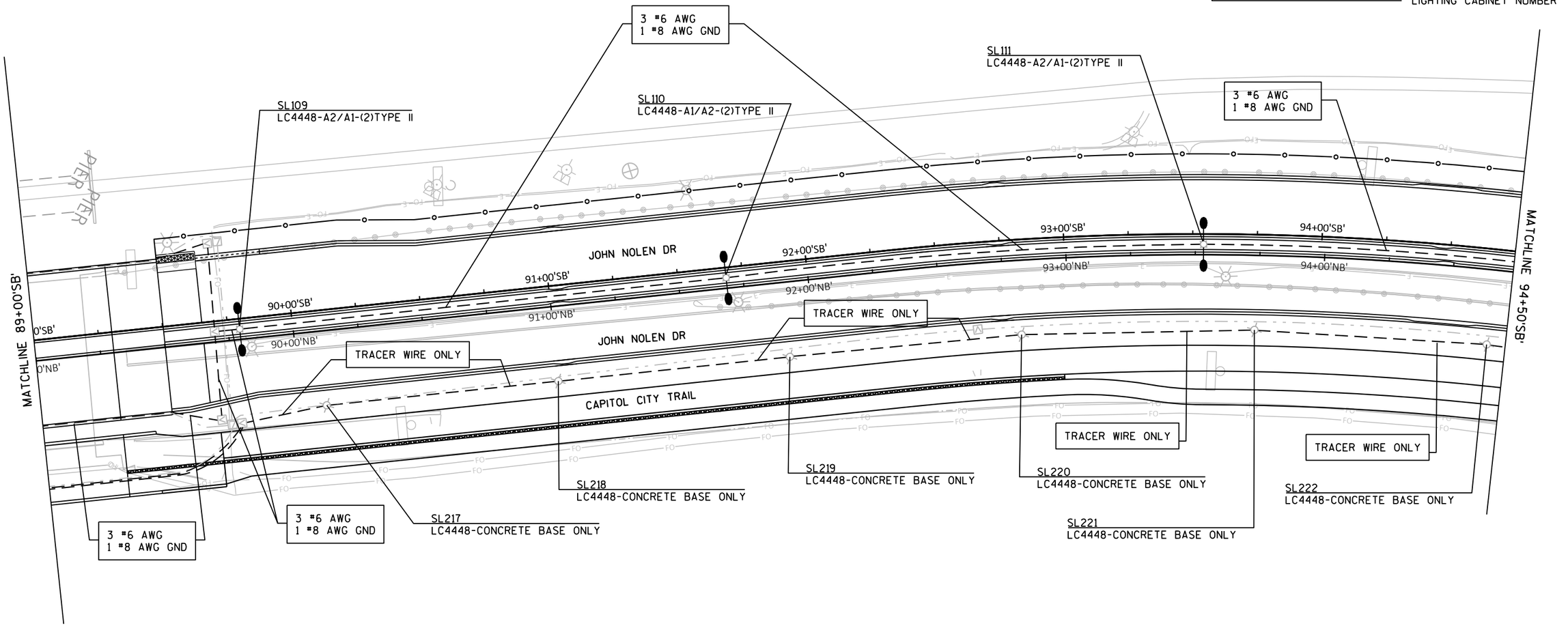
* CONDUIT EMBEDDED IN STRUCTURE - SEE STRUCTURE PLANS FOR ADDITIONAL DETAILS

LIGHTING PLAN LEGEND

- CONTROL CABINET
- LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

- LUMINAIRE TYPE
- ALL NIGHT, CIRCUIT NUMBER
- LIGHTING CABINET NUMBER



GENERAL STREET LIGHTING NOTES:

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4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

2

LIGHTING PLAN LEGEND

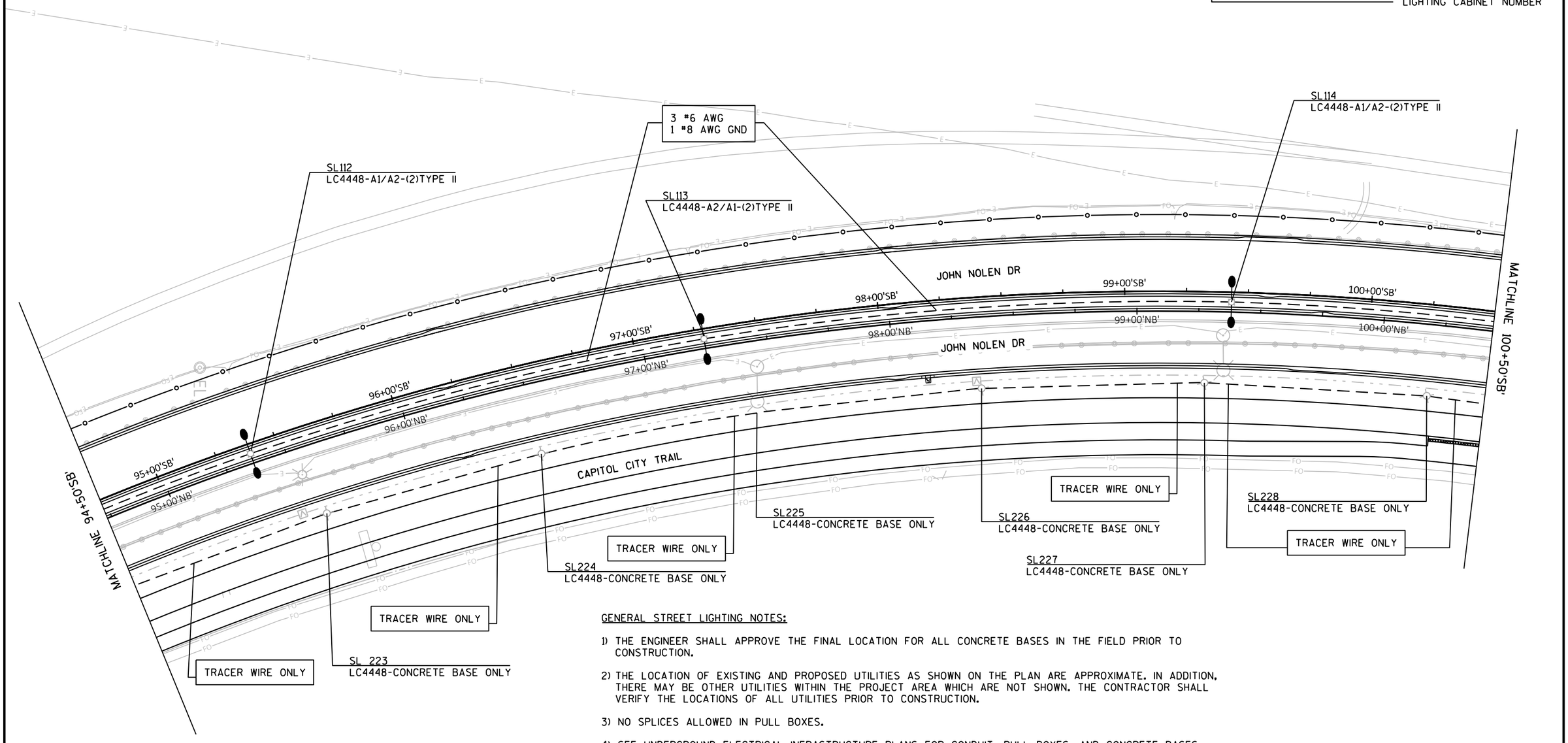
N

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

- LUMINAIRE TYPE
- ALL NIGHT, CIRCUIT NUMBER
- LIGHTING CABINET NUMBER



GENERAL STREET LIGHTING NOTES:

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4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

KEYED NOTES

① END OF CIRCUIT

LIGHTING PLAN LEGEND

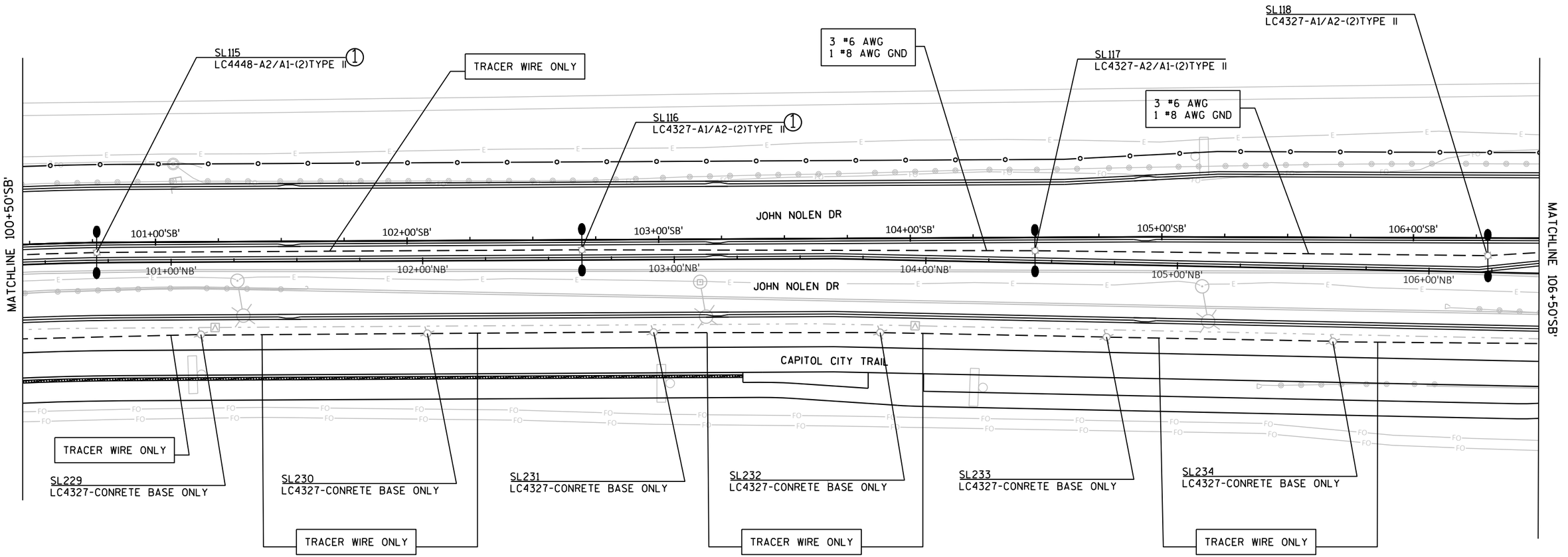
N

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

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3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 375	E

2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

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3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

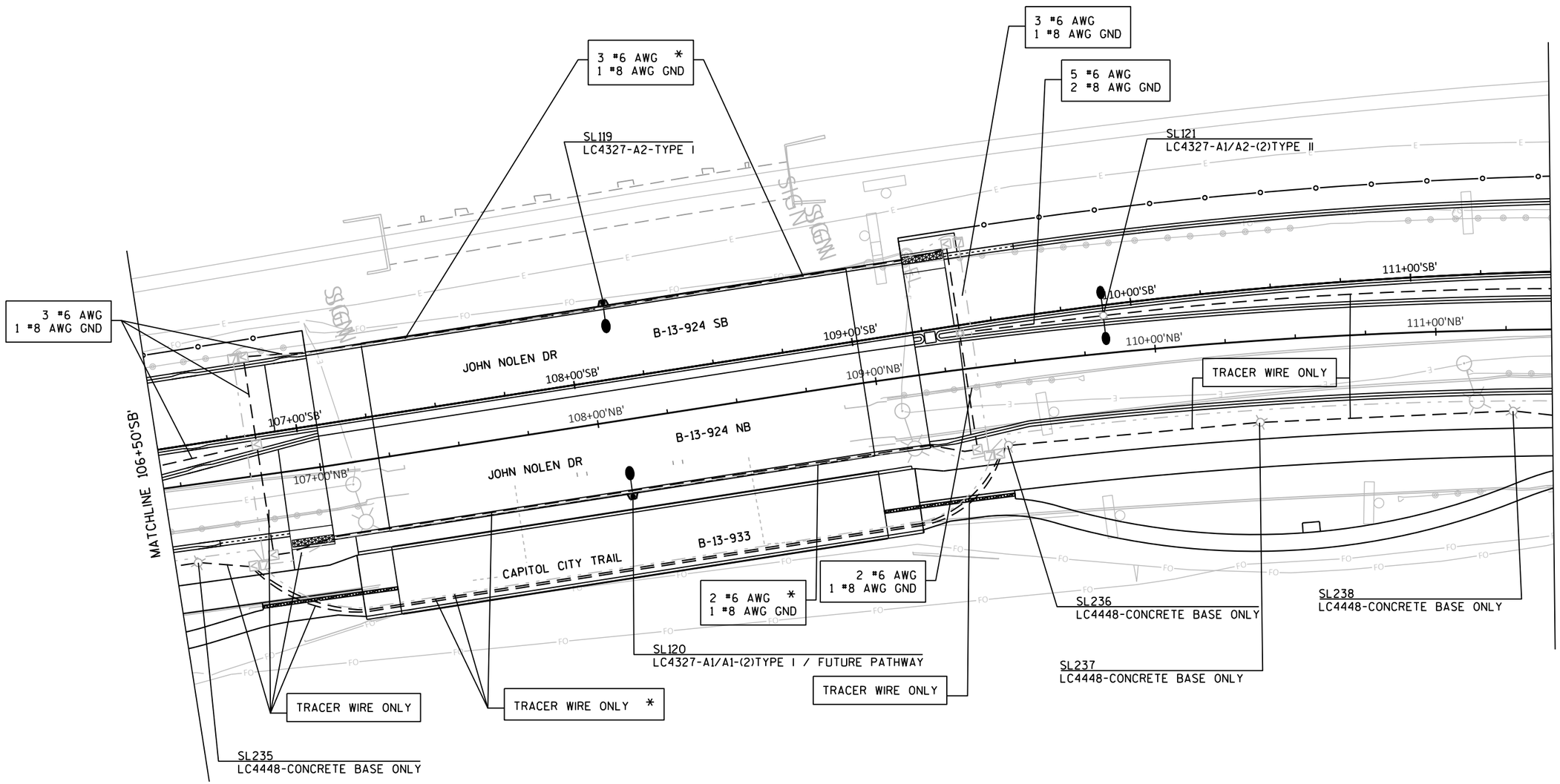
* CONDUIT EMBEDDED IN STRUCTURE - SEE STRUCTURE PLANS FOR ADDITIONAL DETAILS

LIGHTING PLAN LEGEND

- CONTROL CABINET
- LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

- LUMINAIRE TYPE
- ALL NIGHT, CIRCUIT NUMBER
- LIGHTING CABINET NUMBER



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 376	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 07
PLOT DATE : 6/24/2025 6:29 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LIGHTING PLAN LEGEND

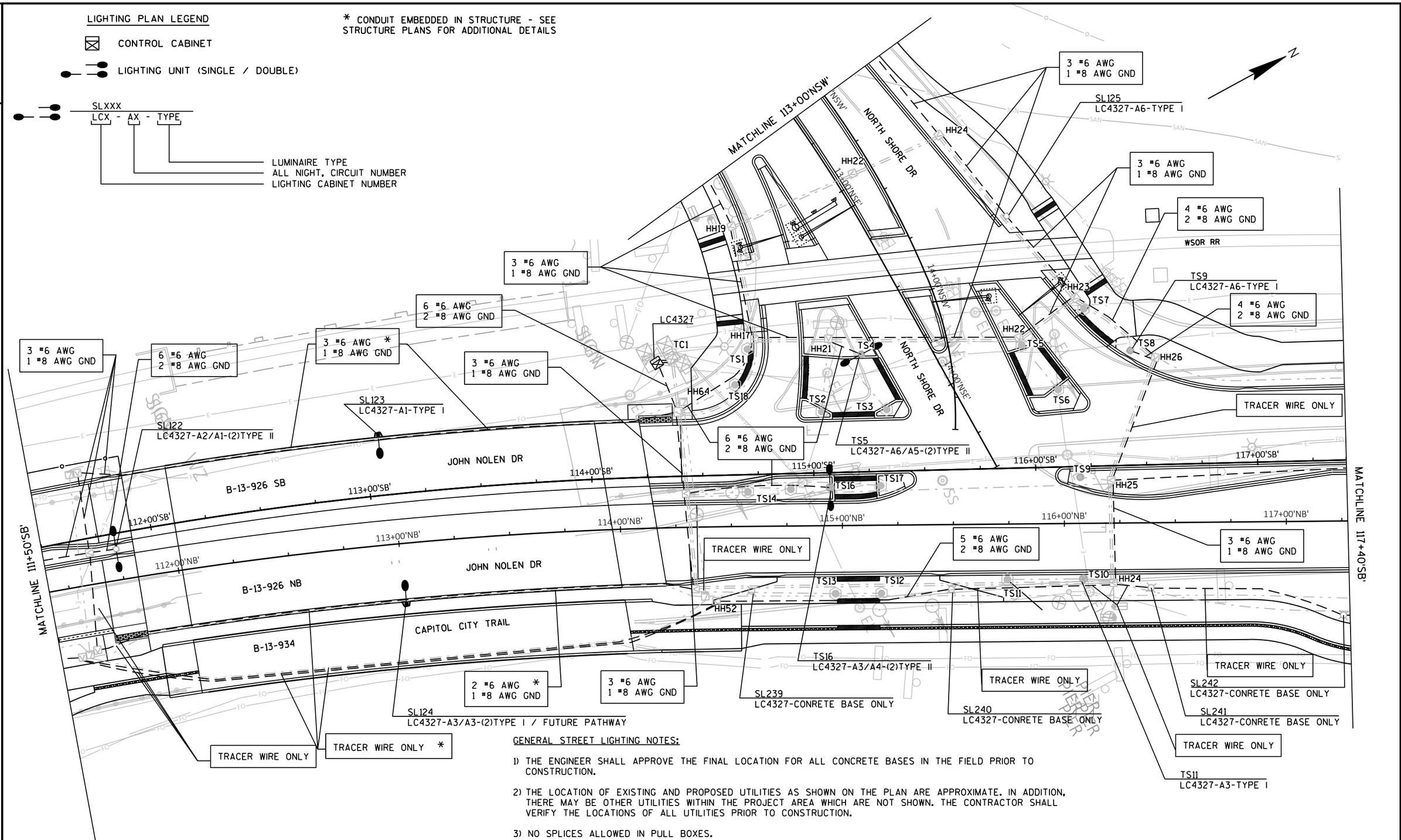
CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER

* CONDUIT EMBEDDED IN STRUCTURE - SEE STRUCTURE PLANS FOR ADDITIONAL DETAILS



GENERAL STREET LIGHTING NOTES:

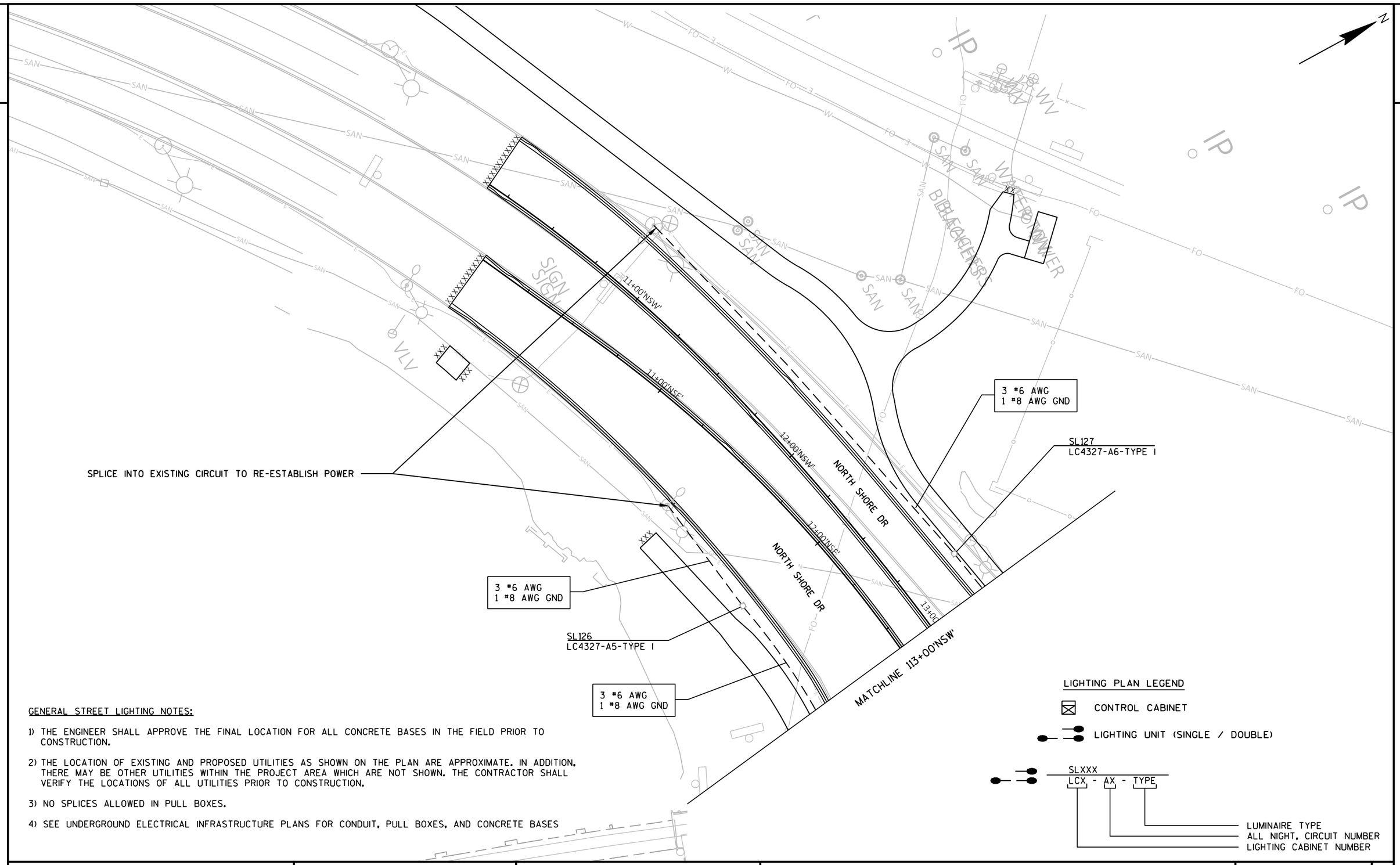
1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

2



GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

LIGHTING PLAN LEGEND

- CONTROL CABINET
- LIGHTING UNIT (SINGLE / DOUBLE)
- SLXXX — LCX - AX - TYPE
  - LUMINAIRE TYPE
  - ALL NIGHT, CIRCUIT NUMBER
  - LIGHTING CABINET NUMBER

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 378	E

LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER

KEYED NOTES

① END OF CIRCUIT

SPLICE INTO EXISTING CIRCUIT TO RE-ESTABLISH POWER

TRACER WIRE ONLY

① SL130
LC2024-A4-TYPE I

TRACER WIRE ONLY

S BROOM ST

S BROOM ST

701+00'BSE'

701+00'BSW'

TS21
LC4327-AX-(2)TYPE II

TRACER WIRE ONLY

TS20

WSOR RR

SL129
LC4327-A4/A3-(2)TYPE II

3 #6 AWG
1 #8 AWG GND

3 #6 AWG
1 #8 AWG GND

HH30

HH31

HH32

TC2

TS19

TS21

TS22

HH33

TS24

TS23

TS36

HH29

TS26
LC4327-A4/A3-(2)TYPE II

3 #6 AWG
1 #8 AWG GND

3 #6 AWG
1 #8 AWG GND

MATCHLINE 123+00'SB'

SL128
LC4327-A3/A4-(2)TYPE II

702+00'BSE'

702+00'BSW'

TS31
LC4327-A3/A4-(2)TYPE II

121+00'SB'

122+00'SB'

TS25

TS27

HH39

HH38

TS29

TS26

HH27

JOHN NOLEN DR

120+00'SB'

TS35

TS34

HH28

TRACER WIRE ONLY

122+00'NB'

119+00'SB'

121+00'NB'

120+00'NB'

118+00'SB'

6 #6 AWG
2 #8 AWG GND

HH36

6 #6 AWG
2 #8 AWG GND

HH35

HH34

TS32

TS31

TS30

HH37

119+00'NB'

118+00'NB'

JOHN NOLEN DR

TS33

MATCHLINE 117+40'SB'

CAPITOL CITY TRAIL

TRACER WIRE ONLY

SL243
LC4327-CONRETE BASE ONLY

TRACER WIRE ONLY

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 379	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - Broom St

PLOT DATE : 6/24/2025 6:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN addition, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

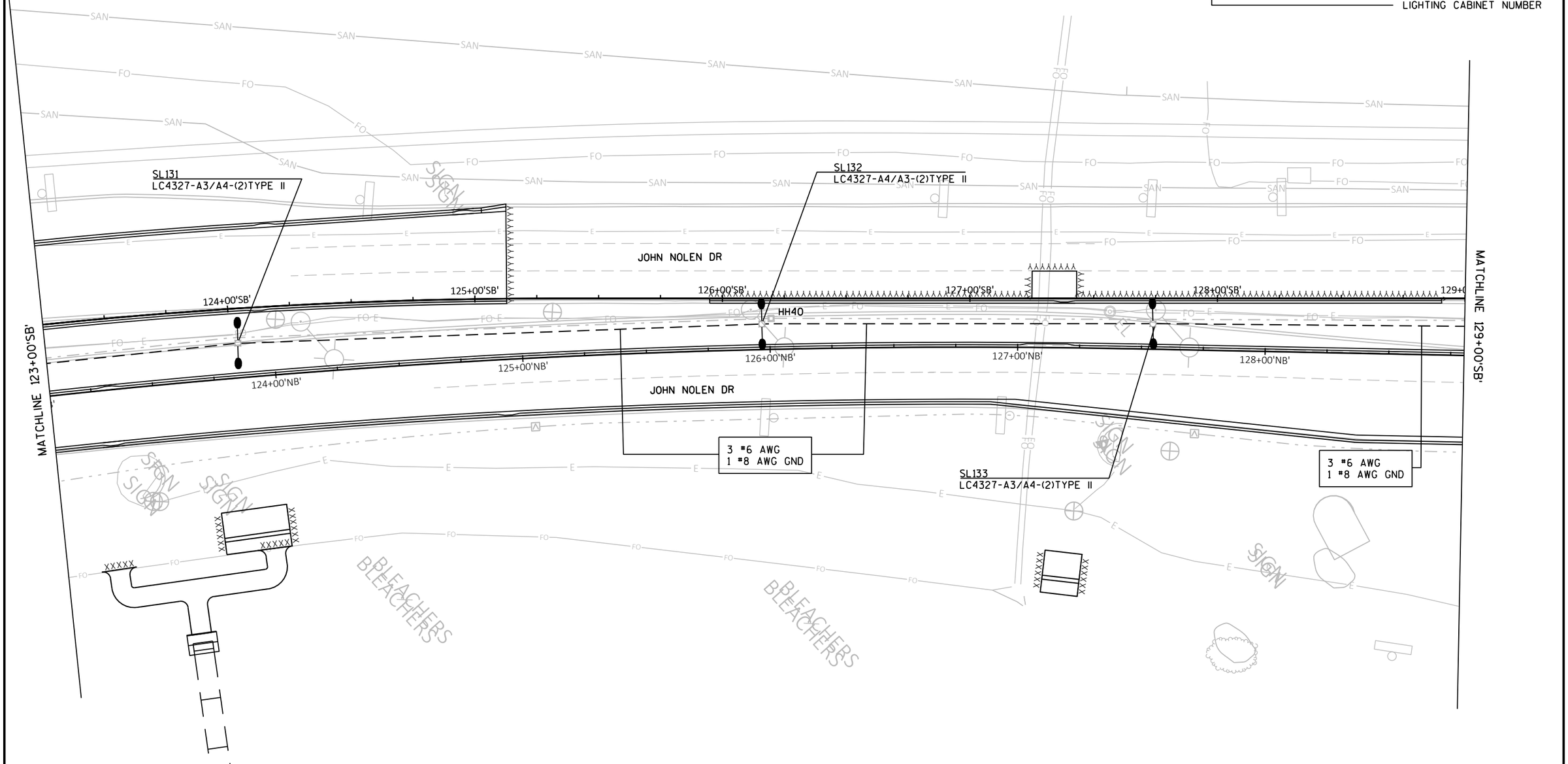
LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 380	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 10

PLOT DATE : 6/24/2025 6:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) SEE UNDERGROUND ELECTRICAL INFRASTRUCTURE PLANS FOR CONDUIT, PULL BOXES, AND CONCRETE BASES

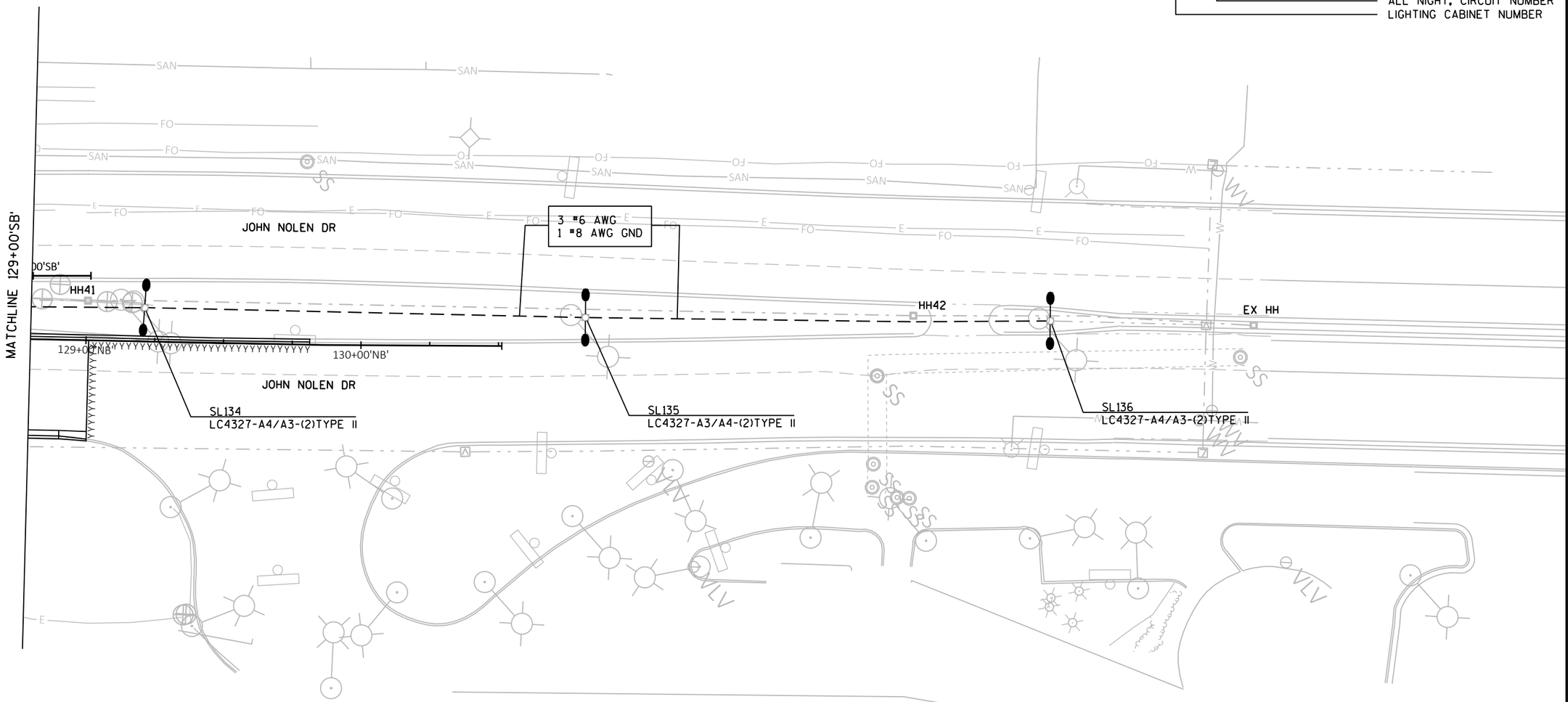
LIGHTING PLAN LEGEND

CONTROL CABINET

LIGHTING UNIT (SINGLE / DOUBLE)

SLXXX
LCX - AX - TYPE

LUMINAIRE TYPE
ALL NIGHT, CIRCUIT NUMBER
LIGHTING CABINET NUMBER



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DR	COUNTY: DANE	LIGHTING PLAN	SHEET 381	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 11

PLOT DATE : 6/24/2025 6:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

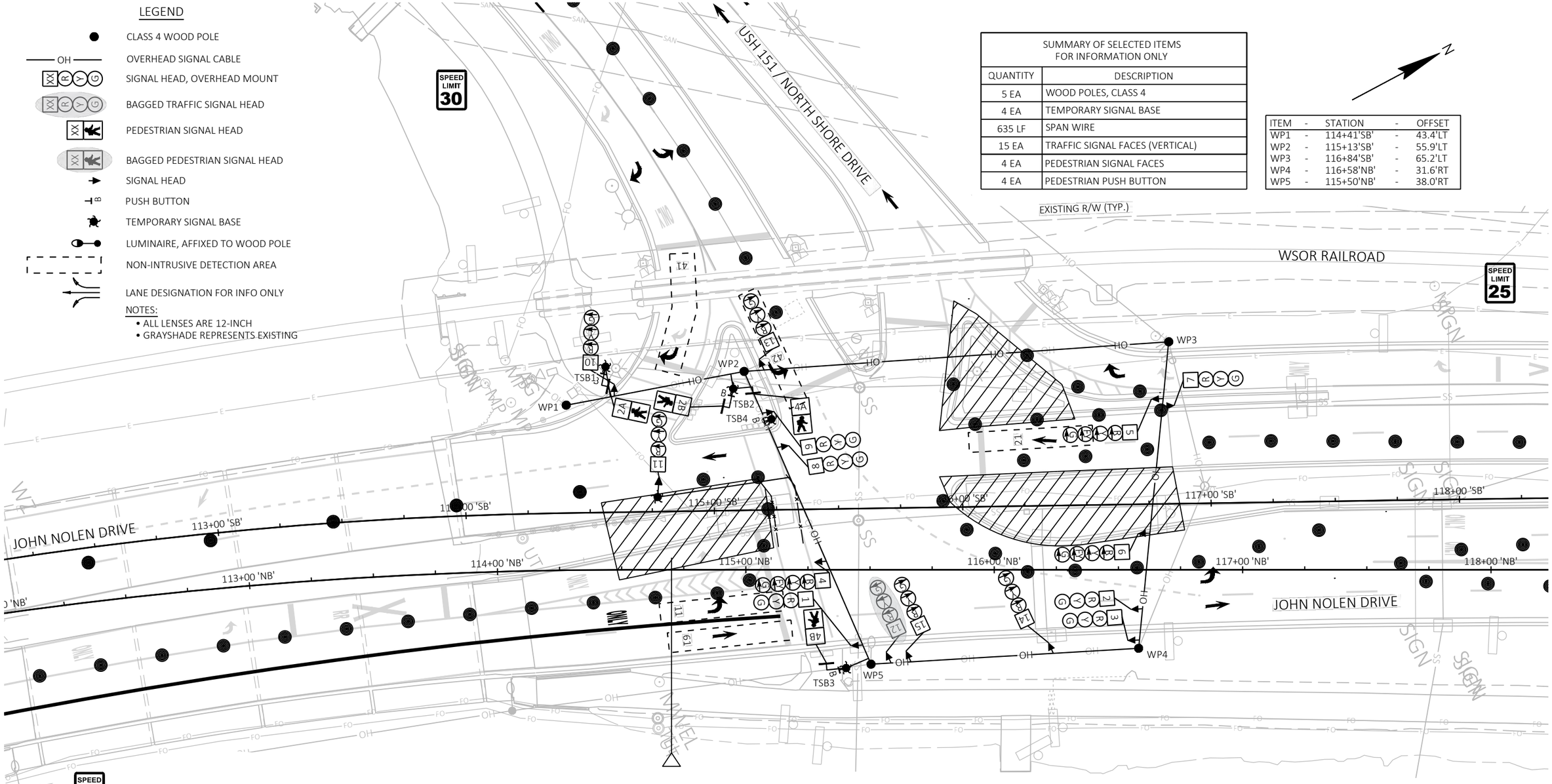
LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- B — PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
5 EA	WOOD POLES, CLASS 4
4 EA	TEMPORARY SIGNAL BASE
635 LF	SPAN WIRE
15 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	PEDESTRIAN SIGNAL FACES
4 EA	PEDESTRIAN PUSH BUTTON

ITEM	-	STATION	-	OFFSET
WP1	-	114+41'SB'	-	43.4'LT
WP2	-	115+13'SB'	-	55.9'LT
WP3	-	116+84'SB'	-	65.2'LT
WP4	-	116+58'NB'	-	31.6'RT
WP5	-	115+50'NB'	-	38.0'RT



SPEED LIMIT 25

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR SHALL ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 1 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1 (PEAK)	SHEET 382	E

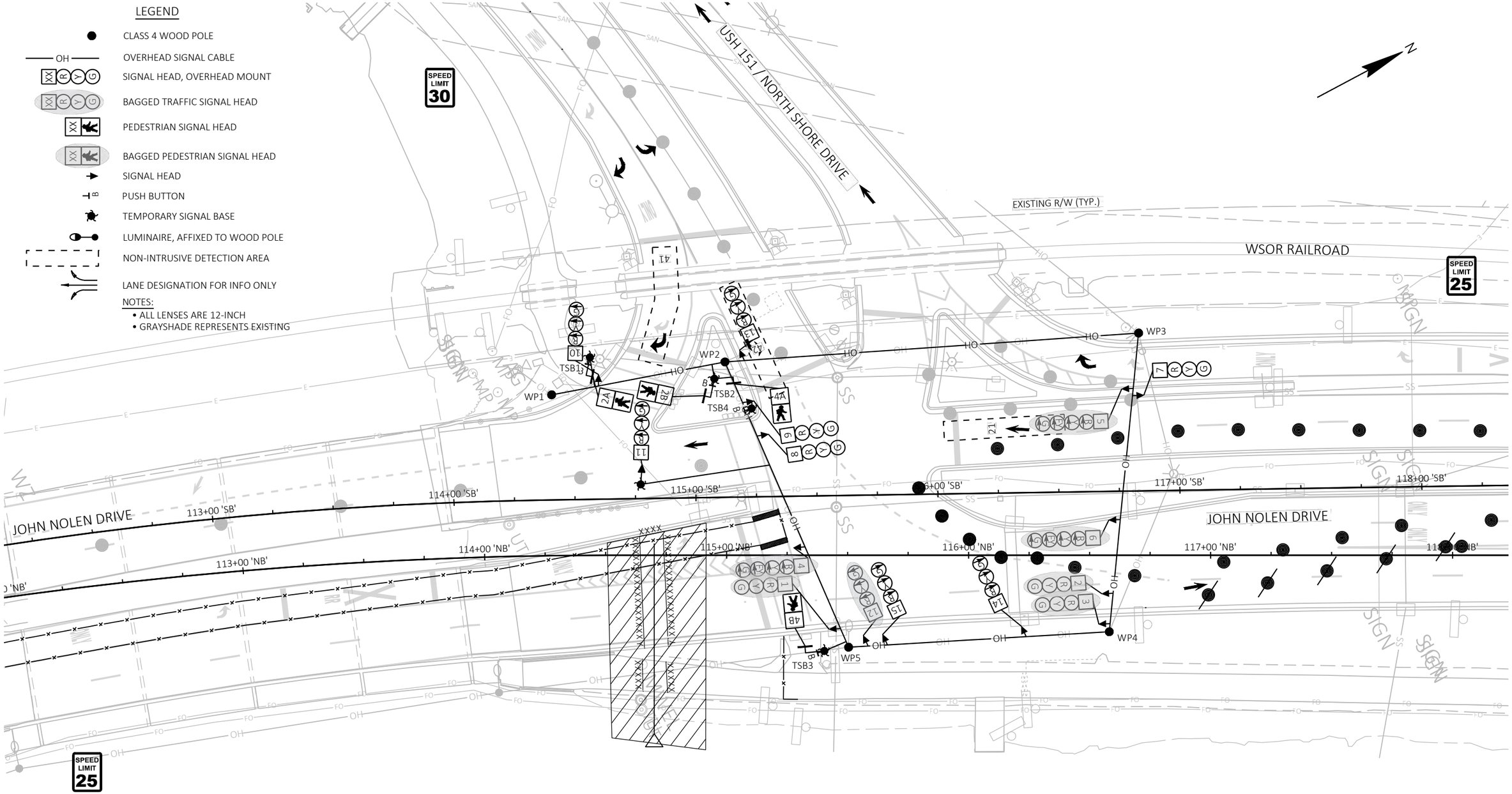
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LAYOUT NAME - NSD 1 IN 40 FT
PLOT DATE : 5/23/2025 3:21 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 2 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1 (OFF-PEAK)	SHEET 383	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 1_OFF PEAK.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 3:22 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

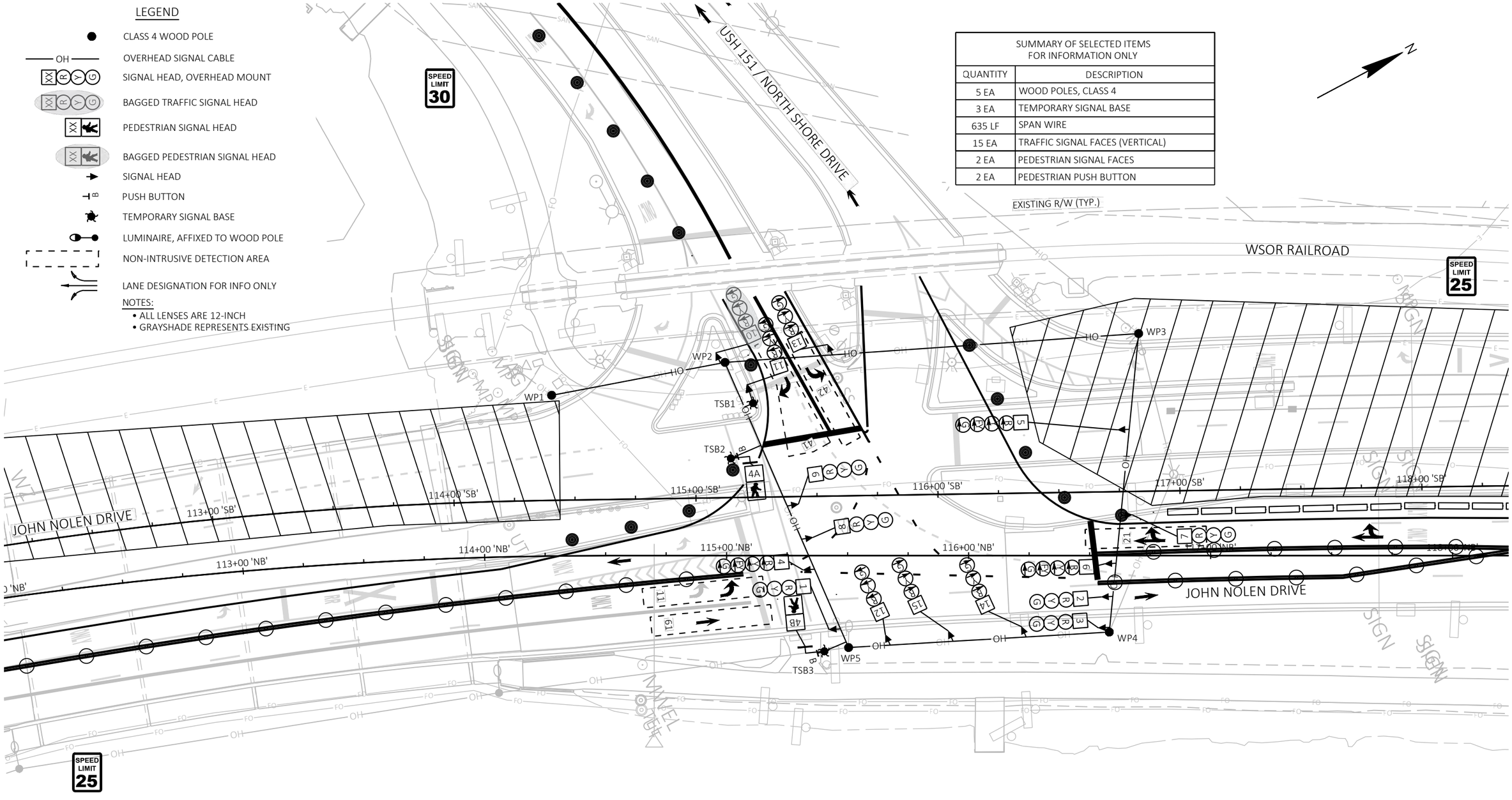
2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
5 EA	WOOD POLES, CLASS 4
3 EA	TEMPORARY SIGNAL BASE
635 LF	SPAN WIRE
15 EA	TRAFFIC SIGNAL FACES (VERTICAL)
2 EA	PEDESTRIAN SIGNAL FACES
2 EA	PEDESTRIAN PUSH BUTTON



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2 (PEAK)	SHEET 384	E

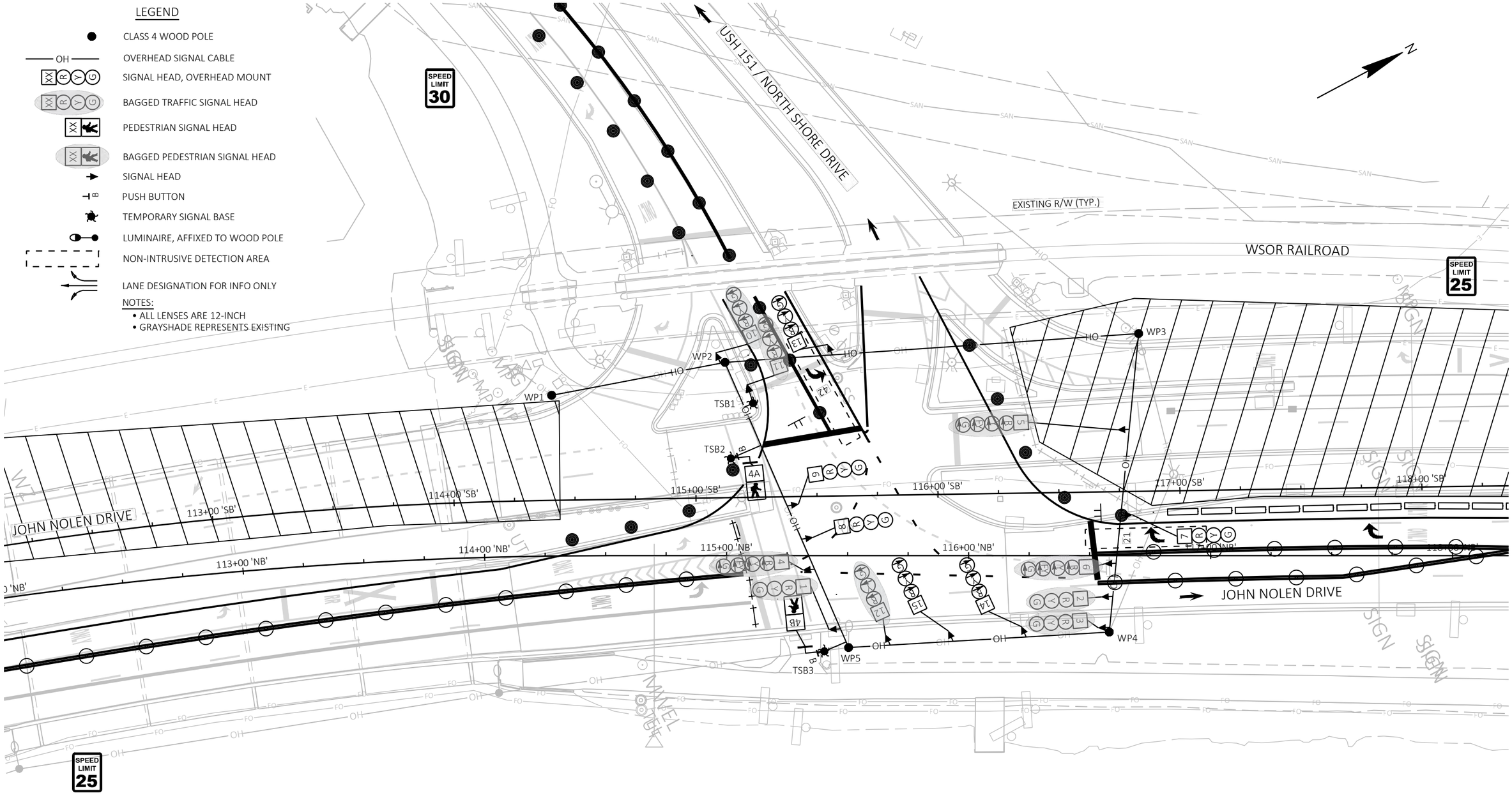
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LAYOUT NAME - NSD 1 IN 40 FT
PLOT DATE : 5/23/2025 3:29 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
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- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 4 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2 (OFF-PEAK)	SHEET 385	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2_OFF PEAK.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 3:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

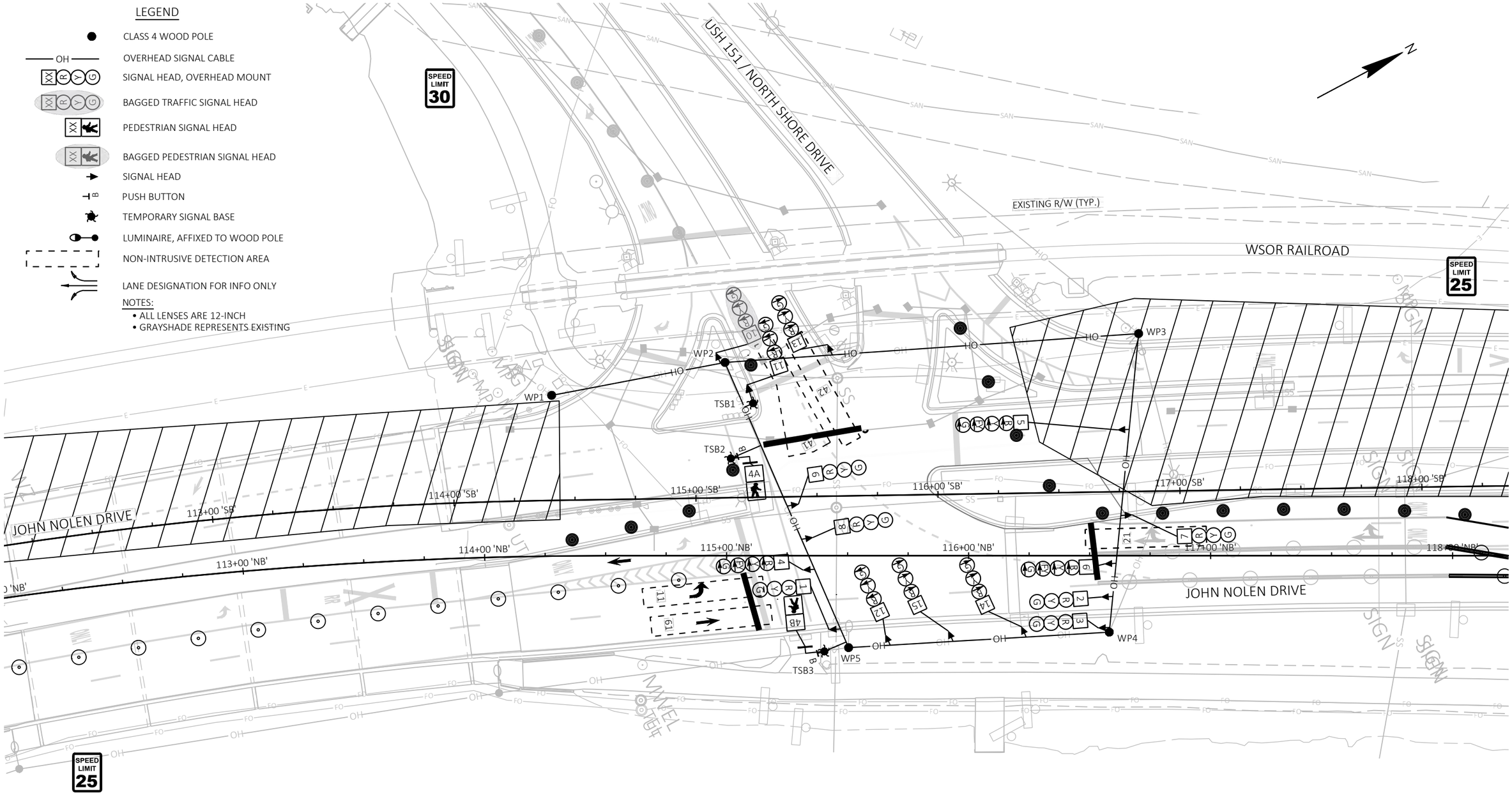
WISDOT/CADDS SHEET 42

2

LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED:

PAGE 5 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2A	SHEET 386	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2A.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 3:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

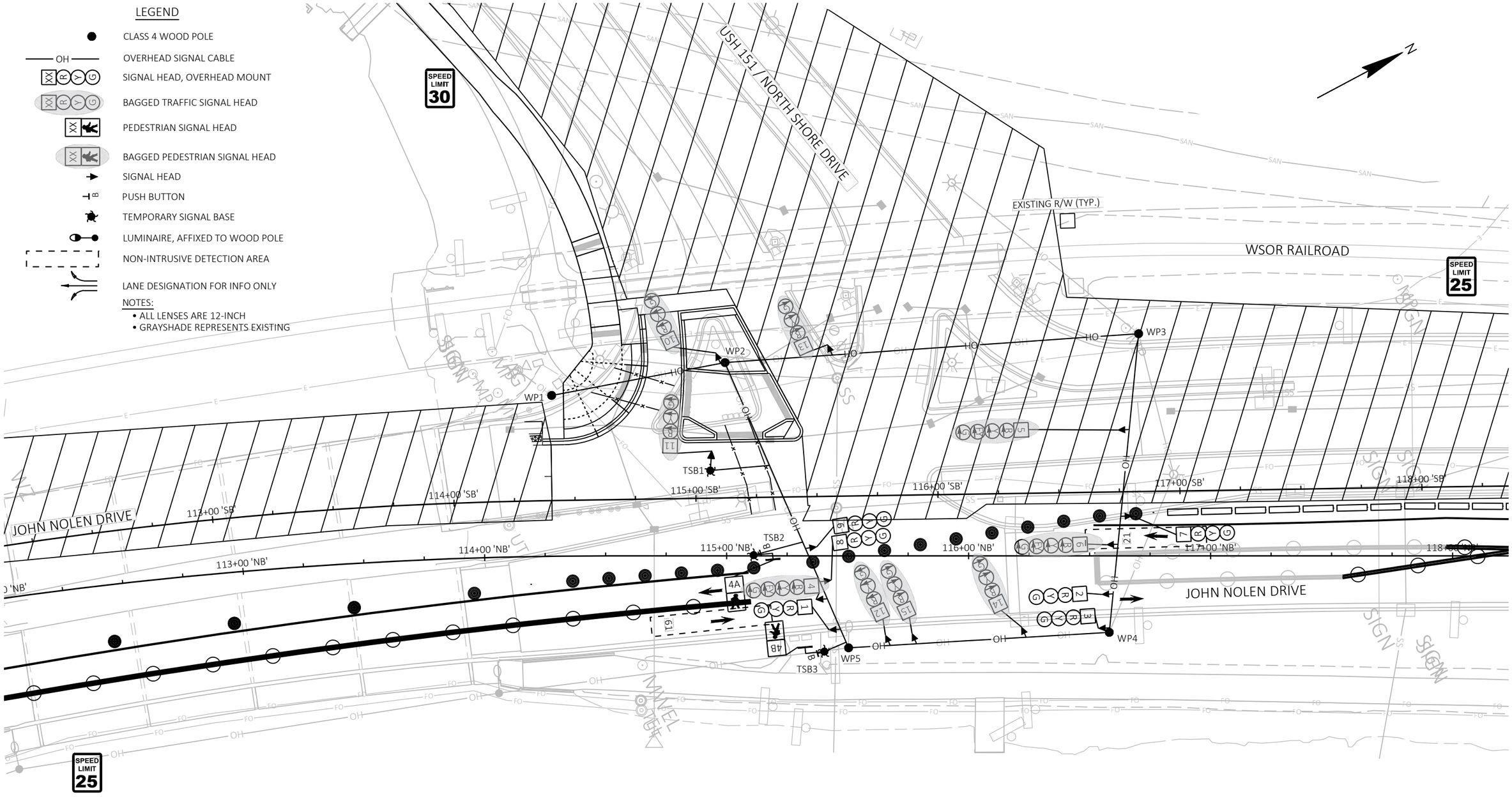
WISDOT/CADDS SHEET 42

2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2B (PED ACCOMMODATION DETAIL 1)	SHEET 387	E

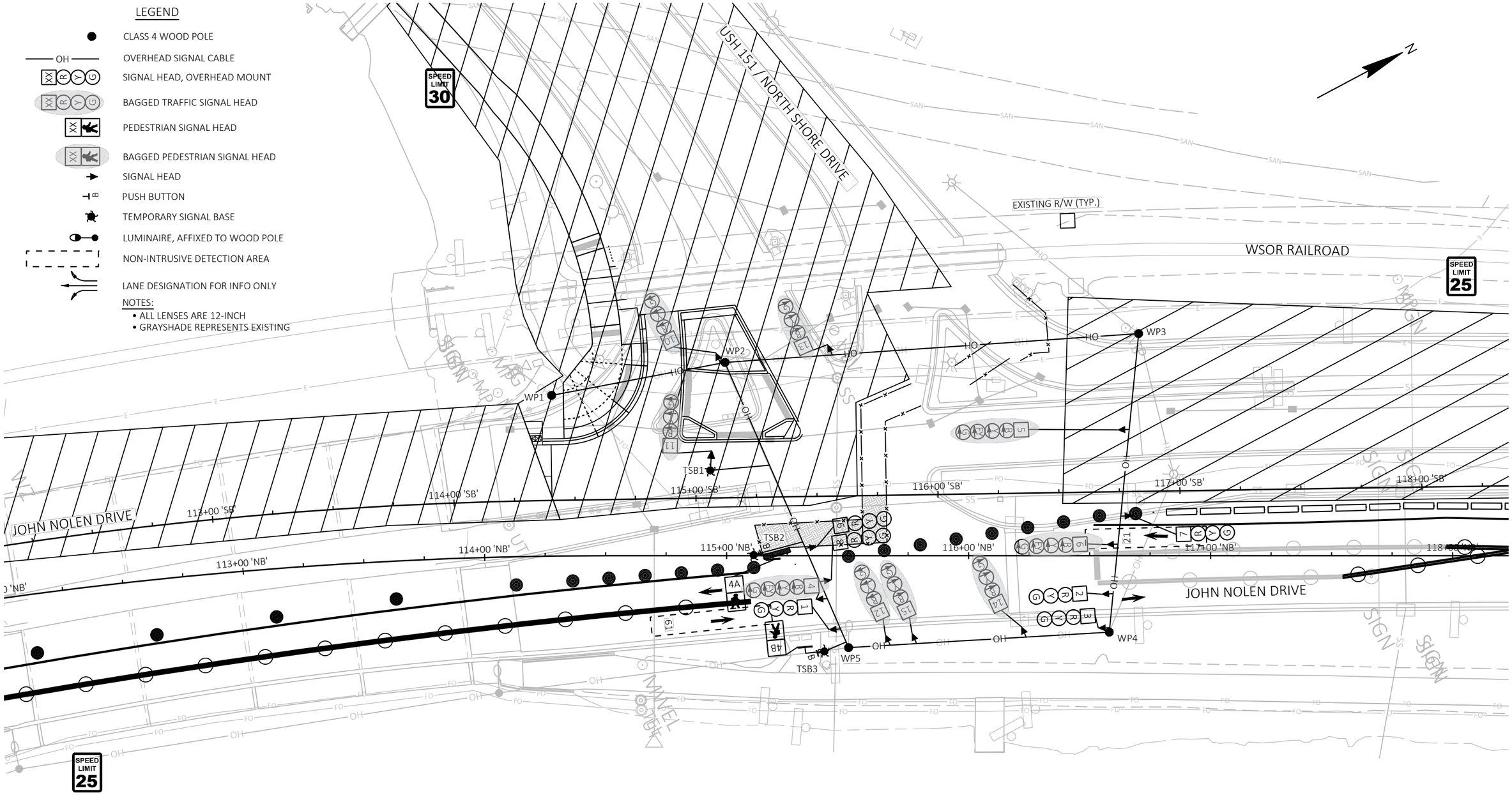
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LAYOUT NAME - NSD 1 IN 40 FT
PLOT DATE : 5/23/2025 4:34 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- B — PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PAGE 7 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2B (PED ACCOMMODATION DETAIL 2)	SHEET 388	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2B_PED 2.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 4:34 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

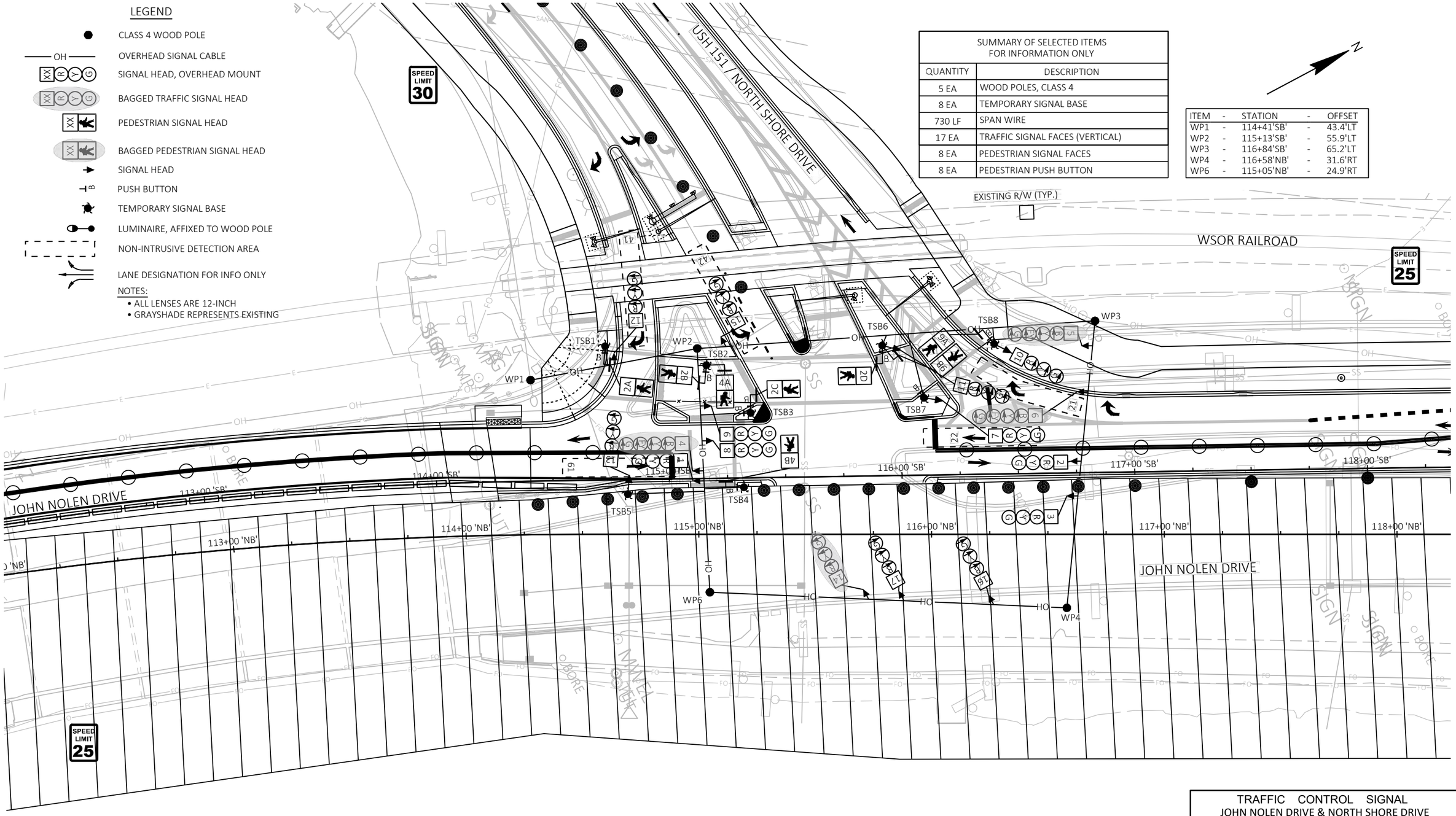
LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
5 EA	WOOD POLES, CLASS 4
8 EA	TEMPORARY SIGNAL BASE
730 LF	SPAN WIRE
17 EA	TRAFFIC SIGNAL FACES (VERTICAL)
8 EA	PEDESTRIAN SIGNAL FACES
8 EA	PEDESTRIAN PUSH BUTTON

ITEM	-	STATION	-	OFFSET
WP1	-	114+41'SB'	-	43.4'LT
WP2	-	115+13'SB'	-	55.9'LT
WP3	-	116+84'SB'	-	65.2'LT
WP4	-	116+58'NB'	-	31.6'RT
WP6	-	115+05'NB'	-	24.9'RT



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3 (PEAK)	SHEET 389	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 3.DWG
LAYOUT NAME - NSD 1 IN 40 FT
PLOT DATE : 5/23/2025 4:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

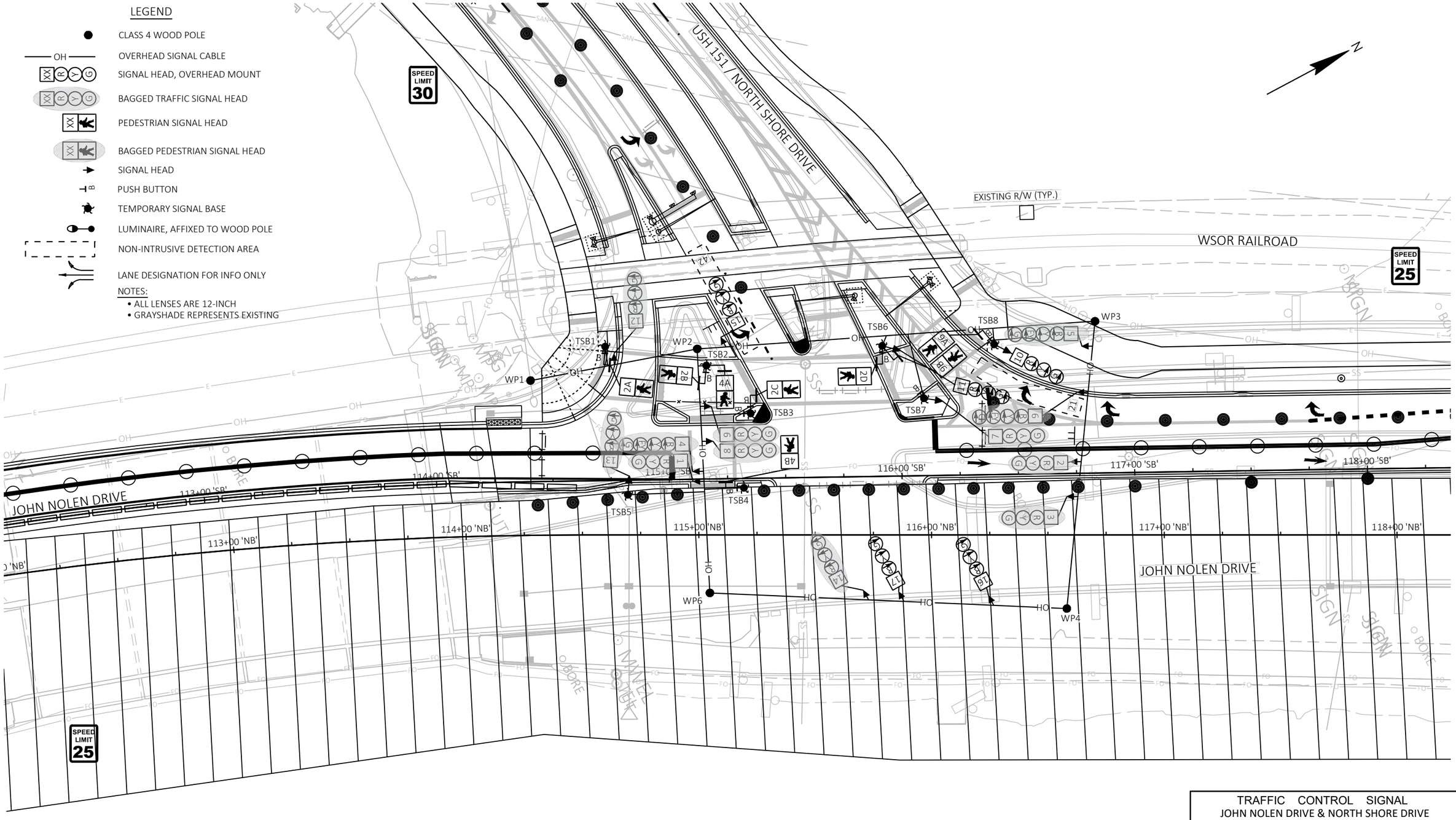
2

2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3 (OFF-PEAK)	SHEET 390	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 3_OFF PEAK.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 4:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

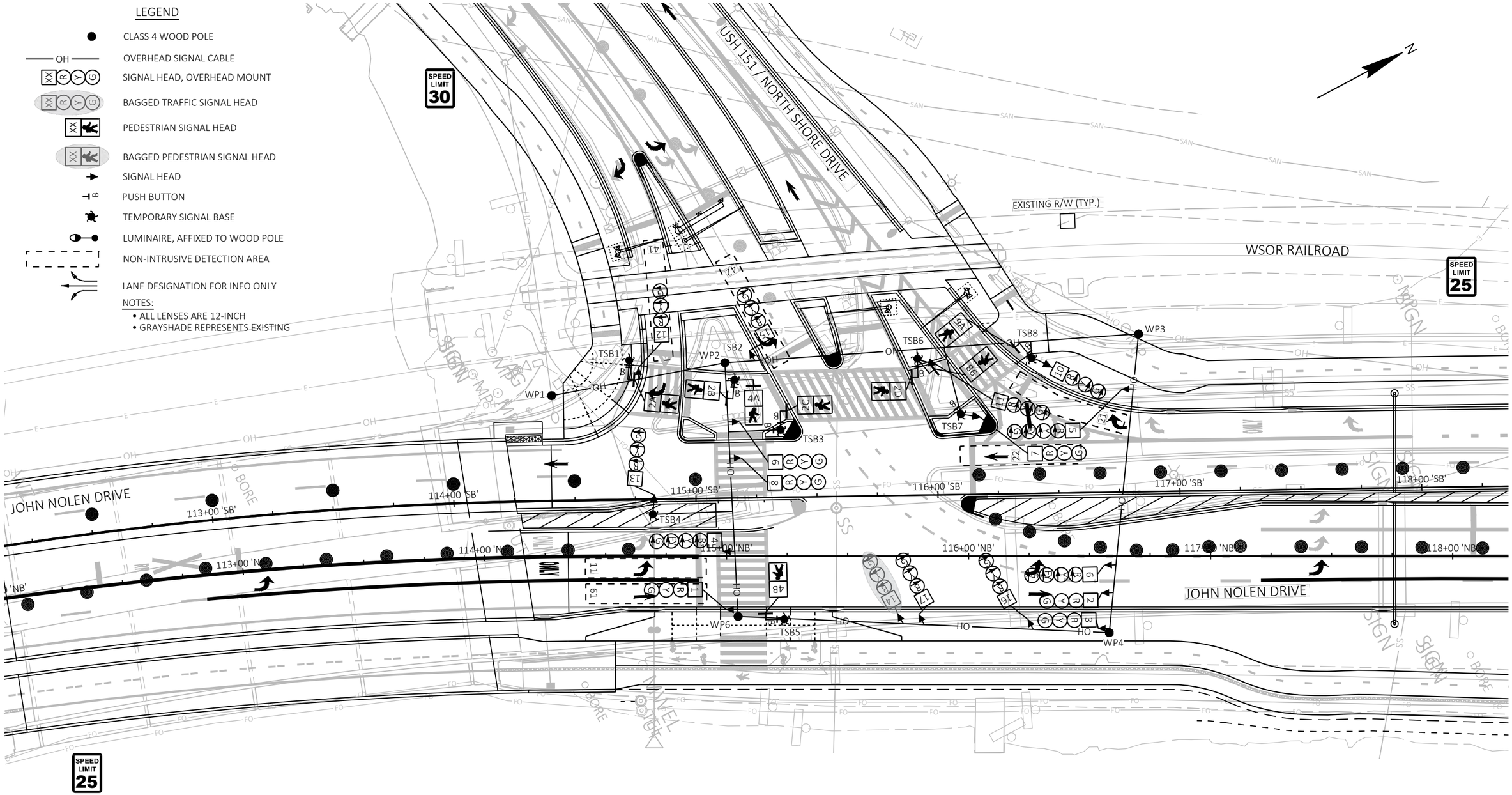
2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4 (PEAK)	SHEET 391	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 4.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 4:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

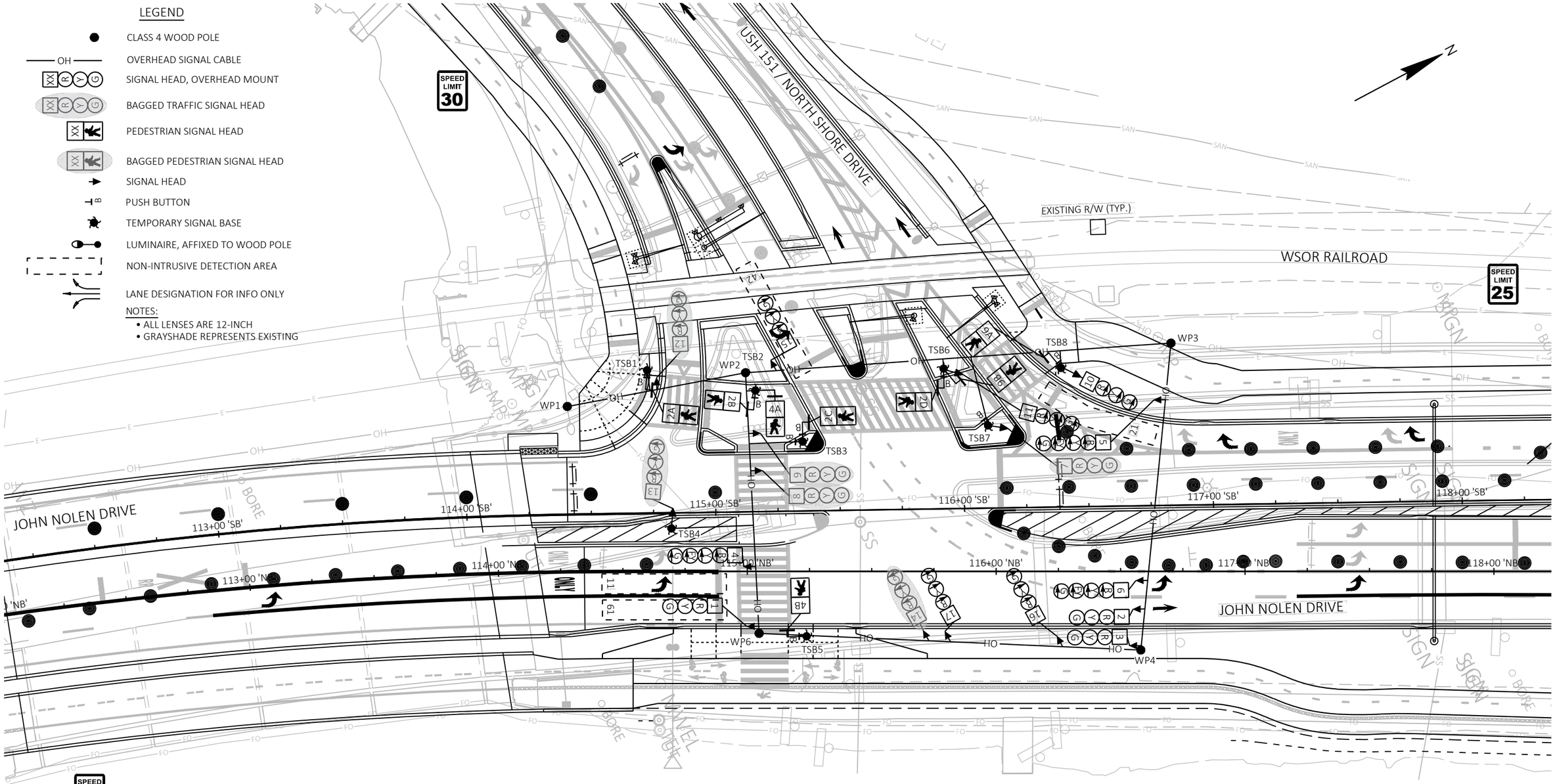
2

LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- PUSH BUTTON
- TEMPORARY SIGNAL BASE
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED:

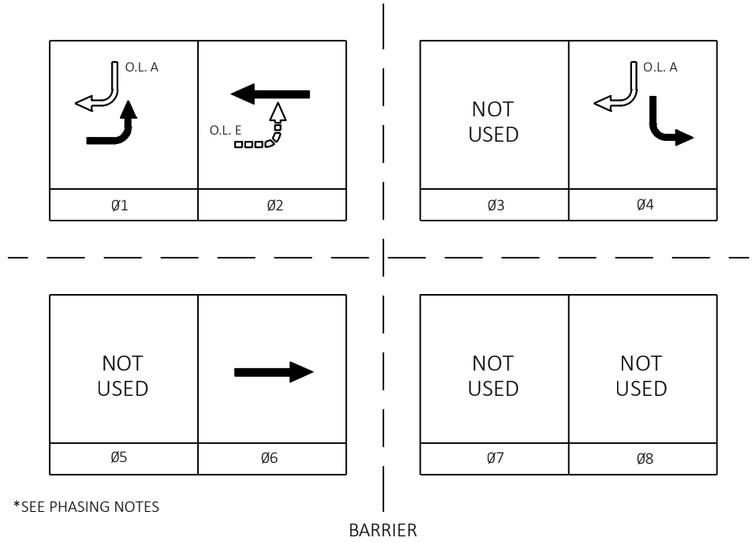
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4 (OFF-PEAK)	SHEET 392	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 4_OFF PEAK.DWG
LAYOUT NAME - NSD 1 IN 40 FT

PLOT DATE : 5/23/2025 4:43 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9	R
Ø3		
Ø4	13,14,15	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED		
Ø8 PED		

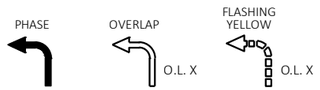
O.L. ASSIGNMENTS			
O.L.A	10,11,12	R →	Ø1
O.L.B			
O.L.C			
O.L.D			
O.L.E	4,5,6	R ←	Ø2
O.L.F			
O.L.G			
O.L.H			



PHASING NOTES

- PHASE 1 SHALL LAG PHASE 2.
- PHASE 1,6, AND O.L.E SHALL NOT TIME DURING CONSTRUCTION STAGE 1 IN THE OFF PEAK HOURS WHEN EB JOHN NOLEN DRIVE IS CLOSED TO TRAFFIC.
- PHASE 2, EB NORTH SHORE DRIVE MOVEMENTS, AND SB NORTH SHORE DRIVE RIGHT TURN MOVEMENTS TO NOT TIME DURING CONSTRUCTION STAGE 2 IN THE OFF PEAK HOURS WHEN EB AND WB JOHN NOLEN DRIVE IS CLOSED TO TRAFFIC.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				X
2		6	MIN	X
3				
4				X
5				
6		2	MIN	X
7				
8				

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

CENTRAL SYSTEM
LOCATION OF MASTER
CONTROLLER NO.: N/A
SIGNAL SYSTEM #:

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	41	42	61			
PHASE CALLED	1	2	4	4	6			
PHASE EXTENDED	1	2	4	4	6			
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

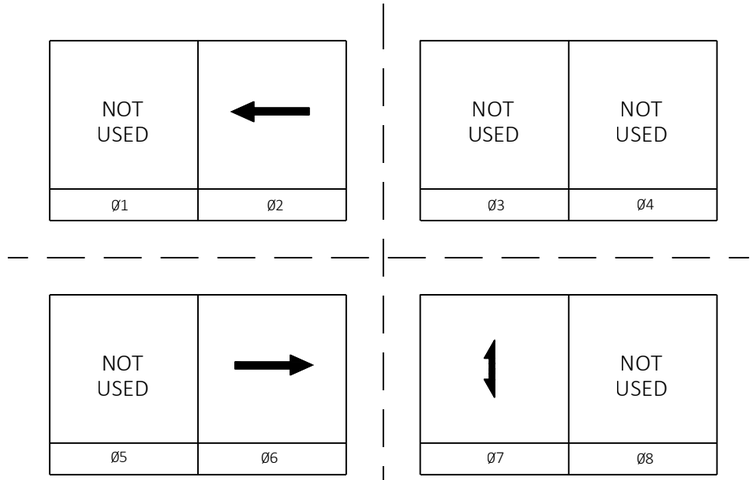
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 1, 2, & 2A	SHEET 393	E

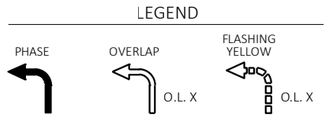
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - NSD 1 IN 40 FT - 1
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3		
Ø4		
Ø5		
Ø6	7,8,9	R
Ø7	4A,4B	
Ø8		
Ø2 PED		
Ø4 PED		
Ø6 PED		
Ø8 PED		

O.L. ASSIGNMENTS
O.L.A
O.L.B
O.L.C
O.L.D
O.L.E
O.L.F
O.L.G
O.L.H



*SEE PHASING NOTES



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4				
5				
6		2	MIN	X
7				X
8				

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

CENTRAL SYSTEM
LOCATION OF MASTER
CONTROLLER NO.: N/A
SIGNAL SYSTEM #:

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	61						
PHASE CALLED	2	6						
PHASE EXTENDED	2	6						
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

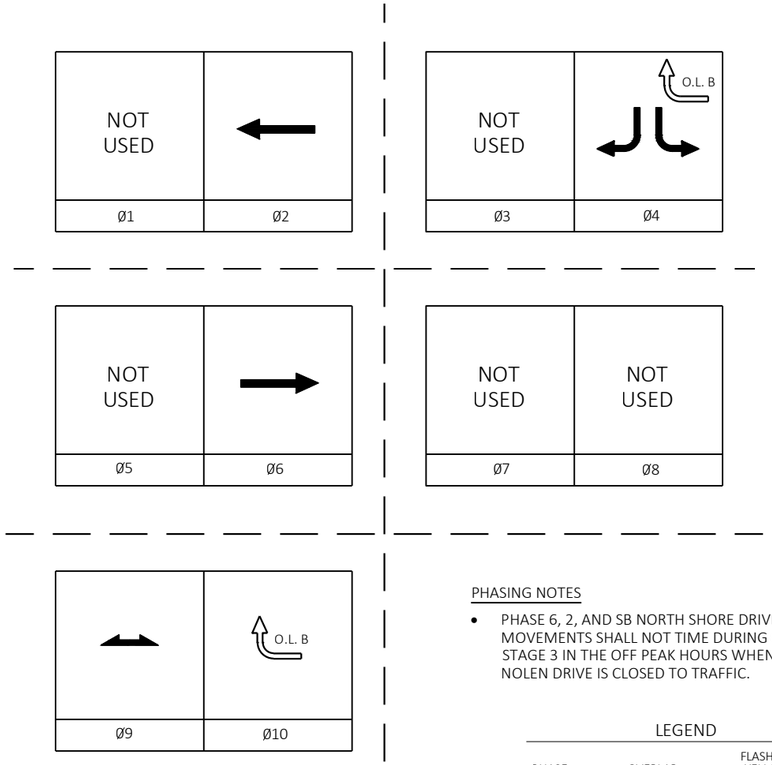
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 2B	SHEET 394	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - NSD 1 IN 40 FT - 2
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	7,8,9	R
Ø3		
Ø4	12,13,15,16,17	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø9	9A,9B	
Ø10		
Ø2 PED	2A,2B,2C,2D	
Ø4 PED	4A,4B	
Ø6 PED		
Ø8 PED		

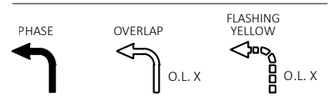
O.L. ASSIGNMENTS			
O.L.A			
O.L.B	10,11	R →	Ø4,10
O.L.C			
O.L.D			
O.L.E			
O.L.F			
O.L.G			
O.L.H			



PHASING NOTES

- PHASE 6, 2, AND SB NORTH SHORE DRIVE RIGHT TURN MOVEMENTS SHALL NOT TIME DURING CONSTRUCTION STAGE 3 IN THE OFF PEAK HOURS WHEN EB AND WB JOHN NOLEN DRIVE IS CLOSED TO TRAFFIC.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MIN	X
3				
4				X
5				
6		2	MIN	X
7				
8				

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

CENTRAL SYSTEM
LOCATION OF MASTER
CONTROLLER NO.: N/A
SIGNAL SYSTEM #:

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	21	22	41	42	61			
PHASE CALLED	2	2	4	4	6			
PHASE EXTENDED	2	2	4	4	6			
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								DETECTOR #(S)
								PHASE CALLED
								PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

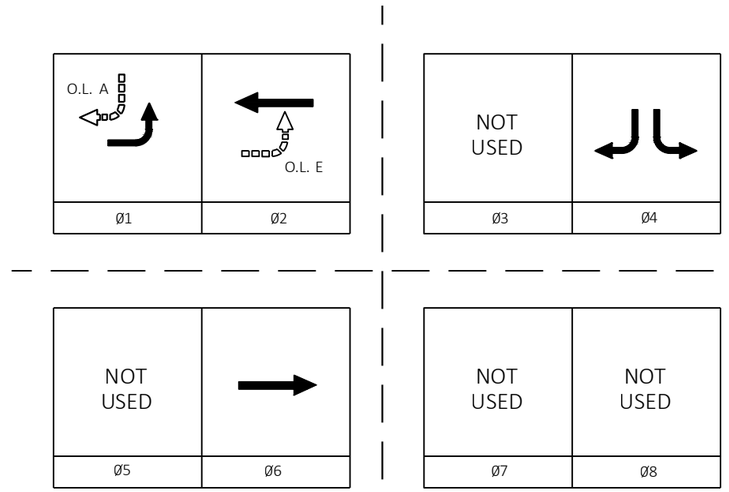
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 3	SHEET 395	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - NSD 1 IN 40 FT - 3
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9	R
Ø3		
Ø4	12,13,15,16,17	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø9	9A,9B	
Ø10		
Ø2 PED	2A,2B,2C,2D	
Ø4 PED	4A,4B	
Ø6 PED		
Ø8 PED		

			O.L. ASSIGNMENTS
O.L.A	12,13	R →	Ø1
O.L.B	10,11	R →	Ø4,10
O.L.C			
O.L.D			
O.L.E	4,5,6	R ←	Ø2
O.L.F			
O.L.G			
O.L.H			



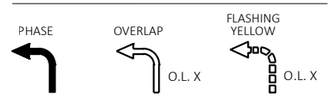
*SEE PHASING NOTES

BARRIER

PHASING NOTES

- PHASE 2, O.L.A, AND SB NORTH SHORE DRIVE RIGHT TURN MOVEMENTS SHALL NOT TIME DURING CONSTRUCTION STAGE 4 IN THE OFF PEAK HOURS WHEN WB JOHN NOLEN DRIVE IS CLOSED TO TRAFFIC.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				X
2		6	MIN	X
3				
4				X
5				
6		2	MIN	X
7				
8				



CENTRAL SYSTEM	
LOCATION OF MASTER	
CONTROLLER NO.:	N/A
SIGNAL SYSTEM #:	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	22	41	42	61		
PHASE CALLED	1	2	2	4	4	6		
PHASE EXTENDED	1	2	2	4	4	6		
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & NORTH SHORE DRIVE
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

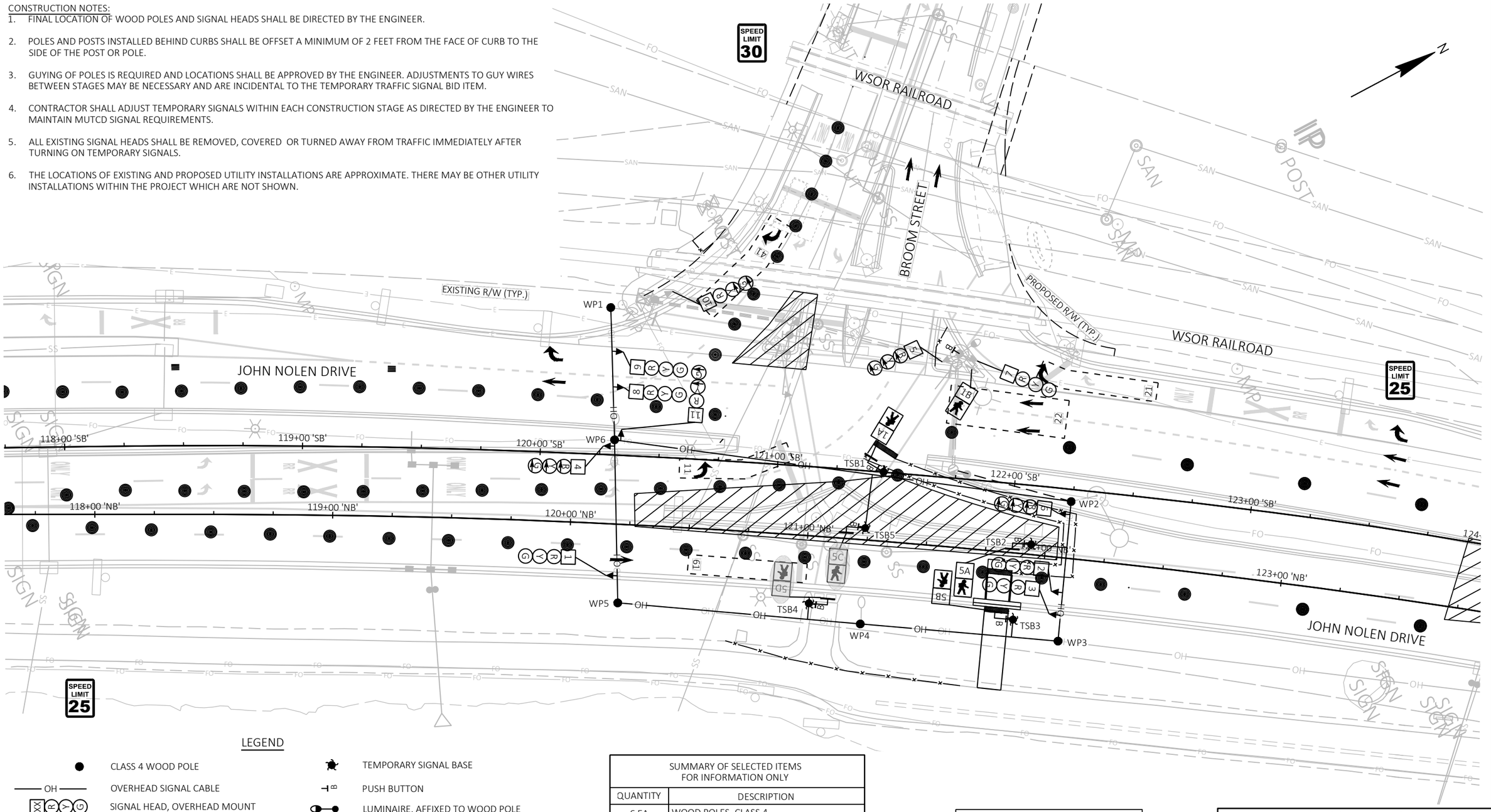
PAGE 15 OF 15

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 4	SHEET 396	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - NSD 1 IN 40 FT - 4
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. FINAL LOCATION OF WOOD POLES AND SIGNAL HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POST OR POLE.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ADJUSTMENTS TO GUY WIRES BETWEEN STAGES MAY BE NECESSARY AND ARE INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM.
4. CONTRACTOR SHALL ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
5 EA	TEMPORARY SIGNAL BASE
610 LF	SPAN WIRE
8 EA	TRAFFIC SIGNAL FACES (VERTICAL)
5 EA	PEDESTRIAN SIGNAL FACES
5 EA	PEDESTRIAN PUSH BUTTONS

ITEM	-	STATION	-	OFFSET
WP1	-	120+27'SB'	-	61.8'LT
WP2	-	122+24'SB'	-	05.1'RT
WP3	-	122+09'NB'	-	35.1'RT
WP4	-	121+25'NB'	-	35.4'RT
WP5	-	120+22'NB'	-	33.1'RT
WP6	-	120+31'SB'	-	06.3'LT

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

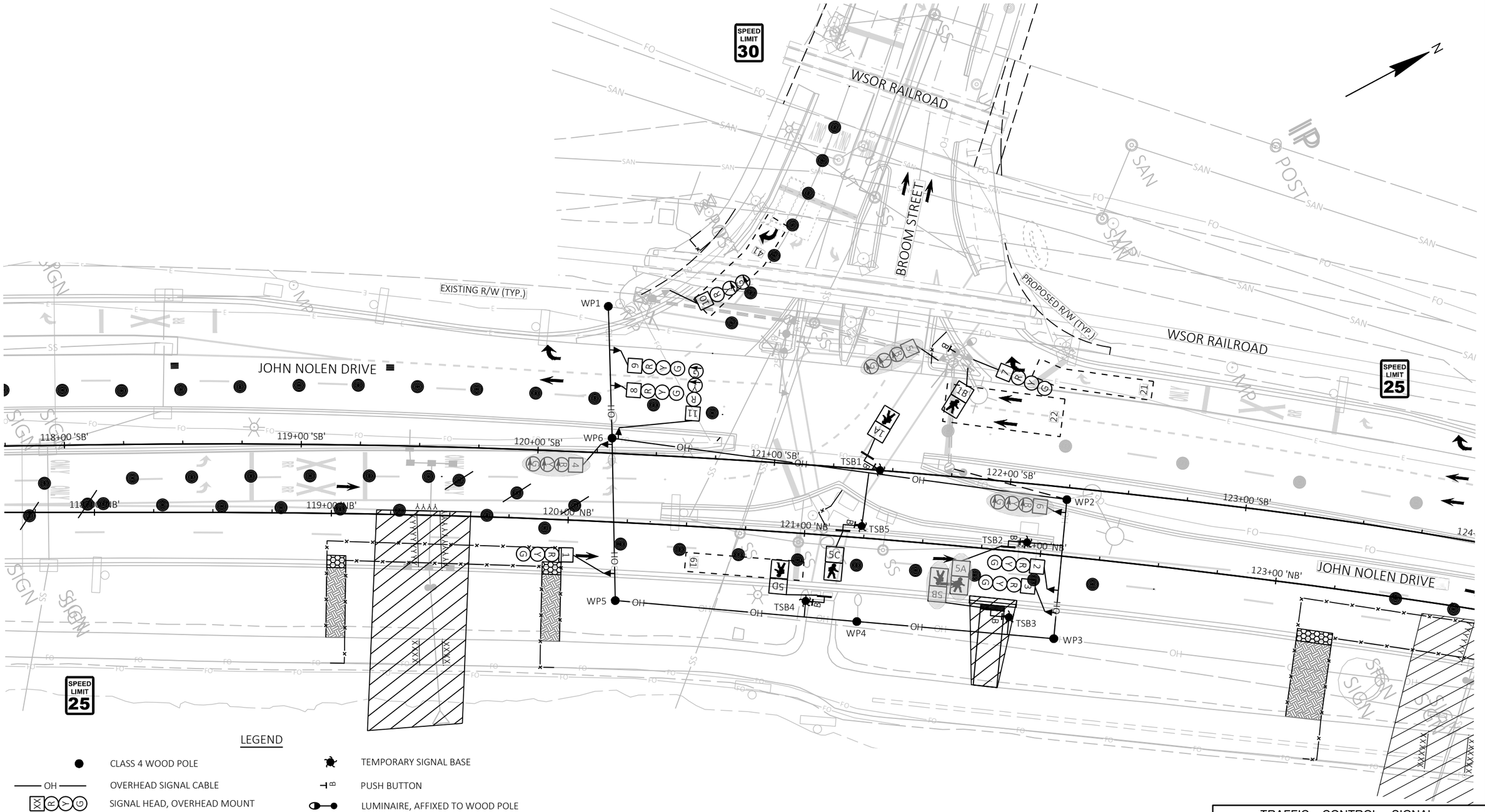
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21 | HWY: JOHN NOLEN DRIVE | COUNTY: DANE | TEMPORARY TRAFFIC SIGNALS - STAGE 1 (PEAK) | SHEET 397 | E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 1.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 3:22 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

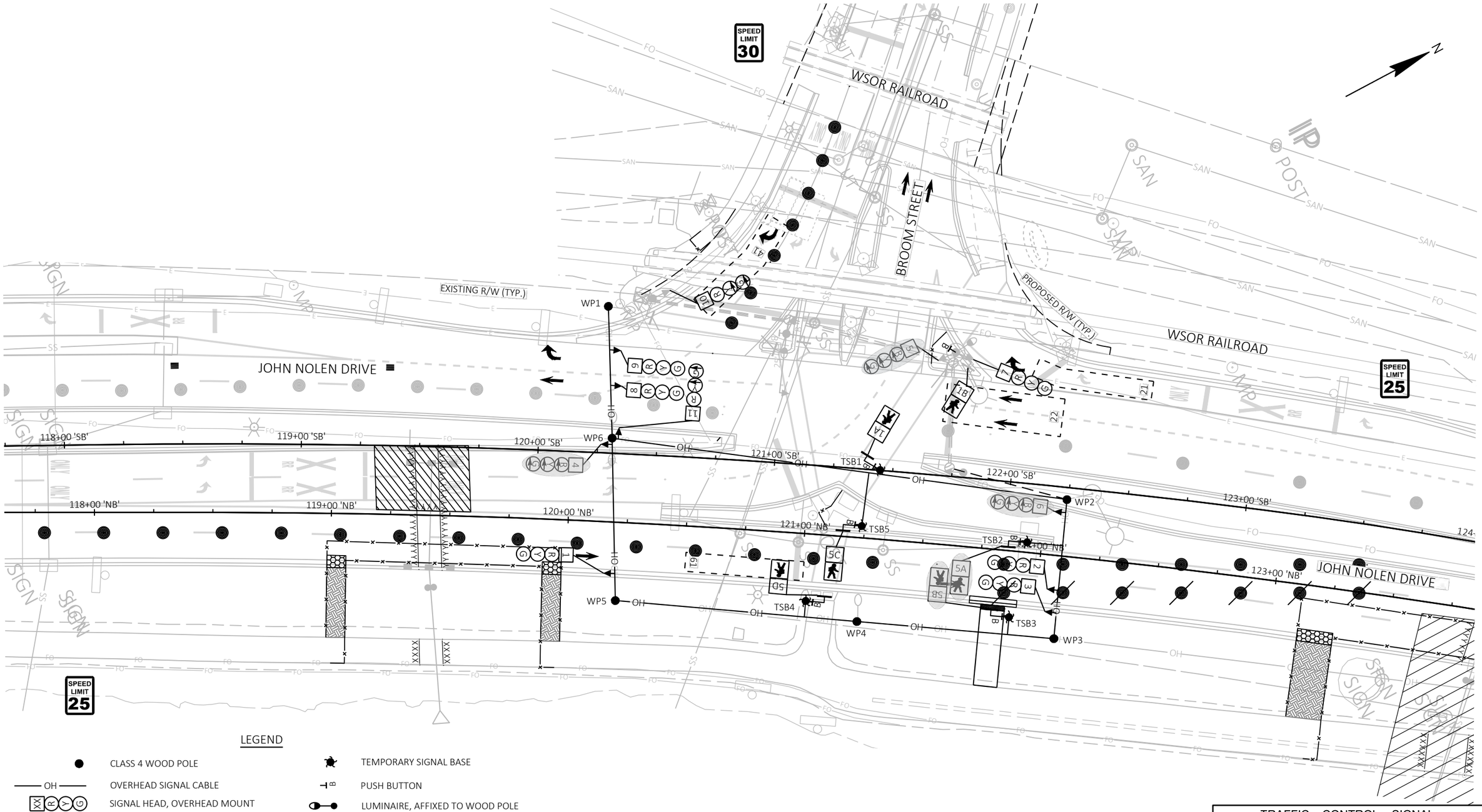
SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1 (OFF-PEAK) DETAIL 1	SHEET 398	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 1_OFF PEAK.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 3:23 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

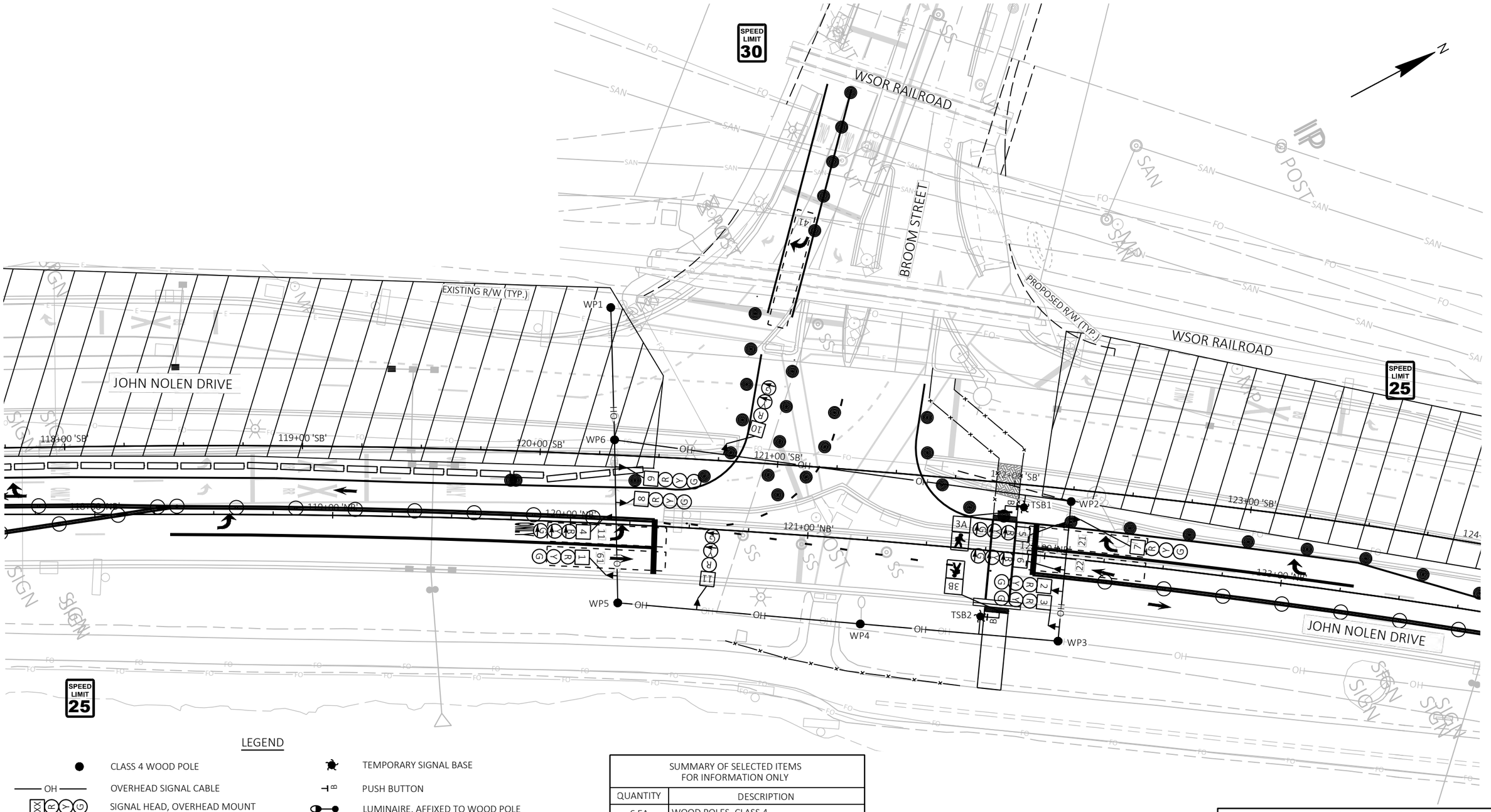
SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 1 (OFF-PEAK) DETAIL 2	SHEET 399	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 1_OFF PEAK.DWG
LAYOUT NAME - BROOM 1 IN 40 FT (2)
PLOT DATE : 5/23/2025 3:23 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
2 EA	TEMPORARY SIGNAL BASE
610 LF	SPAN WIRE
11 EA	TRAFFIC SIGNAL FACES (VERTICAL)
2 EA	PEDESTRIAN SIGNAL FACES
2 EA	PEDESTRIAN PUSH BUTTON

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

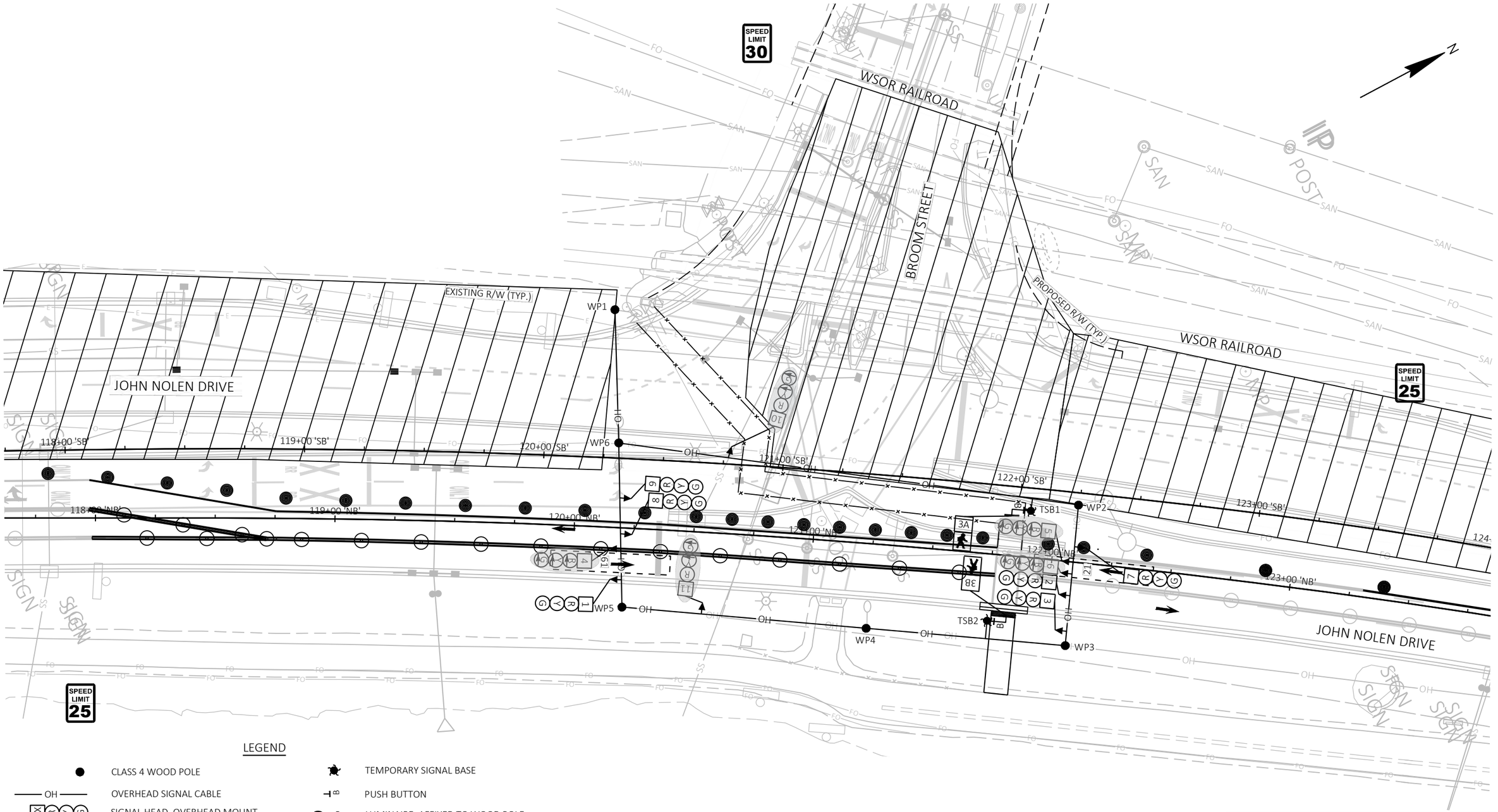
SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2 (PEAK & OFF-PEAK)	SHEET 400	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 3:29 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

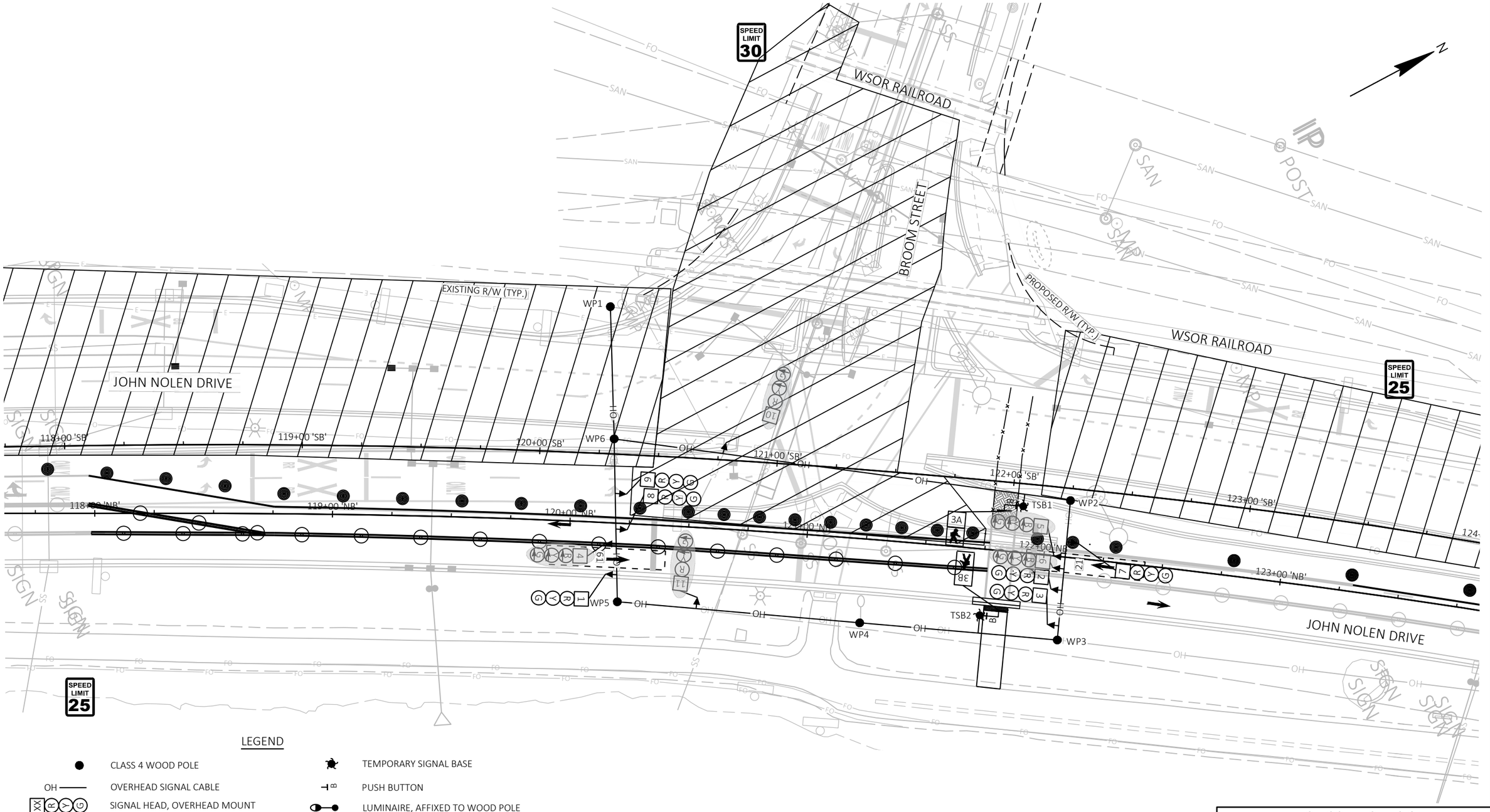
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2A (PED ACCOMODATION DETAIL 1)	SHEET 401	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2A.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 3:34 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

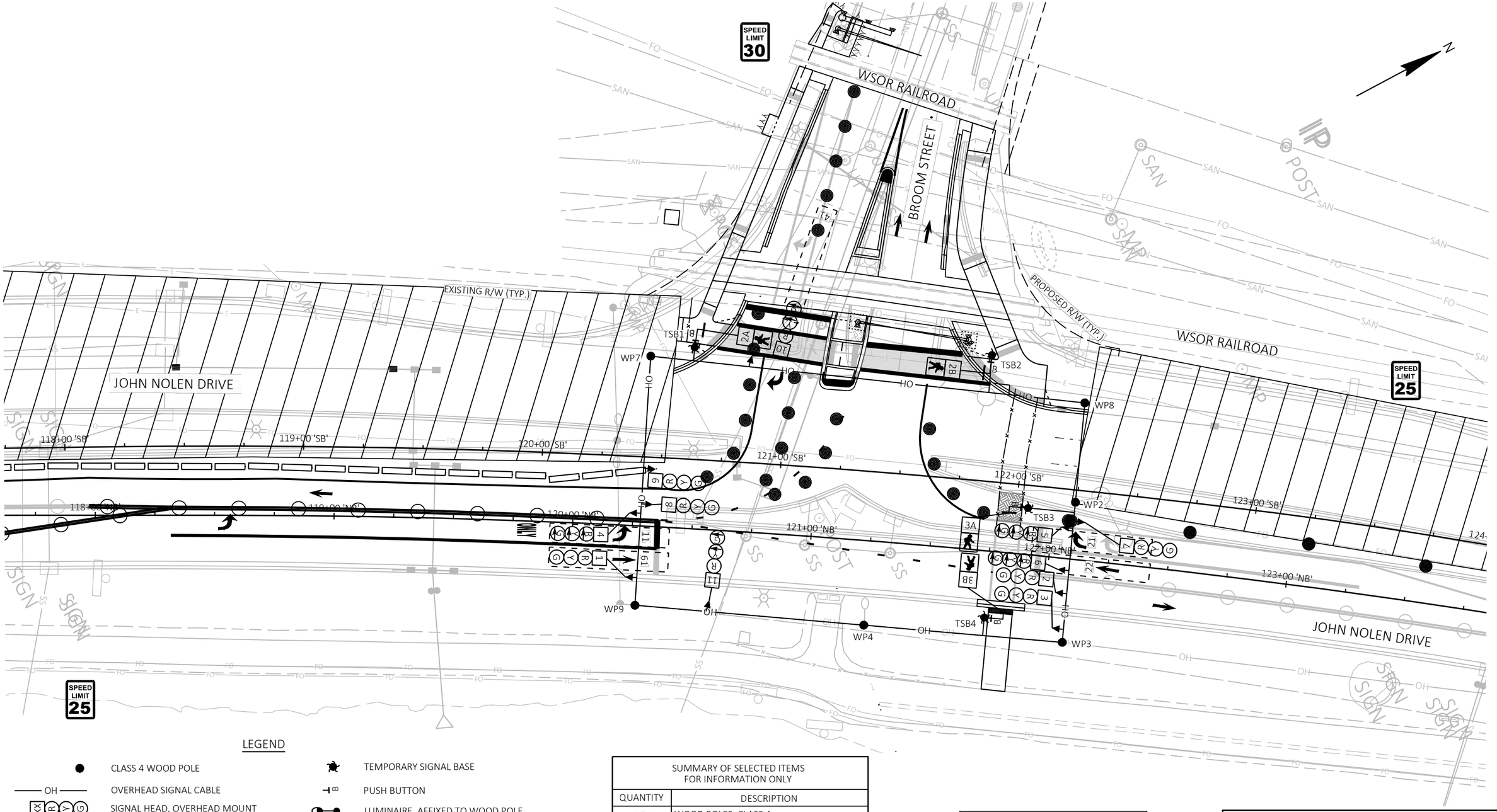
SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2A (PED ACCOMODATION DETAIL 2)	SHEET 402	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2A_PED 2.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 3:35 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- CLASS 4 WOOD POLE
- OH — OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
4 EA	TEMPORARY SIGNAL BASE
620 LF	SPAN WIRE
11 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	PEDESTRIAN SIGNAL FACES
4 EA	PEDESTRIAN PUSH BUTTON

ITEM	-	STATION	-	OFFSET
WP2	-	122+24'SB'	-	05.1'RT
WP3	-	122+09'NB'	-	35.1'RT
WP4	-	121+25'NB'	-	35.4'RT
WP7	-	120+43'SB'	-	42.3'LT
WP8	-	122+24'SB'	-	36.7'LT
WB9	-	120.28'NB'	-	33.3'RT

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

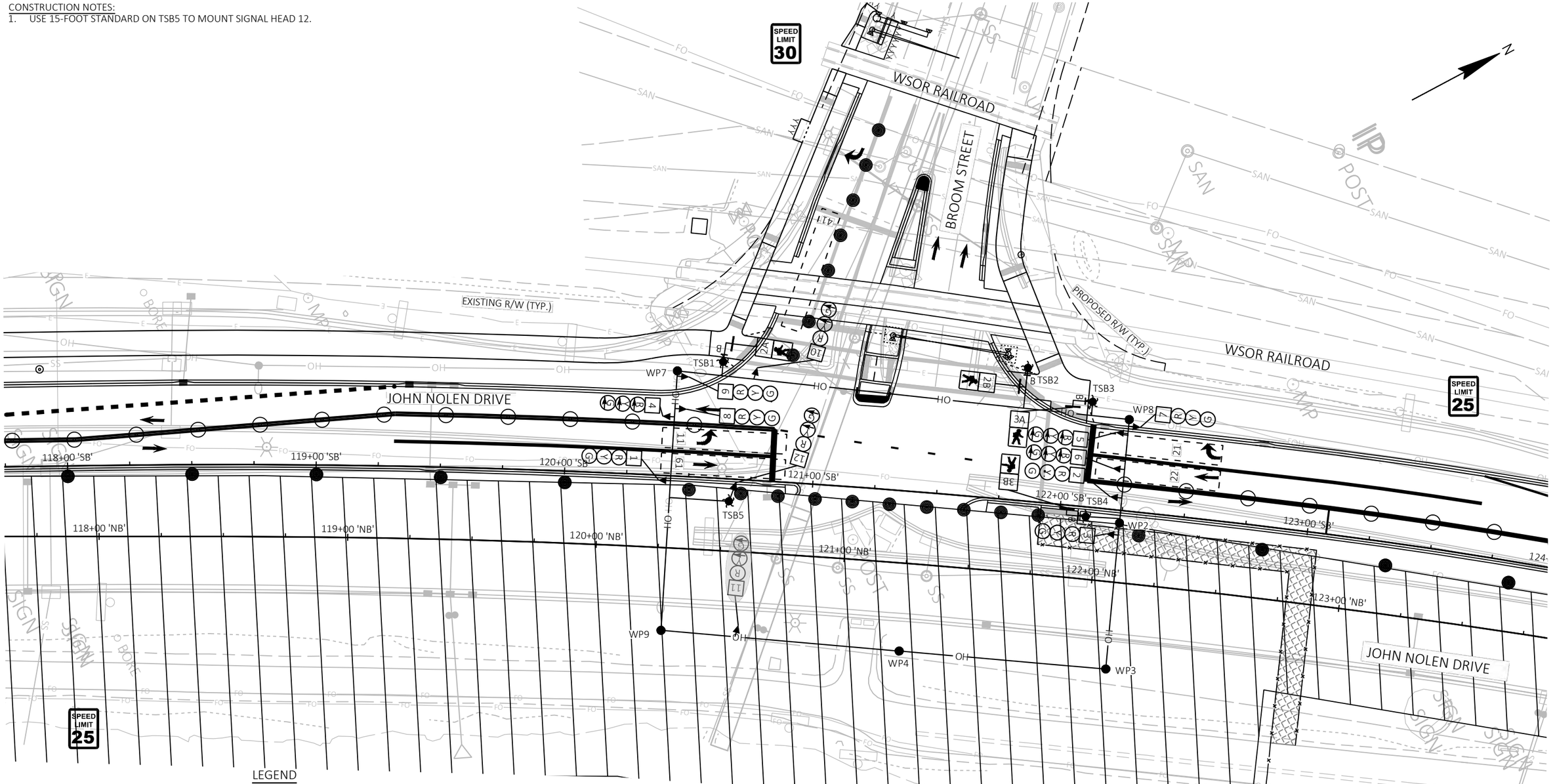
SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 2B	SHEET 403	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 2B.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 4:35 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:
1. USE 15-FOOT STANDARD ON TSB5 TO MOUNT SIGNAL HEAD 12.



LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY

QUANTITY	DESCRIPTION
6 EA	WOOD POLES, CLASS 4
5 EA	TEMPORARY SIGNAL BASE
620 LF	SPAN WIRE
12 EA	TRAFFIC SIGNAL FACES (VERTICAL)
4 EA	PEDESTRIAN SIGNAL FACES
4 EA	PEDESTRIAN PUSH BUTTON

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

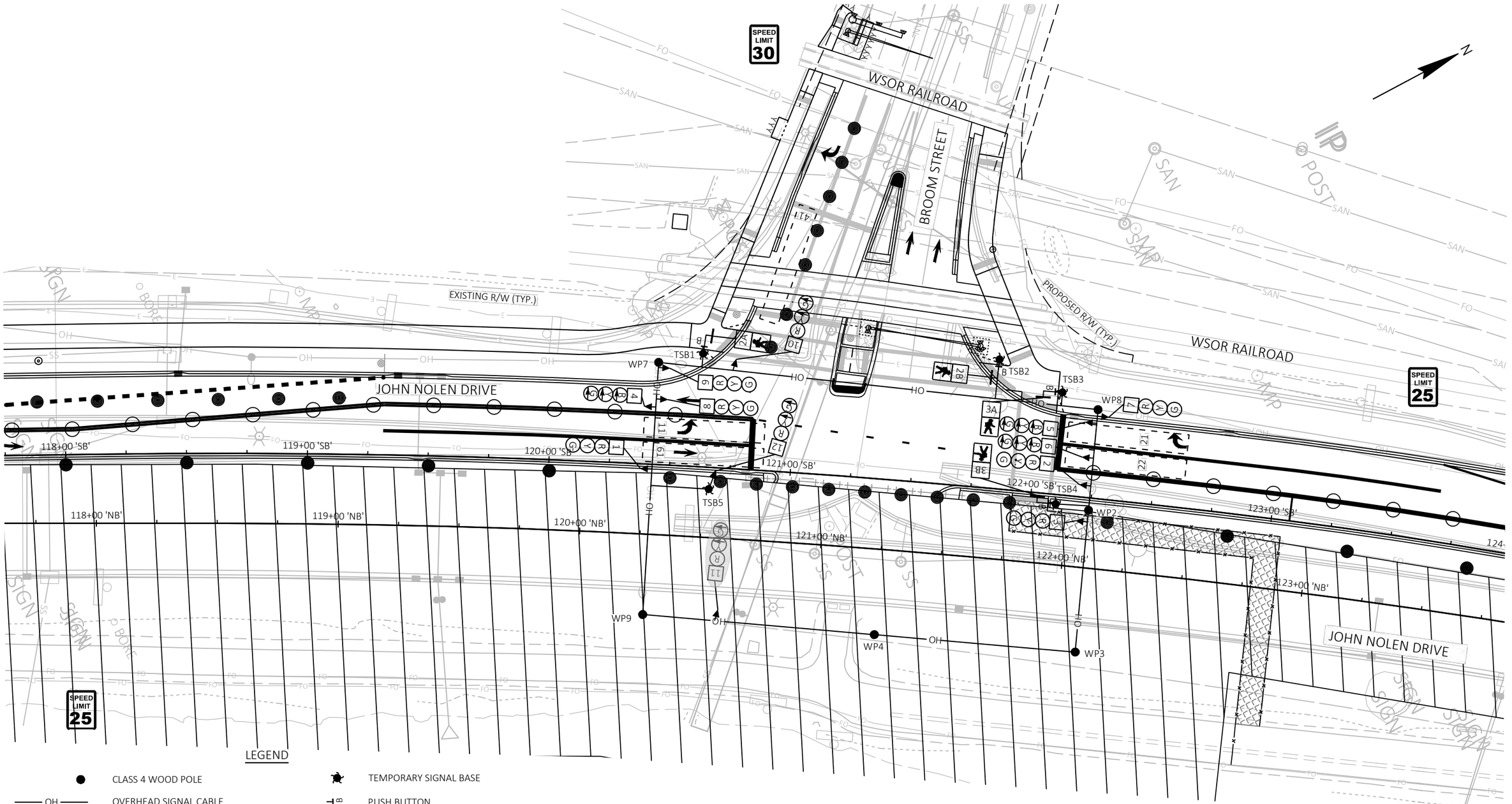
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3 (PEAK)	SHEET 404	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 3.DWG
LAYOUT NAME - BROOM 1 IN 40 FT
PLOT DATE : 5/23/2025 4:39 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2



LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

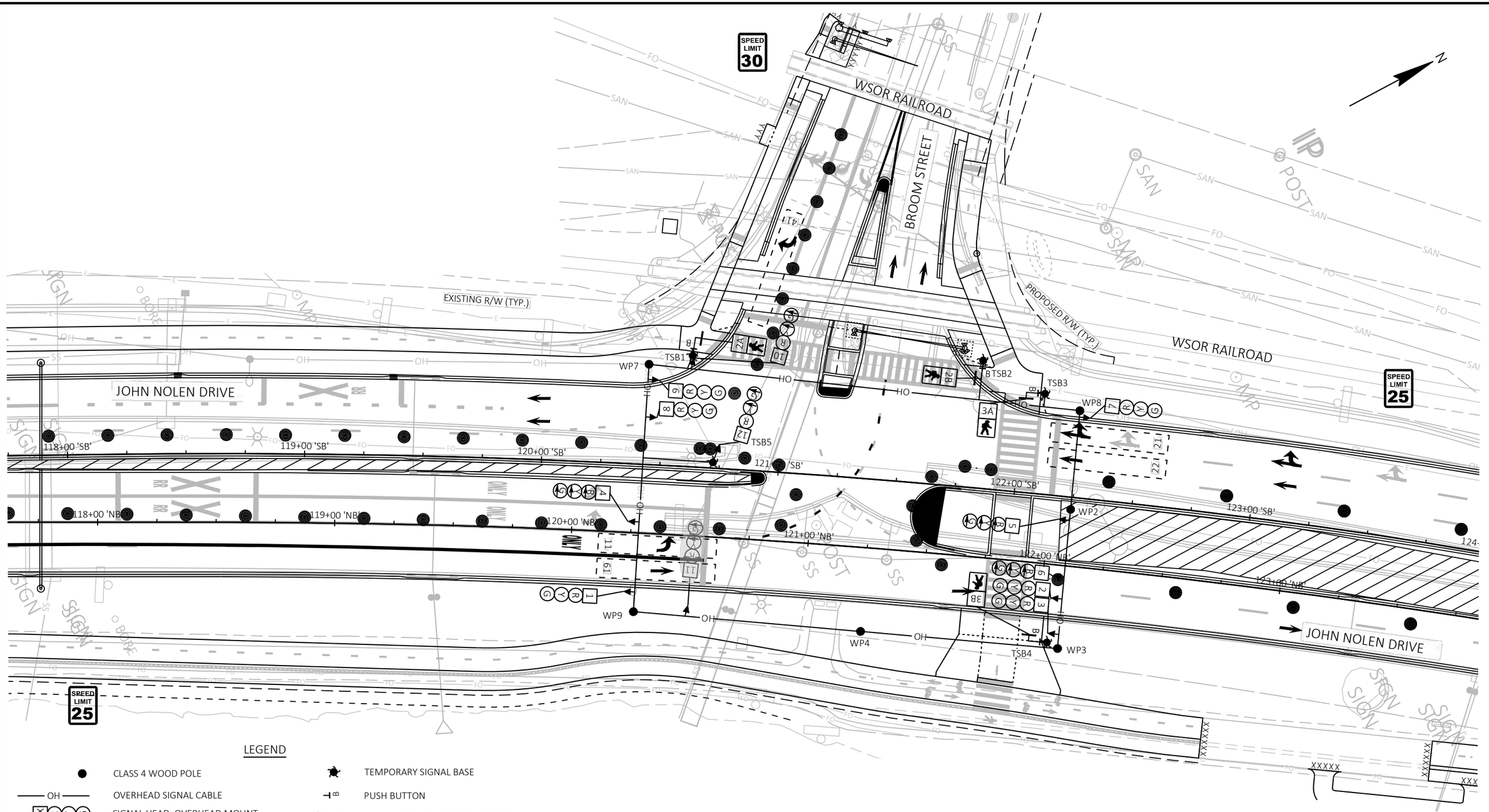
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 3 (OFF-PEAK)	SHEET 405	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 3_OFF PEAK.DWG
LAYOUT NAME - BROOM 1 IN 40 FT

PLOT DATE : 5/23/2025 4:39 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

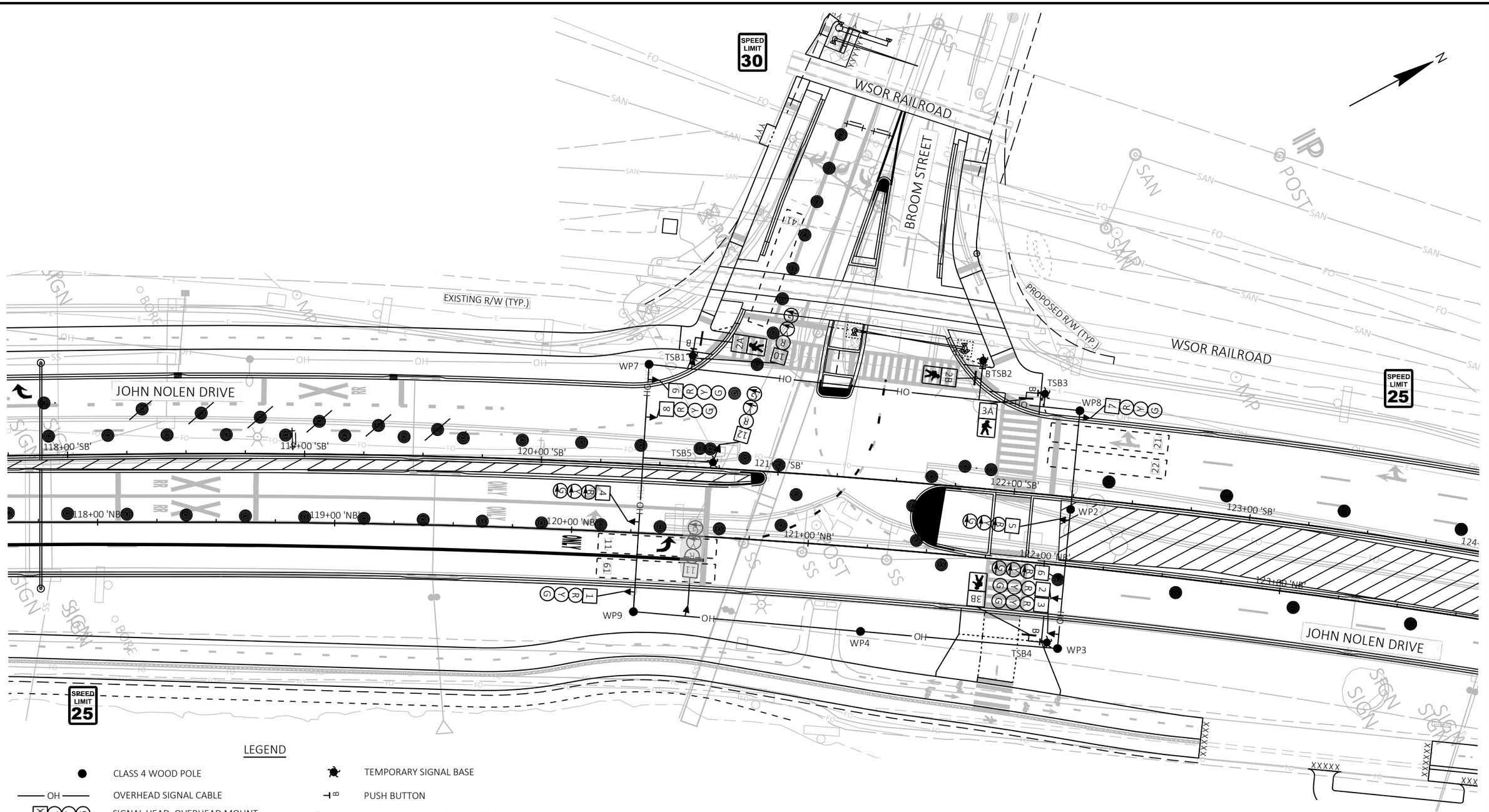
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4 (PEAK)	SHEET 406	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 4.DWG
LAYOUT NAME - BROOM 1 IN 40 FT

PLOT DATE : 5/23/2025 4:44 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2



LEGEND

- CLASS 4 WOOD POLE
- OVERHEAD SIGNAL CABLE
- SIGNAL HEAD, OVERHEAD MOUNT
- BAGGED TRAFFIC SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- BAGGED PEDESTRIAN SIGNAL HEAD
- SIGNAL HEAD
- TEMPORARY SIGNAL BASE
- PUSH BUTTON
- LUMINAIRE, AFFIXED TO WOOD POLE
- NON-INTRUSIVE DETECTION AREA
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - STAGE 4 (OFF-PEAK)	SHEET 407	E

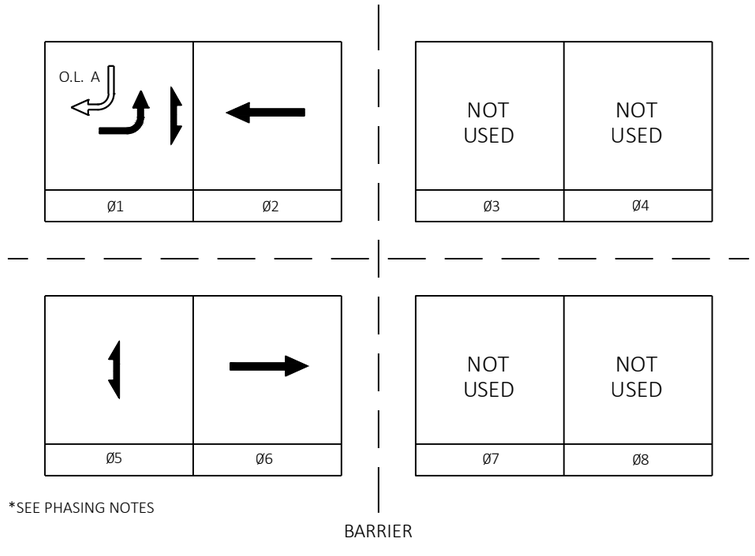
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-STAGE 4_OFF PEAK.DWG
LAYOUT NAME - BROOM 1 IN 40 FT

PLOT DATE : 5/23/2025 4:45 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6,1A,1B	-
Ø2	7,8,9	R
Ø3		
Ø4		
Ø5	5A,5B,5C,5D	-
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2 PED		
Ø4 PED		
Ø6 PED		
Ø8 PED		

O.L. ASSIGNMENTS			
O.L.A	10,11	R →	Ø1
O.L.B			
O.L.C			
O.L.D			
O.L.E			
O.L.F			
O.L.G			
O.L.H			

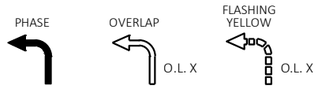


*SEE PHASING NOTES

PHASING NOTES

- EB JOHN NOLEN DRIVE LEFT TURN MOVEMENT SHALL NOT TIME DURING CONSTRUCTION STAGE 1 IN THE OFF PEAK HOURS WHEN THE LEFT TURN LANE IS CLOSED TO TRAFFIC.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				X
2		6	MIN	X
3				
4				
5				X
6		2	MIN	X
7				
8				

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	



TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

CENTRAL SYSTEM
LOCATION OF MASTER
CONTROLLER NO.: N/A
SIGNAL SYSTEM #:

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	22	41	61			
PHASE CALLED	1	2	2	4	6			
PHASE EXTENDED	1	2	2	4	6			
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

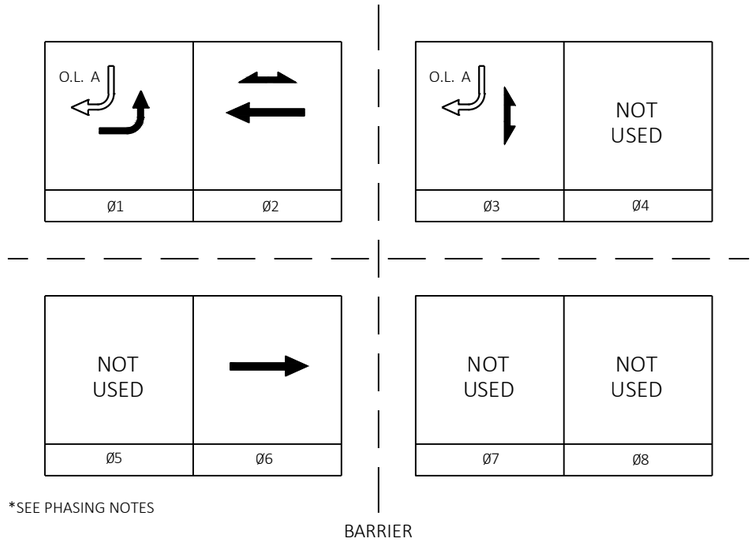
REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21 | HWY: JOHN NOLEN DRIVE | COUNTY: DANE | TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 1 | SHEET 408 | E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - BROOM 1 IN 40 FT - 1
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9,2A,2B	R
Ø3	3A,3B	-
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2 PED		
Ø4 PED		
Ø6 PED		
Ø8 PED		

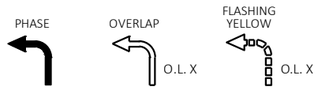
O.L. ASSIGNMENTS			
O.L.A	10,11,12	R →	Ø1,3
O.L.B			
O.L.C			
O.L.D			
O.L.E			
O.L.F			
O.L.G			
O.L.H			



PHASING NOTES

- PHASE 1 SHALL LAG PHASE 2.
- PEDESTRIAN MOVEMENTS IN PHASE 2 SHALL NOT TIME IN CONSTRUCTION STAGE 2 AND 2A.
- PHASE 1 AND O.L.A SHALL NOT TIME IN CONSTRUCTION STAGE 2A.

LEGEND



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				X
2		6	MIN	X
3				X
4				
5				
6		2	MIN	X
7				
8				



CENTRAL SYSTEM
LOCATION OF MASTER
CONTROLLER NO.: N/A
SIGNAL SYSTEM #:

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GPS	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	
IN SEPARATE LIGHTING CABINET	X

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	11	21	22	41	61			
PHASE CALLED	1	2	2	4	6			
PHASE EXTENDED	1	2	2	4	6			
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	19	17	23	21	27	25	31	29
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

DETECTOR INPUT	20	18	24	22	28	26	32	30
DETECTOR #(S)								
PHASE CALLED								
PHASE EXTENDED								
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

TRAFFIC CONTROL SIGNAL
JOHN NOLEN DRIVE & BROOM STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. TEMP

REGION CONTACT: JERRY SCHIPPA
DESIGNED BY: KL ENGINEERING
REVISED BY:

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY TRAFFIC SIGNALS - SEQUENCE OF OPERATIONS - STAGE 2-4	SHEET 409	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\TEMPORARY SIGNALS\024101-ST-SOOS.DWG
LAYOUT NAME - BROOM 1 IN 40 FT - 2
PLOT DATE : 5/23/2025 4:23 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PROPOSED ROADWAY LIGHTING UNIT
- PROPOSED TRAIL LIGHTING UNIT
- PUSH BUTTON
- PEDESTRIAN HEAD
- TRAFFIC SIGNAL HEAD
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- TRAFFIC SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR
- VIDEO DETECTION AREA
- XX VIDEO DETECTION CAMERA

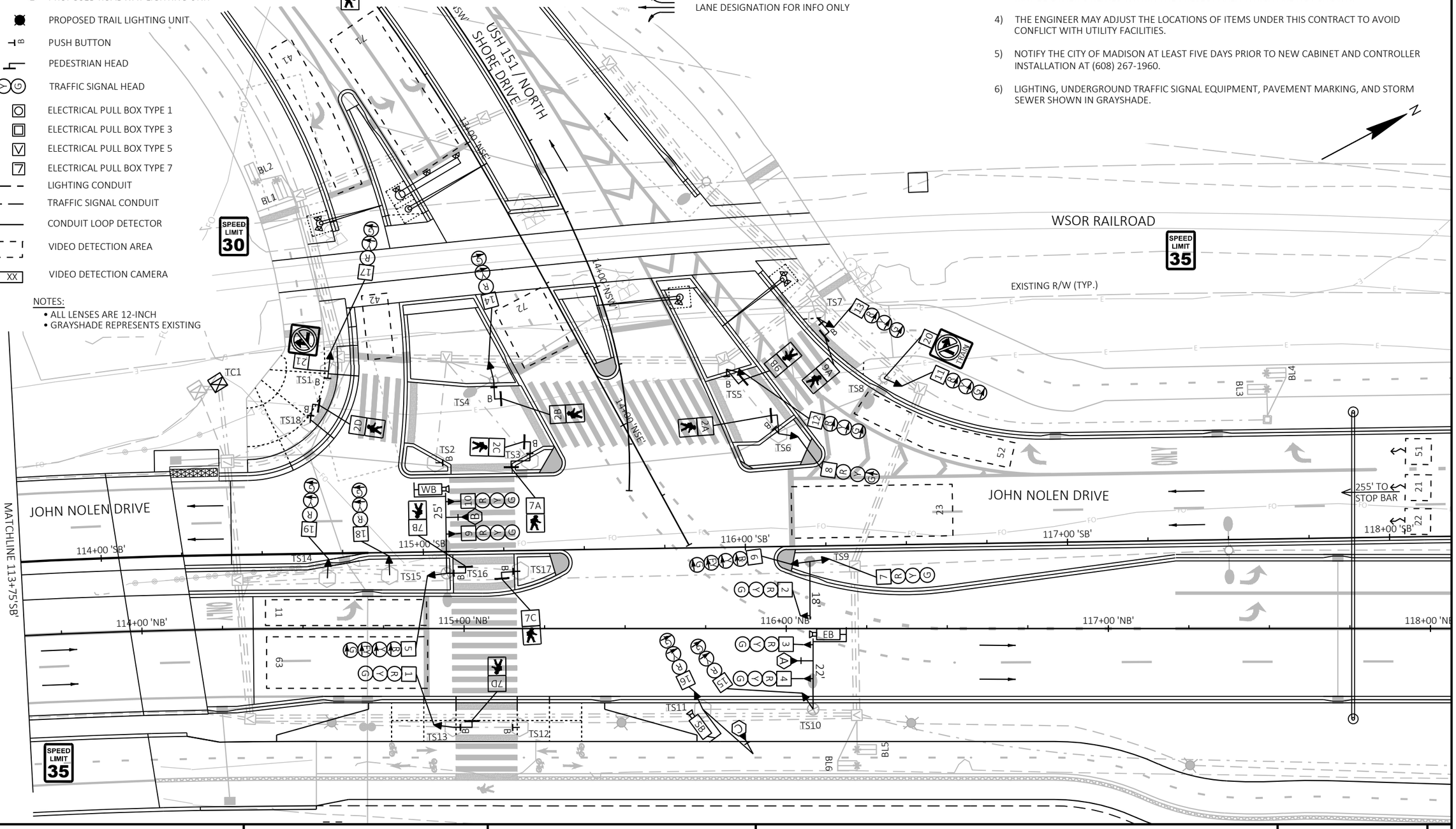
NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

- CONCRETE BASE TYPE GR, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-3R, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8R, PEDESTAL BASE, POLE
- XX WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)

- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- XX LED BLANK OUT SIGN (NO RIGHT TURN)
- LANE DESIGNATION FOR INFO ONLY

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5) NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.
6) LIGHTING, UNDERGROUND TRAFFIC SIGNAL EQUIPMENT, PAVEMENT MARKING, AND STORM SEWER SHOWN IN GRAYSHADE.

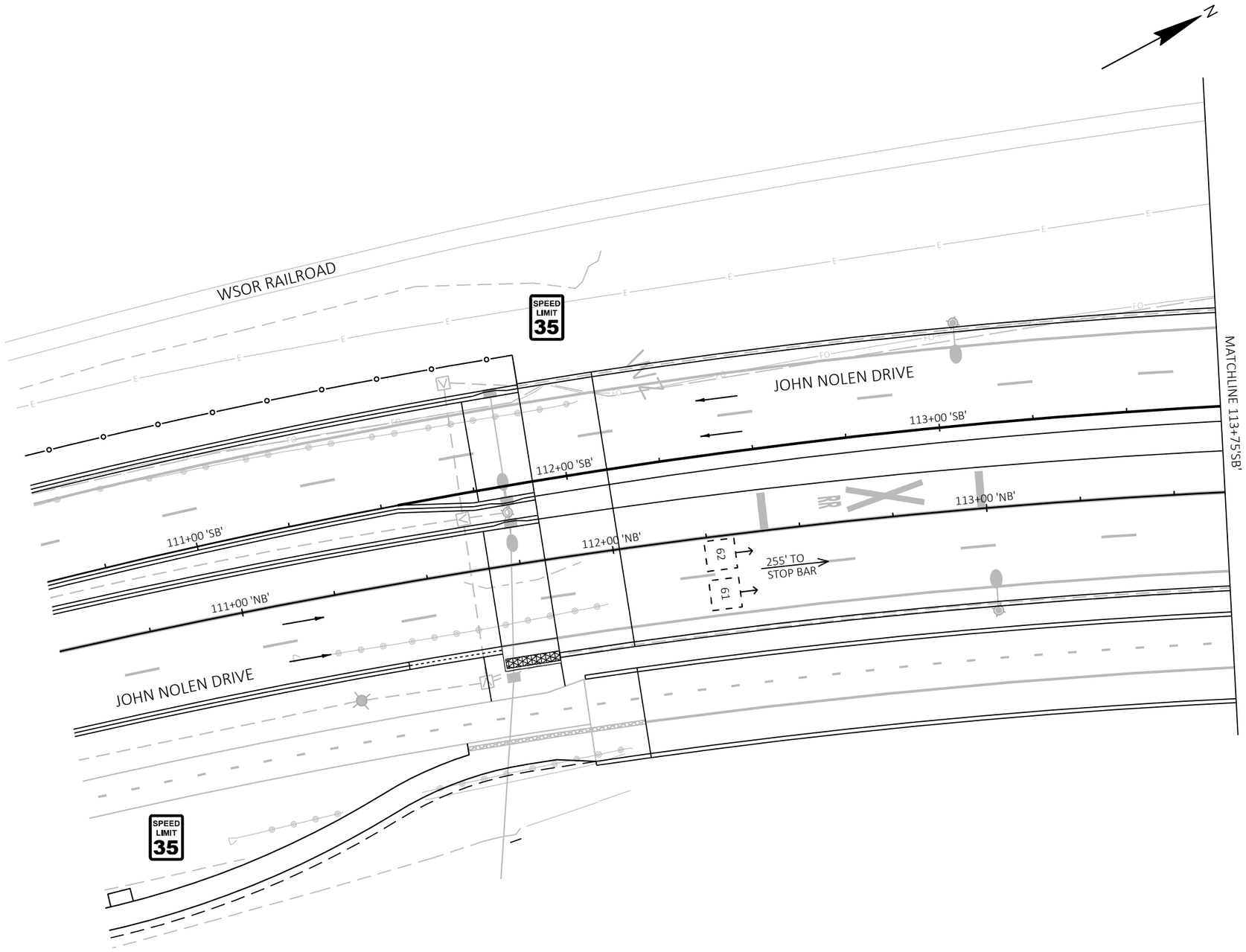


PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 410	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\024201-SP.DWG
LAYOUT NAME - NSD 1 IN 30 FT
PLOT DATE : 5/22/2025 9:13 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:30 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- PROPOSED ROADWAY LIGHTING UNIT
- PROPOSED TRAIL LIGHTING UNIT
- ELECTRICAL PULL BOX TYPE 5
- LIGHTING CONDUIT
- CONCRETE BASE TYPE GR, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-3R, TRANSFORMER BASE, POLE
- LANE DESIGNATION FOR INFO ONLY
- VIDEO DETECTION AREA

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 411	E

JOHN NOLEN DRIVE & NORTH SHORE DRIVE

HOMERUN	CABLE	INDICATION/WIRE COLOR											
		BLACK	WHITE	RED	GREEN	ORANGE	BLUE	WHITE/BLK	RED/BLK	GREEN/BLK	ORANGE/BLK	BLUE/BLK	BLK/WHITE
CB1-TS1	5/C		NEUTRAL	4-RED	4-G-ARROW	4-Y-ARROW							
CB1-TS3	7/C	2-DW	NEUTRAL	7-DW	7-W		2-W						
CB1-TS4	7/C	2-DW	NEUTRAL	7-RED	7-G-ARROW	7-Y-ARROW	2-W						
CB1-TS5	7/C	9-DW	NEUTRAL	5-R-ARROW	5-G-ARROW	5-Y-ARROW	9-W						
CB1-TS6	7/C	2-DW	NEUTRAL	2-RED	2-G-ARROW	2-YEL	2-W						
CB1-TS7	7/C	9-DW	NEUTRAL	5-R-ARROW	5-G-ARROW	5-Y-ARROW	9-W						
CB1-TS8	7/C	NRTOR	NEUTRAL	5-R-ARROW	5-G-ARROW	5-Y-ARROW		TRAIN					
CB1-TS9	12/C	1-R-ARROW	NEUTRAL	6-RED	6-GRN	6-YEL	1-G-ARROW	1-Y-ARROW	2-RED	2-GRN	2-YEL	1-FY-ARROW	
CB1-TS10	12/C	7-RED	NEUTRAL	6-RED	6-GRN	6-YEL	7-G-ARROW	7-Y-ARROW					
CB1-TS11	5/C		NEUTRAL	7-RED	7-G-ARROW	7-Y-ARROW							
CB1-TS13	7/C	7-DW	NEUTRAL	6-RED	6-GRN	6-YEL	7-W						
CB1-TS14	5/C		NEUTRAL	4-RED	4-G-ARROW	4-Y-ARROW							
CB1-TS15	5/C		NEUTRAL	4-RED	4-G-ARROW	4-Y-ARROW							
CB1-TS16	12/C	7-DW	NEUTRAL	2-RED	2-GRN	2-YEL	7-W	1-Y-ARROW	1-R ARROW	1-G-ARROW		1-FY-ARROW	
CB1-TS17	7/C	7-DW	NEUTRAL				7-W						
CB1-TS18	7/C	2-DW	NEUTRAL				2-W						

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	TS1
TS1	TS2
TS2	TS3
TS3	TS4
TS4	TS5
TS5	TS6
TS6	TS7
TS7	TS8
TS8	TS9
TS9	TS10
TS10	TS11
TS11	TS12
TS12	TS13
TS13	TS14
TS14	TS15
TS15	TS16
TS16	TS17
TS17	TS18
TS18	CB1

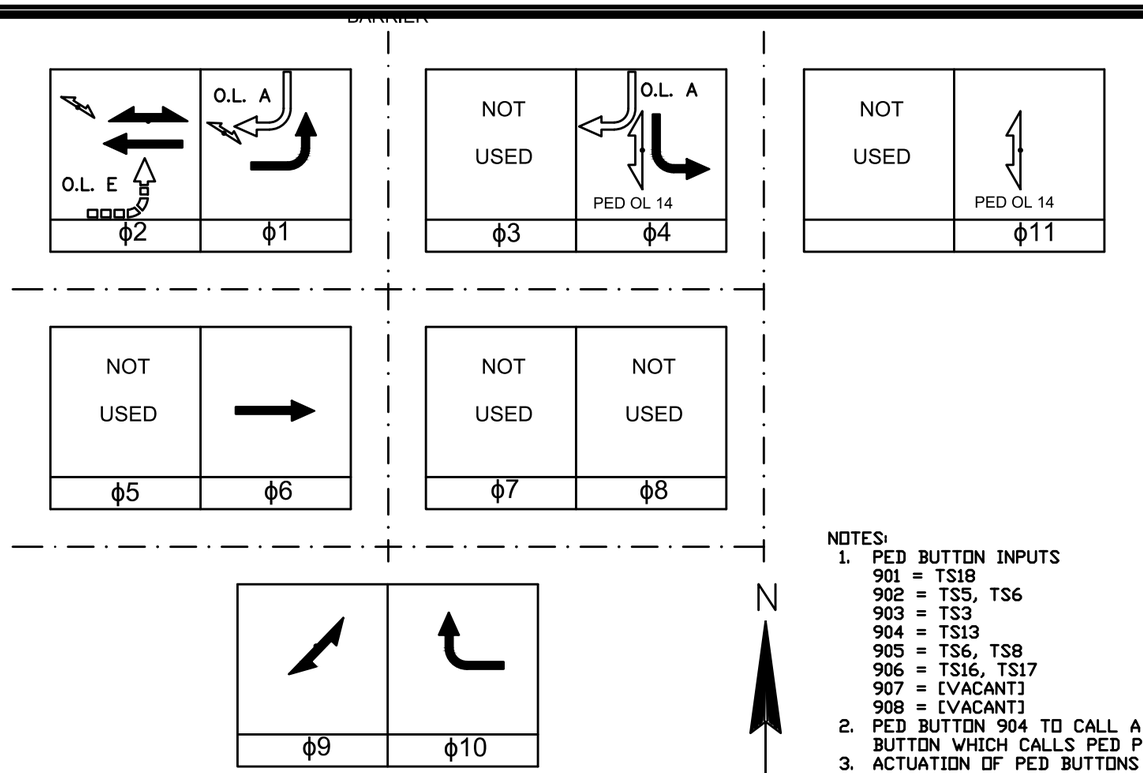
LOOP DETECTOR LEAD-IN CABLE		
EROM	TO BUTTON ON	PHASE
CB1	TS1	2
CB1	TS2	7
CB1	TS3	2
CB1	TS4	2
CB1	TS5	2
CB1	TS6	9
CB1	TS7	9
CB1	TS12	7
CB1	TS13	7
CB1	TS16	7
CB1	TS17	7
CB1	TS18	2

EVP DETECTOR CABLE	
FROM	EVP ON
CB1	TS10
CB1	TS11
CB1	TS16

	HEAD NUMBERS	FLASH	O.L. ASSIGNMENTS
ϕ1	4, 5	R	
ϕ2	6, 7, 8, 9	R	
ϕ3			
ϕ4	12, 13, 14, 15	R	
ϕ5			
ϕ6	1, 2, 3	R	
ϕ7			
ϕ8			
ϕ2 PED	2C, 2D	--	FYA, PED YELLOW
PED OL 14	7A-D	--	ϕ4 + ϕ11
ϕ9 PED	2A, 2B	--	
PED OL 13	2E, 2F	--	ϕ1 + ϕ4
ϕ10	10, 11	--	
OL A (SBRT)	17, 19	--	ϕ1 + ϕ4, PED PROT ϕ1
BLANK OUT A	18	--	RR PMT & PED 2 WALK
BLANK OUT B	19	--	RR PMT & PED 9 WALK

PREEMPTION ASSIGNMENTS

PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RAILROAD	SEE CHART	4
2	RESERVED		
3	NB EVP	A	1, 6
4	SB EVP	B	2, 10
5	EB EVP	C	4
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / ϕ	PHASE RECALL	PHASE ACTIVE
1	X		NONE	X
2	X		NONE	X
3				
4	X		NONE	X
5				
6	X		NONE	X
7				
8				
9	X		NONE	X
10	X		NONE	X

NOTES:
1. PED BUTTON INPUTS
   901 = TS18
   902 = TS5, TS6
   903 = TS3
   904 = TS13
   905 = TS6, TS8
   906 = TS16, TS17
   907 = [VACANT]
   908 = [VACANT]
2. PED BUTTON 904 TO CALL A DUMMY PED BUTTON WHICH CALLS PED PHASE 1.
3. ACTUATION OF PED BUTTONS 902 WILL CALL LOGIC STATEMENT THAT OMITS OPPOSING FYA.
   3.1. WE MAY ALSO WANT TO CONSULT WITH TCC ON HOW TO DO THIS CROSSING, ESPECIALLY REGARDING THE SLIP LANE CROSSING.
4. PHASE 1 MAY BE A LEADING OR LAGGING LEFT TURN.

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
DETECTOR #(S)	BL3	BL1	BL8						62	11	21	23	72	51		42
PHASE CALLED									6	1	2	2	4	10		1
PHASE EXTENDED									6	1, 2	2	2	4	10		1,4
DISCONNECT TIME																
CALLING DELAY																
DIST. FROM STOP BAR																
LOOP FUNCTION	BIKE COUNT	BIKE COUNT	BIKE COUNT													

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
DETECTOR #(S)	BL4	BL2	BL8						61	63	22	52	41	71		
PHASE CALLED	10	4							6	6	2	10	1	4		
PHASE EXTENDED		2							6	6	2	10	1,4	4		
DISCONNECT TIME																
CALLING DELAY																
DIST. FROM STOP BAR																
LOOP FUNCTION	BIKE COUNT	BIKE COUNT	BIKE COUNT													

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

#	MARK	REVISION	DATE	BY

Designed By: JLS
Date: 5/16/25
Scale: NO SCALE

SOO-1

SEQUENCE OF OPERATIONS - JOHN NOLEN DRIVE & NORTH SHORE DR. 11860

JOHN NOLEN DRIVE LAKESIDE ST. TO NORTH SHORE DR. CITY OF MADISON, WI

CONTRACT NO: ---

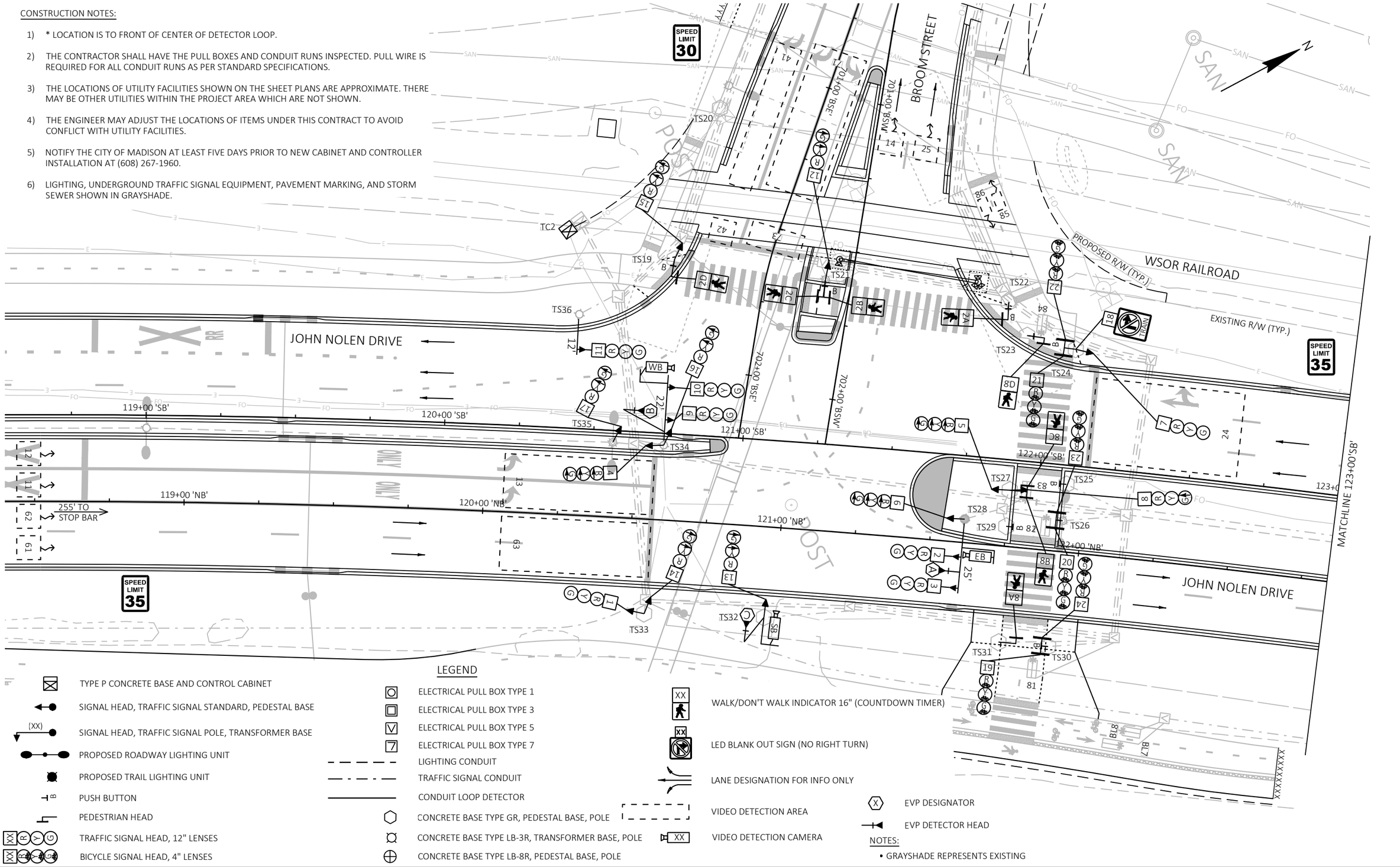
C:\Users\tnjls\Desktop\John Nolen Drive SOO_JLS.dwg

11860

SOO-1

CONSTRUCTION NOTES:

1) * LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2) THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3) THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4) THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5) NOTIFY THE CITY OF MADISON AT LEAST FIVE DAYS PRIOR TO NEW CABINET AND CONTROLLER INSTALLATION AT (608) 267-1960.
6) LIGHTING, UNDERGROUND TRAFFIC SIGNAL EQUIPMENT, PAVEMENT MARKING, AND STORM SEWER SHOWN IN GRAYSHADE.



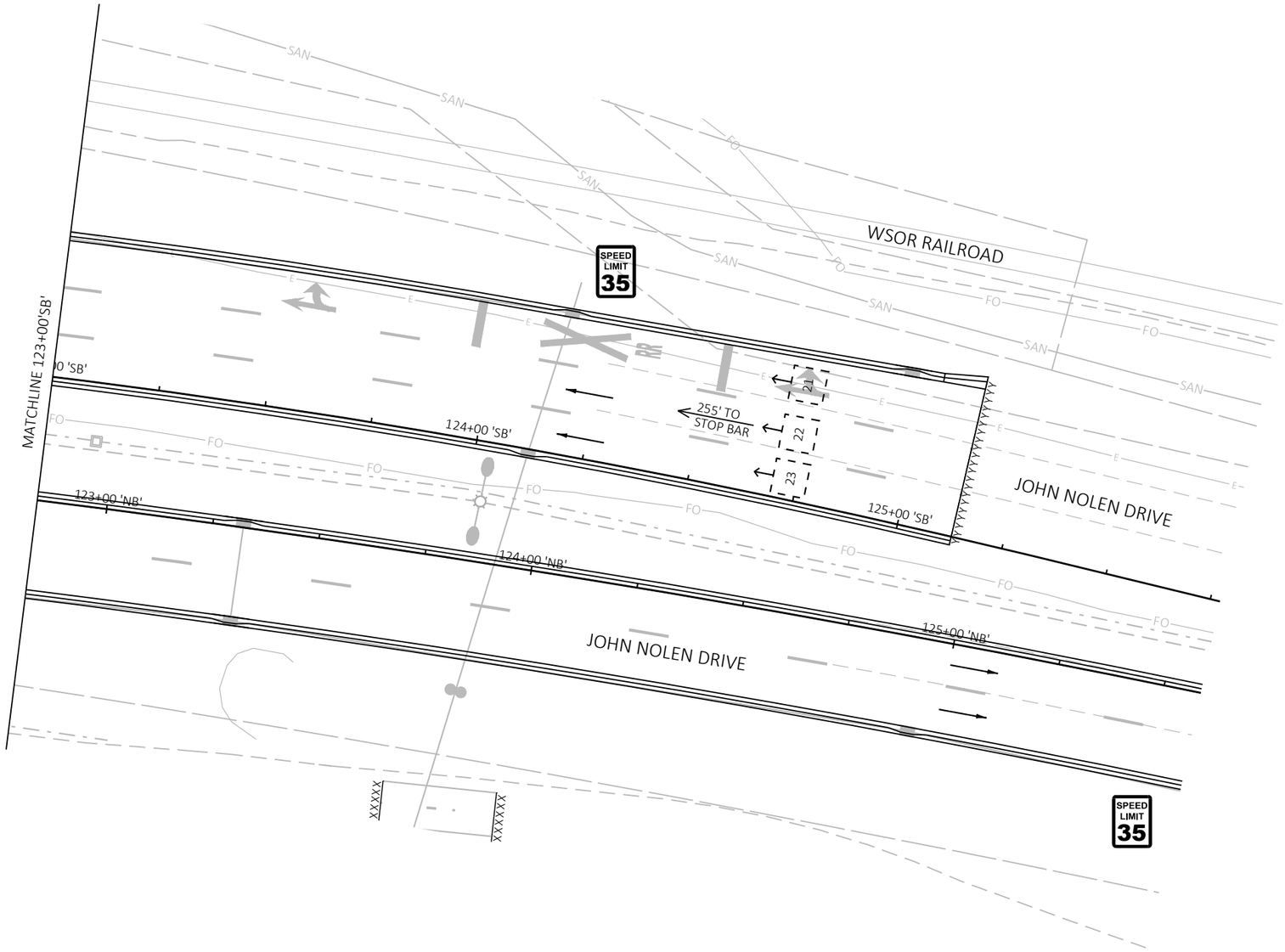
LEGEND

- TYPE P CONCRETE BASE AND CONTROL CABINET
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PROPOSED ROADWAY LIGHTING UNIT
- PROPOSED TRAIL LIGHTING UNIT
- PUSH BUTTON
- PEDESTRIAN HEAD
- TRAFFIC SIGNAL HEAD, 12" LENSES
- BICYCLE SIGNAL HEAD, 4" LENSES
- ELECTRICAL PULL BOX TYPE 1
- ELECTRICAL PULL BOX TYPE 3
- ELECTRICAL PULL BOX TYPE 5
- ELECTRICAL PULL BOX TYPE 7
- LIGHTING CONDUIT
- TRAFFIC SIGNAL CONDUIT
- CONDUIT LOOP DETECTOR
- CONCRETE BASE TYPE GR, PEDESTAL BASE, POLE
- CONCRETE BASE TYPE LB-3R, TRANSFORMER BASE, POLE
- CONCRETE BASE TYPE LB-8R, PEDESTAL BASE, POLE
- XX WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX LED BLANK OUT SIGN (NO RIGHT TURN)
- LANE DESIGNATION FOR INFO ONLY
- VIDEO DETECTION AREA
- XX VIDEO DETECTION CAMERA
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTES:
- GRAYSHADE REPRESENTS EXISTING

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 414	E

2



LEGEND

- PROPOSED ROADWAY LIGHTING UNIT
- ELECTRICAL PULL BOX TYPE 3
- LIGHTING CONDUIT
- TRAFFIC SIGNAL CONDUIT
- CONCRETE BASE TYPE LB-3R, TRANSFORMER BASE, POLE
- LANE DESIGNATION FOR INFO ONLY
- VIDEO DETECTION AREA

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 415	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\SIGNALS\024201-SP.DWG
LAYOUT NAME - BROOM Tails
PLOT DATE : 5/22/2025 9:14 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:30 FT
WISDOT/CADDS SHEET 42

JOHN NOLEN DRIVE & BROOM STREET

HOMERUN	CABLE	INDICATION/WIRE COLOR											
		BLACK	WHITE	RED	GREEN	ORANGE	BLUE	WHITE/BLK	RED/BLK	GREEN/BLK	ORANGE/BLK	BLUE/BLK	BLK/WHITE
CB1-TS19	7/C	2-DW	NEUTRAL	4-RED	4-G-ARROW	4-Y-ARROW	2-W						
CB1-TS21	7/C	2-DW	NEUTRAL	7-RED	7-G-ARROW	7-Y-ARROW	2-W						
CB1-TS22	7/C	2-DW	NEUTRAL				2-W						
CB1-TS23	7/C	8-DW	NEUTRAL				8-W						
CB1-TS24	12/C	8-R-BICYCLE	NEUTRAL	2-RED	2-GRN	2-YEL	8-G-BICYCLE	8-Y-BICYCLE	NRTOR				TRAIN
CB1-TS26	5/C		NEUTRAL	8-R-BICYCLE	8-G-BICYCLE	8-Y-BICYCLE							
CB1-TS27	12/C	8-DW	NEUTRAL	2-RED	2-G-ARROW	2-YEL	8-W	1-Y-ARROW	1-R-ARROW	1-G-ARROW			
CB1-TS28	12/C	1-R-ARROW	NEUTRAL	6-RED	6-GRN	6-YEL	1-G-ARROW	1-Y-ARROW					
CB1-TS30	5/C		NEUTRAL	8-R-BICYCLE	8-G-BICYCLE	8-Y-BICYCLE							
CB1-TS31	7/C	8-DW	NEUTRAL				8-W						
CB1-TS32	5/C		NEUTRAL	7-RED	7-G-ARROW	7-Y-ARROW							
CB1-TS33	12/C	7-RED	NEUTRAL	6-RED	6-GRN	6-YEL	7-G-ARROW	7-Y-ARROW					
CB1-TS34	12/C	4-RED	NEUTRAL	2-RED	2-GRN	2-YEL	4-G-ARROW	4-Y-ARROW	1-R-ARROW	1-G-ARROW	1-Y-ARROW		
CB1-TS35	5/C		NEUTRAL	4-RED	4-G-ARROW	4-Y-ARROW							
CB1-TS36	5/C		NEUTRAL	2-RED	2-GRN	2-YEL							

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	TS19
TS19	TS20
TS20	TS21
TS21	TS22
TS22	TS23
TS23	TS24
TS24	TS25
TS25	TS26
TS26	TS27
TS27	TS28
TS28	TS29
TS29	TS30
TS30	TS31
TS31	TS32
TS32	TS33
TS33	TS34
TS34	TS35
TS35	TS36
TS36	CB1

LOOP DETECTOR LEAD-IN CABLE		
FROM	TO BUTTON ON	PHASE
CB1	TS19	2
CB1	TS21	2
CB1	TS22	2
CB1	TS23	8
CB1	TS25	8
CB1	TS29	8
CB1	TS30	8

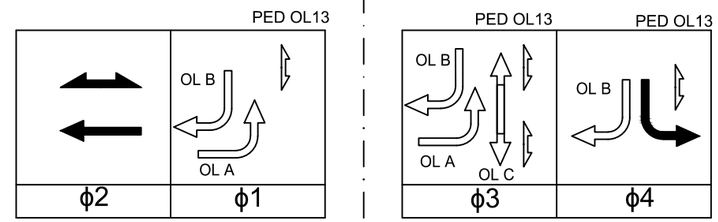
EVP DETECTOR CABLE	
FROM	EVP ON
CB1	TS28
CB1	TS32
CB1	TS34

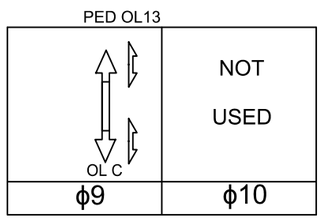
	HEAD NUMBERS	FLASH	O.L. ASSIGNMENTS
OL A	4, 5, 6	R	ϕ1 + ϕ3
ϕ2	7, 8, 9, 10, 11	R	
OL C	19, 20, 21, 22	R	ϕ3 + ϕ9
ϕ4	12, 13, 14	R	
ϕ5		R	
ϕ6	1, 2, 3	R	
ϕ7			
ϕ8			
ϕ2 PED	2 A-D		
PED OL13	8A, 8B		ϕ1 + ϕ3 + ϕ9
PED OL14	8C, 8D		ϕ3 + ϕ9
ϕ8 PED			

OL B	15, 16, 17	R	ϕ1 + ϕ3 + ϕ4
---			BIKE CONFIRMATION
---			BLANK OUT BOARD

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / ϕ	PHASE RECALL	PHASE ACTIVE
1	X		NONE	X
2	X		PED	X
3	X		NONE	X
4	X		NONE	X
5	X		NONE	X
6	X		MIN	X
9	X		NONE	X





PED BUTTON OPERATIONS:

1. PED BUTTONS TO BE APS.
2. LAND PED BUTTONS SEPARATELY IN CABINET.
3. SINGLE CROSSING OPTION:
   - 3.1. TS24 TO PED INPUT 1
     - 3.1.1. CALLS WALK2, LONG WALK
   - 3.2. TS25 TO PED INPUT 2
     - 3.2.1. CALLS WALK1, SHORT WALK
   - 3.3. TS29 TO PED INPUT 3
     - 3.3.1. CALLS WALK1, SHORT WALK
   - 3.4. TS30 TO PED INPUT 4
     - 3.4.1. CALLS WALK2, LONG WALK
   - 3.5. TS 19 + TS21 + TS22 TO PED INPUT 5
4. IF ANY PED INPUT 1-4 IS ACTIVATED DURING RR PRE-EMPTION, THEN PHASE 9 IS CALLED.
5. IF VEHICLE PHASE 9 IS CALLED, PED PHASE 9 IS ALWAYS CALLED WITH LONG WALK.
6. PED OVERLAP 13 DURING PHASE 1 TO BE INACTIVE AT TURN ON.

PREEMPTION ASSIGNMENTS			
PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RAILROAD		3 (NO B)
2	RESERVED		
3	EB/WB EVP	A	1, 6
4	NOT USED	B	2, 6
5	NOT USED	C	4
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

BIKE SIGNAL NOTES:

1. BIKE PHASES TO BE ACTUATED BY IN PAVEMENT LOOP DETECTORS.
2. BIKE DETECTORS SET TO LOCKING.
3. BIKE DETECTORS TO CALL VEHICLE PHASE 9 IF ACTIVATED DURING RR PRE-EMPTION.
4. ANY PEDESTRIAN ACTIVATION OF PHASE 3 TO ALSO CALL BIKE PHASE.

BIKE CONFIRMATION BEACON

1. ACTIVATED WHEN PHASE 3 IS CALLED.

NO RIGHT TURN BLANK OUT BOARD

1. ACTIVATED DURING RR PRE-EMPTION AND DURING PHASE 3.

TYPE OF INTERCONNECT	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	X
RADIO	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	83	81	BL7					
PHASE CALLED	3, 9	3, 9						
PHASE EXTENDED	3	3						
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION	BIKE	BIKE	BIKE COUNT					

DETECTOR INPUT	35	33	39	37	43	41	47	45
DETECTOR #(S)	62	13	22	24	41	71	BZ1	14
PHASE CALLED	6	1	2	2	1	4	3	
PHASE EXTENDED	6	1,3	2	2	1, 3	4		
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION							BIKE COUNT	SYS

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	84	82	BL8					
PHASE CALLED	3, 9	3, 9						
PHASE EXTENDED	3	3						
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION	BIKE	BIKE	BIKE COUNT					

DETECTOR INPUT	36	34	40	38	44	42	48	46
DETECTOR #(S)	61	63	23	21	42	73	BZ2	25
PHASE CALLED	6	6	2	2	1	4		
PHASE EXTENDED	6	6	2	2	1, 3	4		
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION							BIKE COUNT	SYS

MARK	REVISION	DATE	BY
Designed By: JLS	Date: 5/10/25	Scale: NO SCALE	SOO-2

SEQUENCE OF OPERATIONS - JOHN NOLEN DRIVE & BROOM STREET 11860

JOHN NOLEN DRIVE LAKESIDE ST TO NORTH SHORE DR. CITY OF MADISON, WI

CONTRACT NO: 5992-11-28

C:\Users\mjls\Desktop\John Nolen Drive SOO_JLS.dwg

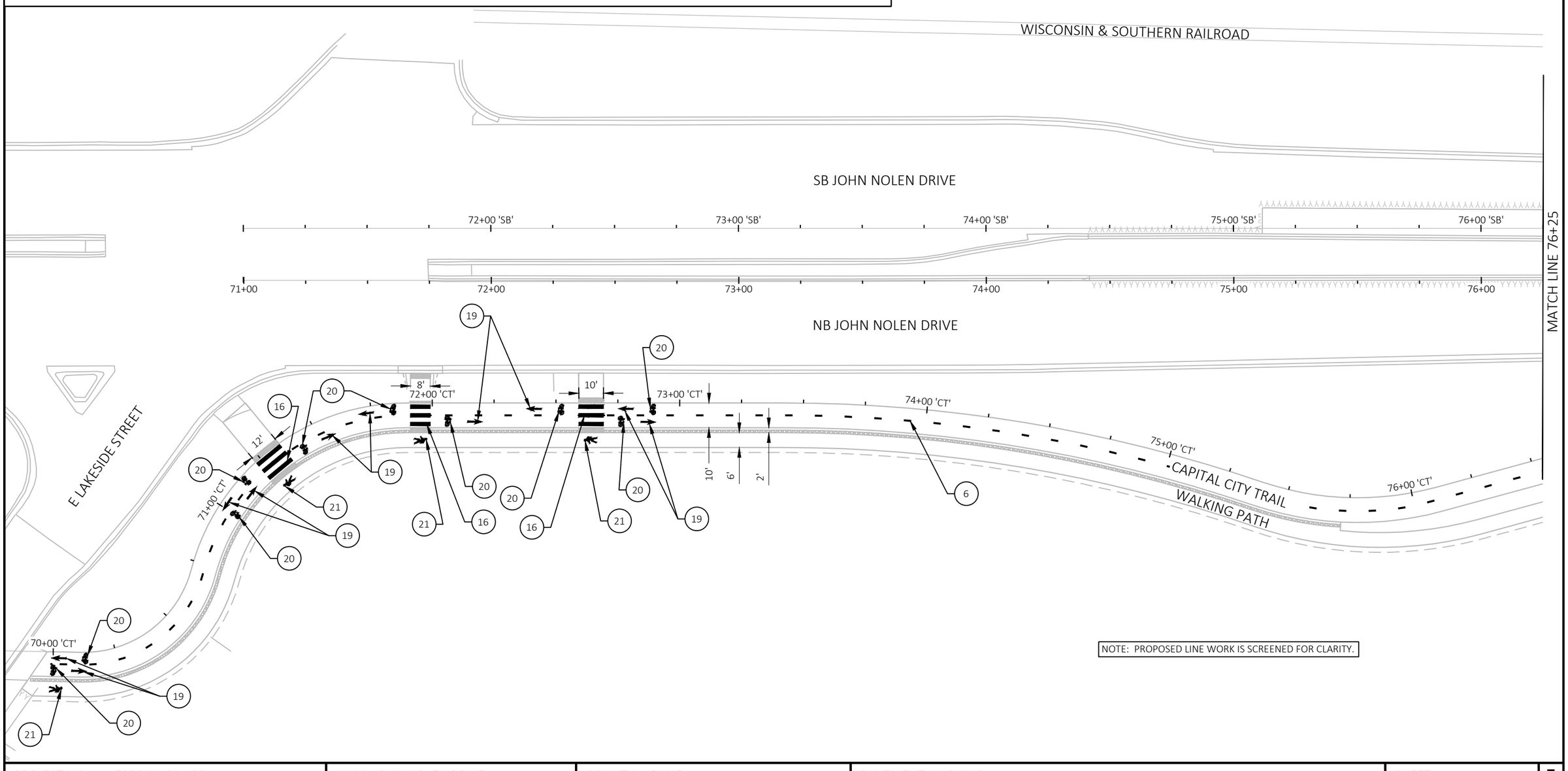
11860

SOO-2

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
9. MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)
10. MARKING ARROW EPOXY (TYPE 2 - WHITE)
11. MARKING ARROW EPOXY (TYPE 3 - WHITE)
12. MARKING WORD EPOXY (ONLY - WHITE)
13. MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING CHEVRON EPOXY 12-INCH (WHITE)
16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

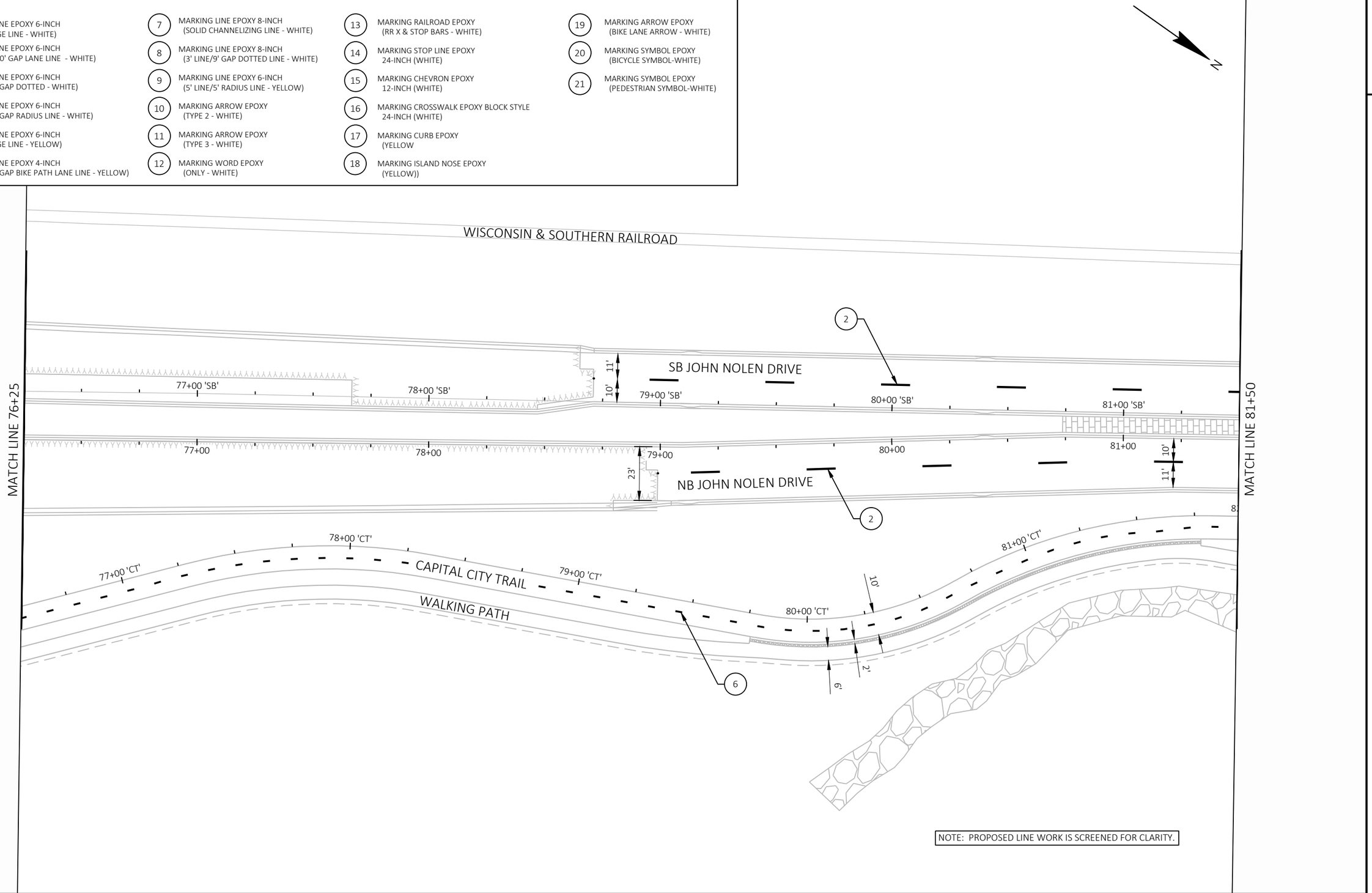


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 418	E

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
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17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)



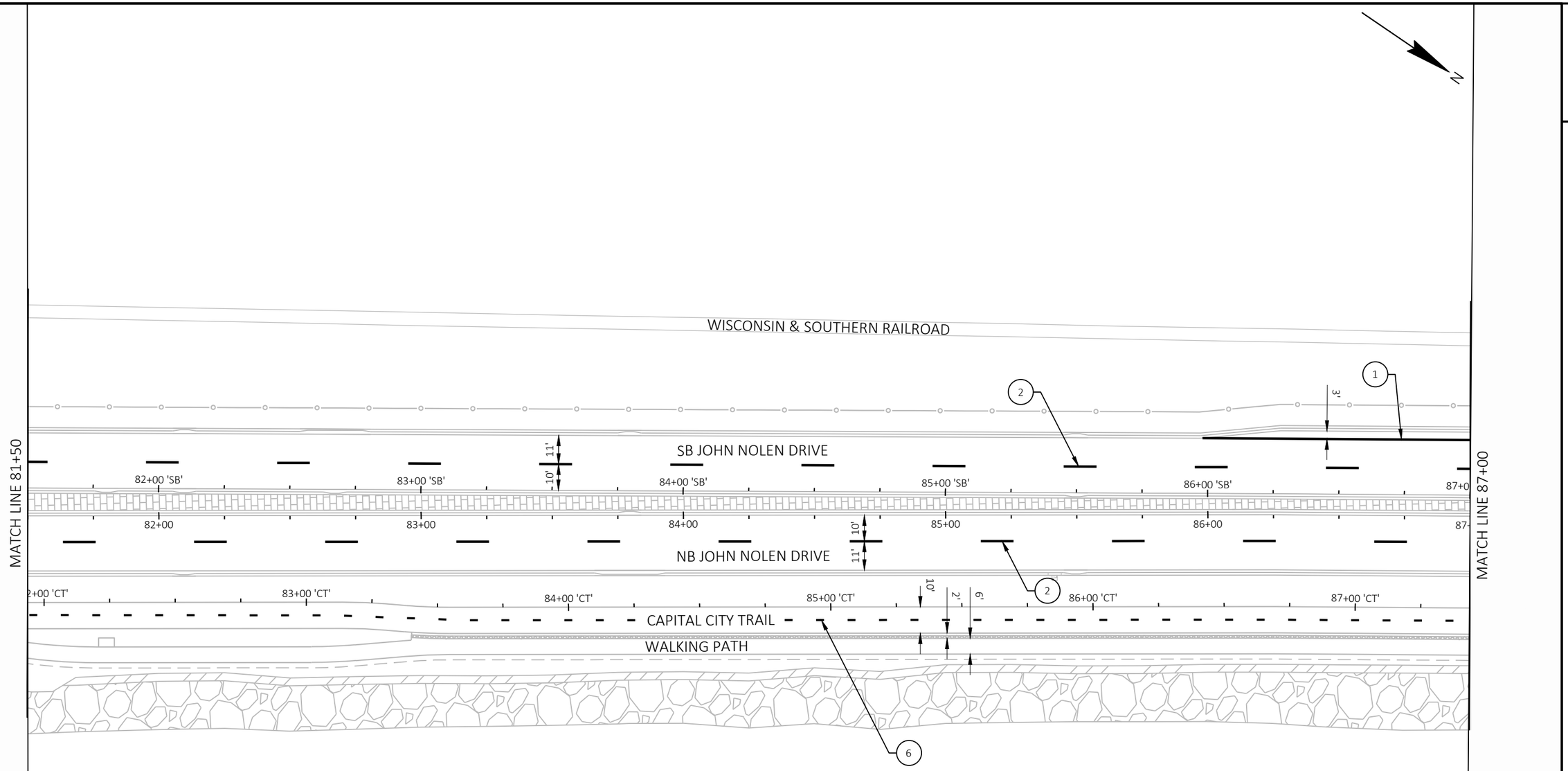
NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 419	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02

PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



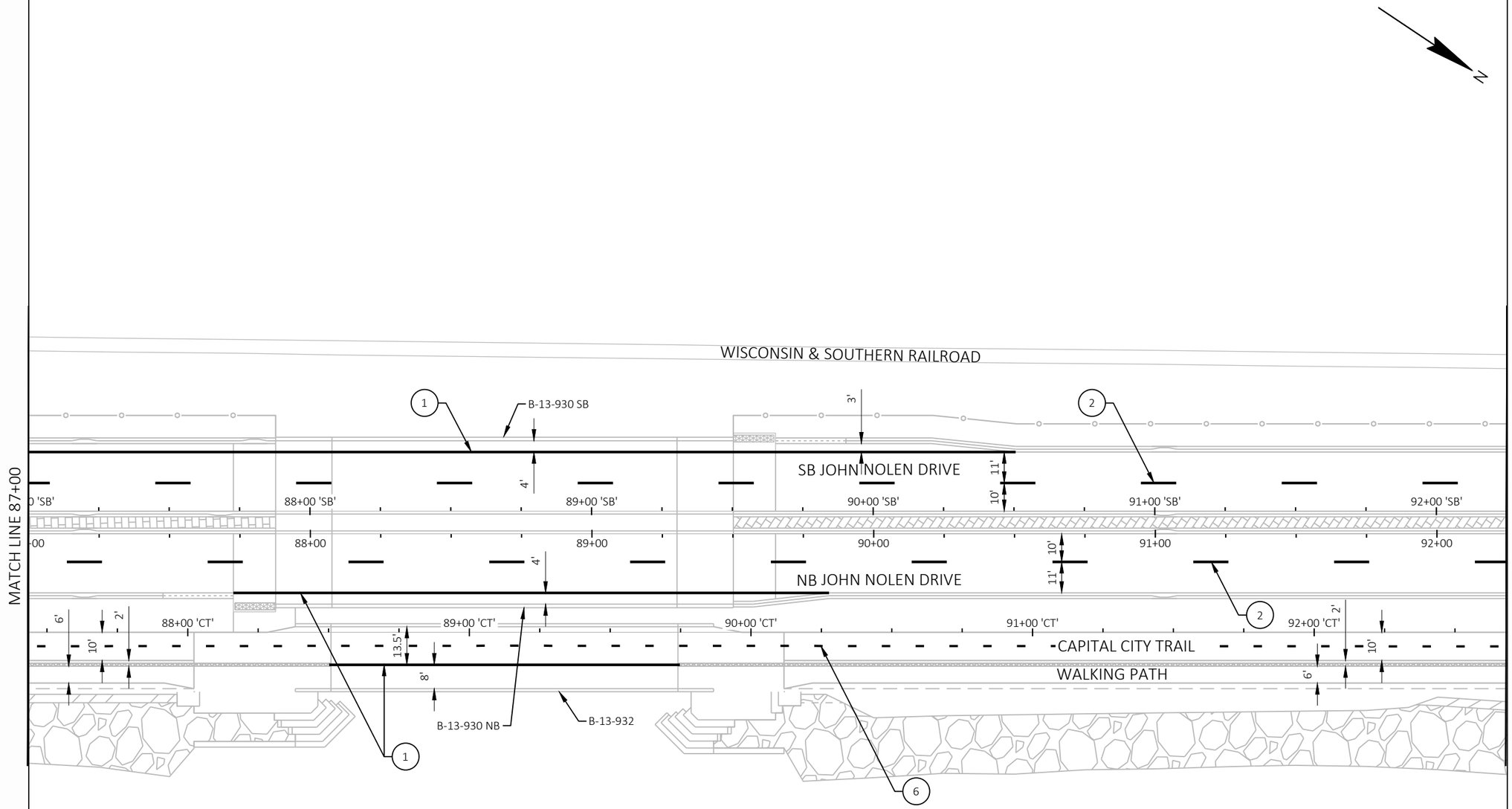
LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
9. MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)
10. MARKING ARROW EPOXY (TYPE 2 - WHITE)
11. MARKING ARROW EPOXY (TYPE 3 - WHITE)
12. MARKING WORD EPOXY (ONLY - WHITE)
13. MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING CHEVRON EPOXY 12-INCH (WHITE)
16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 420	E

2



LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
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20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 421	E

2

N

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

11'

10'

93+00 'SB'

93+00

94+00 'SB'

94+00

95+00 'SB'

95+00

96+00 'SB'

96+00

97+00 'SB'

97+00

NB JOHN NOLEN DRIVE

10'

11'

MATCH LINE 92+00

93+00 'CT'

94+00 'CT'

95+00 'CT'

96+00 'CT'

97+00 'CT'

CAPITAL CITY TRAIL

6'

2'

10'

7'

6'

10'

WALKING PATH

MATCH LINE 97+50

2

2

6

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
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21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 422	E

2

N

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

NB JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

WALKING PATH

MATCH LINE 97+50

MATCH LINE 102+75

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
98+00
99+00
100+00
101+00
102+00
98+00 'CT'
99+00 'CT'
100+00 'CT'
101+00 'CT'
102+00 'CT'

11'
10'
10'
11'
8'
10'
2'

2
2
6

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
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NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

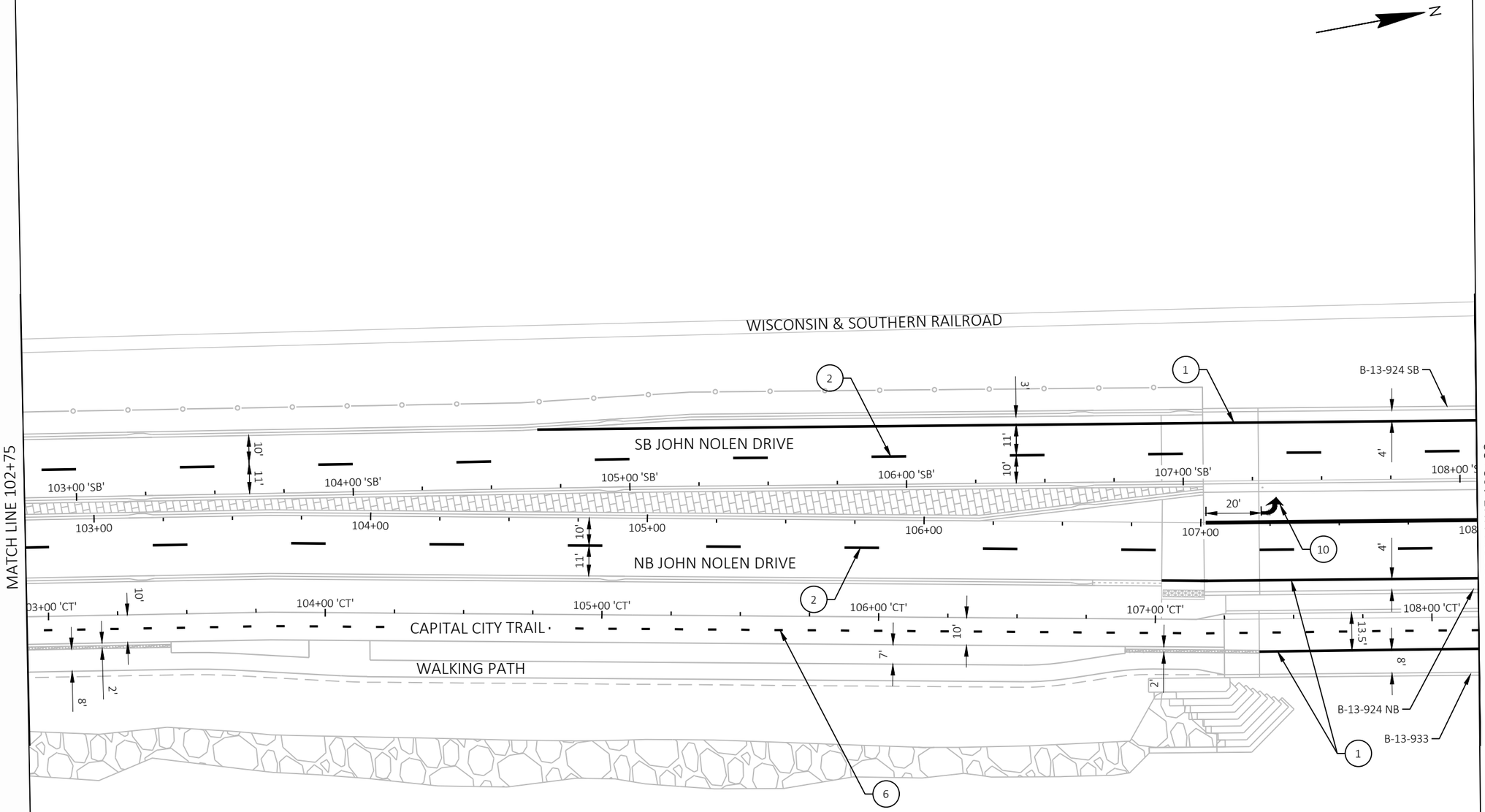
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 423	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 06

PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



LEGEND

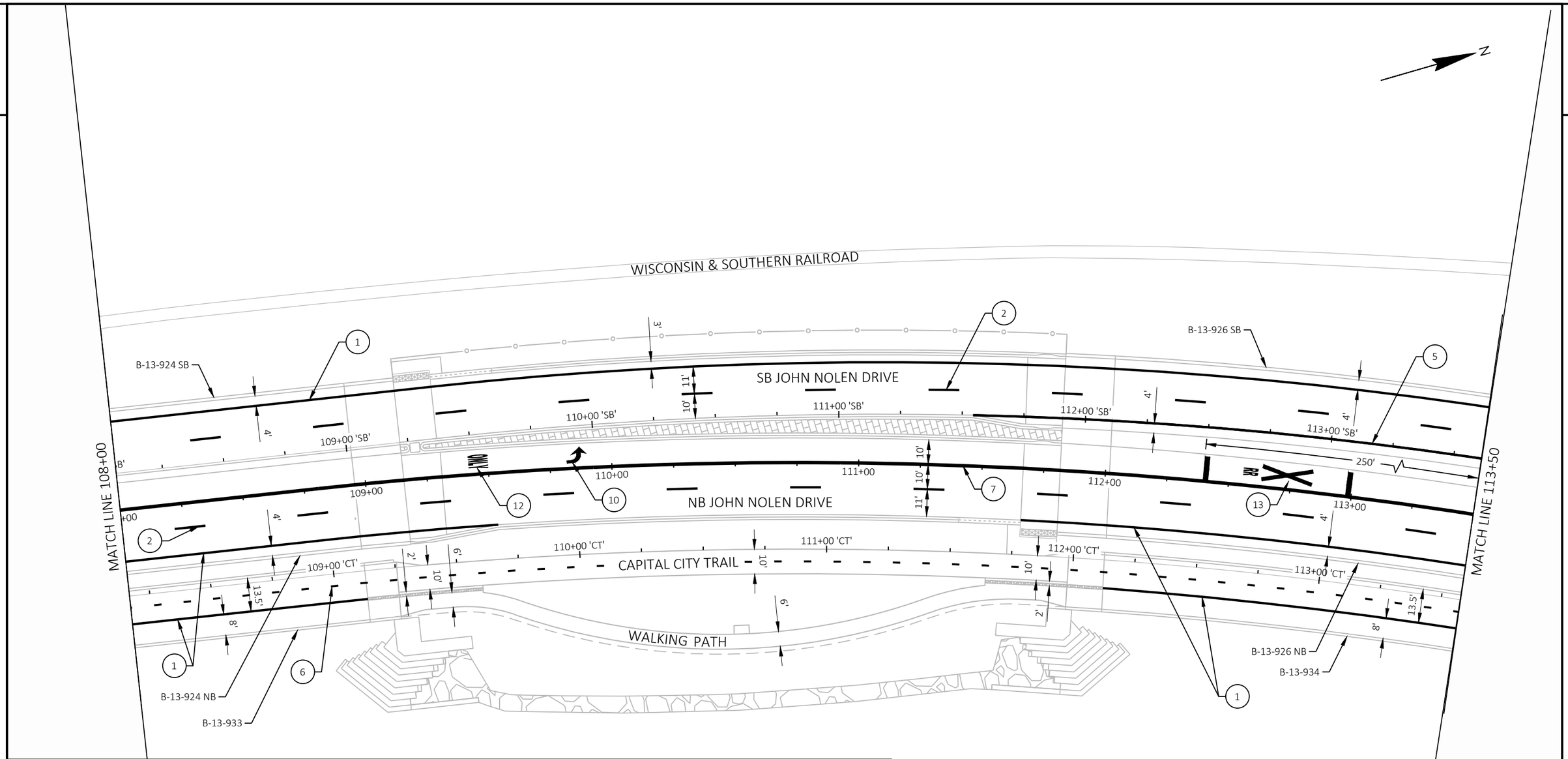
1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
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17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 424	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 07
PLOT DATE : 6/23/2025 10:30 AM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

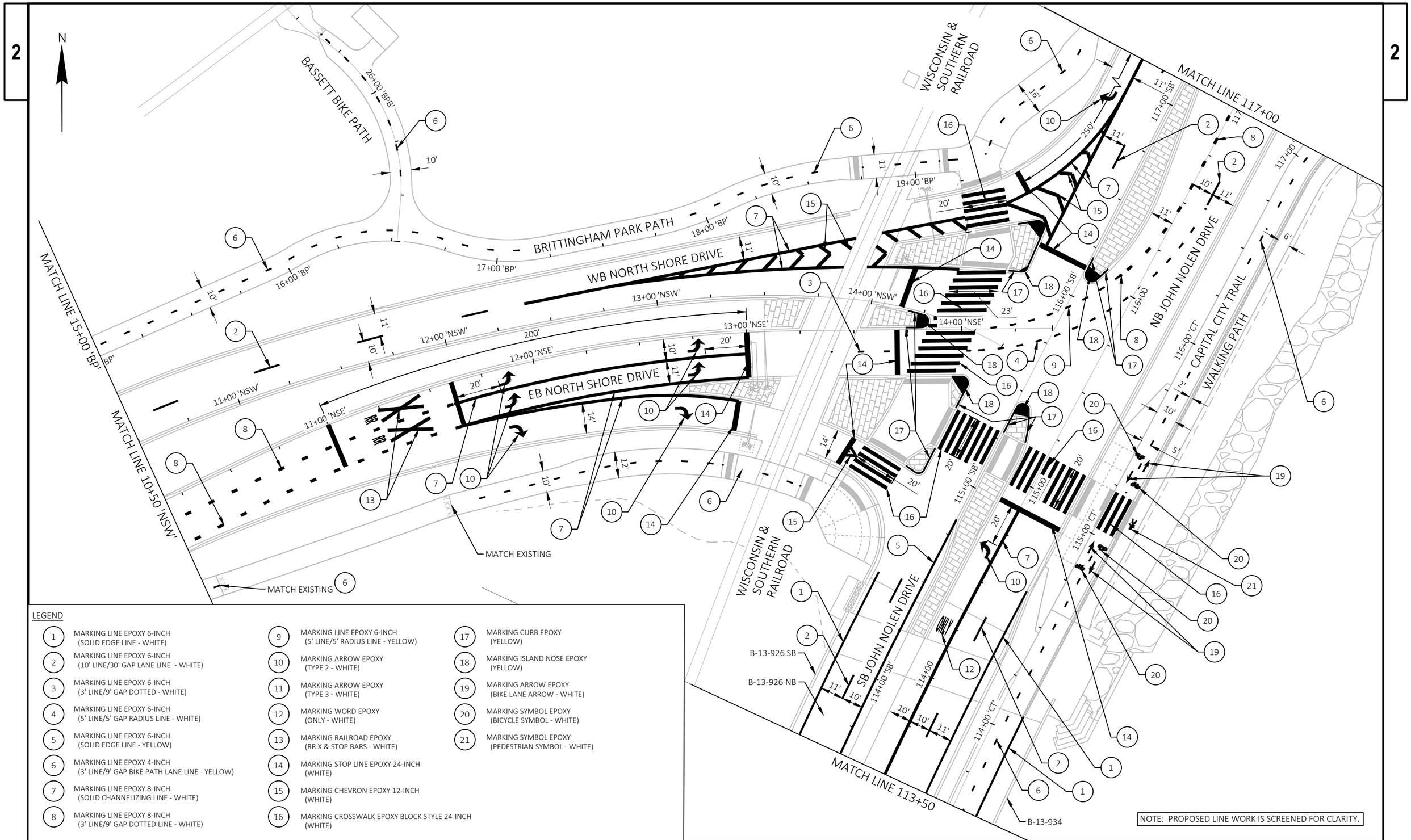


LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
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16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 425	E



LEGEND

1	MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)	9	MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)	17	MARKING CURB EPOXY (YELLOW)
2	MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)	10	MARKING ARROW EPOXY (TYPE 2 - WHITE)	18	MARKING ISLAND NOSE EPOXY (YELLOW)
3	MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)	11	MARKING ARROW EPOXY (TYPE 3 - WHITE)	19	MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
4	MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)	12	MARKING WORD EPOXY (ONLY - WHITE)	20	MARKING SYMBOL EPOXY (BICYCLE SYMBOL - WHITE)
5	MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)	13	MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)	21	MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL - WHITE)
6	MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)	14	MARKING STOP LINE EPOXY 24-INCH (WHITE)		
7	MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)	15	MARKING CHEVRON EPOXY 12-INCH (WHITE)		
8	MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)	16	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)		

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 426	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 09

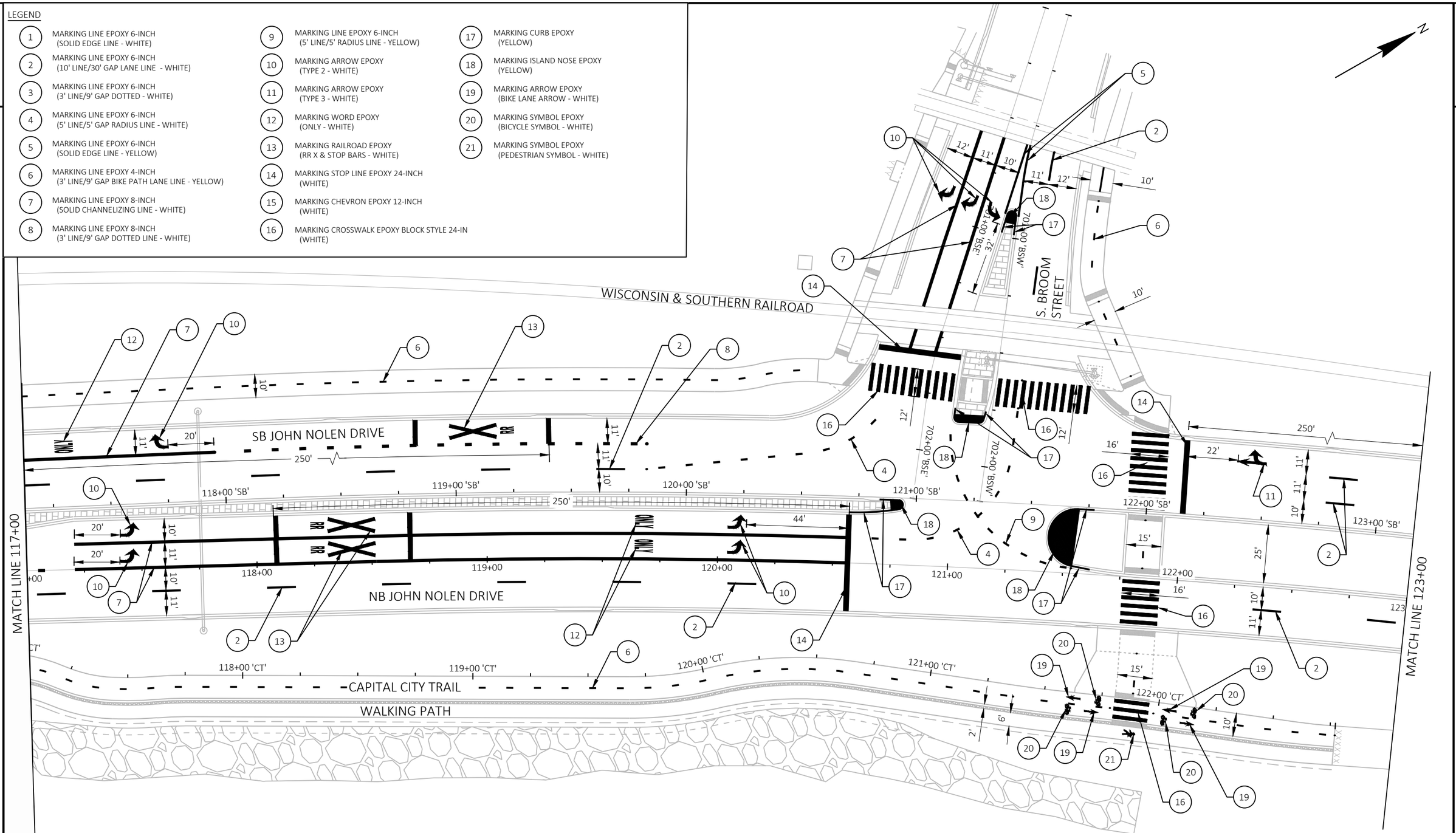
PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
9. MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)
10. MARKING ARROW EPOXY (TYPE 2 - WHITE)
11. MARKING ARROW EPOXY (TYPE 3 - WHITE)
12. MARKING WORD EPOXY (ONLY - WHITE)
13. MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING CHEVRON EPOXY 12-INCH (WHITE)
16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-IN (WHITE)
17. MARKING CURB EPOXY (YELLOW)
18. MARKING ISLAND NOSE EPOXY (YELLOW)
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL - WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL - WHITE)



NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 427	E

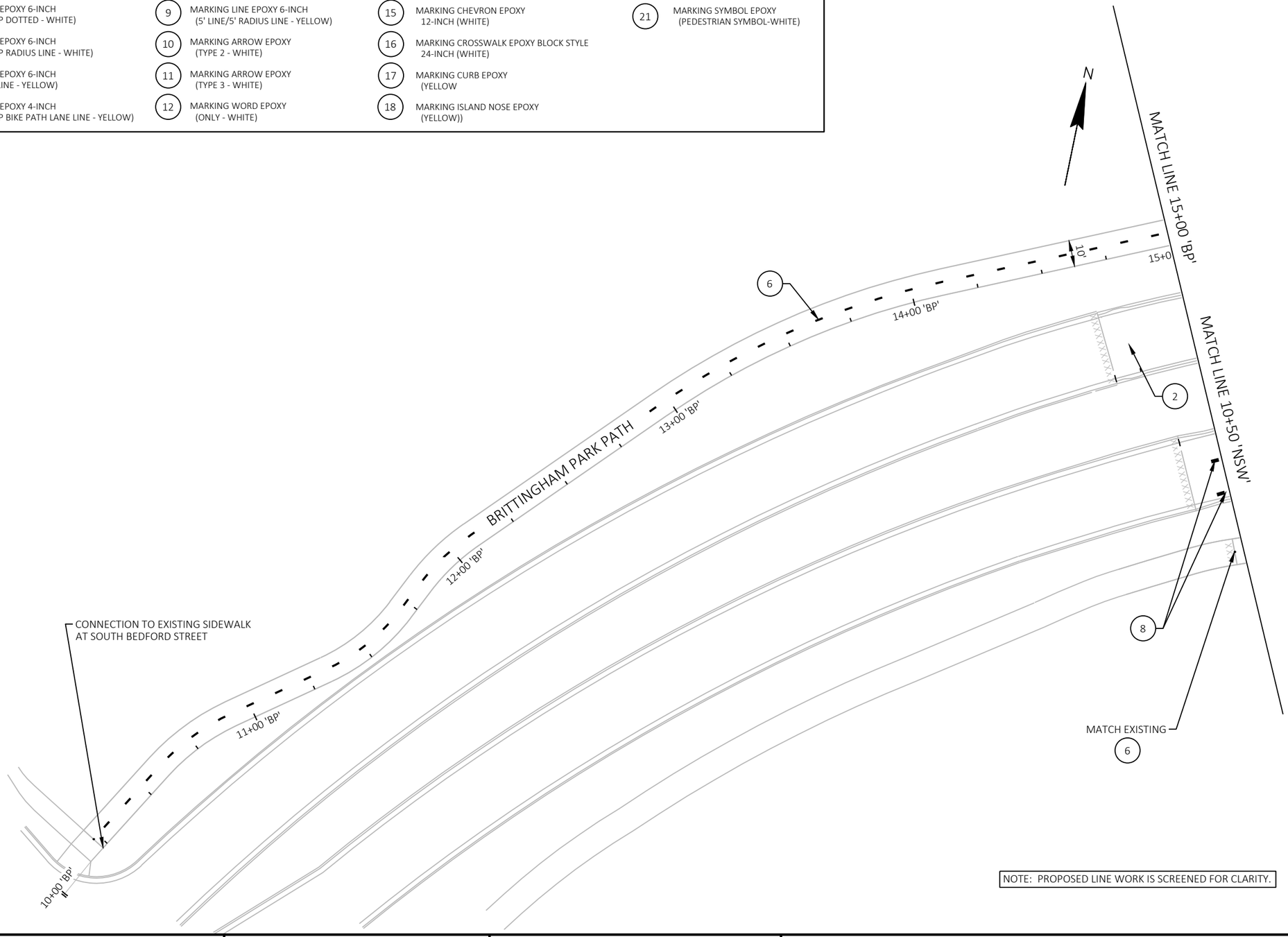
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 10

PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
9. MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)
10. MARKING ARROW EPOXY (TYPE 2 - WHITE)
11. MARKING ARROW EPOXY (TYPE 3 - WHITE)
12. MARKING WORD EPOXY (ONLY - WHITE)
13. MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING CHEVRON EPOXY 12-INCH (WHITE)
16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)



NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 428	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 11
PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

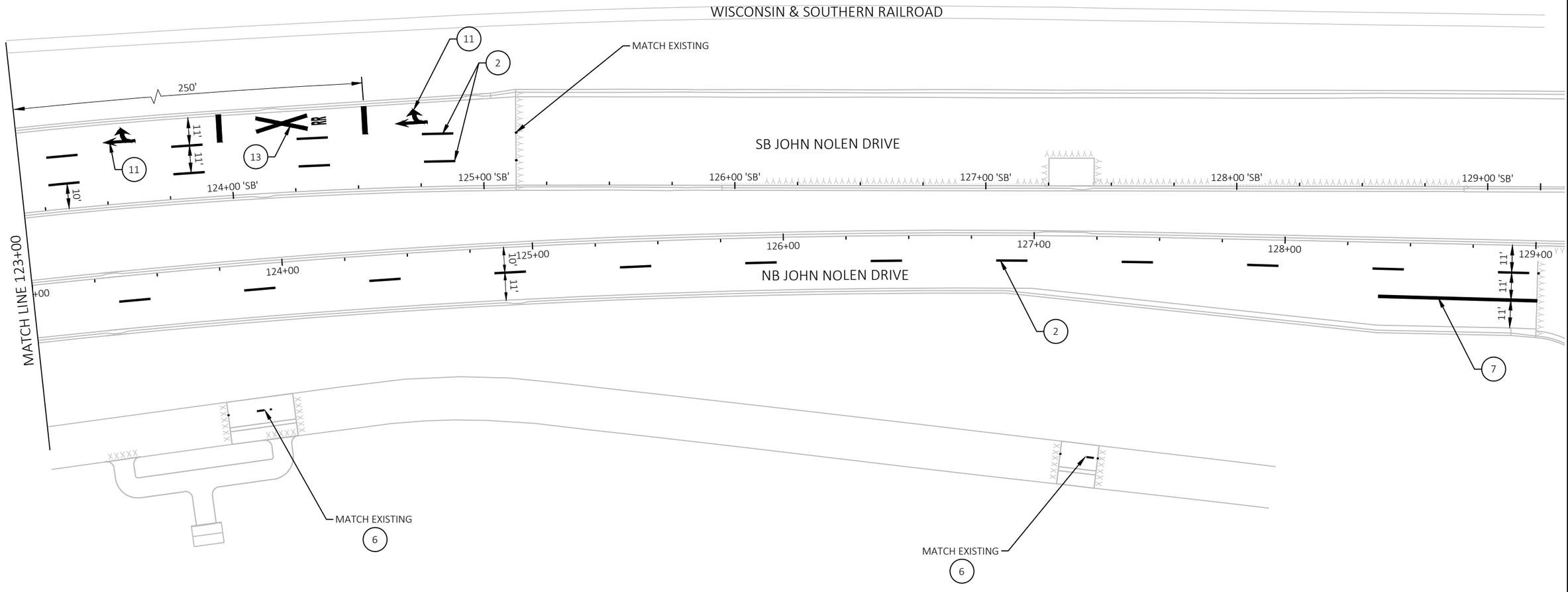
2

LEGEND

1. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - WHITE)
2. MARKING LINE EPOXY 6-INCH (10' LINE/30' GAP LANE LINE - WHITE)
3. MARKING LINE EPOXY 6-INCH (3' LINE/9' GAP DOTTED - WHITE)
4. MARKING LINE EPOXY 6-INCH (5' LINE/5' GAP RADIUS LINE - WHITE)
5. MARKING LINE EPOXY 6-INCH (SOLID EDGE LINE - YELLOW)
6. MARKING LINE EPOXY 4-INCH (3' LINE/9' GAP BIKE PATH LANE LINE - YELLOW)
7. MARKING LINE EPOXY 8-INCH (SOLID CHANNELIZING LINE - WHITE)
8. MARKING LINE EPOXY 8-INCH (3' LINE/9' GAP DOTTED LINE - WHITE)
9. MARKING LINE EPOXY 6-INCH (5' LINE/5' RADIUS LINE - YELLOW)
10. MARKING ARROW EPOXY (TYPE 2 - WHITE)
11. MARKING ARROW EPOXY (TYPE 3 - WHITE)
12. MARKING WORD EPOXY (ONLY - WHITE)
13. MARKING RAILROAD EPOXY (RR X & STOP BARS - WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING CHEVRON EPOXY 12-INCH (WHITE)
16. MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
17. MARKING CURB EPOXY (YELLOW
18. MARKING ISLAND NOSE EPOXY (YELLOW))
19. MARKING ARROW EPOXY (BIKE LANE ARROW - WHITE)
20. MARKING SYMBOL EPOXY (BICYCLE SYMBOL-WHITE)
21. MARKING SYMBOL EPOXY (PEDESTRIAN SYMBOL-WHITE)

N

NOTE: PROPOSED LINE WORK IS SCREENED FOR CLARITY.



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PAVEMENT MARKING	SHEET 429	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 12

PLOT DATE : 6/23/2025 10:30 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

GENERAL NOTES FOR TRAFFIC CONTROL

1) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

2) A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER. .

3) ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

4) "WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

5) DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER.

6) WHEN A SEGMENT OF THE PROJECT IS NOT SHOWN ON THE STAGING PLANS, USE THE SAME TRAFFIC CONTROL AS THE PREVIOUS STAGE FOR THE SEGMENT.

7) 16"x16" ORANGE FLAGS SHALL BE INCIDENTAL TO TRAFFIC CONTROL SIGN BID ITEM.

8) CONCRETE BARRIER TEMPORARY PRECAST SHALL BE ANCHORED AT LOCATIONS AS PROVIDED ON THE PLAN SHEETS.

9) TRAFFIC CONTROL DRUMS IN TAPERS SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY.

10) ALL SIGNS TEMPORARY OR EXISTING WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER.

11) ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.

12) CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS OF THE TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN IN THESE PLANS.

13) ADDITIONAL TEMPORARY INGRESS/EGRESS TO BE SUBMITTED AND APPROVED BY THE ENGINEER. SEE SDD 15D47 FOR DETAILS.

14) ALTERNATE ROUTE SIGNING TO BE USED FOR ALL STAGES.

2

2

PCMS MESSAGE PLAN

FRAME 1	FRAME 2
ROAD WORK BEGINS	XXXXDAY XX/XX

EAST LAKESIDE ST

WISCONSIN & SOUTHERN RAILROAD

JOHN NOLEN DR

70'TCA'

75'TCA'

80'TCA'

85'TCA'

90'TCA'

95'TCA'

MB

CAPITAL CITY TRAIL

CROSSOVER XA

MATCH LINE STA 99+00

LAKE MONONA

N

MAINTENANCE OF TRAFFIC - STAGE 1 (PEAK HOURS)

TRAFFIC

- JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS. (OVERNIGHT CLOSURE OF NB LANES REQUIRED TO COMPLETE TEMPORARY STORM SEWER OUTFALLS).
- NB LANES WILL BE ON THE EXISTING NB OUTSIDE LANES.
- SB LANES WILL BE ON THE EXISTING SB OUTSIDE LANES.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE ARE NOT PERMITTED.

PEDESTRIANS

- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS TO REMAIN OPEN.
- PEDESTRIAN ACCESS TO BROOM STREET AND NORTH SHORE DRIVE TO REMAIN OPEN.

CONSTRUCTION

- CONSTRUCT CROSSOVERS AND TEMPORARY MEDIAN WIDENING.
- CONSTRUCT TEMPORARY STORM SEWER OUTFALLS.

NORTH SHORE DRIVE

MB

BROOM STREET

N

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE STA 99+00

100'TCA'

105'TCA'

110'TCA'

115'TCA'

120'TCA'

125'TCA'

130'TCA'

CAPITAL CITY TRAIL

JOHN NOLEN DR

CROSSOVER XB

MB

PCMS MESSAGE PLAN

EVENT/LOCATION	PANEL 1	PANEL 2
PEAK HOURS	ROAD WORK BEGINS	XXXX DAY XX/XX

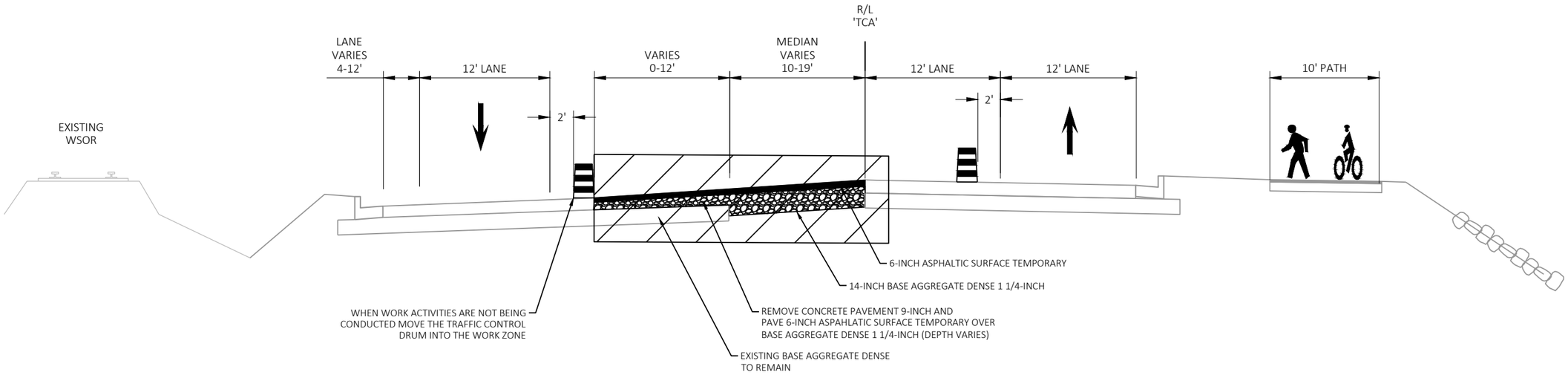
LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (PEAK HOURS)	SHEET 431	E

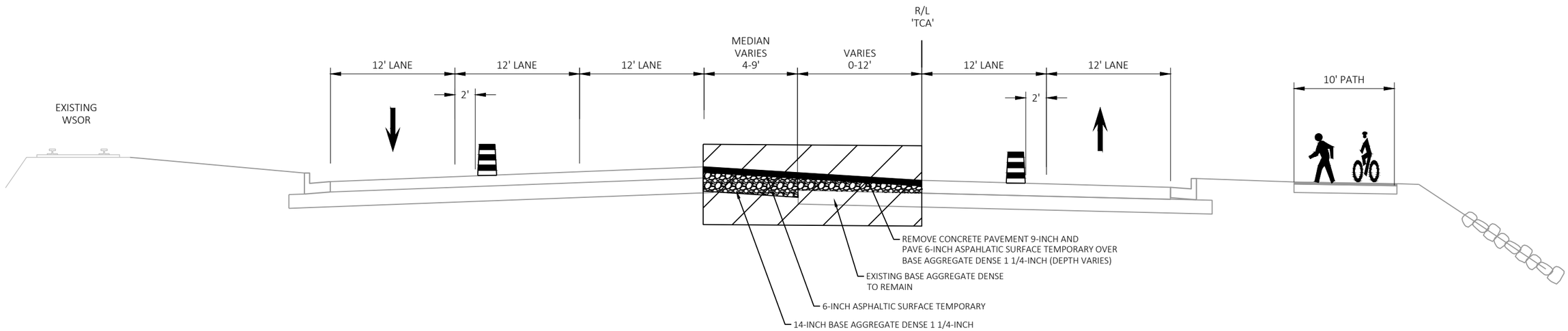
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



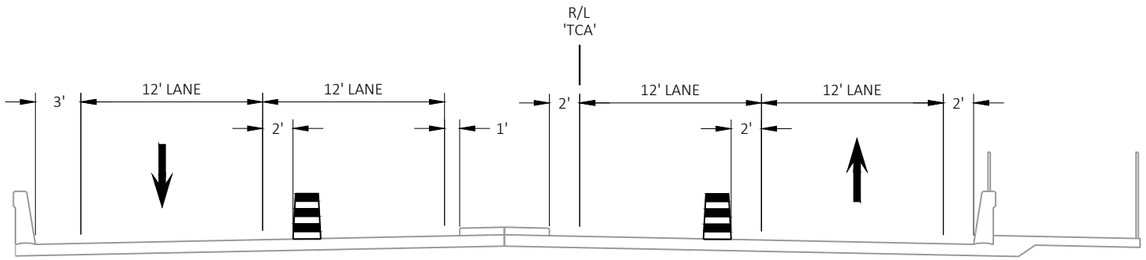
TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 1 (PEAK HOURS) - CROSSOVER XA



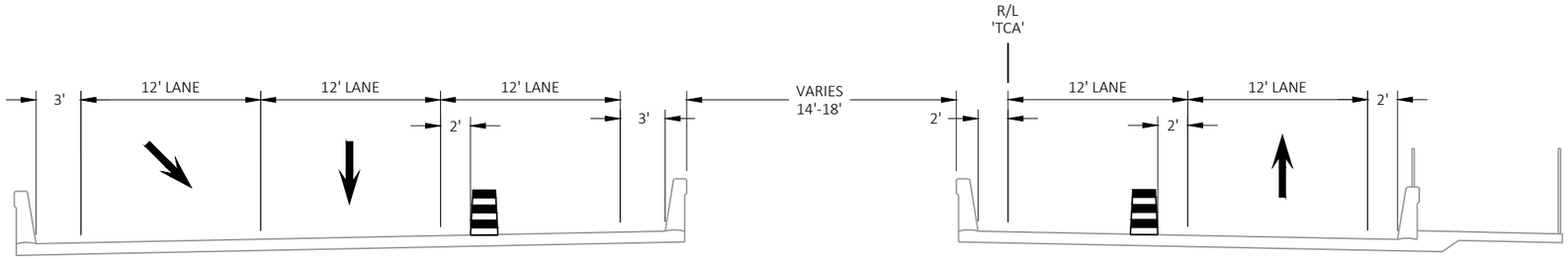
TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 1 (PEAK HOURS) - CROSSOVER XB

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTIONS (PEAK HOURS)	SHEET 432	E

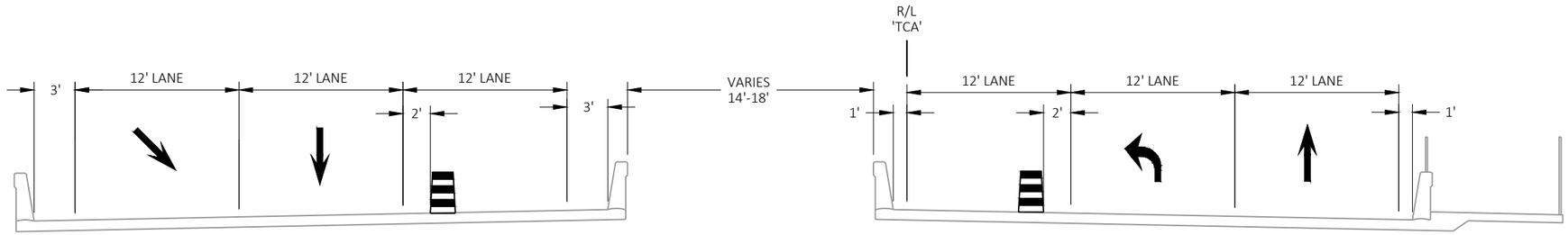
2



TYPICAL SECTION EXISTING STRUCTURES - STAGE 1 (PEAK HOURS)
STA 87+92 'TCA' - STA 89+45 'TCA'



TYPICAL SECTION EXISTING STRUCTURES - STAGE 1 (PEAK HOURS)
STA 106+94 'TCA' - STA 109+04 'TCA'

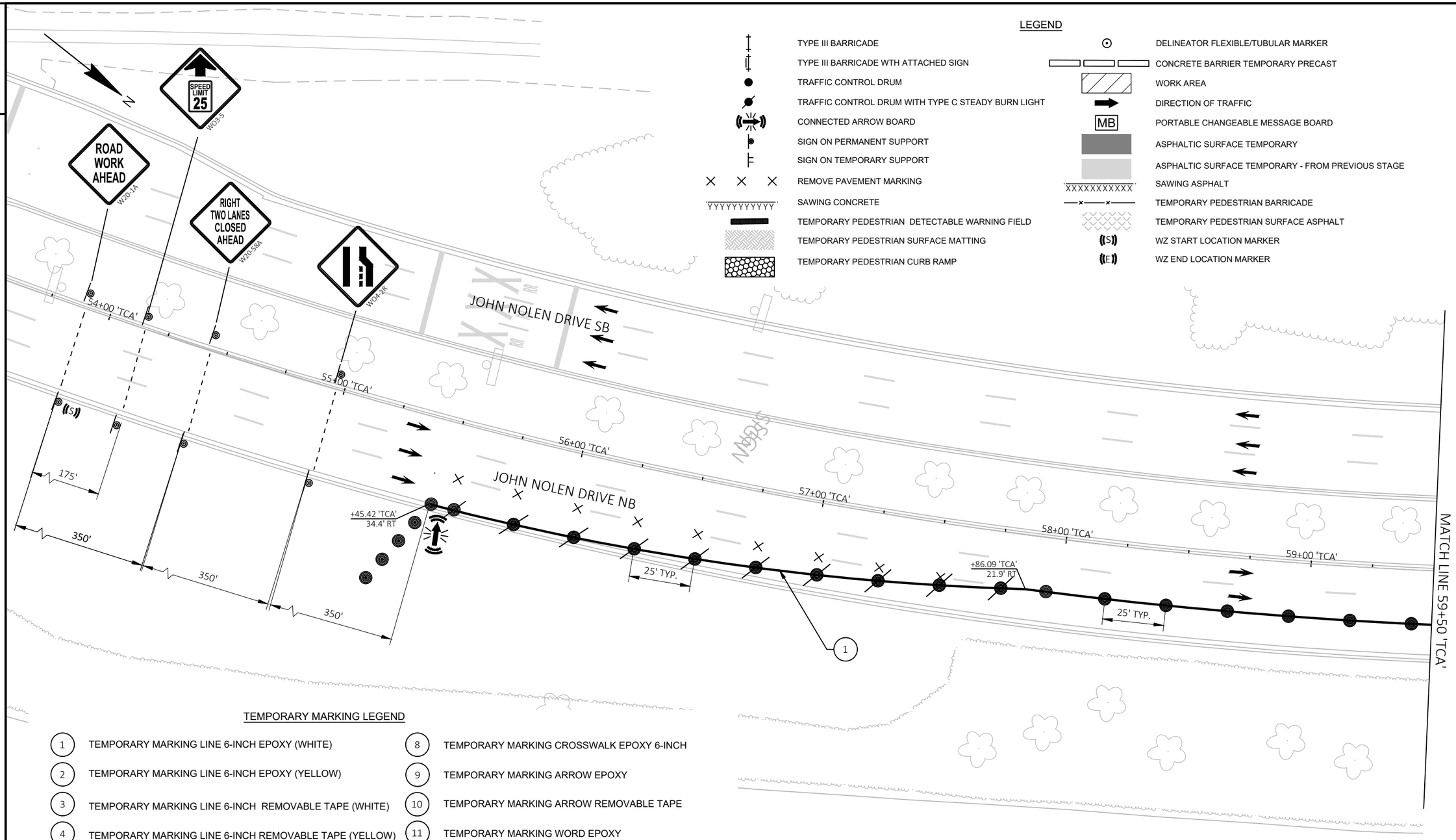


TYPICAL SECTION EXISTING STRUCTURES - STAGE 1 (PEAK HOURS)
STA 111+70 'TCA' - STA 113+95 'TCA'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTIONS (PEAK HOURS)	SHEET 433	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC_TS.DWG
LAYOUT NAME - 02-Stage 1
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

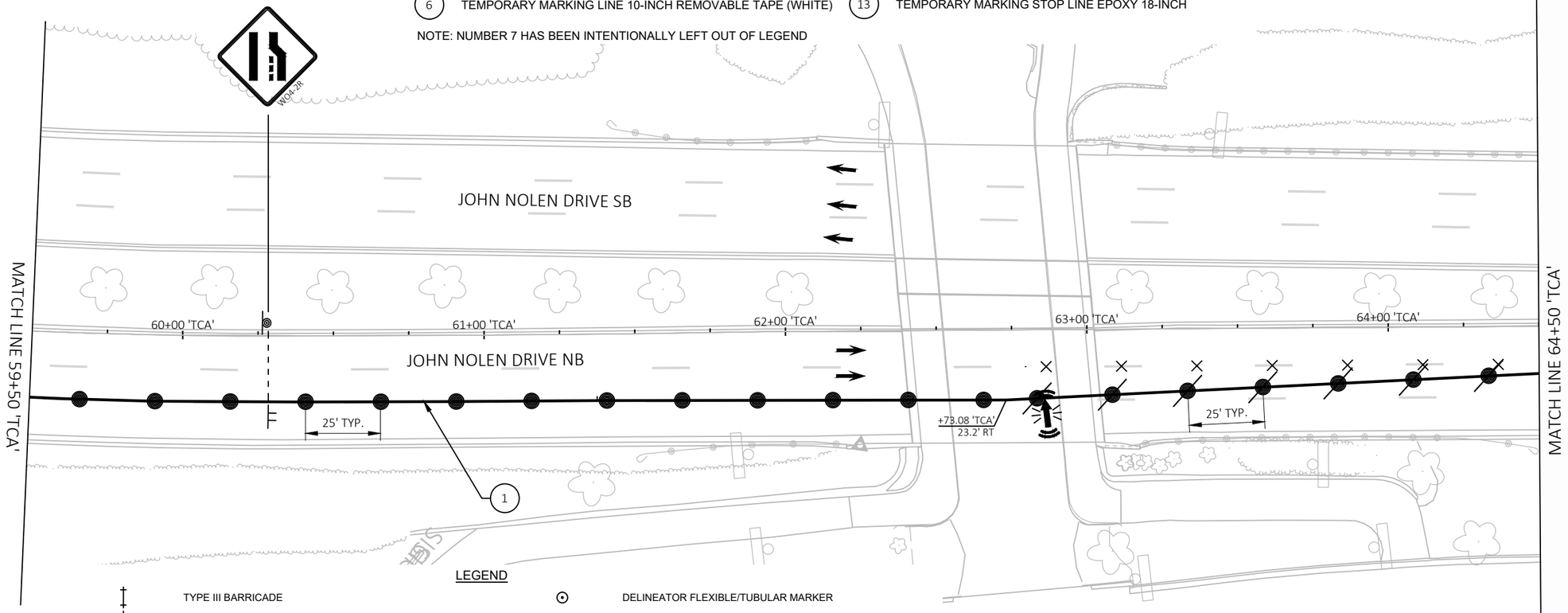
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 434	E

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

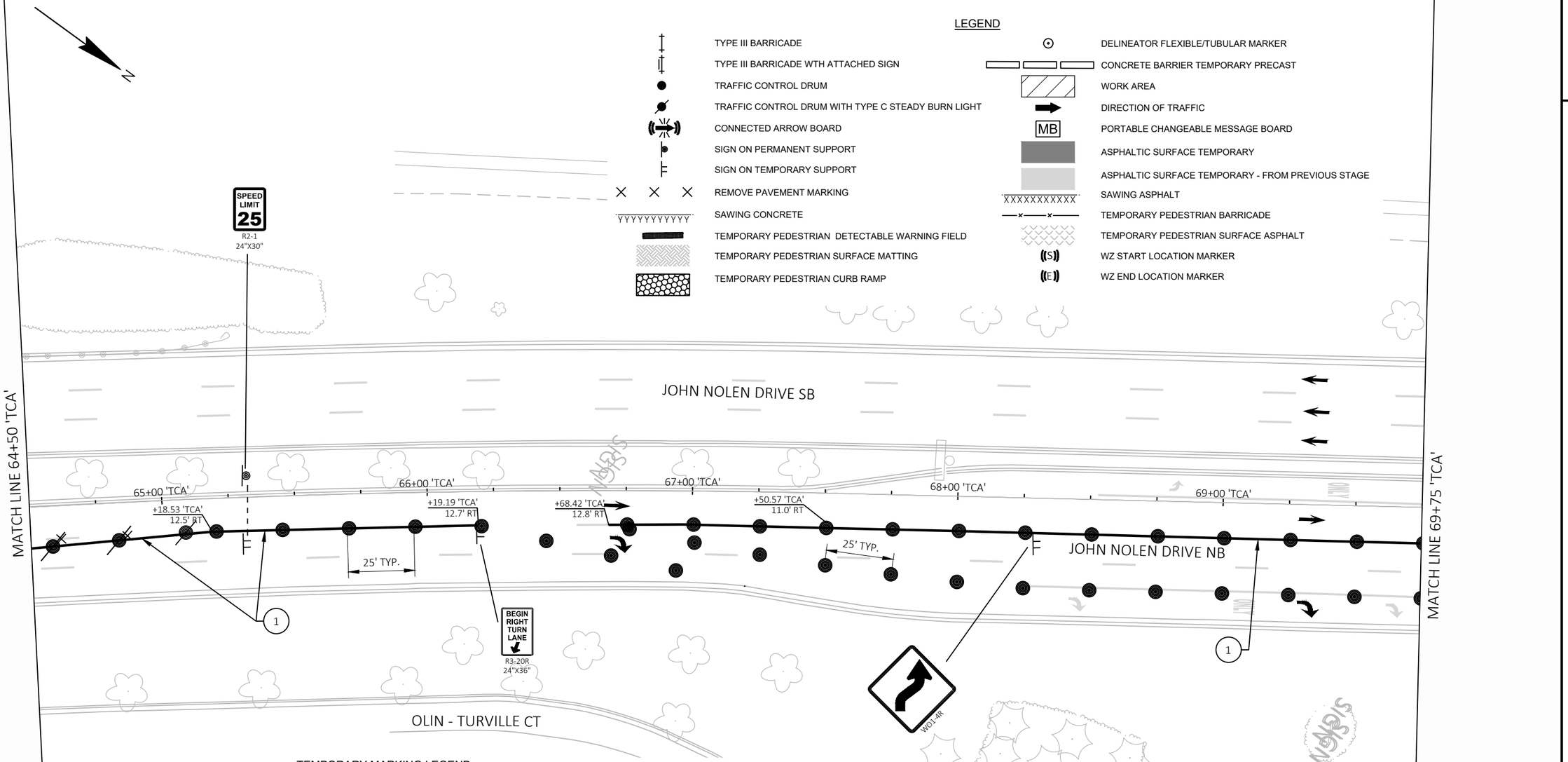
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 435	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

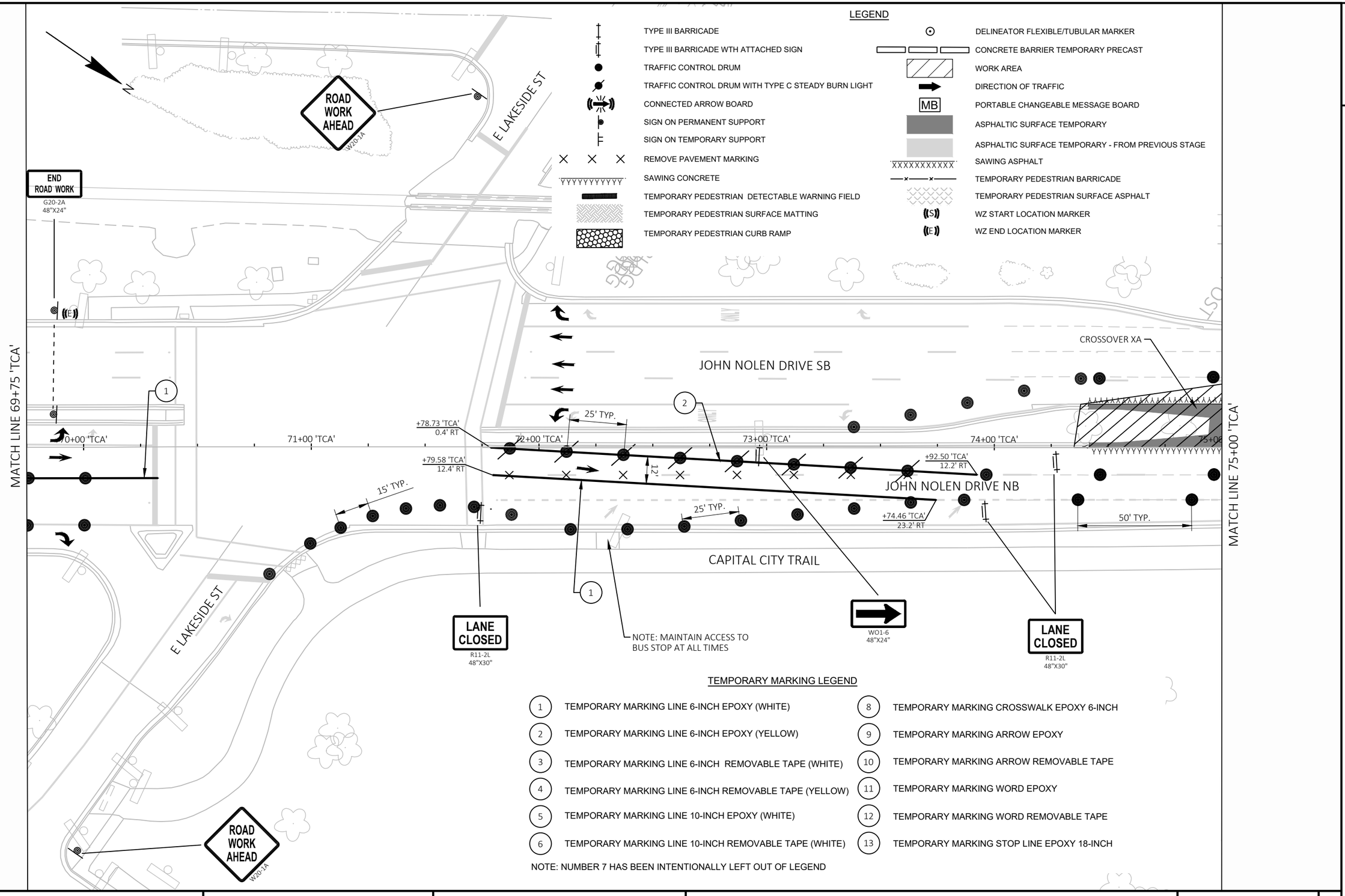
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 436	E

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

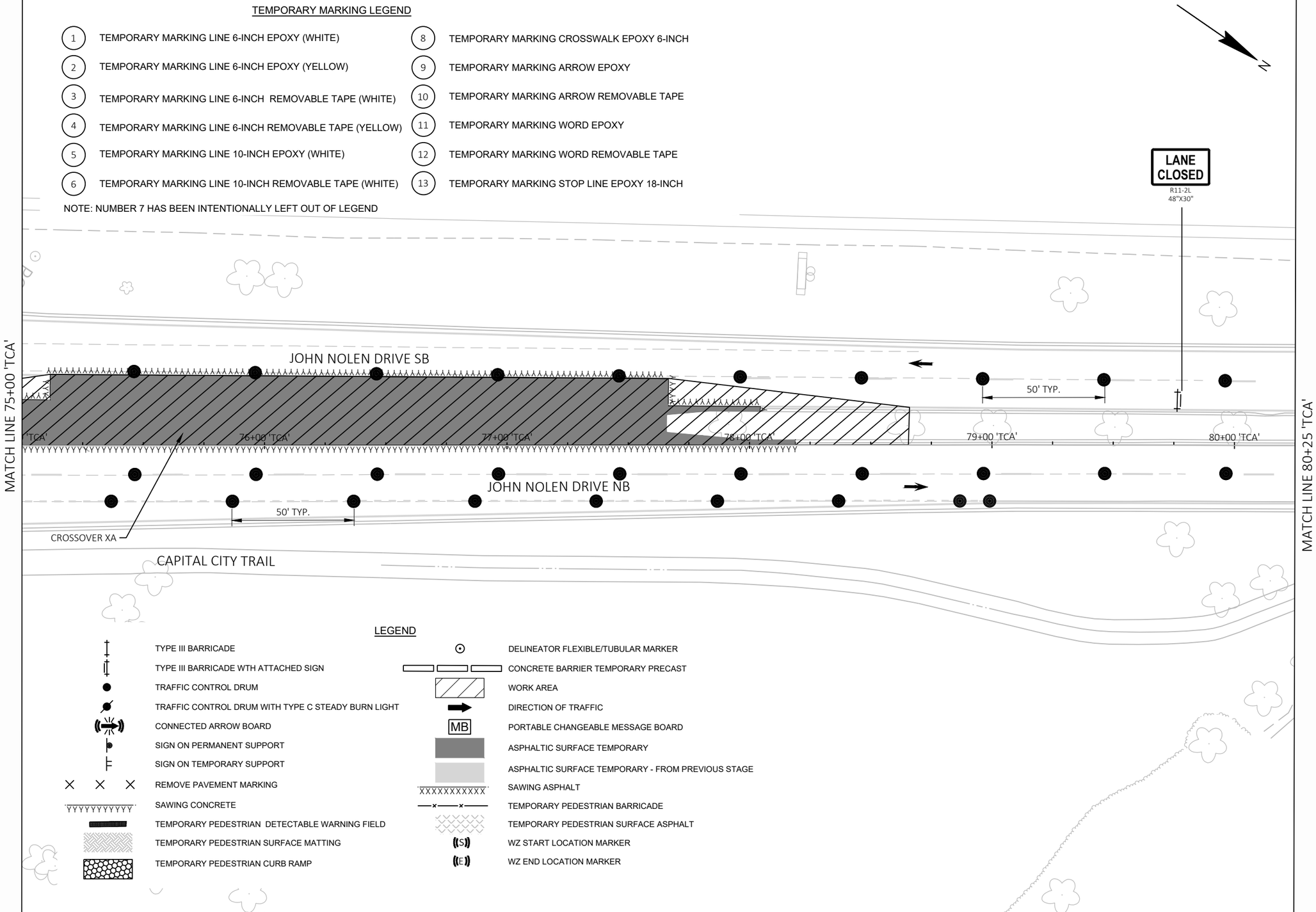
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 437 E

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

2

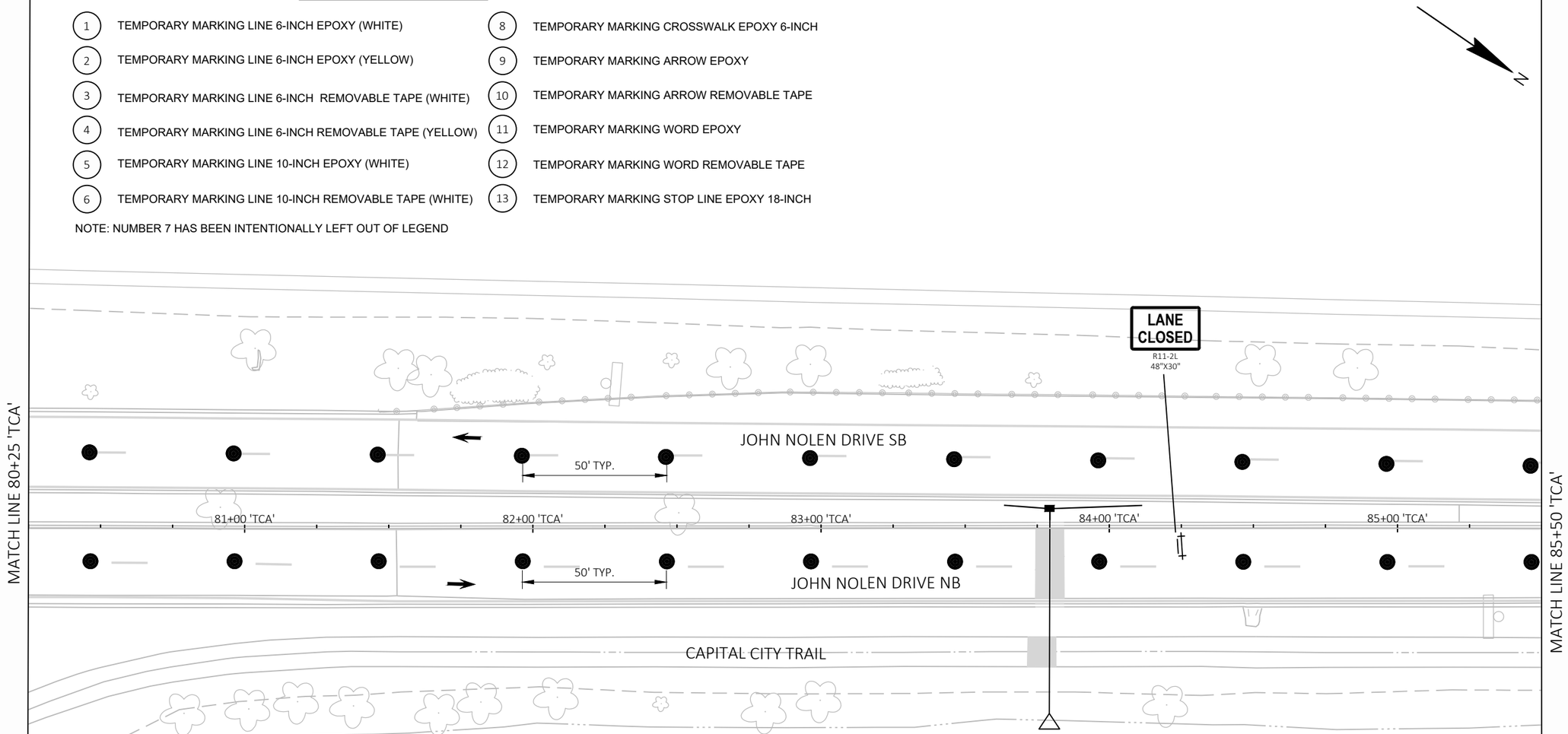
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 438	E

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 439	E

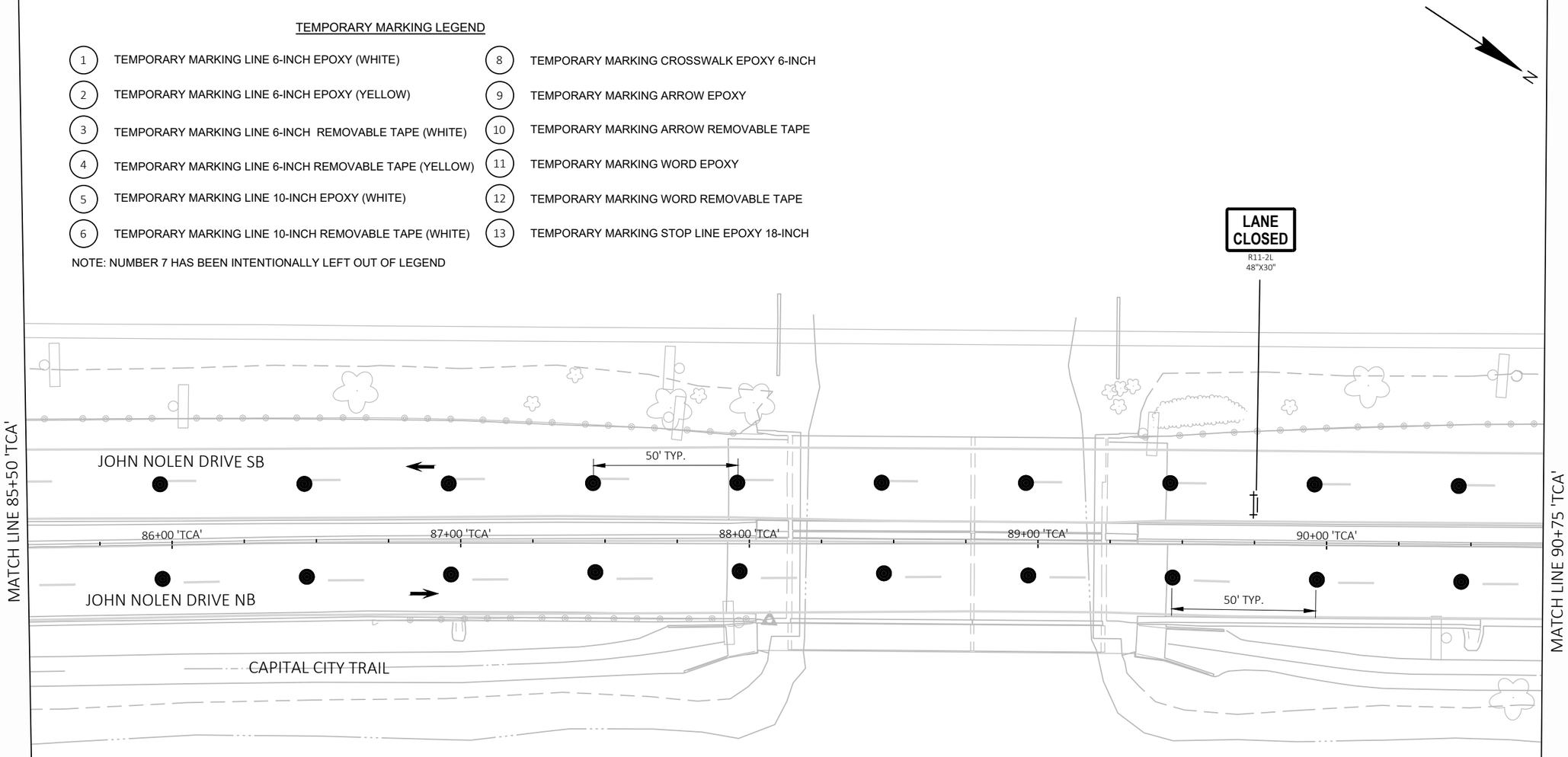
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 06
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 440	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 07

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

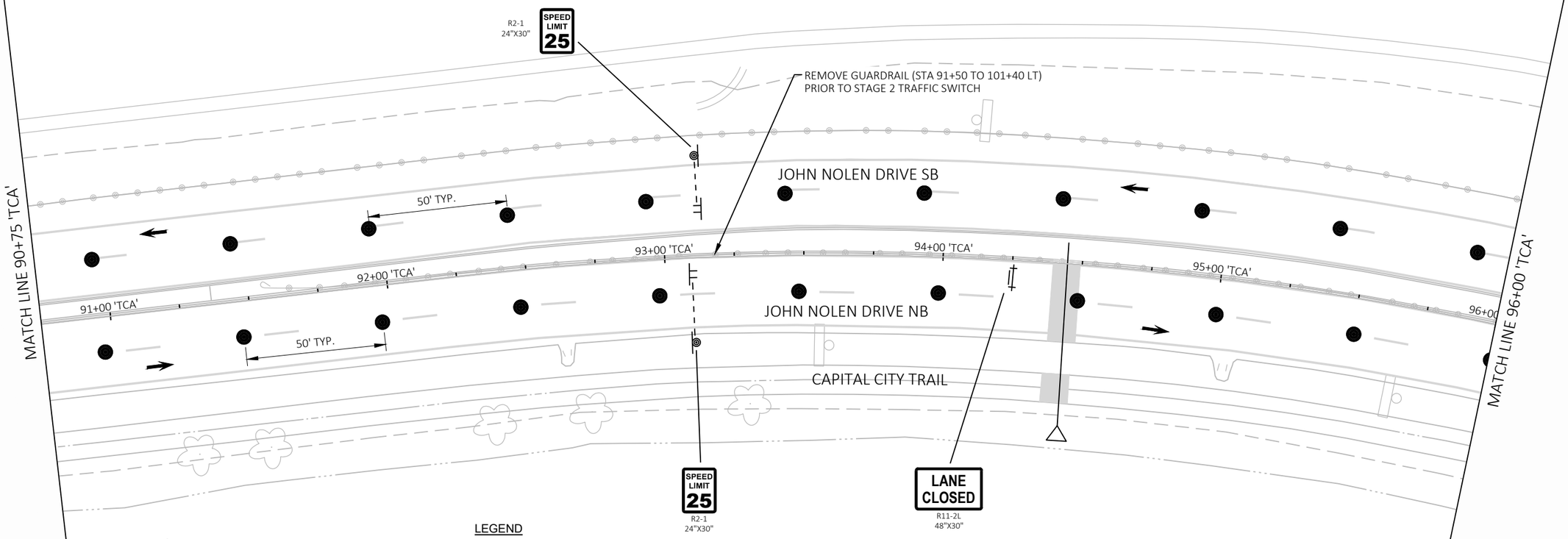
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 441	E

2

2

N

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

REMOVE GUARDRAIL (STA 91+50 TO 101+40 LT)
PRIOR TO STAGE 2 TRAFFIC SWITCH

LANE CLOSED
R11-2L
48"X30"

50' TYP.

JOHN NOLEN DRIVE SB

97+00 'TCA'

98+00 'TCA'

99+00 'TCA'

100+00 'TCA'

101+00 'TCA'

50' TYP.

JOHN NOLEN DRIVE NB

MATCH LINE 96+00 'TCA'

MATCH LINE 101+25 'TCA'

CAPITAL CITY TRAIL

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 442	E

2

TEMPORARY MARKING LEGEND

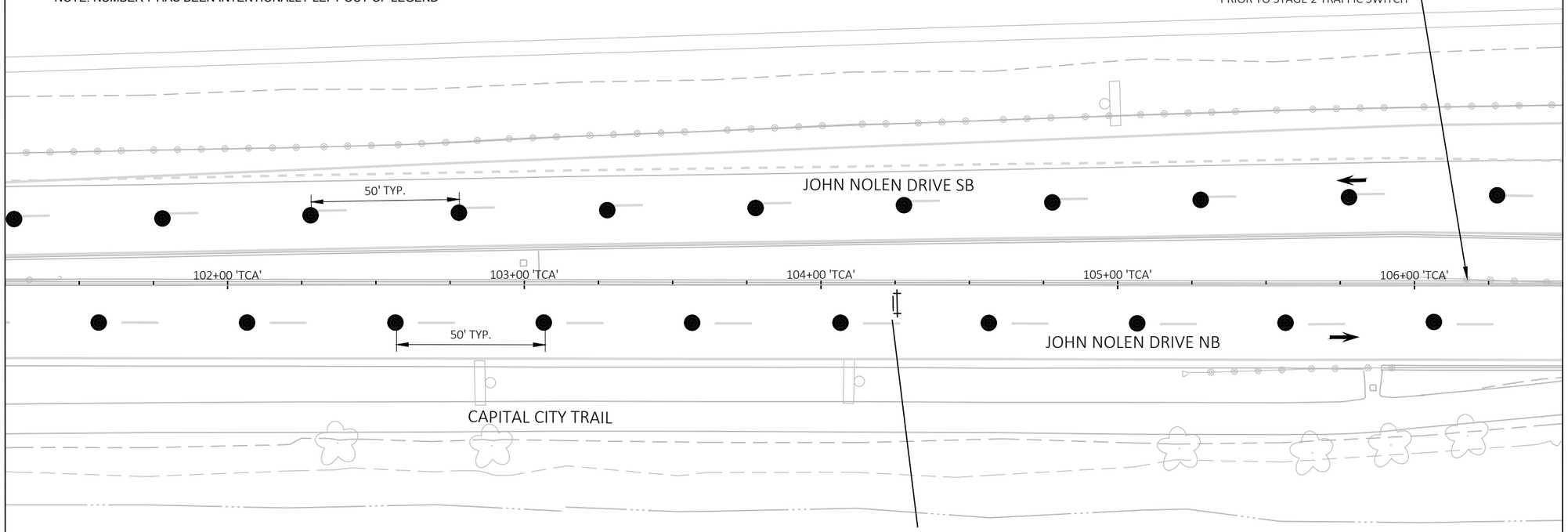
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N

REMOVE GUARDRAIL (STA 106+00 TO 107+00 LT)
PRIOR TO STAGE 2 TRAFFIC SWITCH

MATCH LINE 101+25 'TCA'



MATCH LINE 106+50 'TCA'

LANE CLOSED
R11-2L
48"X30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 443	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 10
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

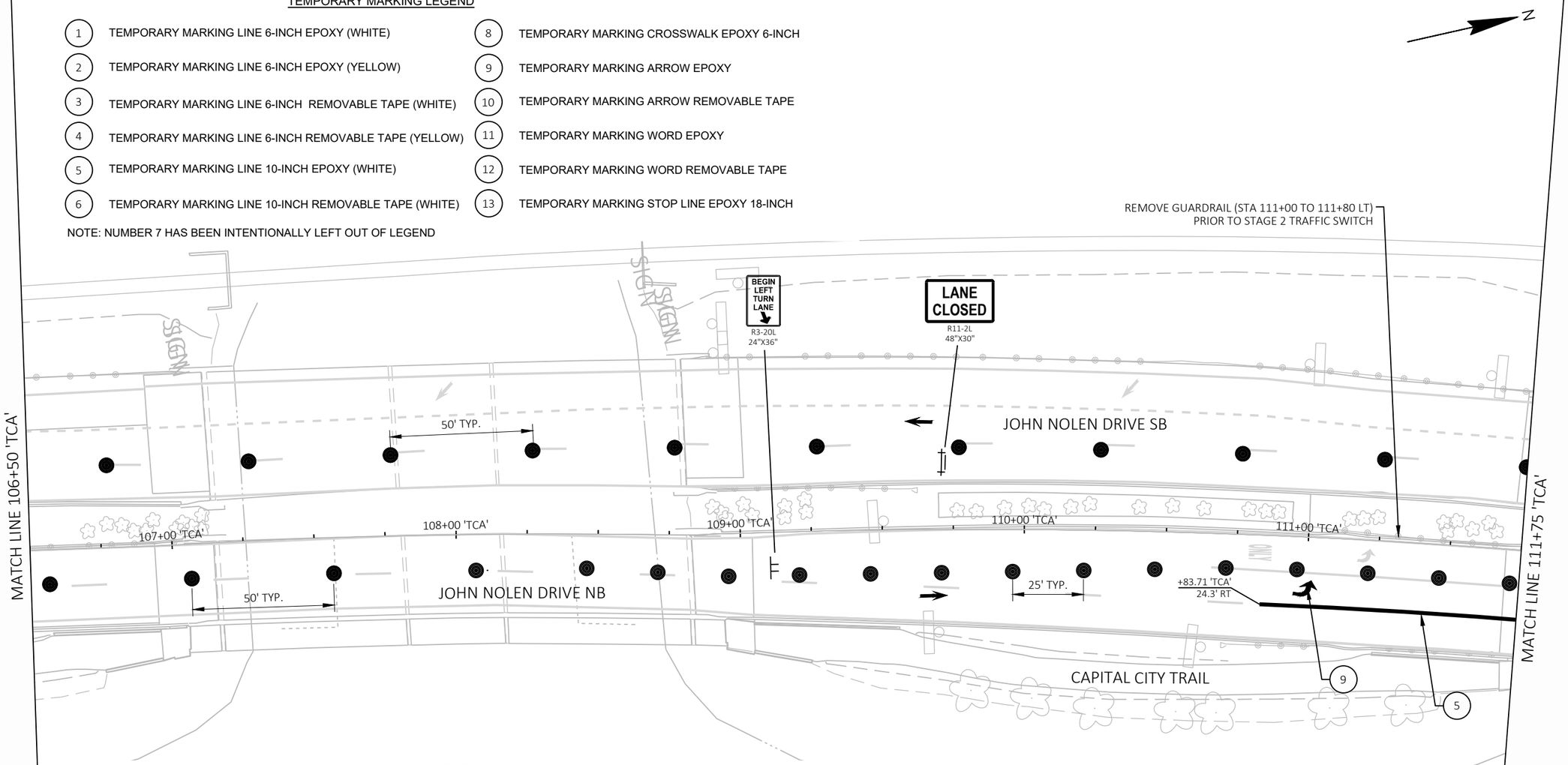
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 444	E

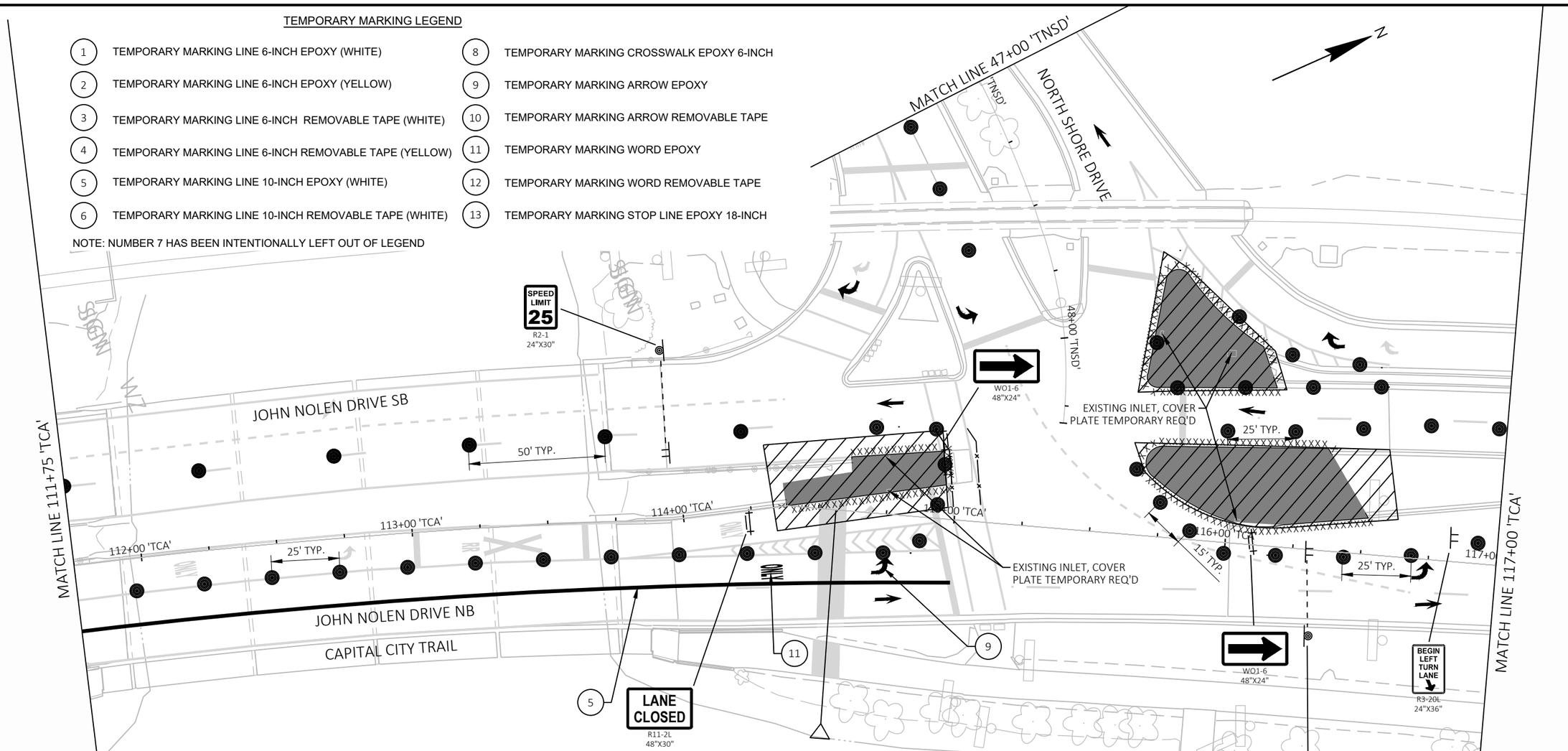
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 11
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

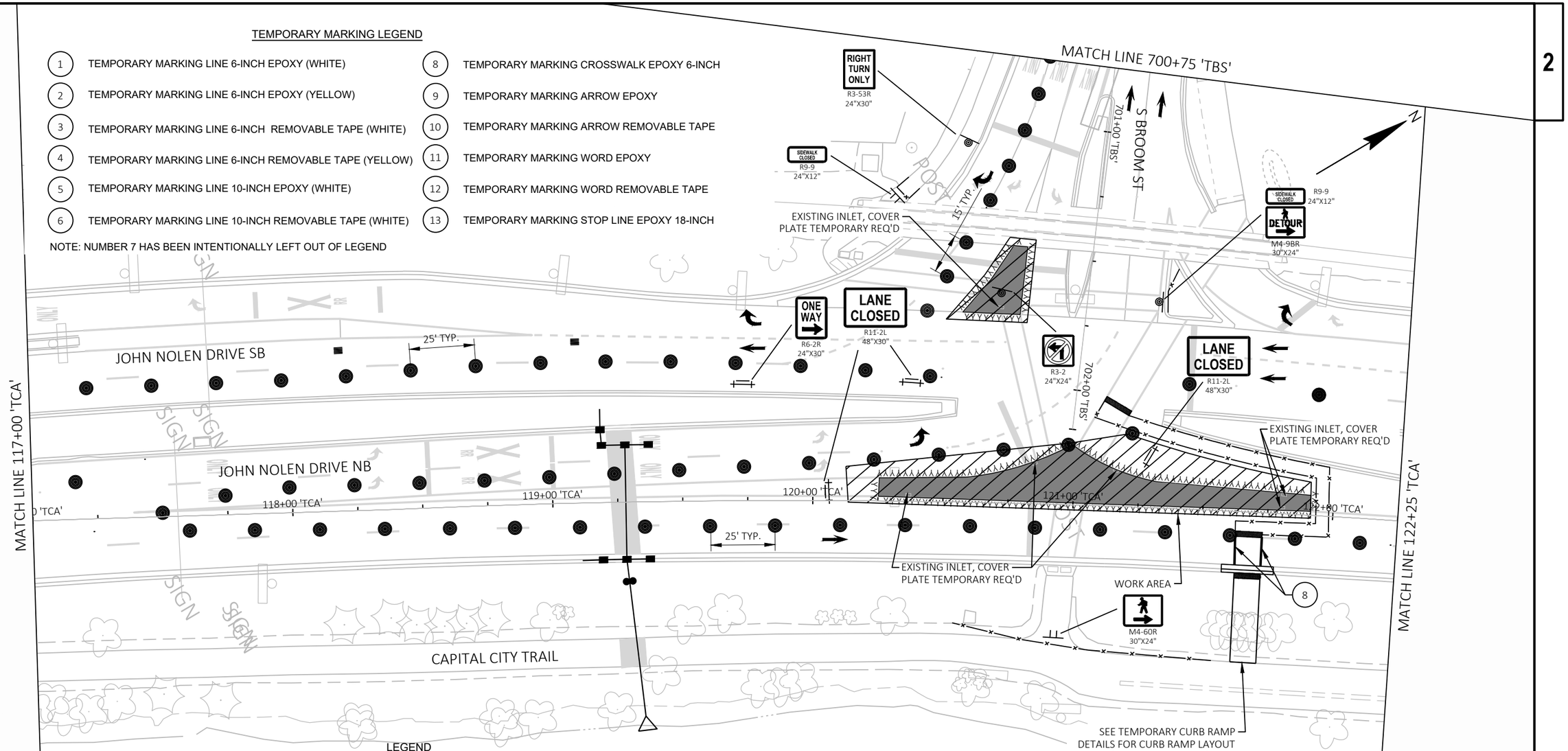
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 445	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 12
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

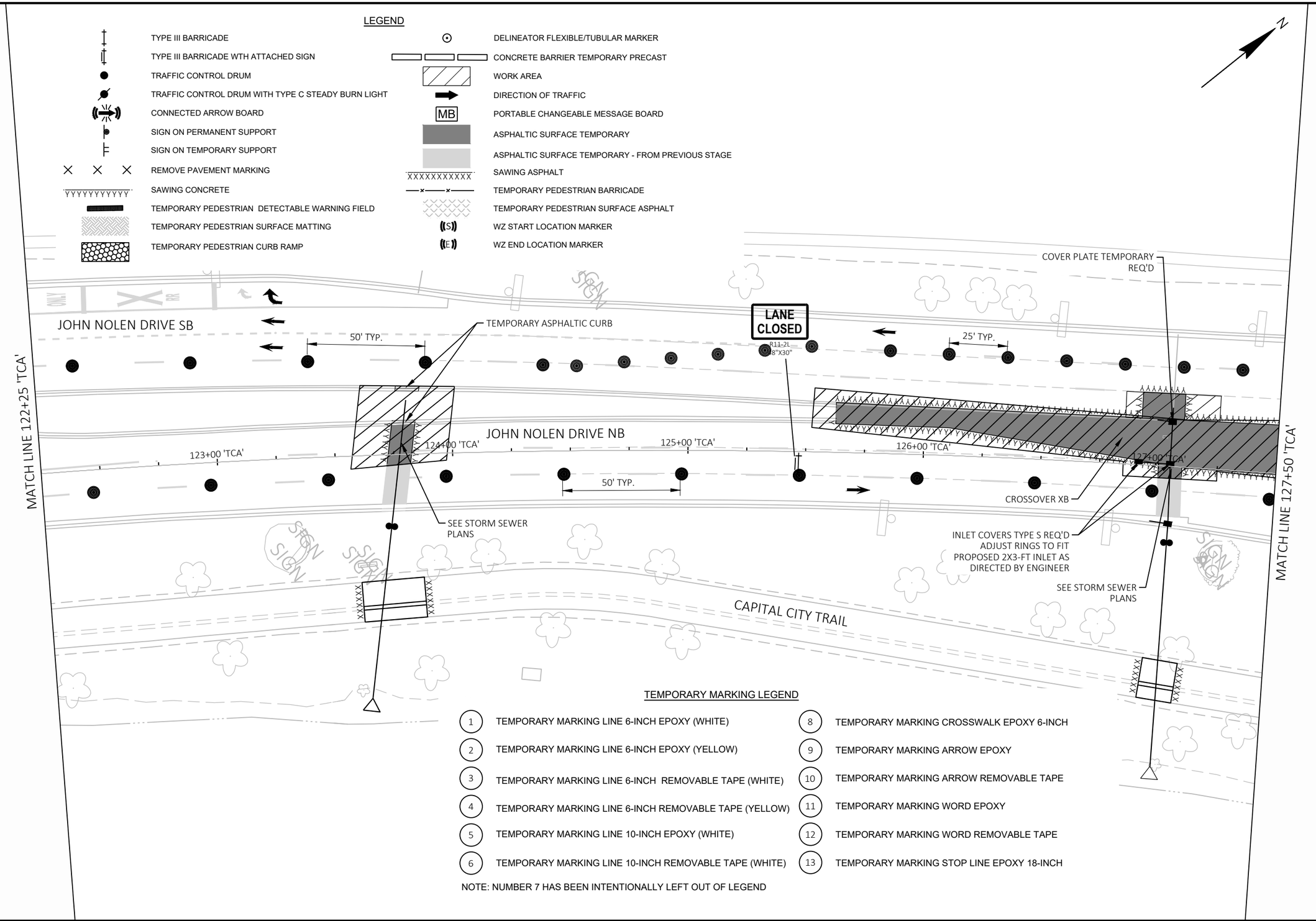
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 446	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 13
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

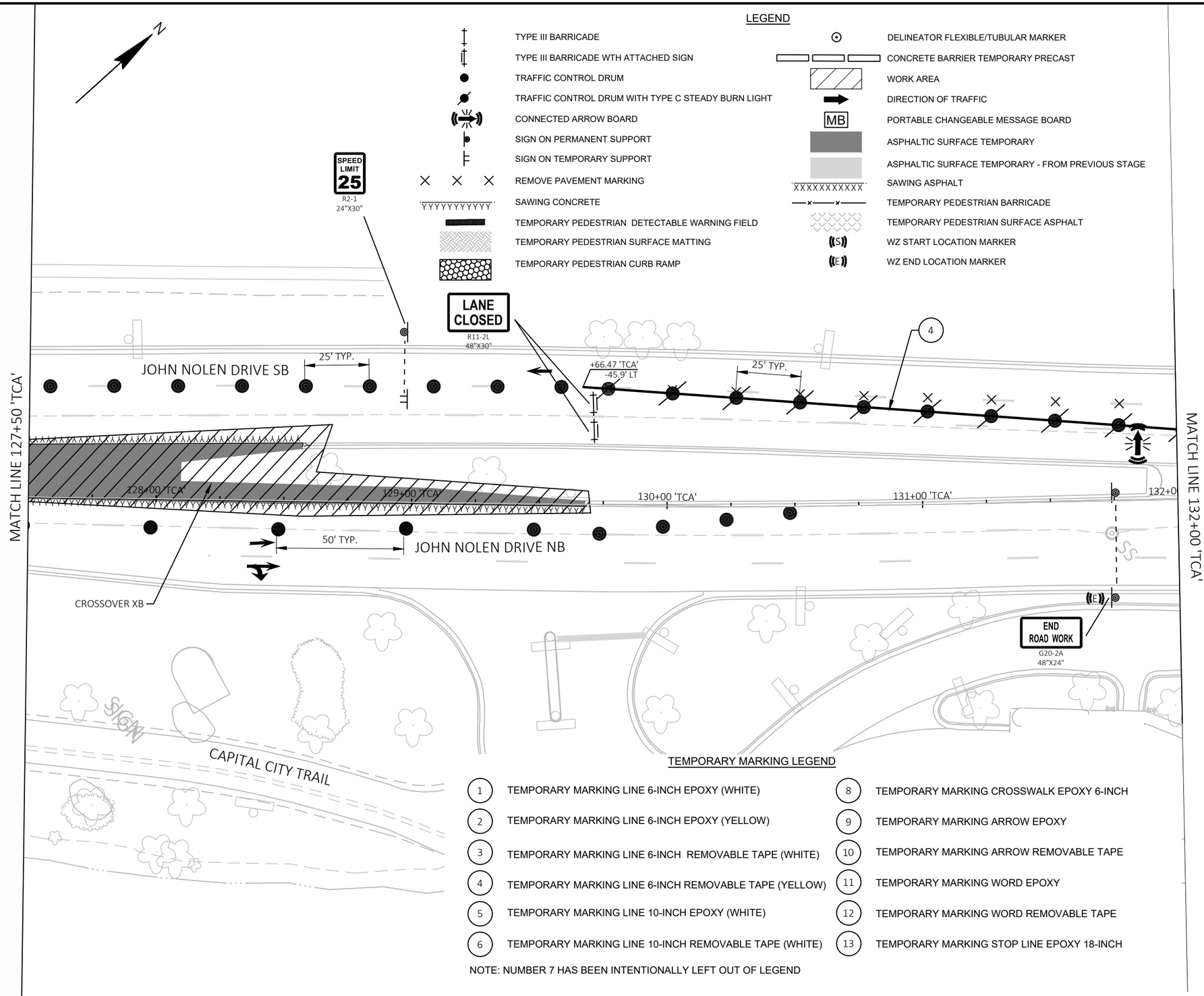
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 447	E

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 448	E

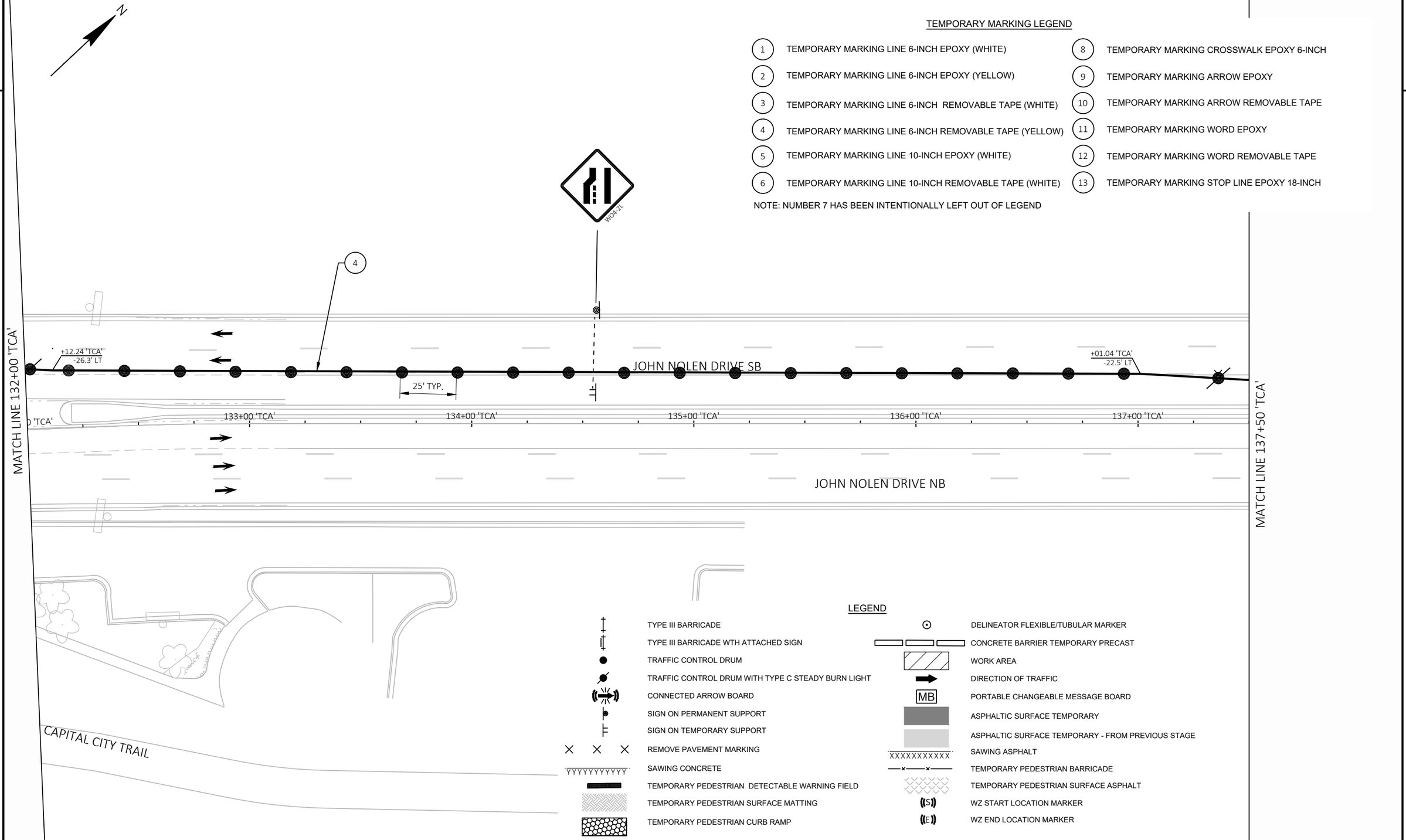
2

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEGIN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 449	E

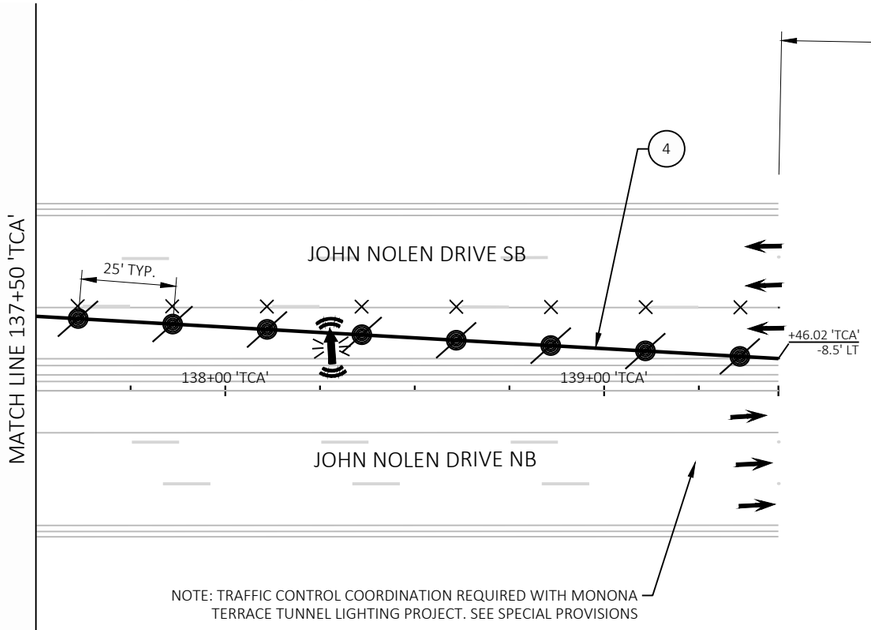
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 16
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

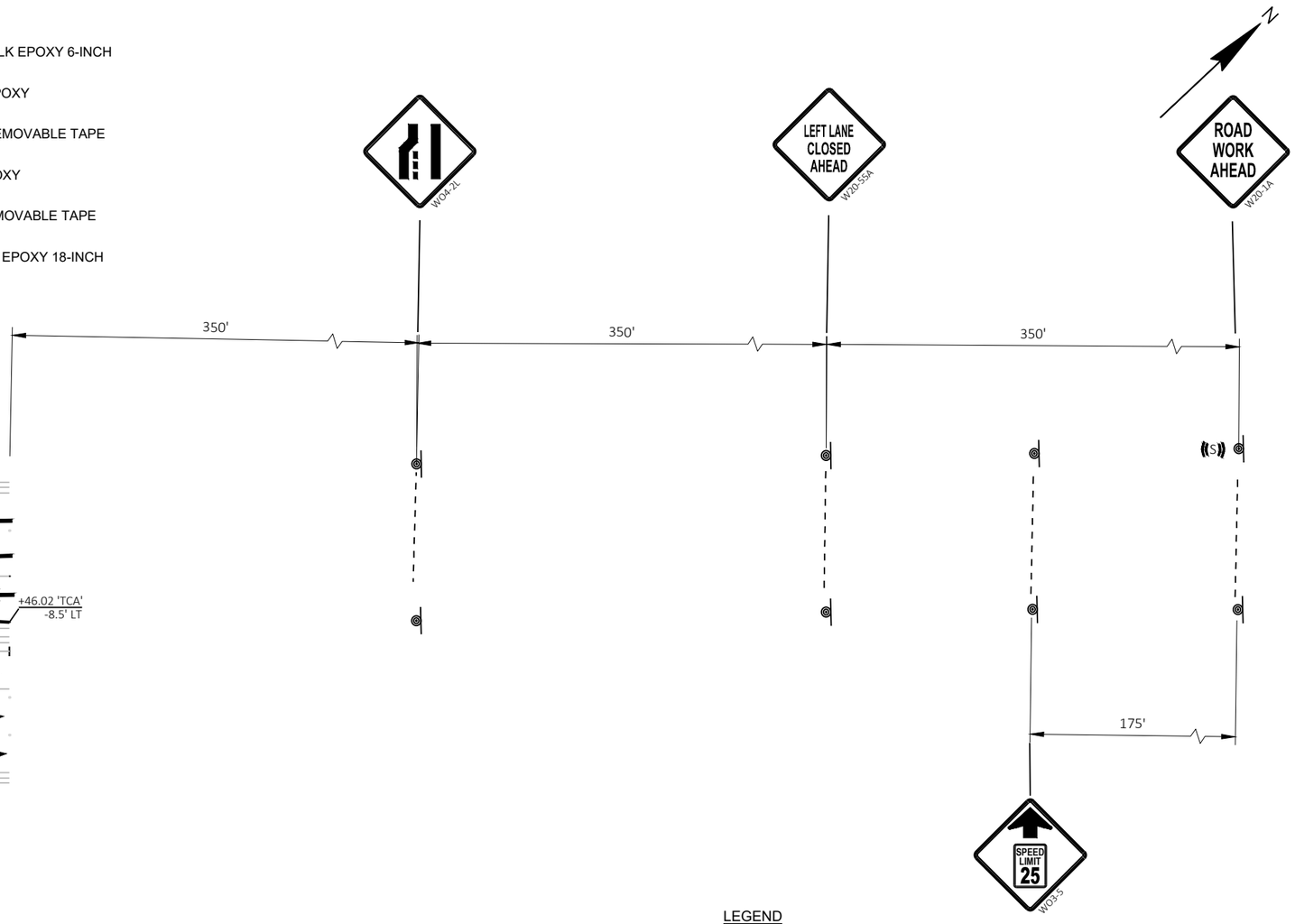
2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND





LEGEND

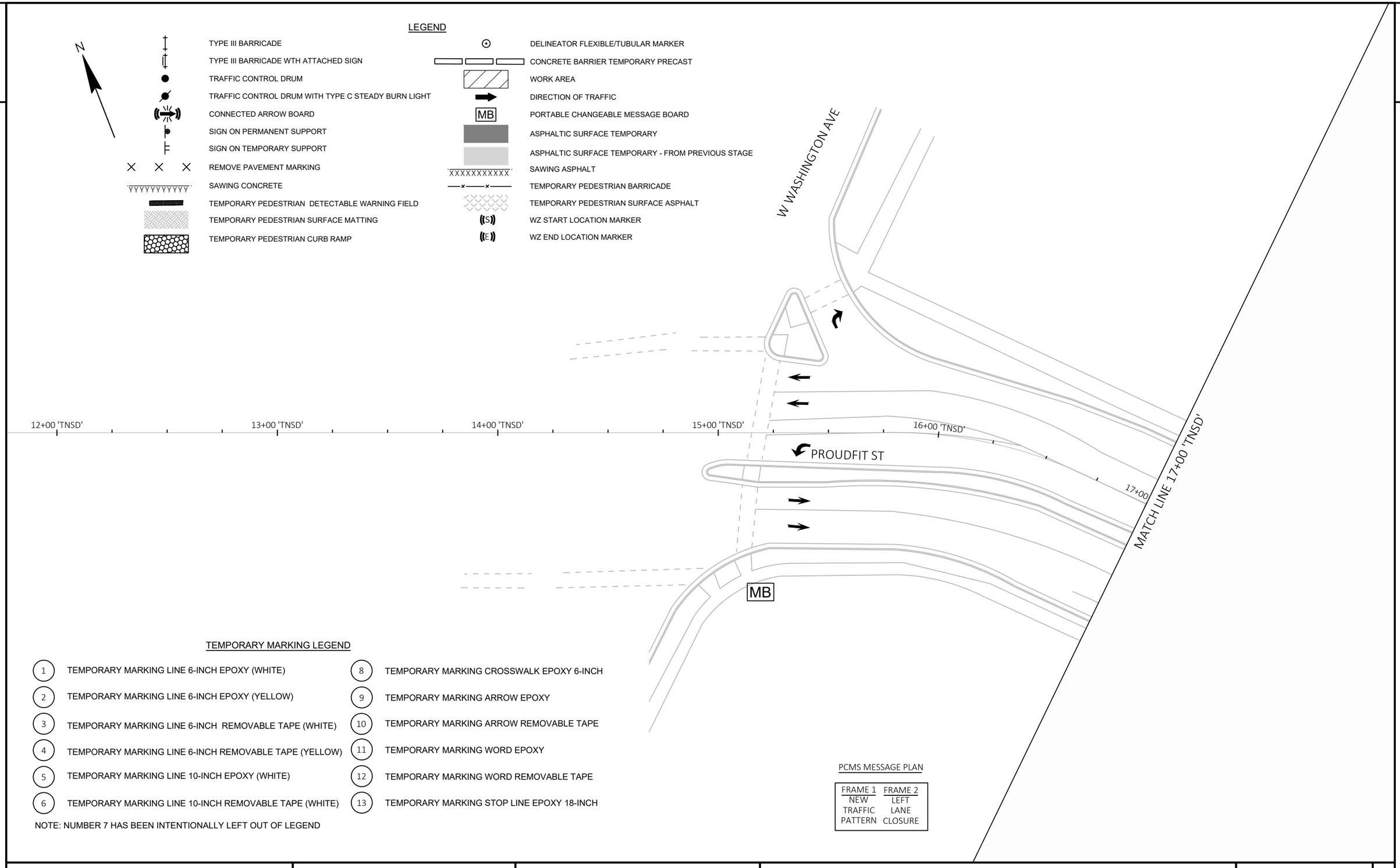
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 450	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PCMS MESSAGE PLAN

FRAME 1	FRAME 2
NEW TRAFFIC PATTERN	LEFT LANE CLOSURE

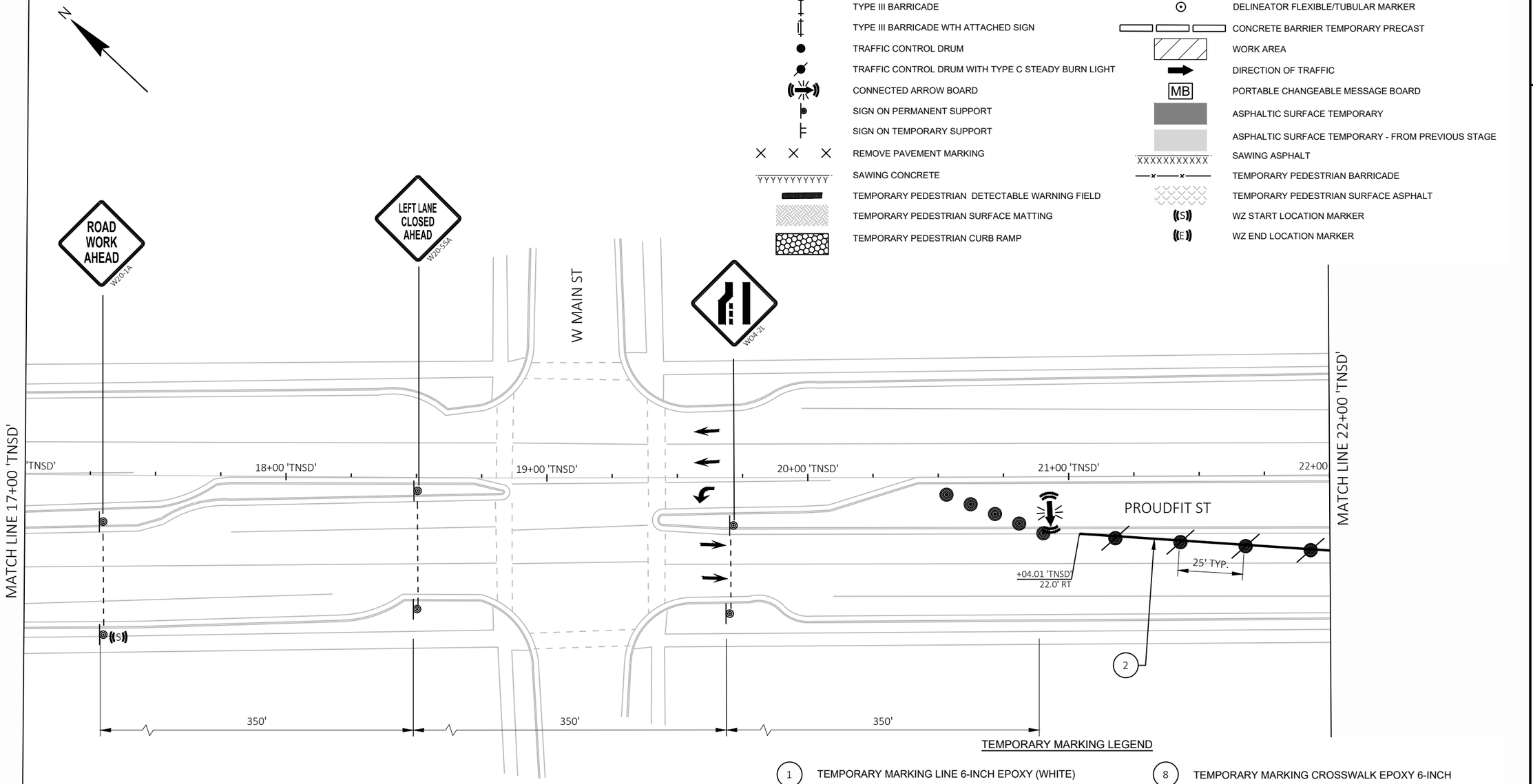
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 451 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 18
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

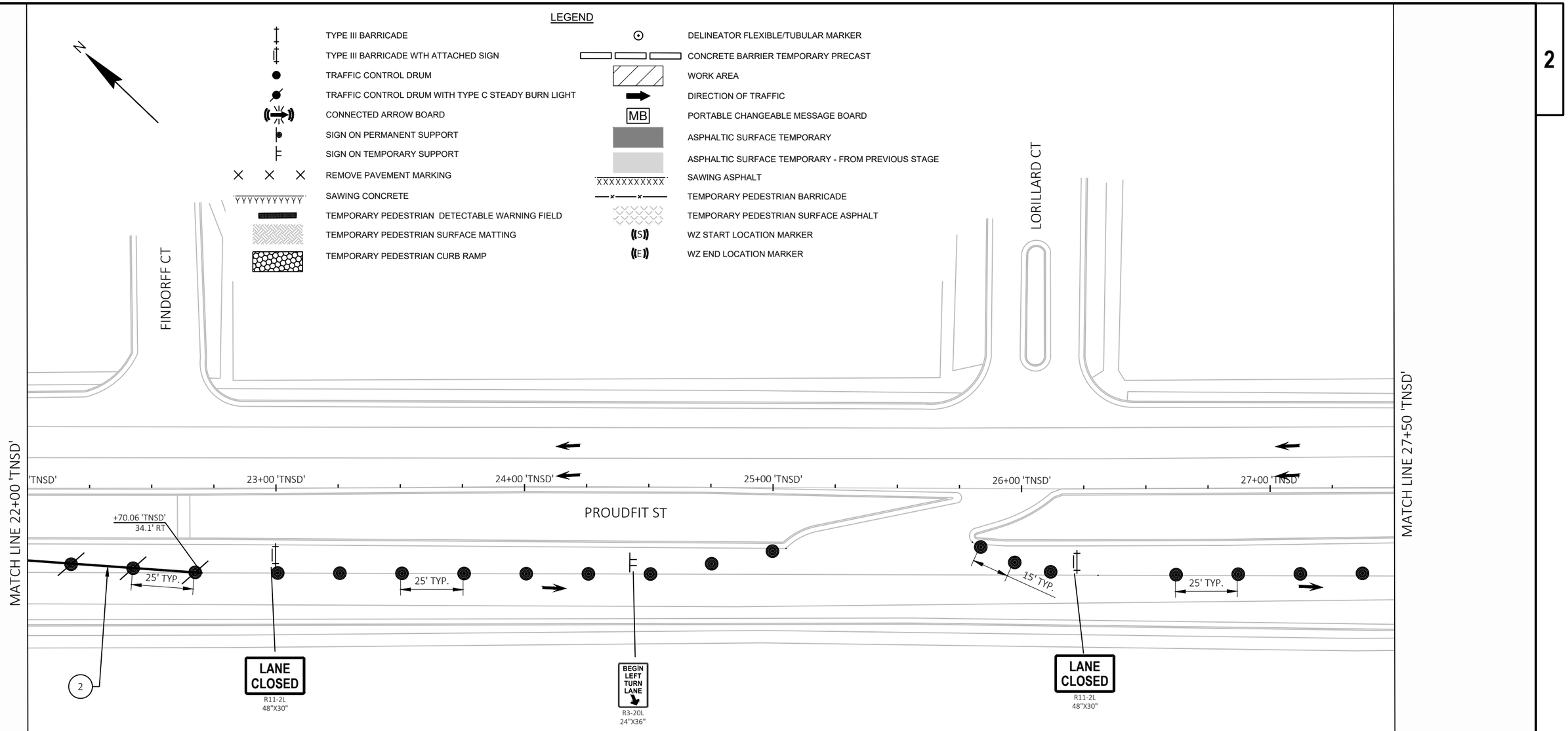
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 452	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 453	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 20
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER	
TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST	
TRAFFIC CONTROL DRUM		WORK AREA	
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC	
CONNECTED ARROW BOARD		PORTABLE CHANGEABLE MESSAGE BOARD	MB
SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY	
SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE	
REMOVE PAVEMENT MARKING		SAWING ASPHALT	XXXXXXXXXXX
SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE	
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT	
TEMPORARY PEDESTRIAN SURFACE MATTING		WZ START LOCATION MARKER	(S)
TEMPORARY PEDESTRIAN CURB RAMP		WZ END LOCATION MARKER	(E)

N

MATCH LINE 27+50 'TNSD'

MATCH LINE 33+00 'TNSD'

28+00 'TNSD'

29+00 'TNSD'

30+00 'TNSD'

31+00 'TNSD'

32+00 'TNSD'

33+00

25' TYP.

15' TYP.

50' TYP.

PROUDFIT ST

W BRITTINGHAM PL

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 454	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

N

MATCH LINE 33+00 'TNSD'

34+00 'TNSD'

35+00 'TNSD'

36+00 'TNSD'

37+00 'TNSD'

38+00

MATCH LINE 38+00 'TNSD'

NORTH SHORE DRIVE

50' TYP.

25' TYP.

25' TYP.

BEGIN LEFT TURN LANE

R3-20L
24"X36"

LANE CLOSED

R11-2L
48"X30"

BRITTINGHAM PARK
PARKING LOT

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 455	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 22

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

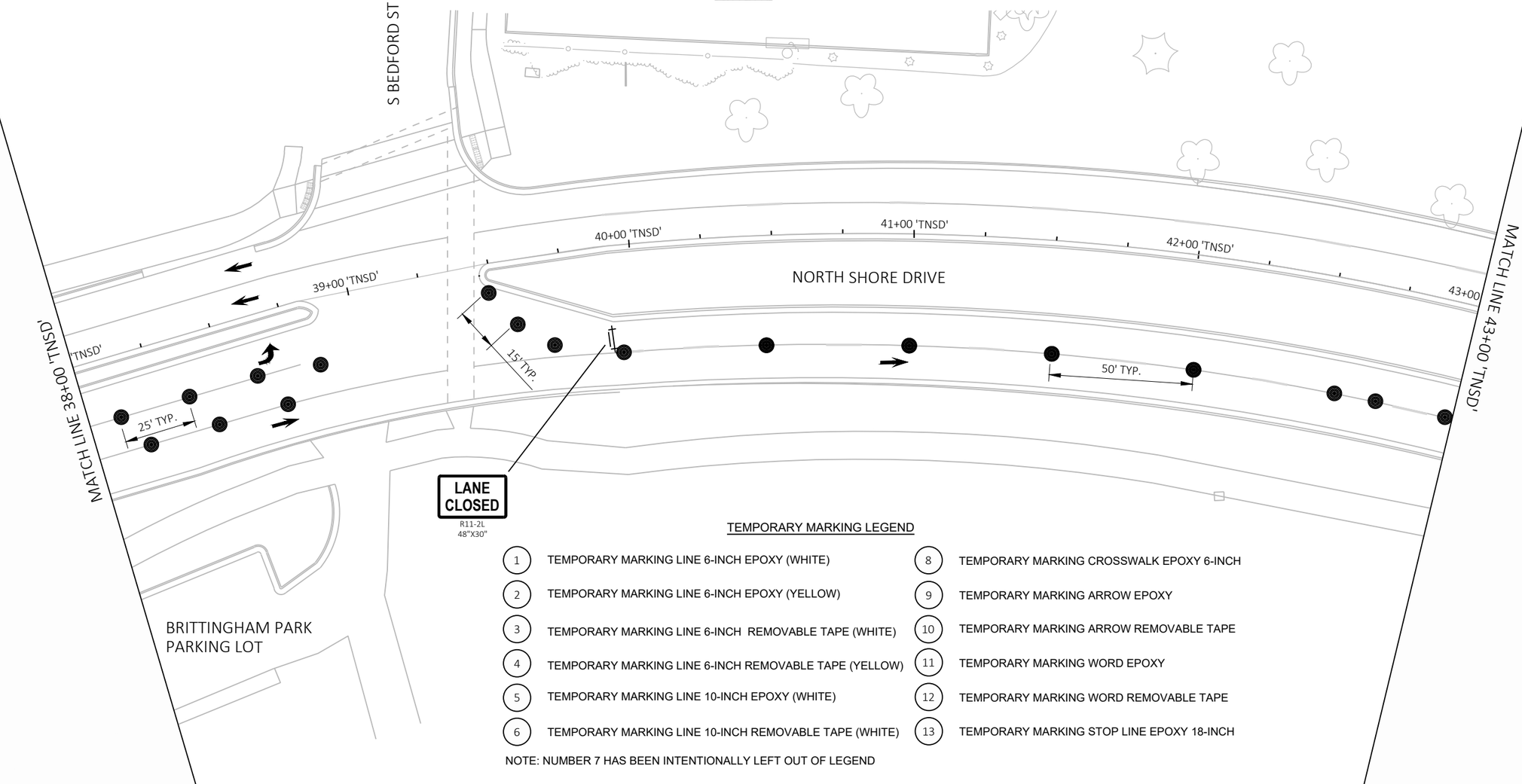
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

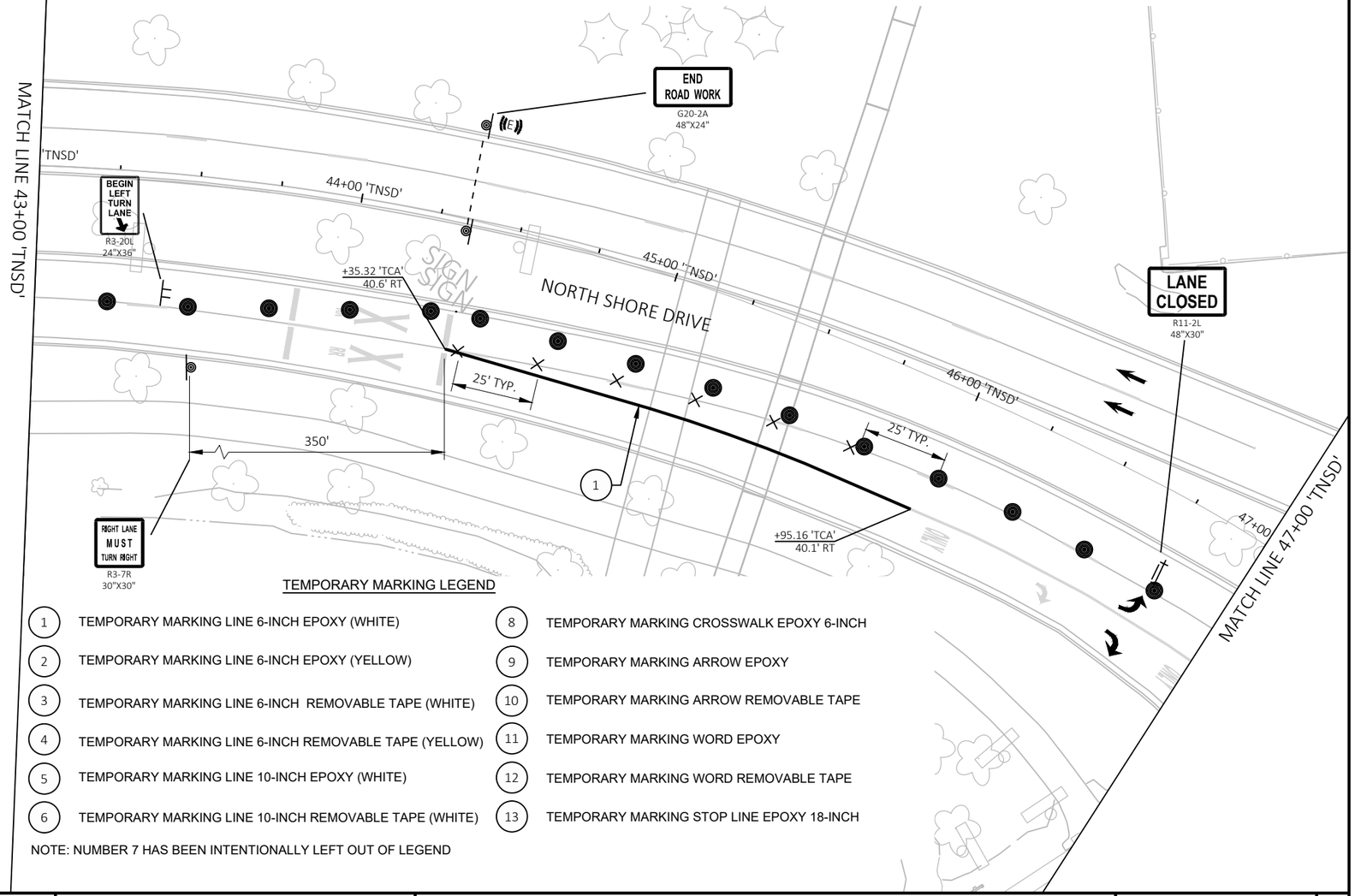
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 456	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 PEAK HOURS.DWG
LAYOUT NAME - 23
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

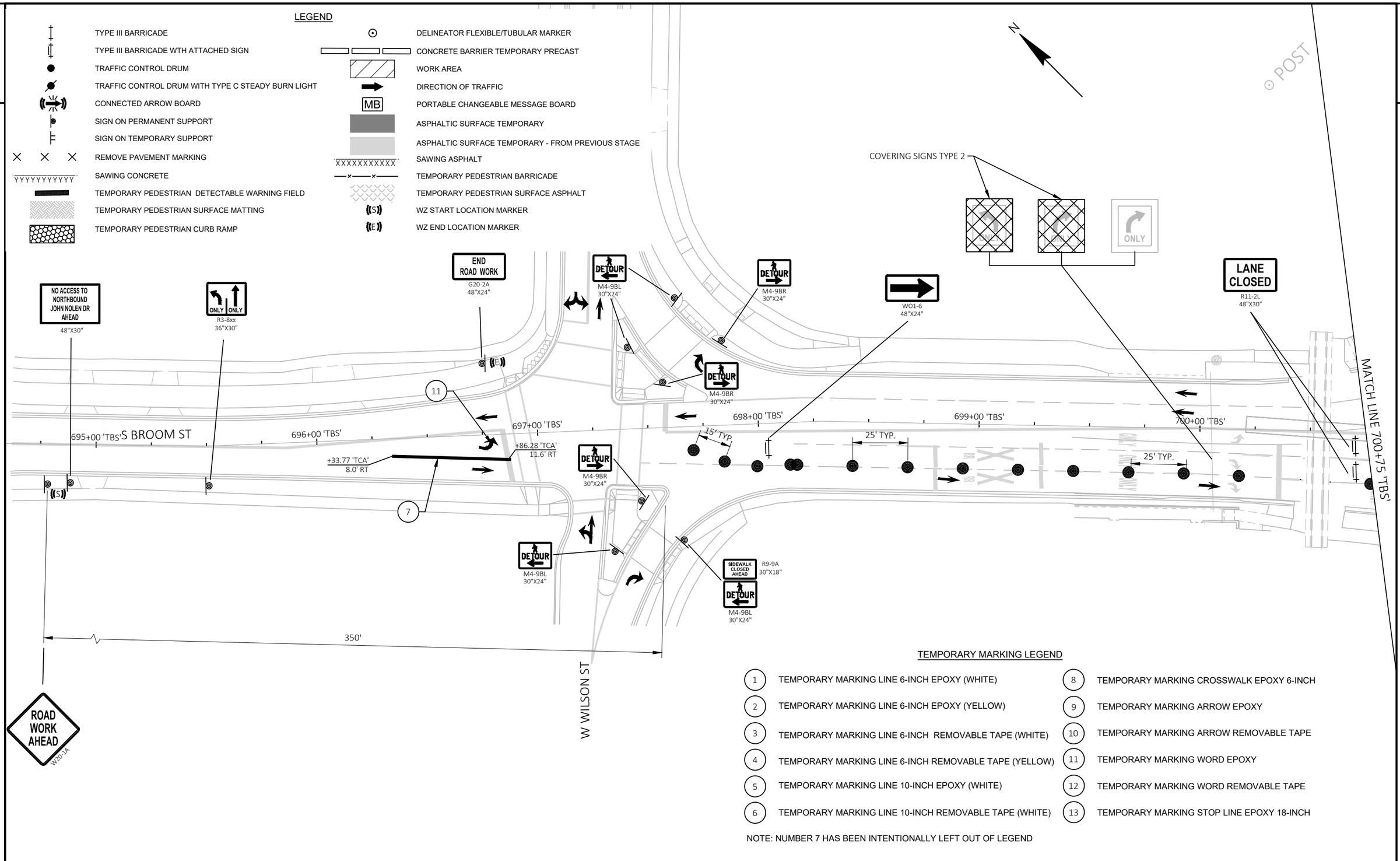
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 457 E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



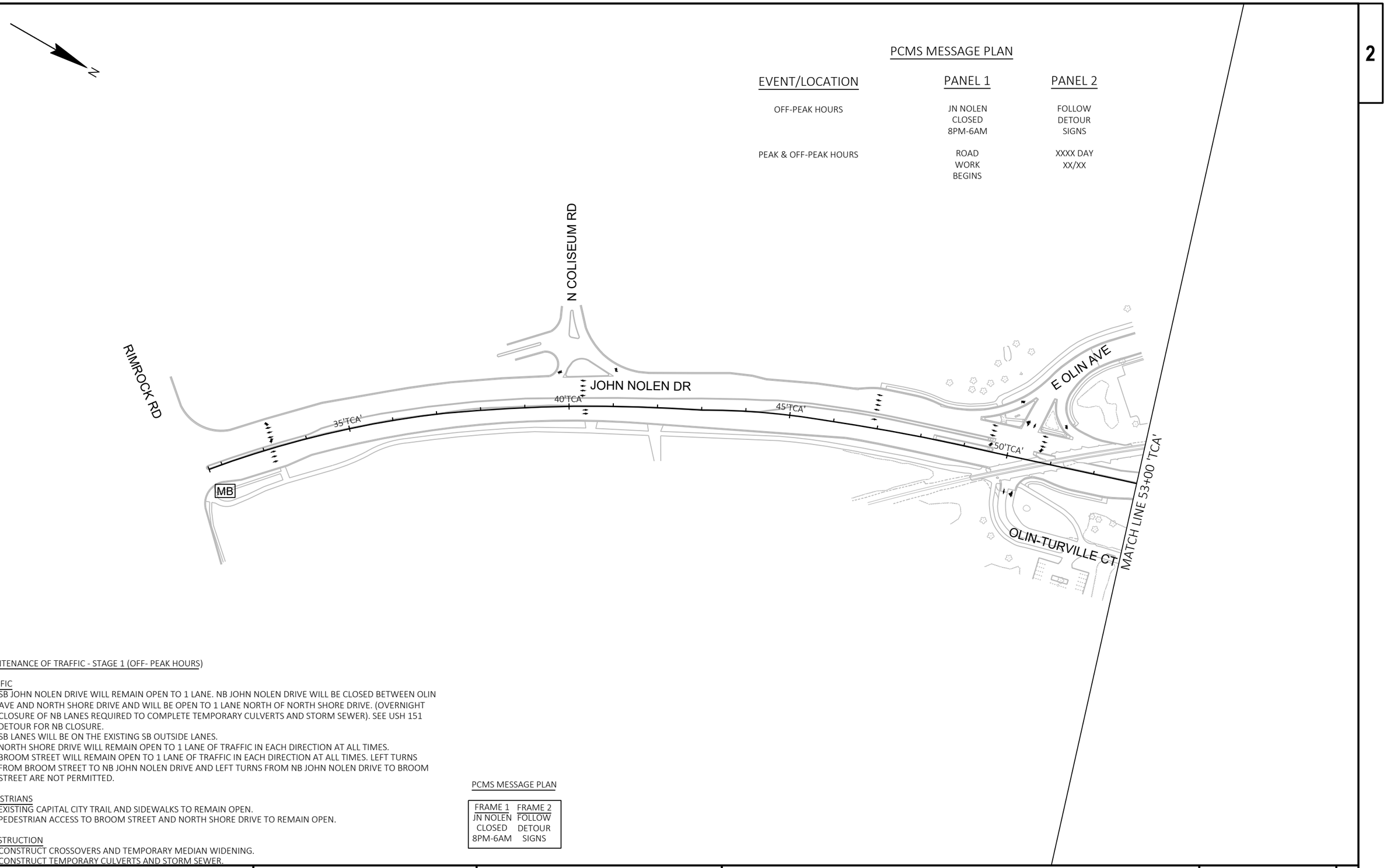
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (PEAK HOURS)	SHEET 458	E

2



MAINTENANCE OF TRAFFIC - STAGE 1 (OFF- PEAK HOURS)

TRAFFIC

- SB JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE. NB JOHN NOLEN DRIVE WILL BE CLOSED BETWEEN OLIN AVE AND NORTH SHORE DRIVE AND WILL BE OPEN TO 1 LANE NORTH OF NORTH SHORE DRIVE. (OVERNIGHT CLOSURE OF NB LANES REQUIRED TO COMPLETE TEMPORARY CULVERTS AND STORM SEWER). SEE USH 151 DETOUR FOR NB CLOSURE.
- SB LANES WILL BE ON THE EXISTING SB OUTSIDE LANES.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE AND LEFT TURNS FROM NB JOHN NOLEN DRIVE TO BROOM STREET ARE NOT PERMITTED.

PEDESTRIANS

- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS TO REMAIN OPEN.
- PEDESTRIAN ACCESS TO BROOM STREET AND NORTH SHORE DRIVE TO REMAIN OPEN.

CONSTRUCTION

- CONSTRUCT CROSSOVERS AND TEMPORARY MEDIAN WIDENING.
- CONSTRUCT TEMPORARY CULVERTS AND STORM SEWER.

PCMS MESSAGE PLAN

FRAME 1	FRAME 2
JN NOLEN CLOSED 8PM-6AM	FOLLOW DETOUR SIGNS

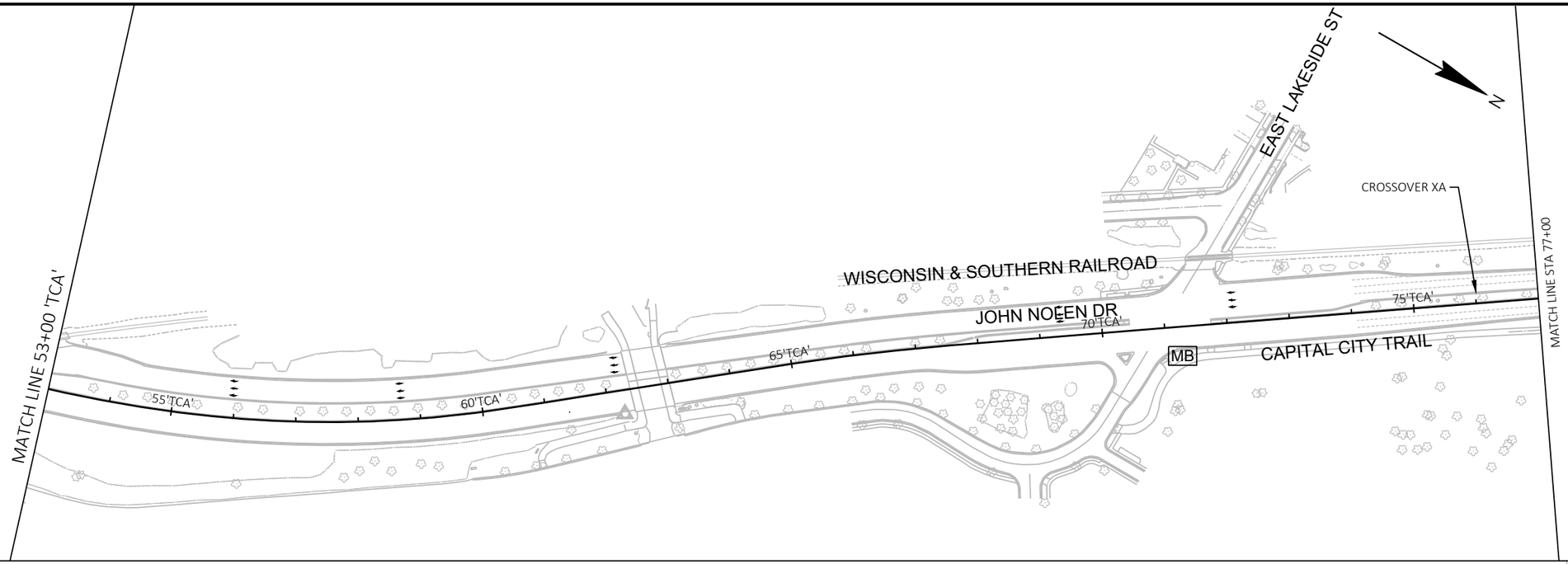
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (OFF-PEAK HOURS)	SHEET 459	E

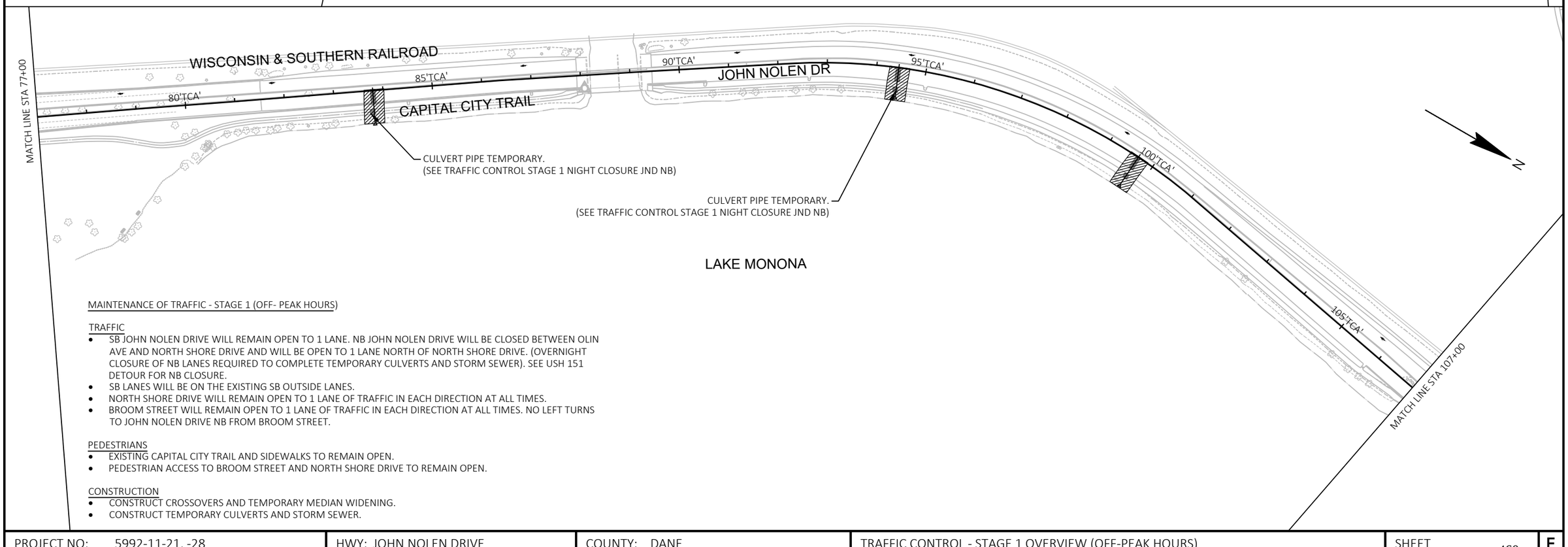
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
PROJECT PREWARN	ROAD WORK BEGINS	XXXXDAY XX/XX





MAINTENANCE OF TRAFFIC - STAGE 1 (OFF- PEAK HOURS)

TRAFFIC
- SB JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE. NB JOHN NOLEN DRIVE WILL BE CLOSED BETWEEN OLIN AVE AND NORTH SHORE DRIVE AND WILL BE OPEN TO 1 LANE NORTH OF NORTH SHORE DRIVE. (OVERNIGHT CLOSURE OF NB LANES REQUIRED TO COMPLETE TEMPORARY CULVERTS AND STORM SEWER). SEE USH 151 DETOUR FOR NB CLOSURE.
- SB LANES WILL BE ON THE EXISTING SB OUTSIDE LANES.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. NO LEFT TURNS TO JOHN NOLEN DRIVE NB FROM BROOM STREET.

PEDESTRIANS
- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS TO REMAIN OPEN.
- PEDESTRIAN ACCESS TO BROOM STREET AND NORTH SHORE DRIVE TO REMAIN OPEN.

CONSTRUCTION
- CONSTRUCT CROSSOVERS AND TEMPORARY MEDIAN WIDENING.
- CONSTRUCT TEMPORARY CULVERTS AND STORM SEWER.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (OFF-PEAK HOURS)	SHEET 460	E

2

N

NORTH SHORE DRIVE

BROOM STREET

WISCONSIN & SOUTHERN RAILROAD

MATCH LINE STA 107+00

110'TCA'

115'TCA'

CAPITAL CITY TRAIL

120'TCA'

JOHN NOLEN DR

125'TCA'

MB

130'TCA'

135'TCA'

CULVERT PIPE TEMPORARY.
(SEE TRAFFIC CONTROL STAGE 1 NIGHT CLOSURE JND NB)

CLOSE LEFT TURN TO BROOM STREET
DURING NIGHT CLOSURE

STORM SEWER CROSSING
(SEE TRAFFIC CONTROL STAGE 1 NIGHT CLOSURE JND NB)

STORM SEWER CROSSING
(SEE TRAFFIC CONTROL STAGE 1 NIGHT CLOSURE JND NB)

LAKE MONONA

MAINTENANCE OF TRAFFIC - STAGE 1 (OFF- PEAK HOURS)

TRAFFIC

- SB JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE. NB JOHN NOLEN DRIVE WILL BE CLOSED BETWEEN OLIN AVE AND NORTH SHORE DRIVE AND WILL BE OPEN TO 1 LANE NORTH OF NORTH SHORE DRIVE. (OVERNIGHT CLOSURE OF NB LANES REQUIRED TO COMPLETE TEMPORARY CULVERTS AND STORM SEWER). SEE USH 151 DETOUR FOR NB CLOSURE.
- SB LANES WILL BE ON THE EXISTING SB OUTSIDE LANES.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. NO LEFT TURNS TO JOHN NOLEN DRIVE NB FROM BROOM STREET.

PEDESTRIANS

- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS TO REMAIN OPEN.
- PEDESTRIAN ACCESS TO BROOM STREET AND NORTH SHORE DRIVE TO REMAIN OPEN.

CONSTRUCTION

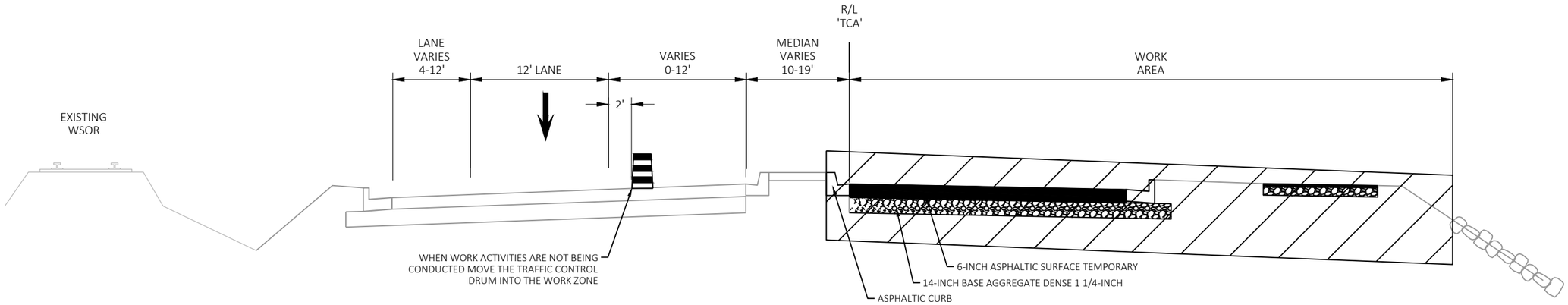
- CONSTRUCT CROSSOVERS AND TEMPORARY MEDIAN WIDENING.
- CONSTRUCT TEMPORARY CULVERTS AND STORM SEWER.

PCMS MESSAGE PLAN

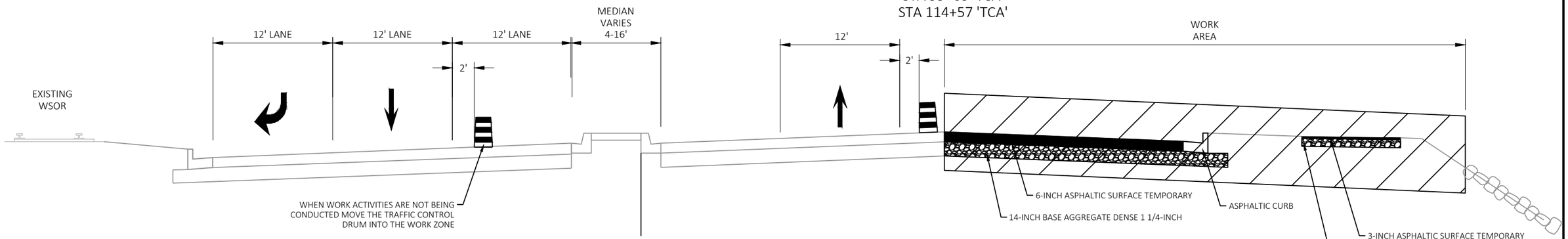
EVENT	PANEL 1	PANEL 2
PROJECT PREWARN	ROAD WORK BEGINS	XXXXDAY XX/XX

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 OVERVIEW (OFF-PEAK HOURS)	SHEET 461	E

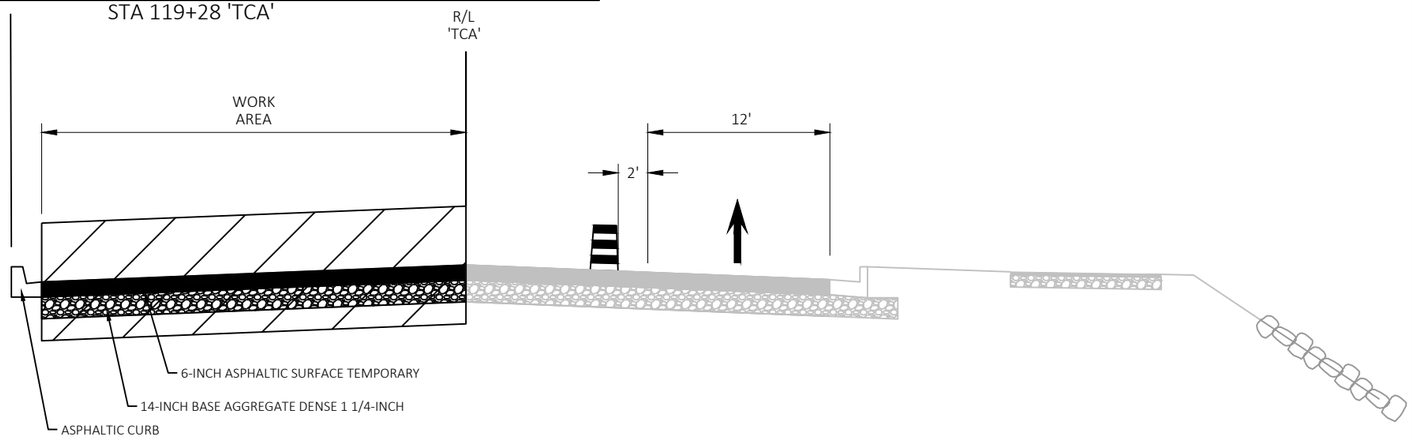
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT(3)
PLOT DATE : 6/20/2025 8:09 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 1 (OFF-PEAK HOURS) - TEMP DRAINAGE
STA 83+79 'TCA'
STA 94+45 'TCA'
STA 99+65 'TCA'
STA 114+57 'TCA'



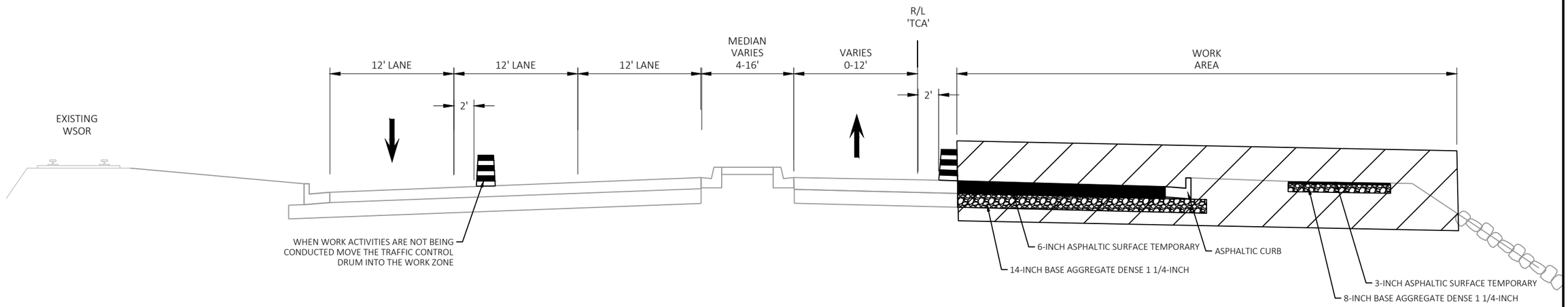
TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 1 (OFF-PEAK HOURS) - TEMP DRAINAGE
STA 119+28 'TCA'



PARTIAL SECTION JOHN NOLEN DRIVE - STAGE 1 (OFF-PEAK HOURS) - TEMP DRAINAGE
STA 119+28 'TCA'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTIONS (OFF-PEAK HOURS)	SHEET 462	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC_TS.DWG
LAYOUT NAME - 03-Stage 1
PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 1 (OFF-PEAK HOURS) - TEMP DRAINAGE
STA 123+78 'TCA'
STA 127+05 'TCA'

2

2

N

ROAD CLOSED AHEAD
W20-3A

RIGHT TWO LANES CLOSED AHEAD
W20-5RA

W04-2R

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

32+00 'TCA'

33+00 'TCA'

34+00 'TCA'

35+00 'TCA'

36+00 'TCA'

37+00 'TCA'

MATCH LINE 37+50 'TCA'

25' TYP.

25' TYP.

350'

350'

350'

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

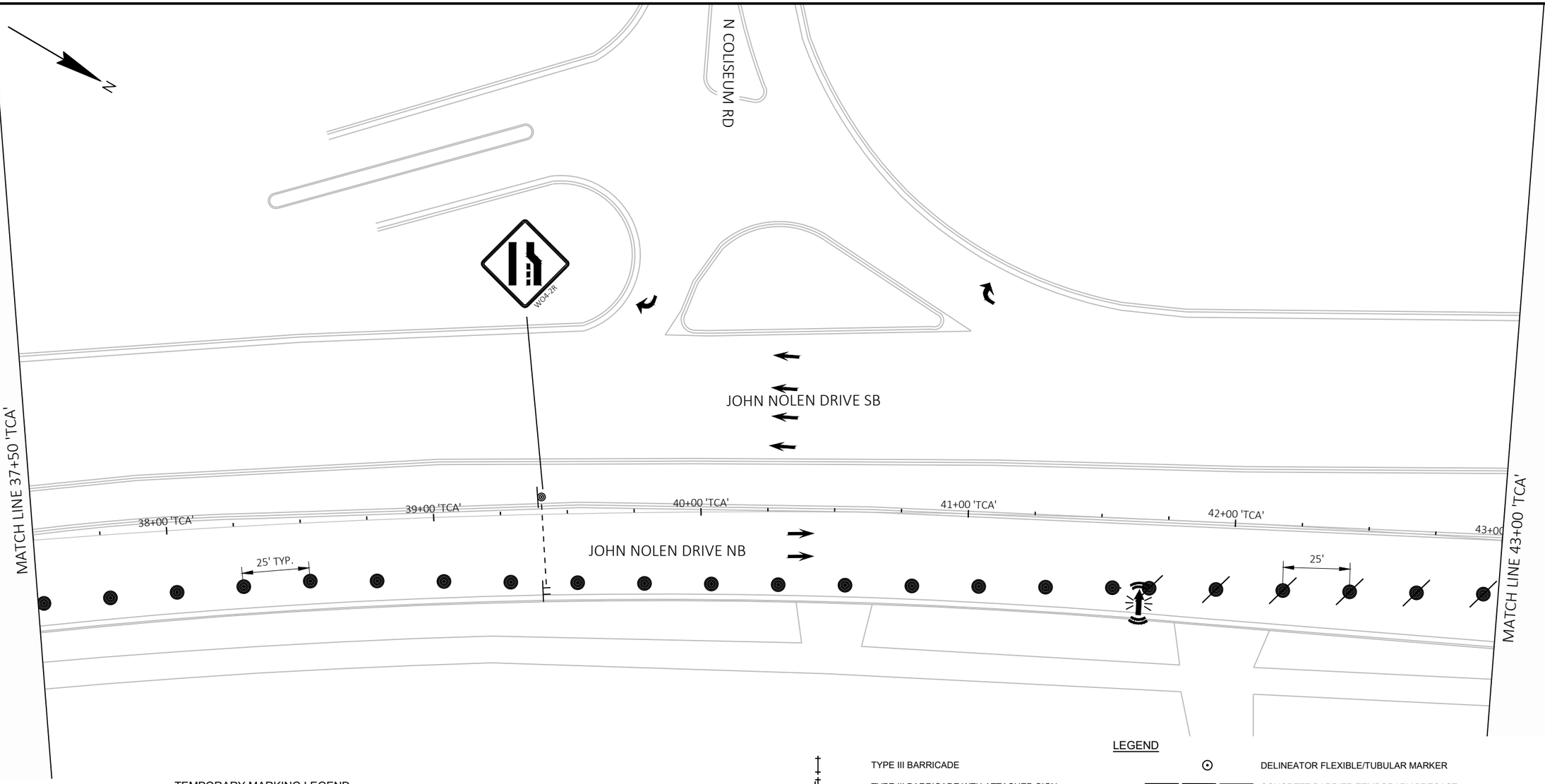
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 464 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 01

PLOT DATE : 6/20/2025 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 465	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

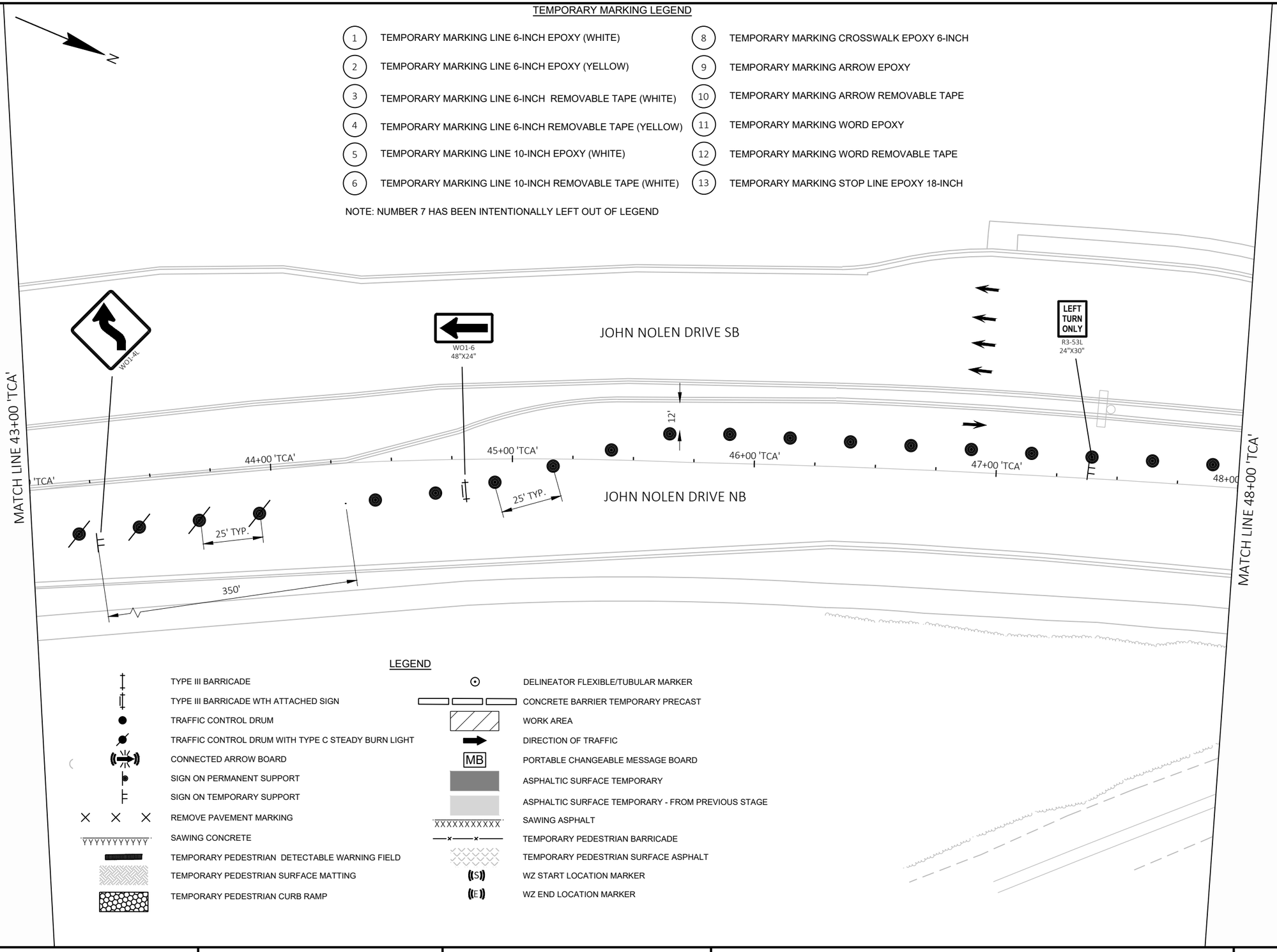
2

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 466	E

2

N

E OLIN AVE

R3-2
24"X24"

JOHN NOLEN DRIVE SB

DETOUR
M4-9L
30"X24"

MATCH LINE 48+00 'TCA'

'TCA'

49+00 'TCA'

50+00 'TCA'

51+00 'TCA'

52+00 'TCA'

53+00 'TCA'

MATCH LINE 53+50 'TCA'

JOHN NOLEN DRIVE NB

ROAD
CLOSED
R11-2
48"X30"

POST

OLIN-TURVILLE CT

SIGN

R3-1
24"X24"

NOTE: SEE USH 151 DETOUR FOR JOHN NOLEN DRIVE NB CLOSURE

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 467	E

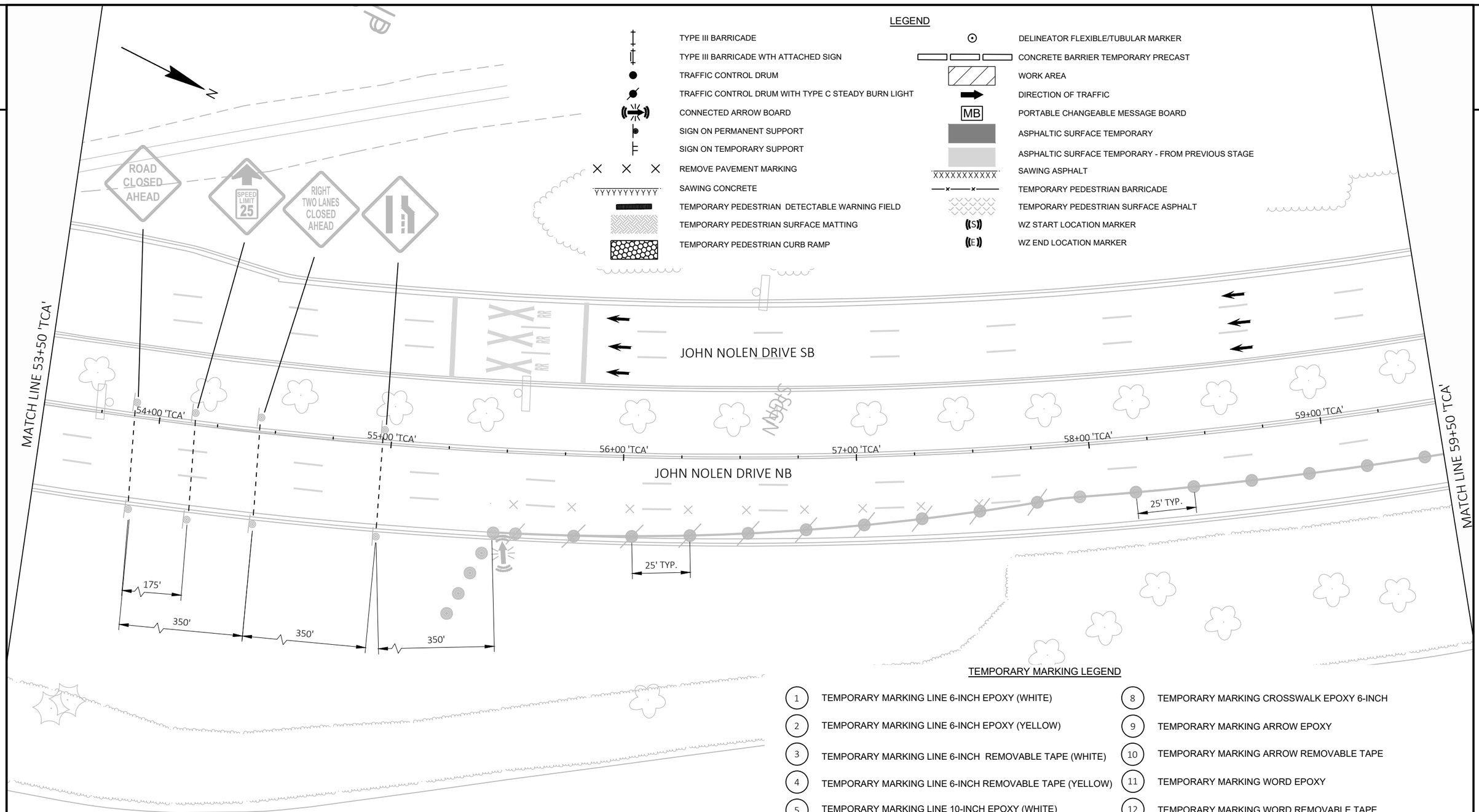
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 04

PLOT DATE : 6/20/2025 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

NOTE: NO TRAFFIC ON NB JOHN NOLEN DRIVE BETWEEN OLIN AVE AND NORTH SHORE DRIVE DURING OFF-PEAK HOURS. TRAFFIC CONTROL NOT USED IN THIS STAGE, BUT NOT IMPACTING TRAFFIC MAY REMAIN IN PLACE FOR USE DURING PEAK HOURS.

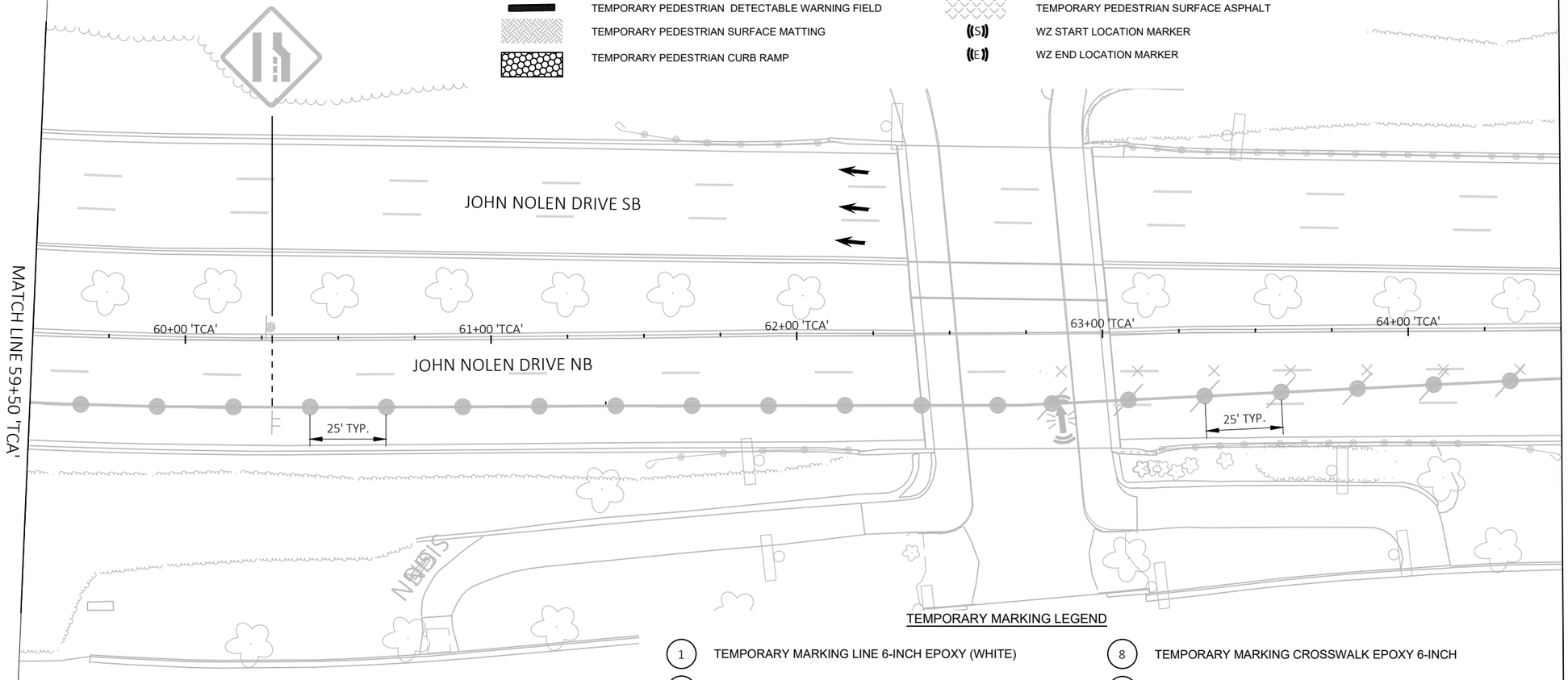
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 468	E

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



NOTE: NO TRAFFIC ON NB JOHN NOLEN DRIVE BETWEEN OLIN AVE AND NORTH SHORE DRIVE DURING OFF-PEAK HOURS. TRAFFIC CONTROL NOT USED IN THIS STAGE, BUT NOT IMPACTING TRAFFIC MAY REMAIN IN PLACE FOR USE DURING PEAK HOURS.

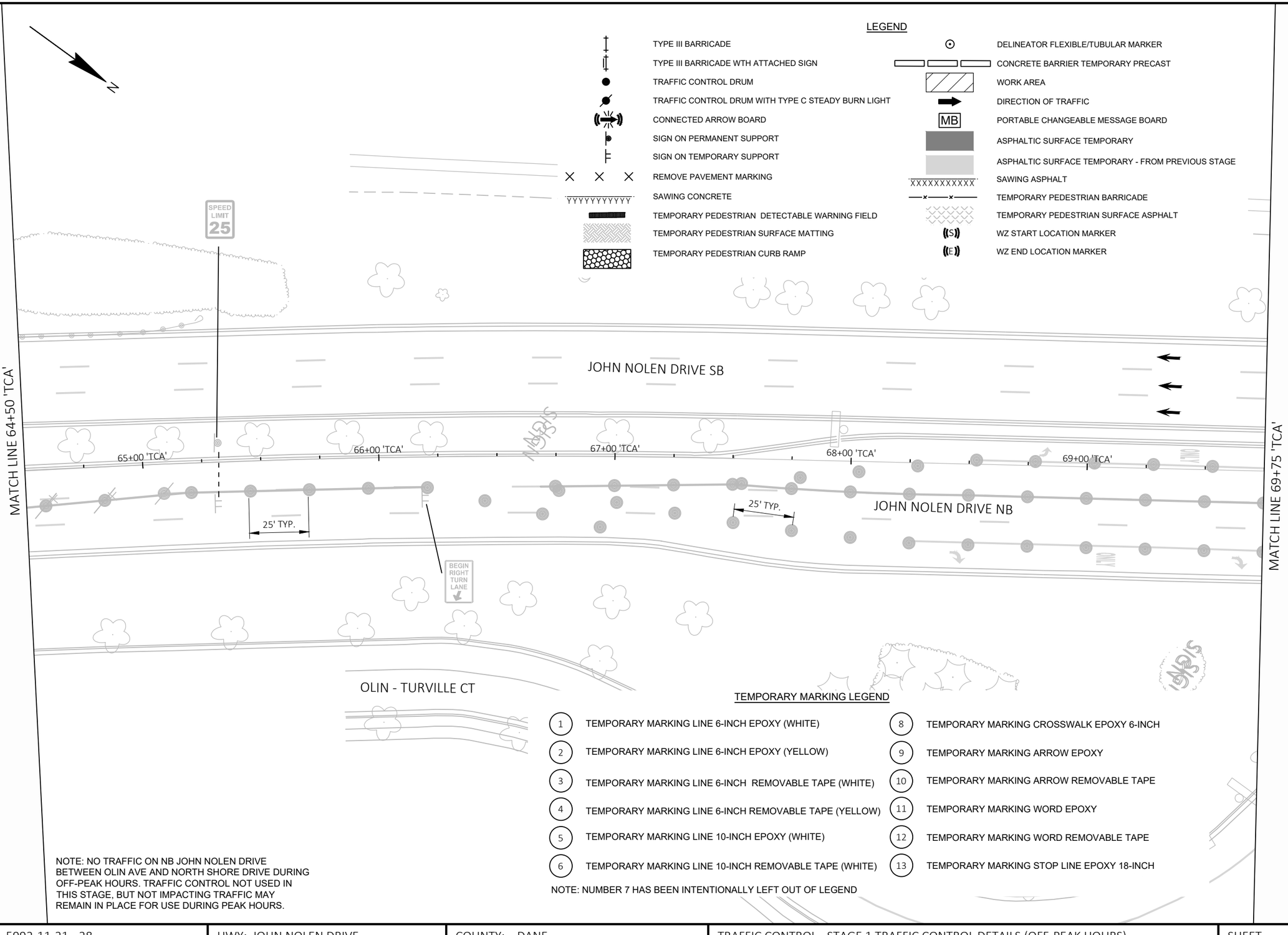
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 469	E

2



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

NOTE: NO TRAFFIC ON NB JOHN NOLEN DRIVE BETWEEN OLIN AVE AND NORTH SHORE DRIVE DURING OFF-PEAK HOURS. TRAFFIC CONTROL NOT USED IN THIS STAGE, BUT NOT IMPACTING TRAFFIC MAY REMAIN IN PLACE FOR USE DURING PEAK HOURS.

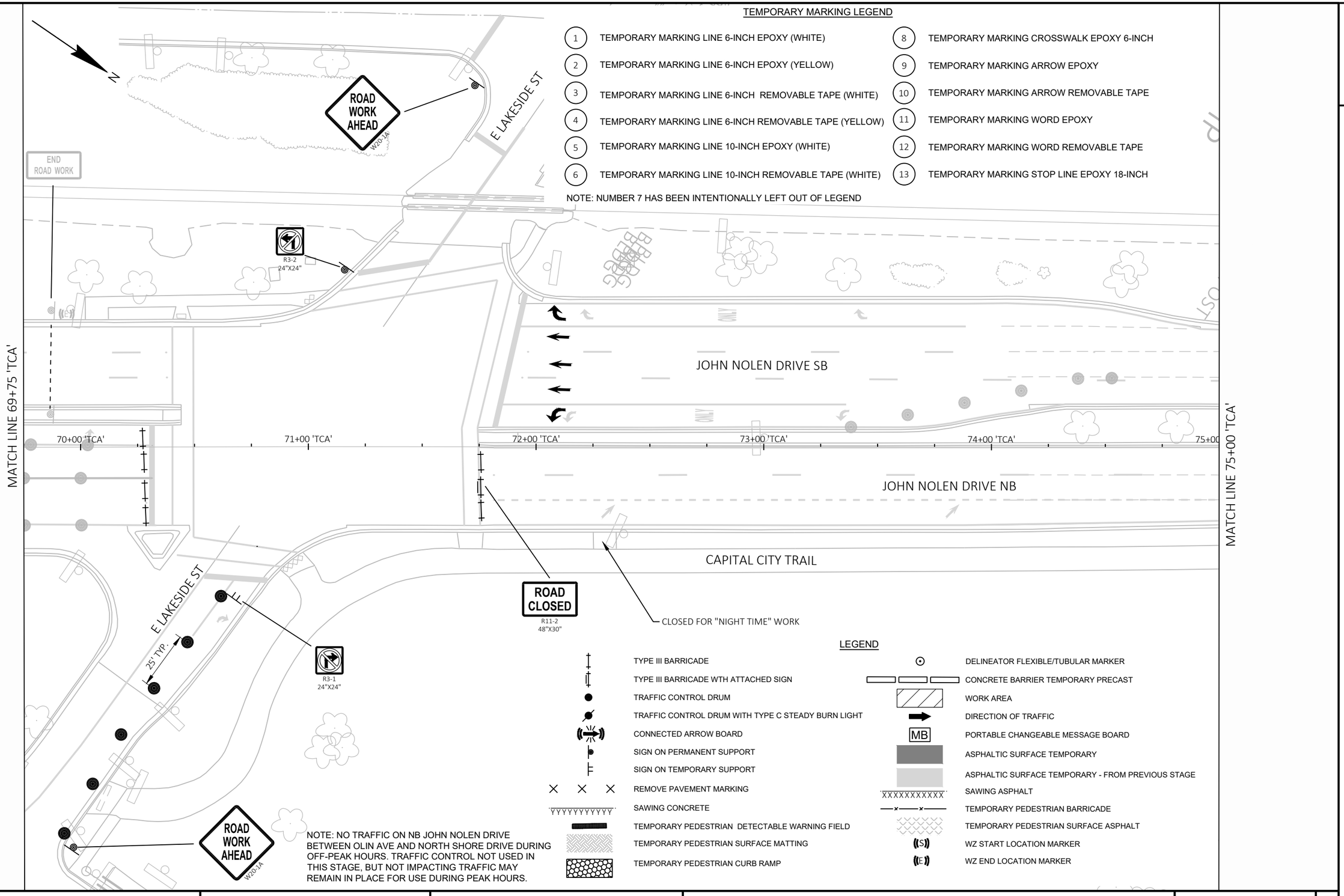
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 470	E

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



NOTE: NO TRAFFIC ON NB JOHN NOLEN DRIVE BETWEEN OLIN AVE AND NORTH SHORE DRIVE DURING OFF-PEAK HOURS. TRAFFIC CONTROL NOT USED IN THIS STAGE, BUT NOT IMPACTING TRAFFIC MAY REMAIN IN PLACE FOR USE DURING PEAK HOURS.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 471	E

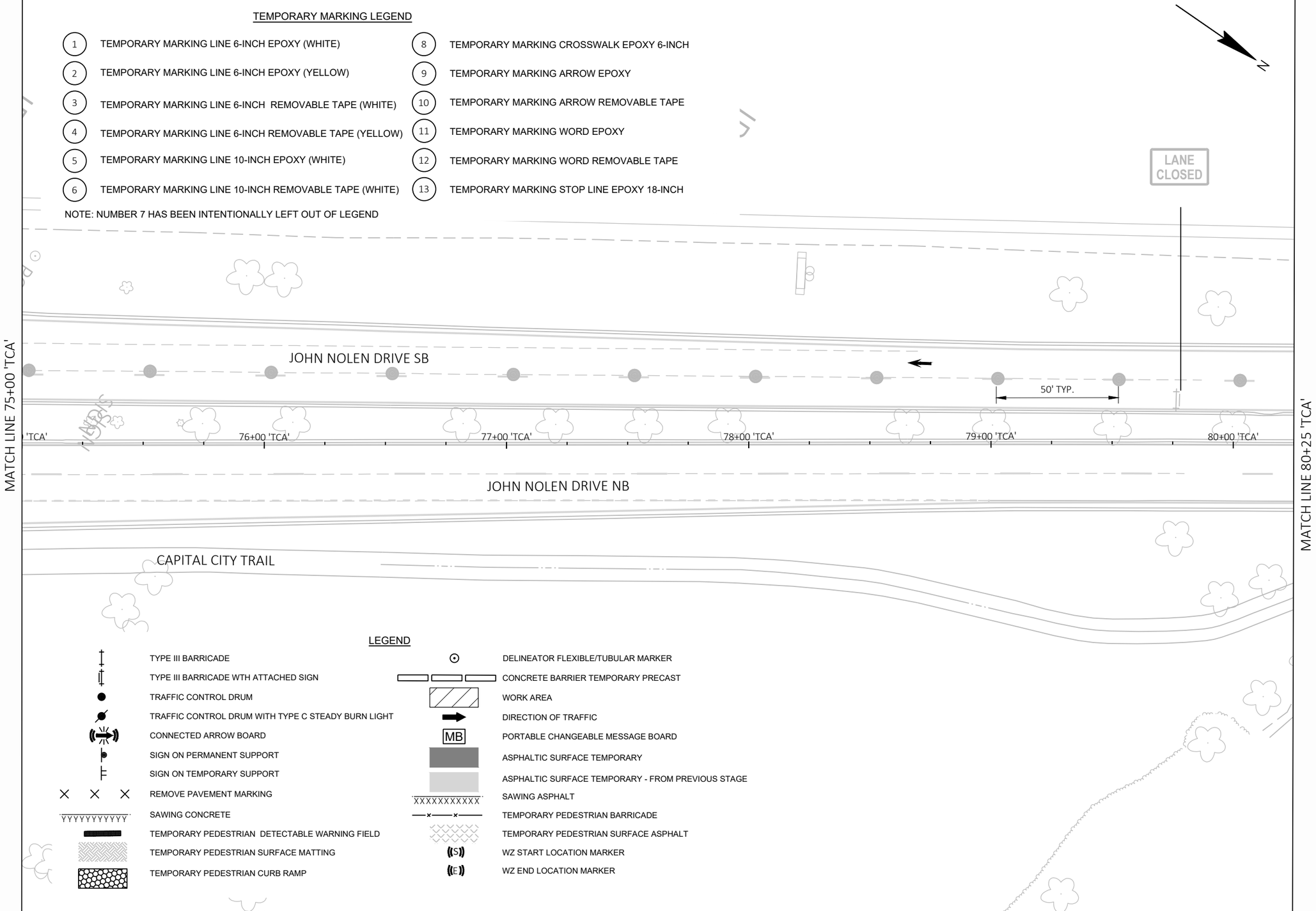
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LAYOUT NAME - 08
PLOT DATE : 6/20/2025 8:10 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

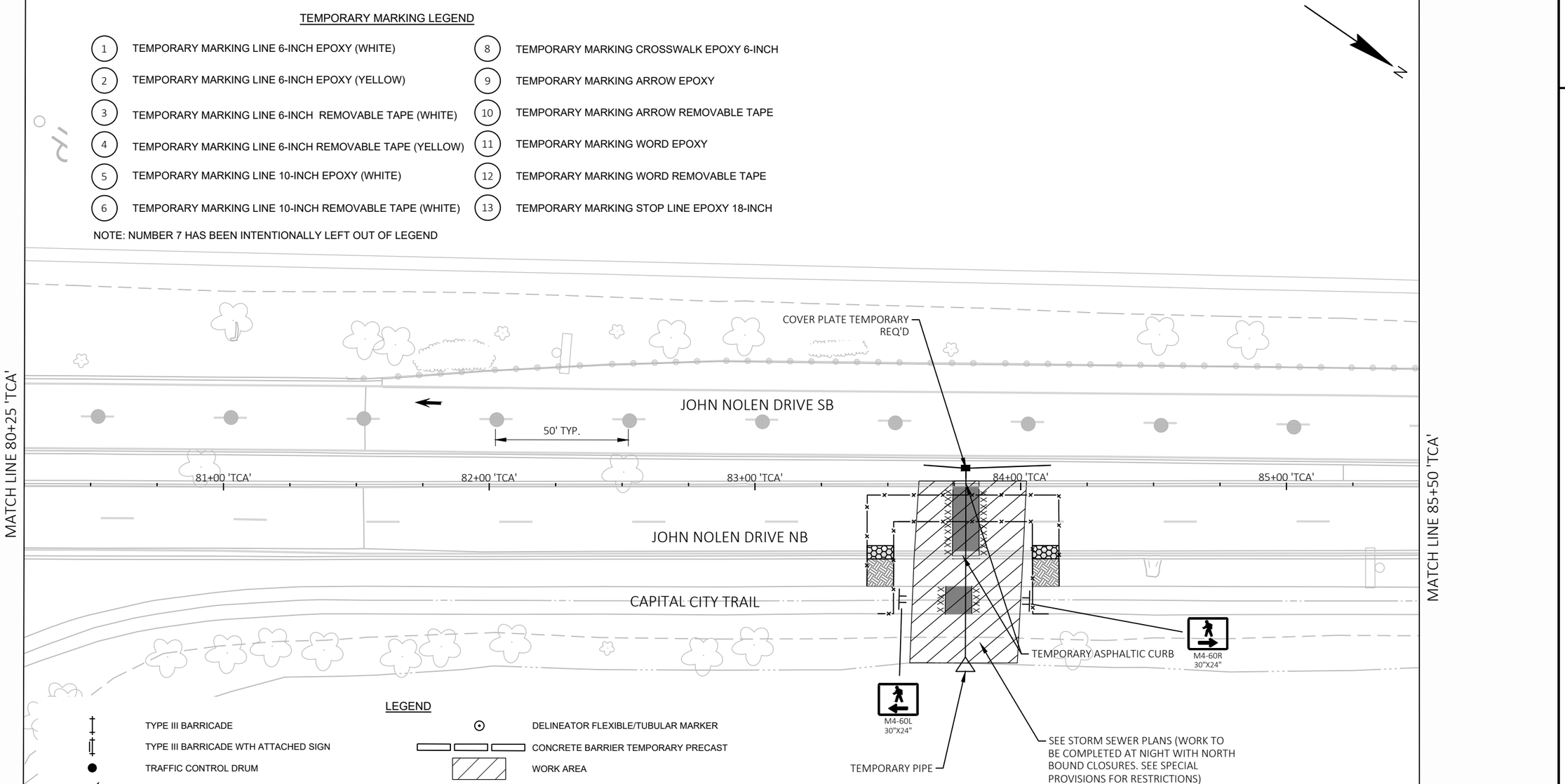
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 472	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 09
PLOT DATE : 6/20/2025 8:10 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEIN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT. PEDESTRIANS TO REMAIN ON EXISTING TRAIL WHEN JOHN NOLEN DRIVE IS OPEN TO TRAFFIC

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 473	E

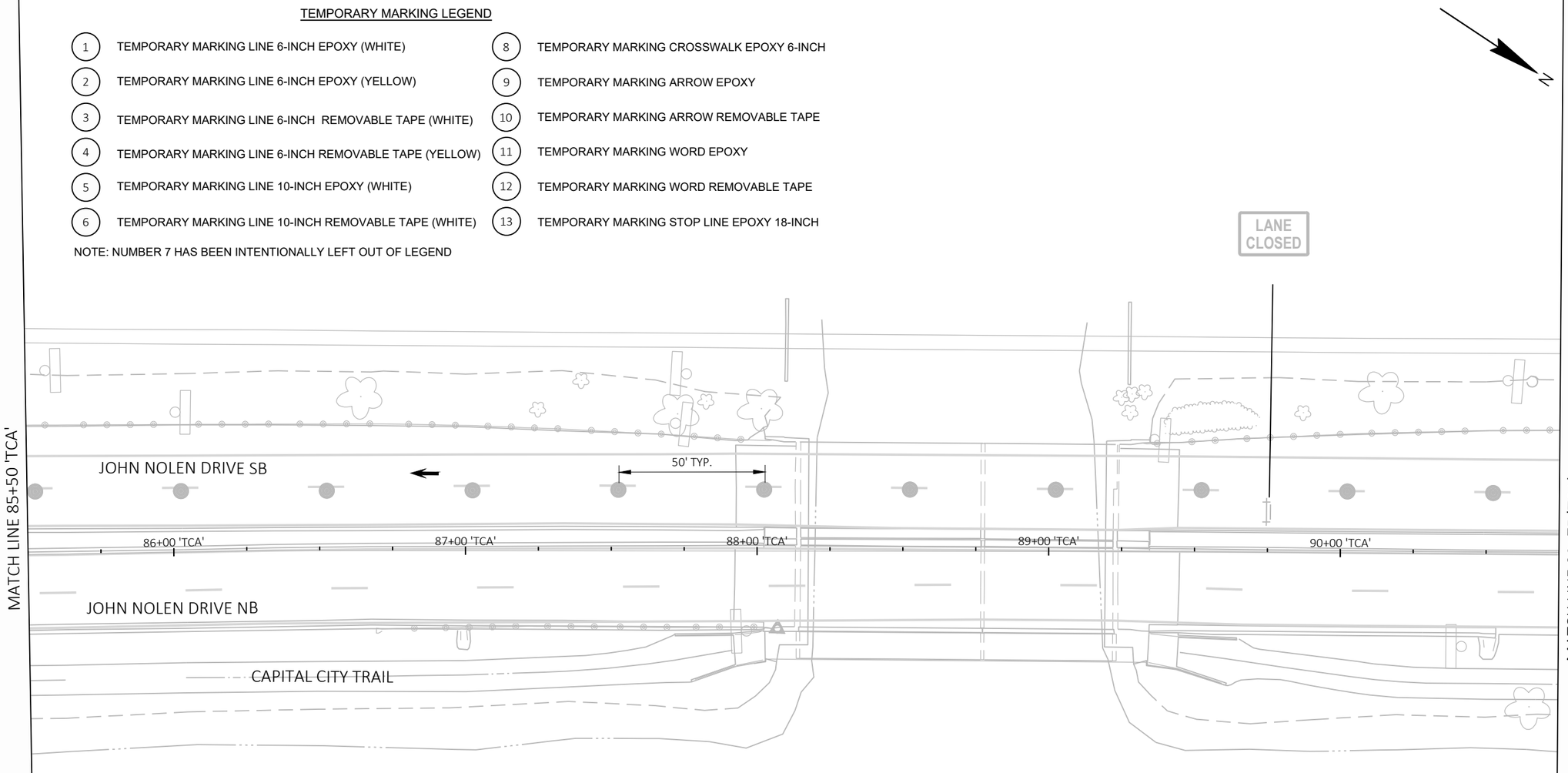
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

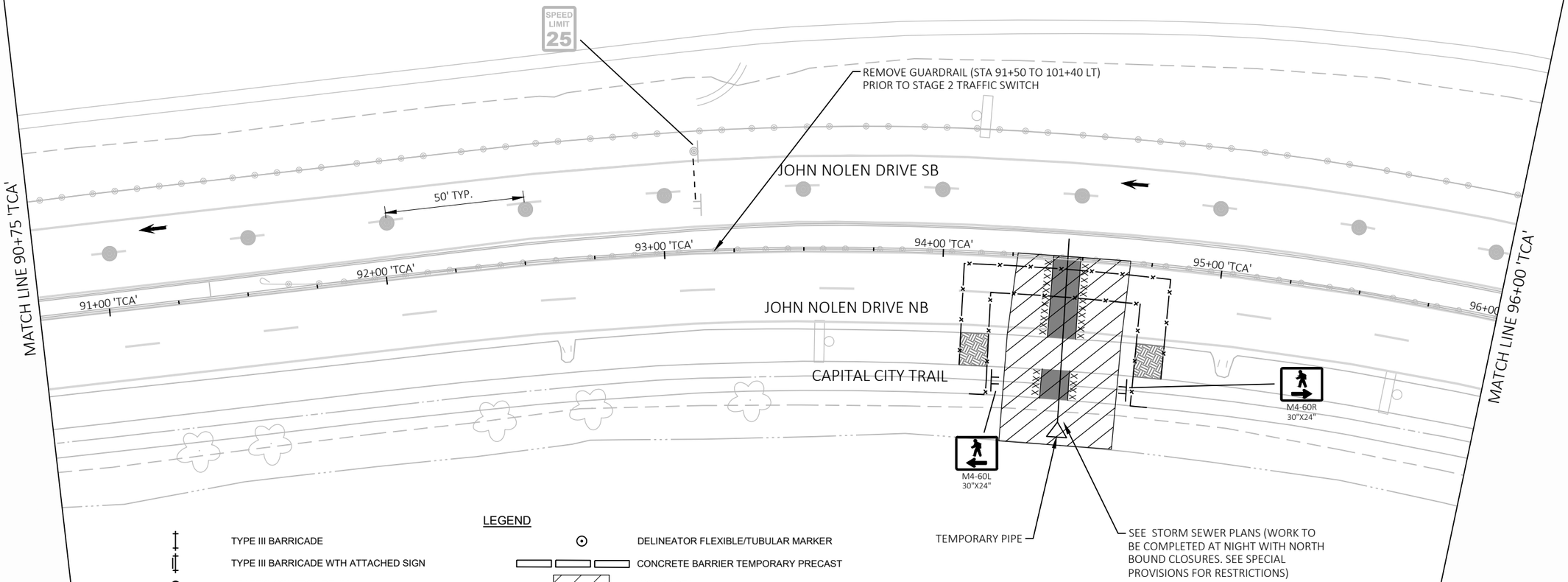
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 474	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 11
PLOT DATE : 6/20/2025 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT. PEDESTRIANS TO REMAIN ON EXISTING TRAIL WHEN JOHN NOLEN DRIVE IS OPEN TO TRAFFIC

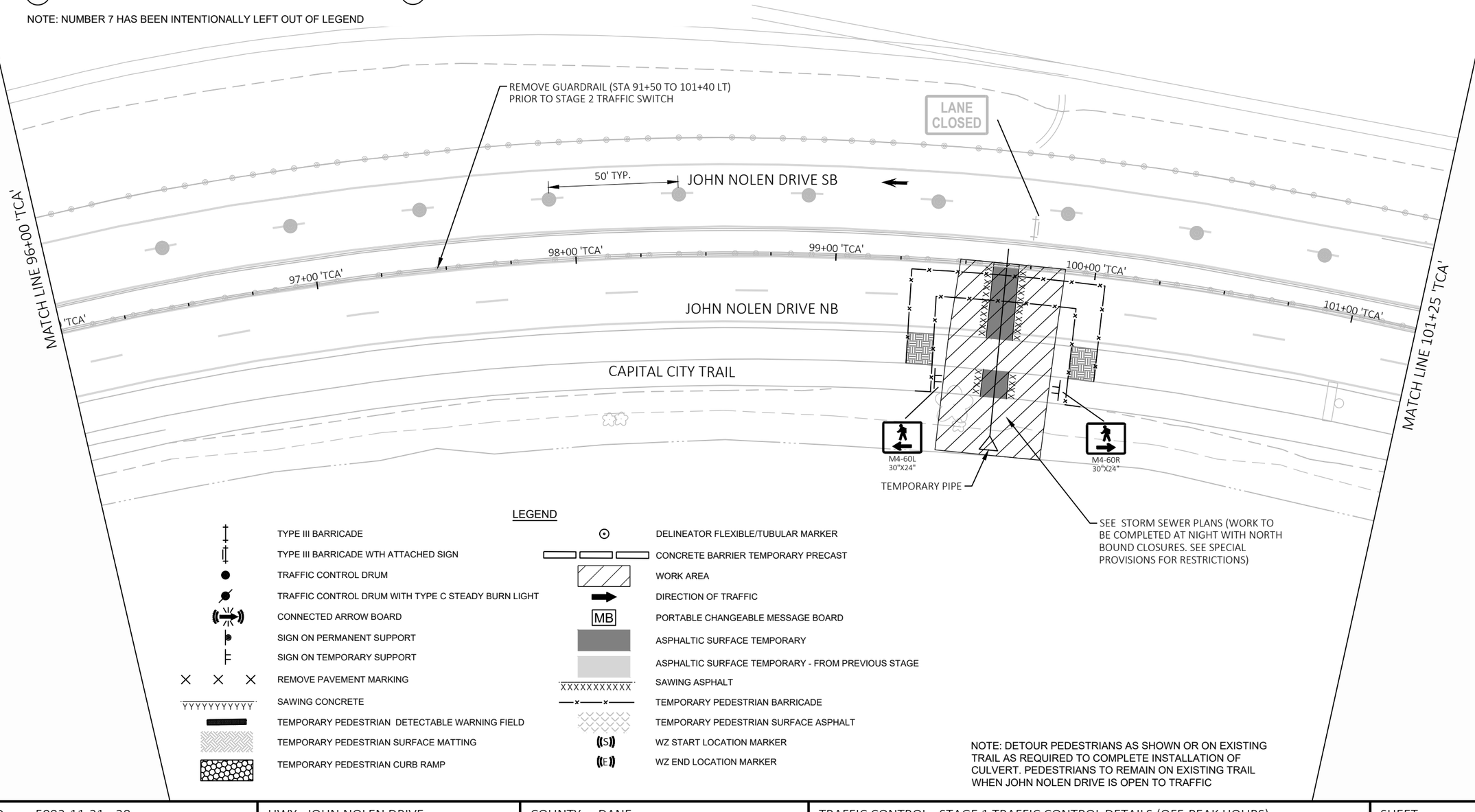
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TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N



LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING		SAWING ASPHALT
	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT. PEDESTRIANS TO REMAIN ON EXISTING TRAIL WHEN JOHN NOLEN DRIVE IS OPEN TO TRAFFIC

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 476	E

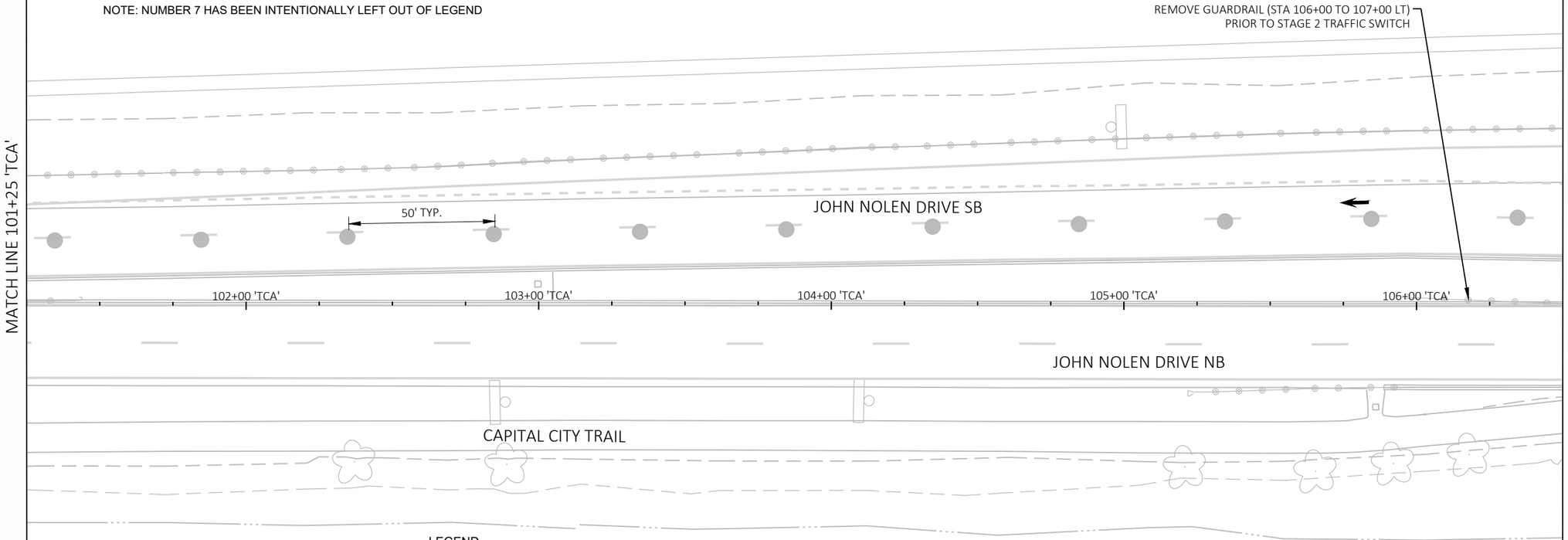
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TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N



LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
X X X	REMOVE PAVEMENT MARKING	XXXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYYY	SAWING CONCRETE	—x—x—	TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	S	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	E	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 477	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 14
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N

REMOVE GUARDRAIL (STA 111+00 TO 111+80 LT)
PRIOR TO STAGE 2 TRAFFIC SWITCH

LANE CLOSED

JOHN NOLEN DRIVE SB

50' TYP.

MATCH LINE 106+50 'TCA'

107+00 'TCA'

108+00 'TCA'

109+00 'TCA'

110+00 'TCA'

111+00 'TCA'

MATCH LINE 111+75 'TCA'

JOHN NOLEN DRIVE NB

CAPITAL CITY TRAIL

M4-60L
30"X24"

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING	XXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 478	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 15

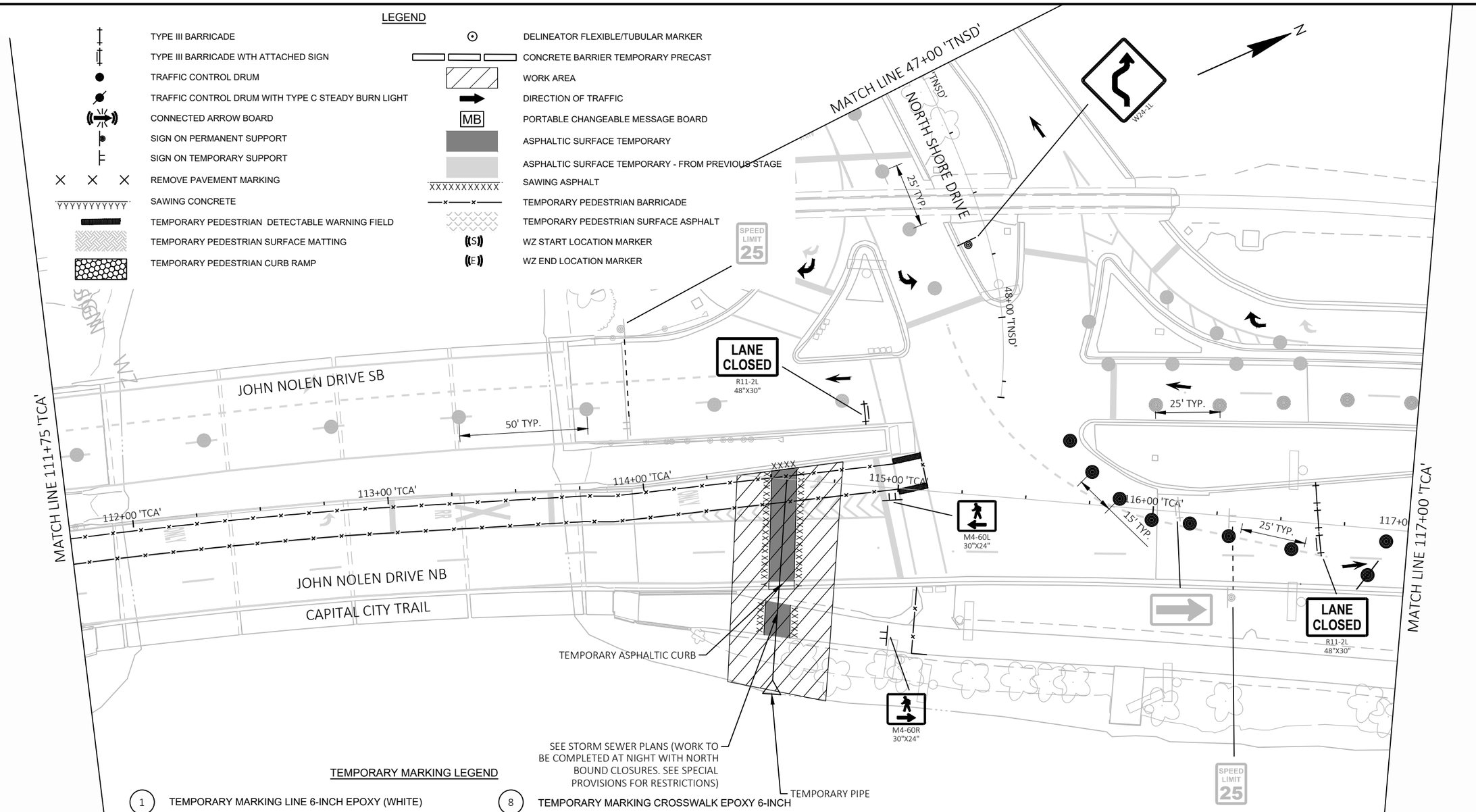
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT. PEDESTRIANS TO REMAIN ON EXISTING TRAIL WHEN JOHN NOLEN DRIVE IS OPEN TO TRAFFIC

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 479	E

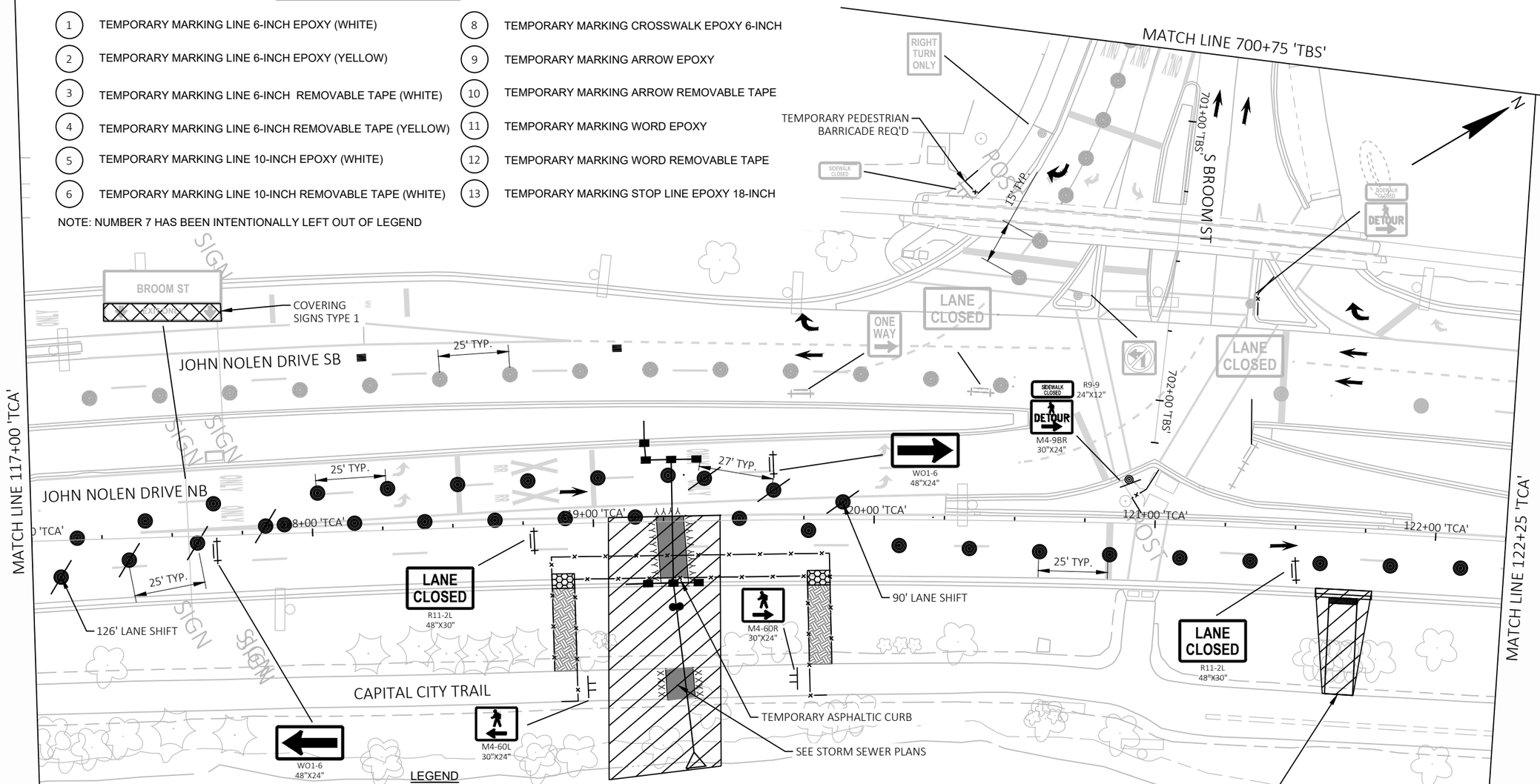
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 16
PLOT DATE : 6/20/2025 8:11 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT. PEDESTRIANS TO REMAIN ON EXISTING TRAIL WHEN JOHN NOLEN DRIVE IS OPEN TO TRAFFIC

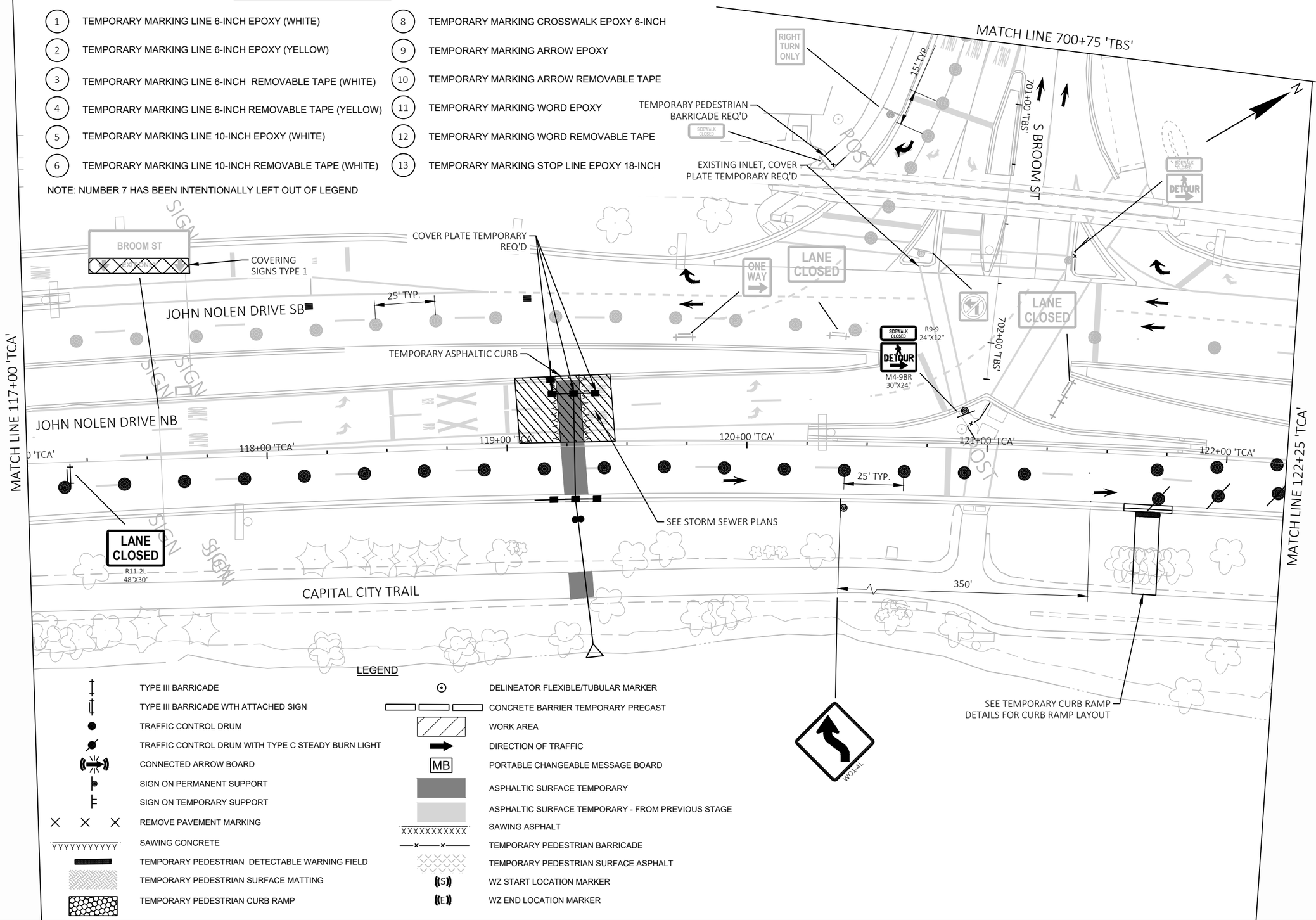
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS) DETAIL 1	SHEET 480	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 17
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS) DETAIL 2	SHEET 481 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 17 (2)
PLOT DATE : 6/20/2025 8:11 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

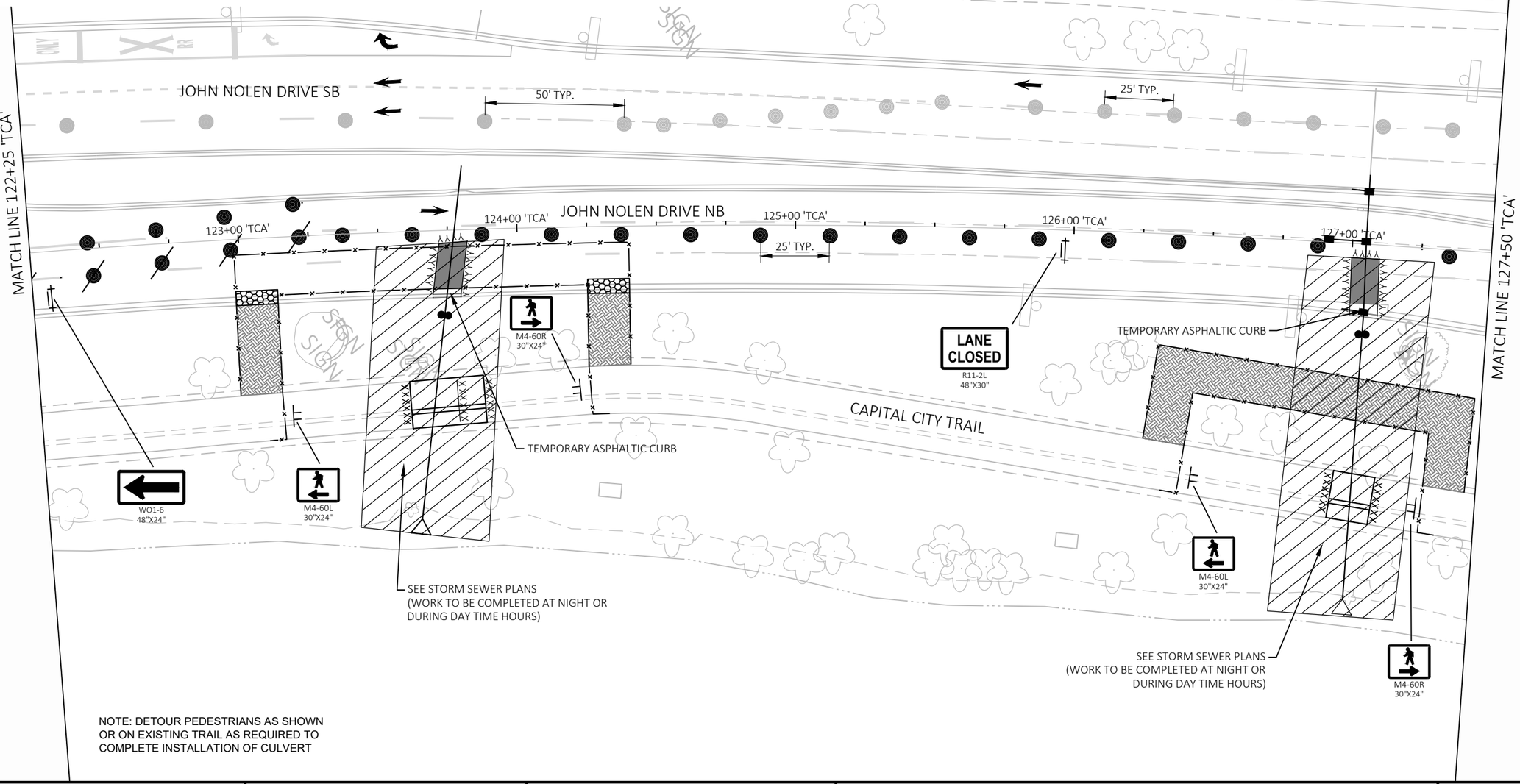
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



NOTE: DETOUR PEDESTRIANS AS SHOWN OR ON EXISTING TRAIL AS REQUIRED TO COMPLETE INSTALLATION OF CULVERT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 482	E

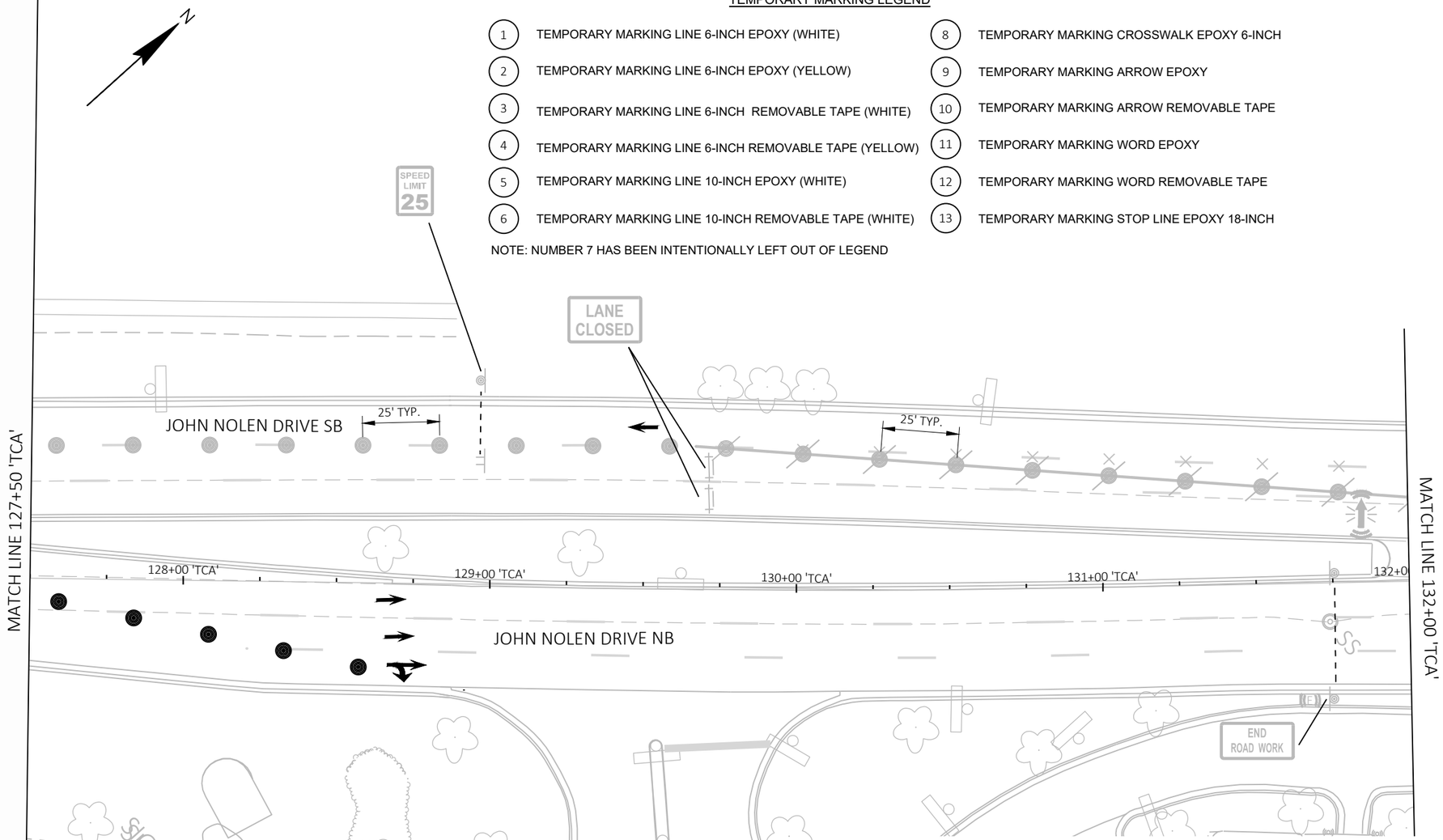
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LAYOUT NAME - 18
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING		SAWING ASPHALT
	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 483 E

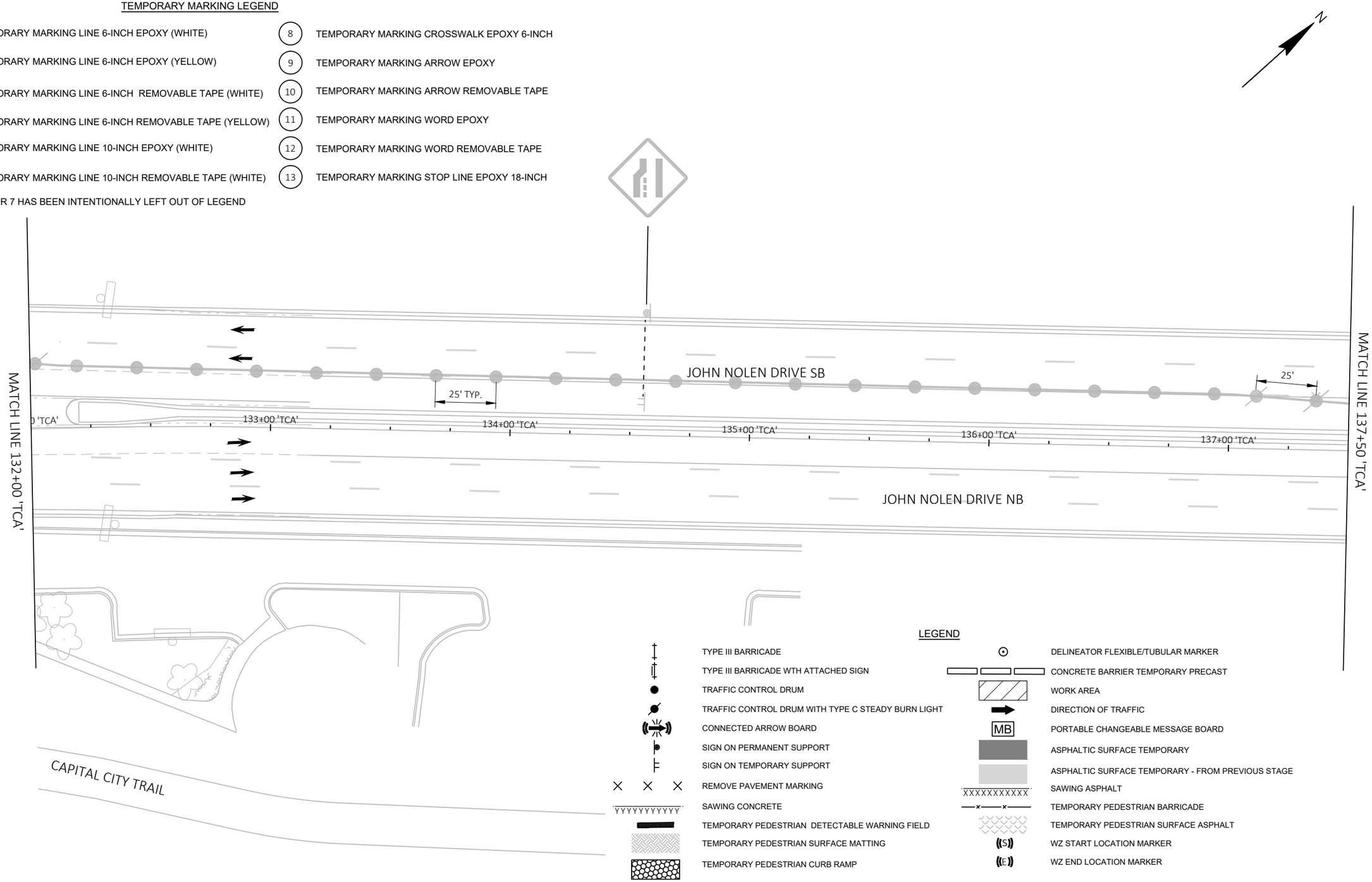
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LAYOUT NAME - 19
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 484	E

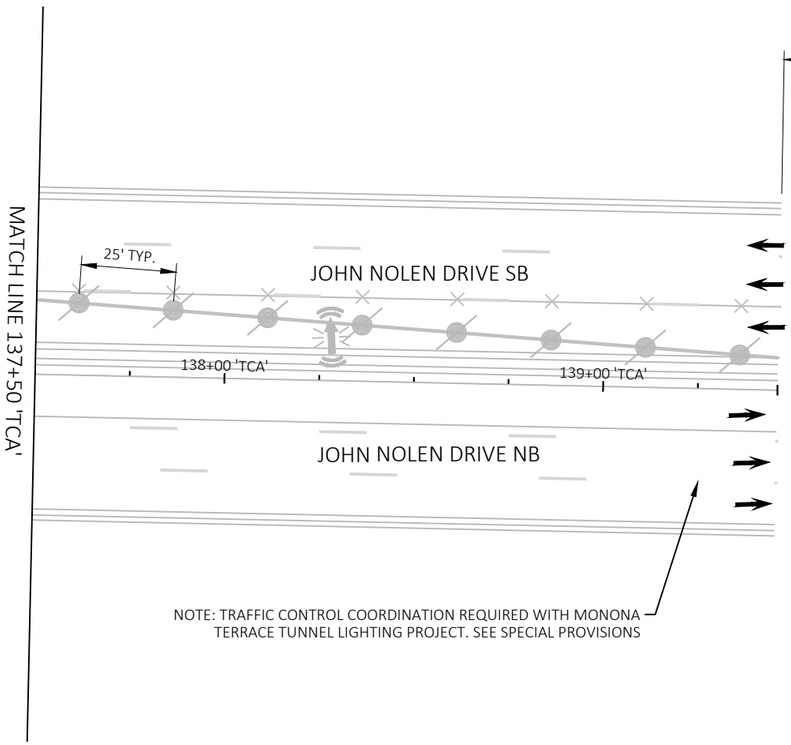
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LAYOUT NAME - 20
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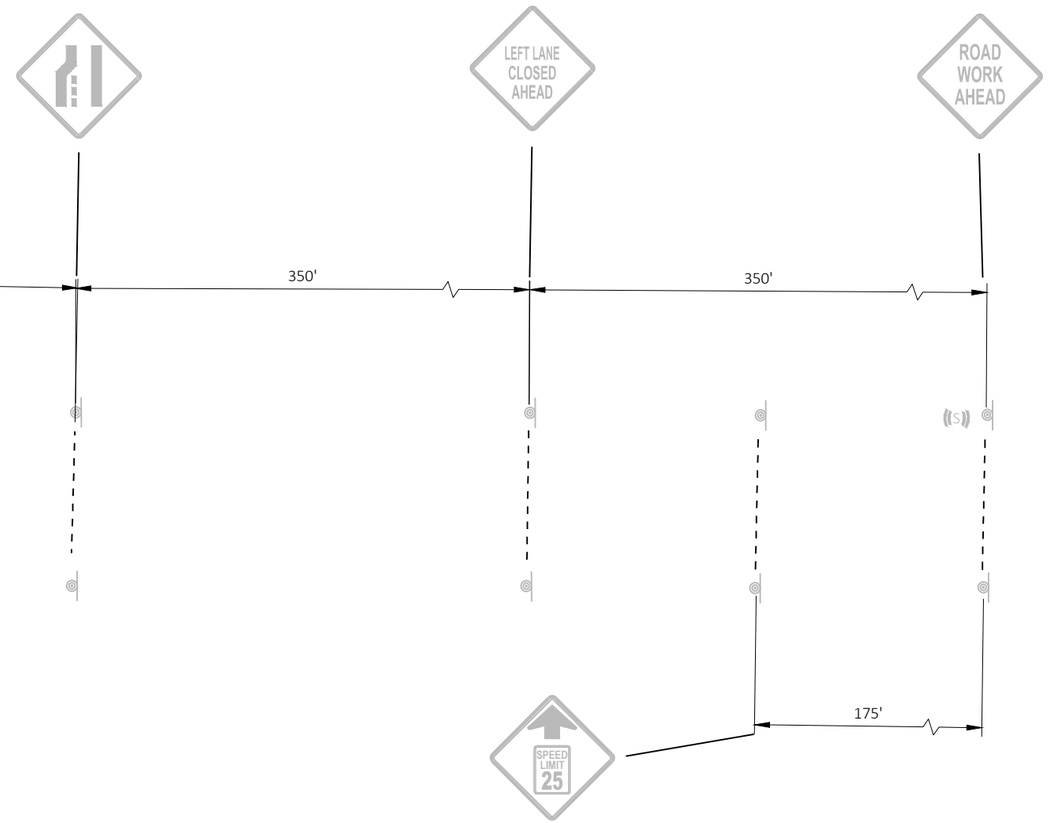
2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND





LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

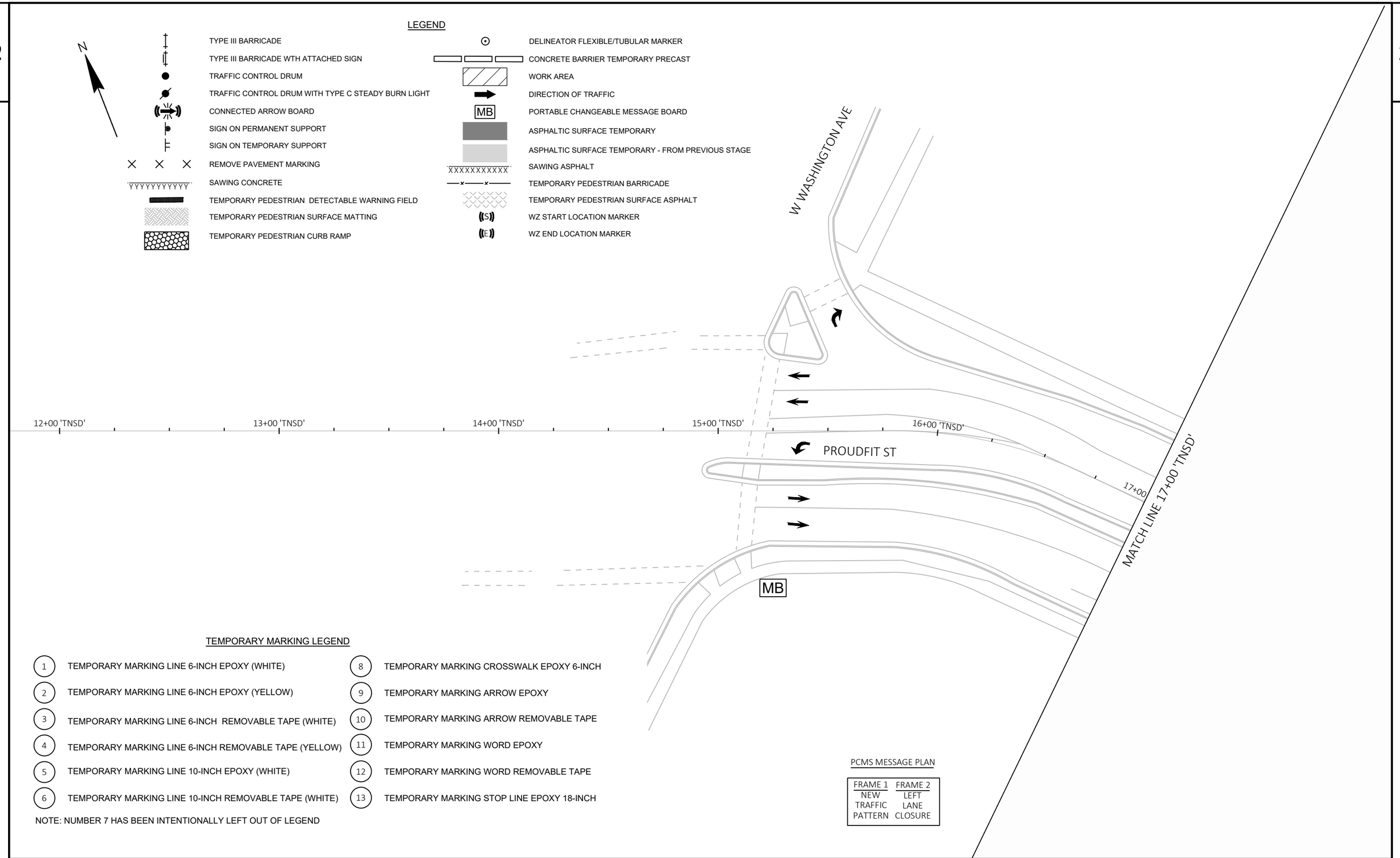
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 485	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 21
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PCMS MESSAGE PLAN

FRAME 1	FRAME 2
NEW TRAFFIC PATTERN	LEFT LANE CLOSURE

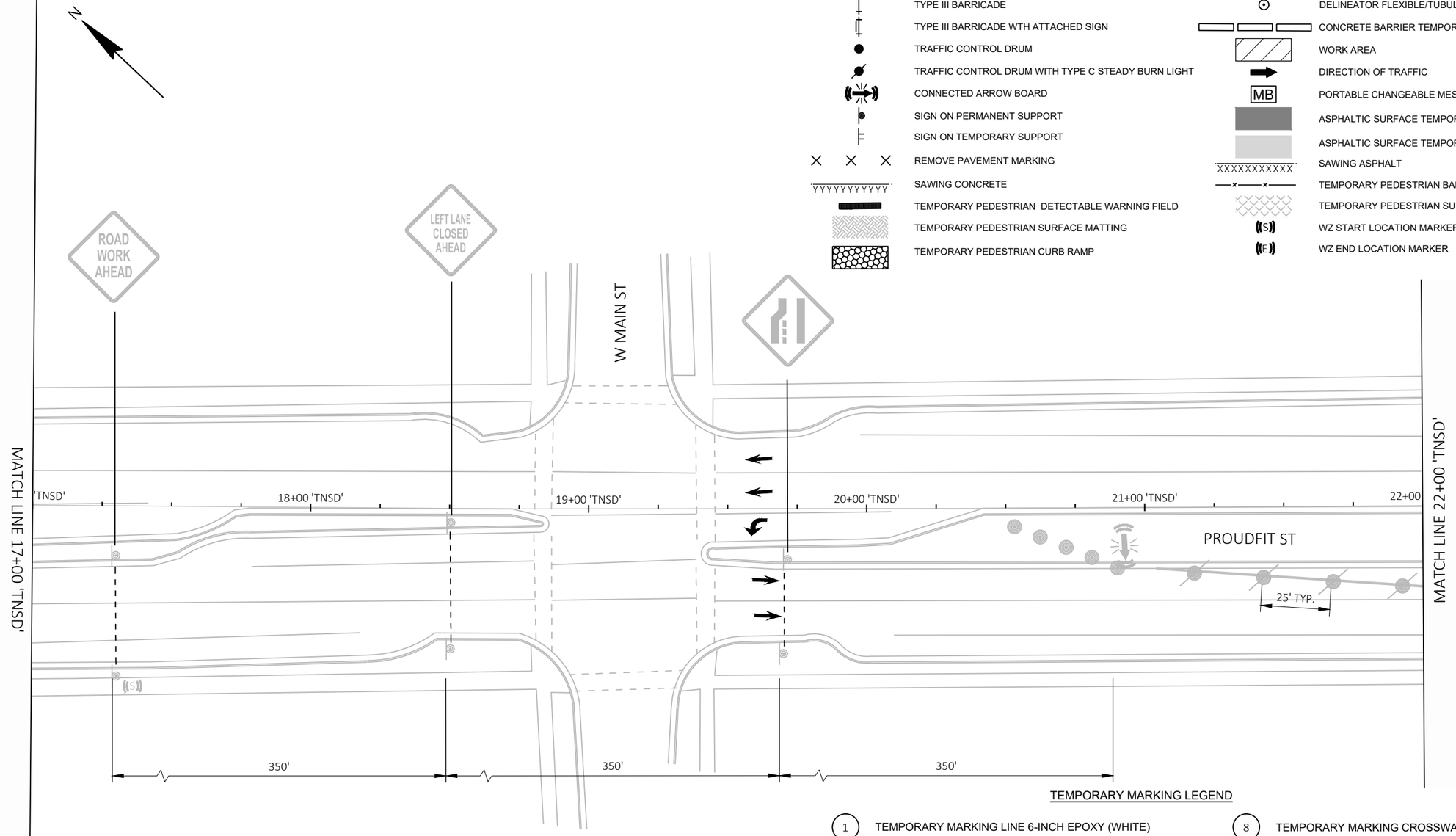
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 486	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 22
PLOT DATE : 6/20/2025 8:11 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

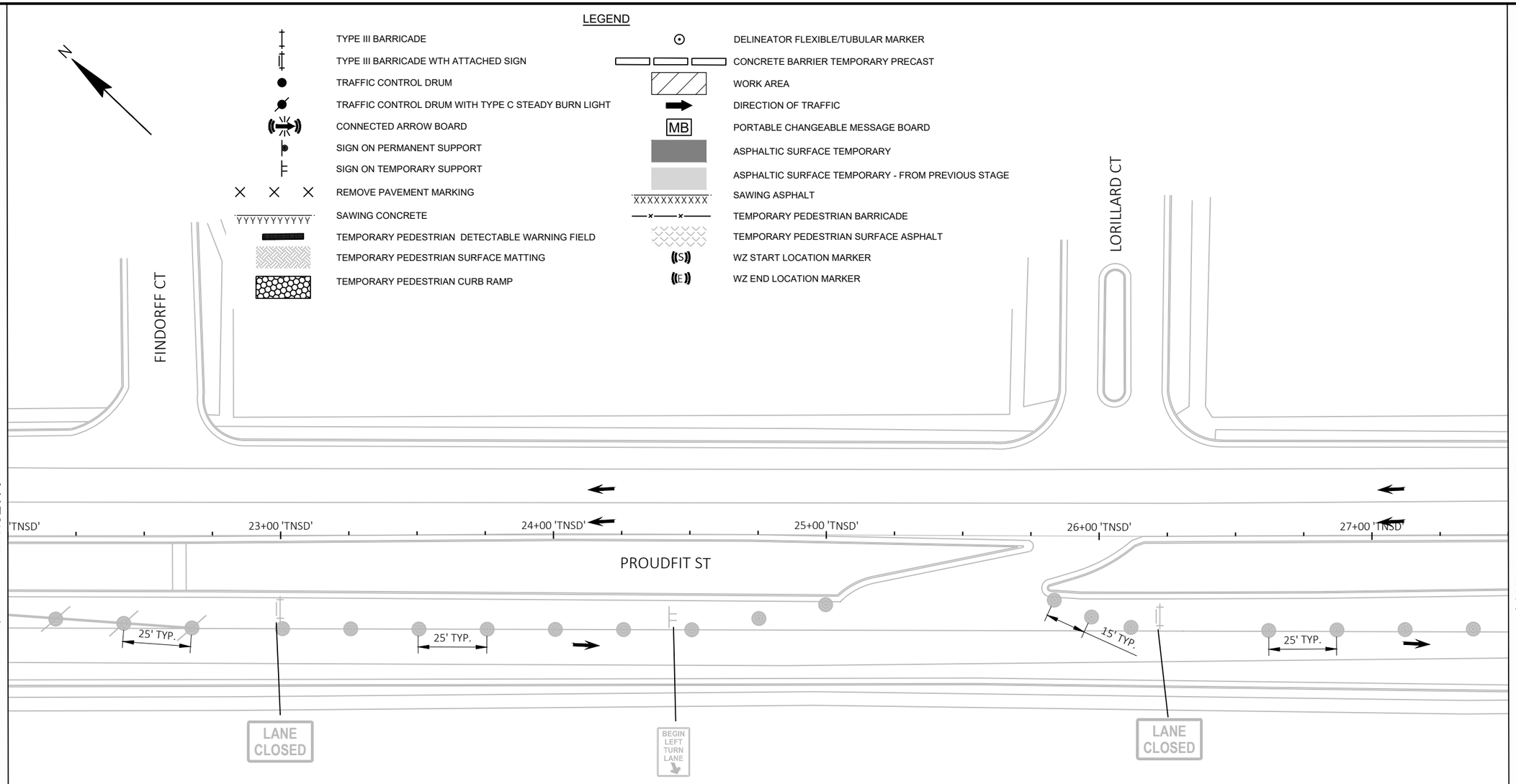
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET	487 E

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

N

MATCH LINE 27+50 'TNSD'

MATCH LINE 33+00 'TNSD'

28+00 'TNSD'

29+00 'TNSD'

30+00 'TNSD'

31+00 'TNSD'

32+00 'TNSD'

33+00

25' TYP.

15' TYP.

50' TYP.

PROUDFIT ST

W BRITTINGHAM PL

LANE CLOSED

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 489	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 25
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

MATCH LINE 33+00 'TNSD'

MATCH LINE 38+00 'TNSD'

34+00 'TNSD'

35+00 'TNSD'

36+00 'TNSD'

37+00 'TNSD'

38+00

NORTH SHORE DRIVE

50' TYP.

25' TYP.

25' TYP.

BEGIN LEFT TURN LANE

LANE CLOSED

BRITTINGHAM PARK
PARKING LOT

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 490 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 26

PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

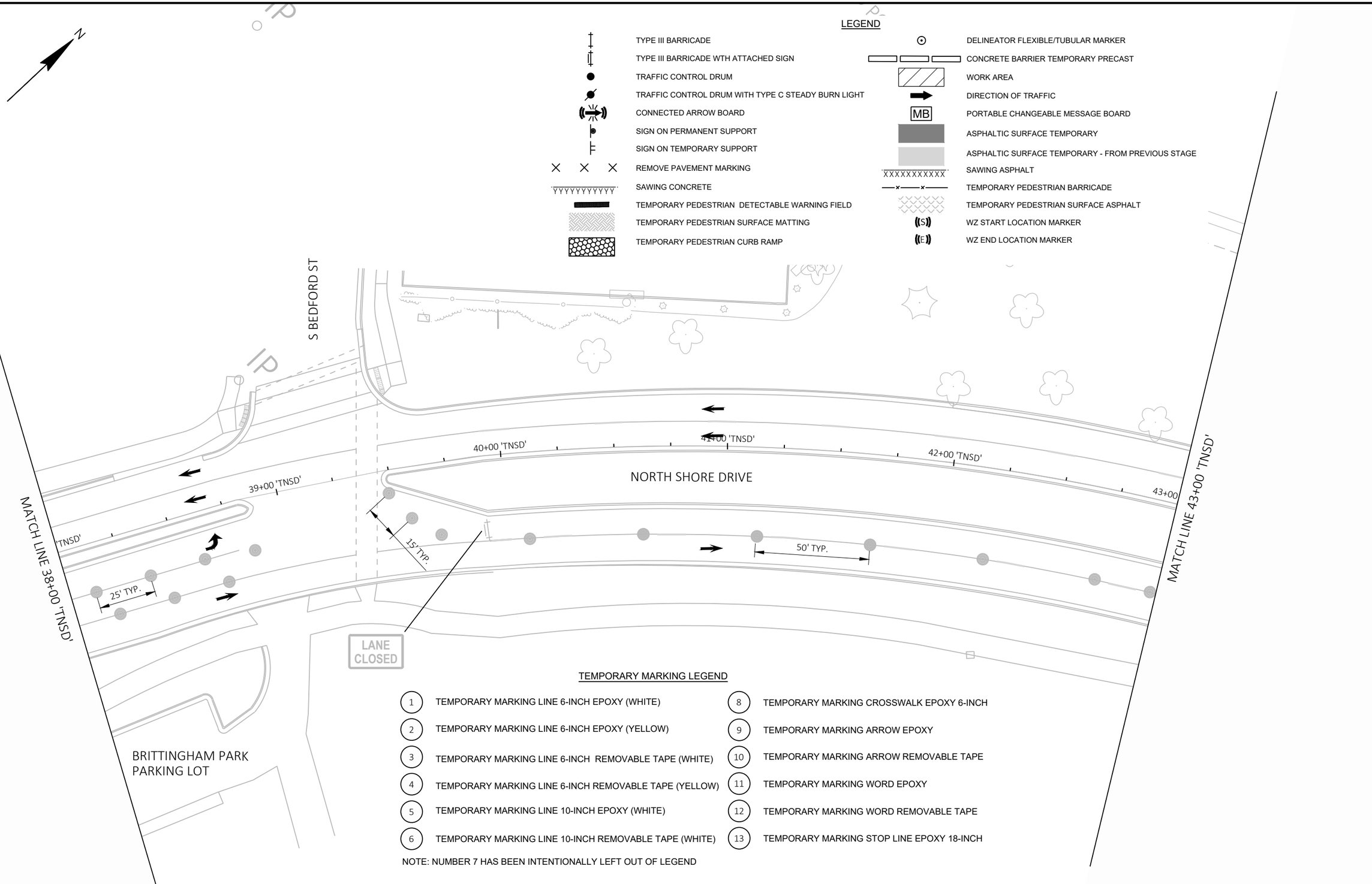
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

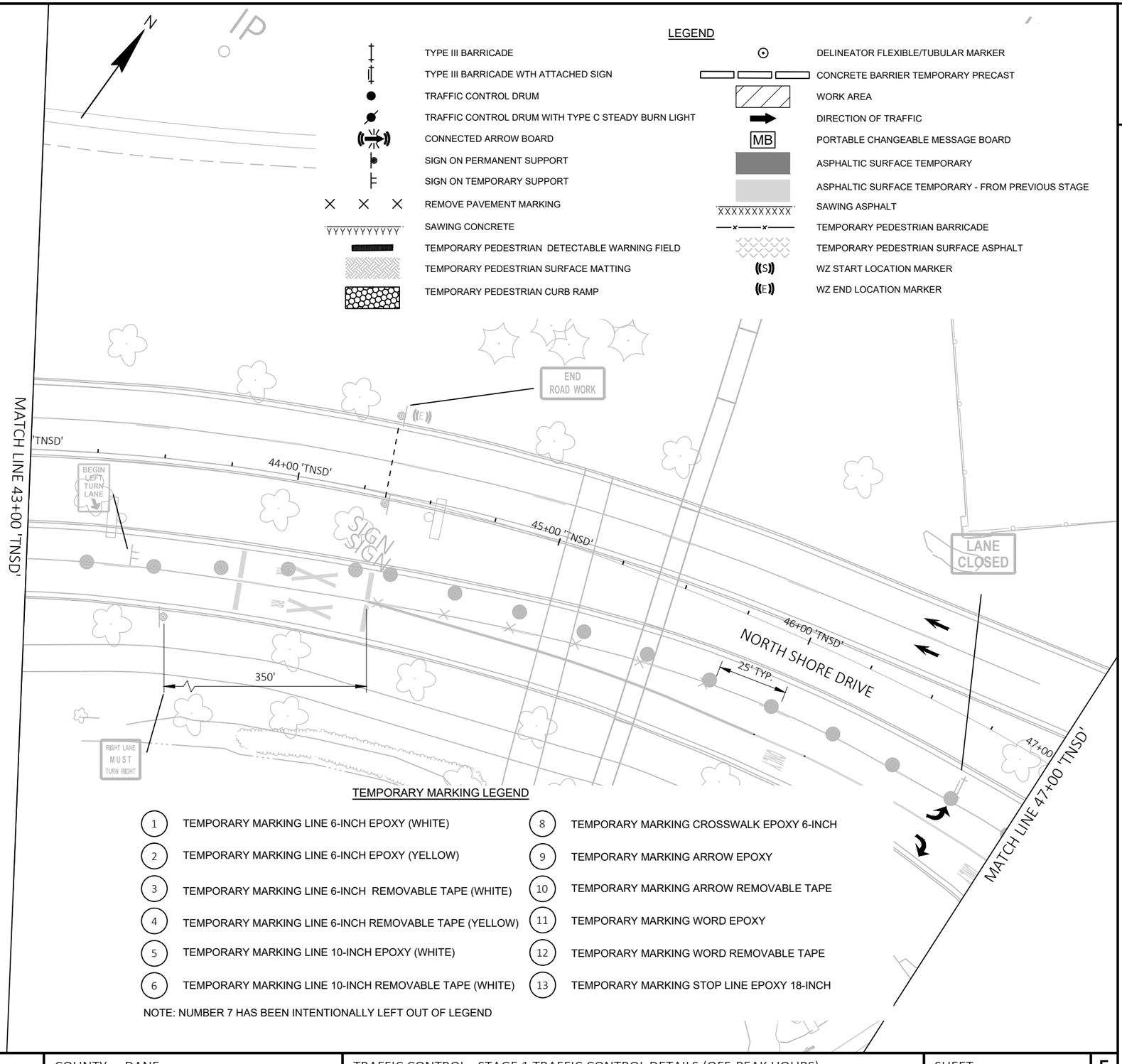
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 491	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 27
PLOT DATE : 6/20/2025 8:11 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

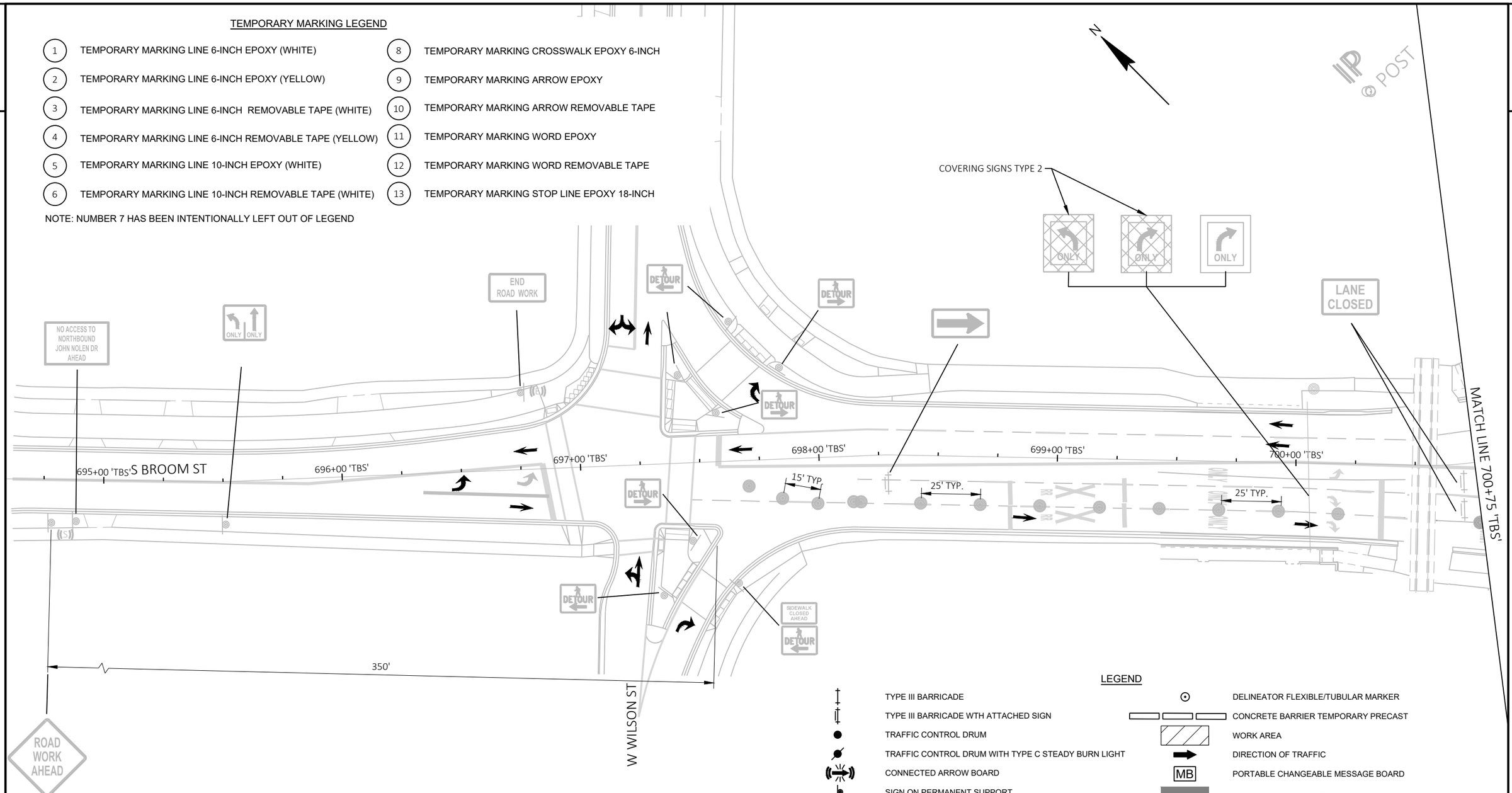


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 492	E

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

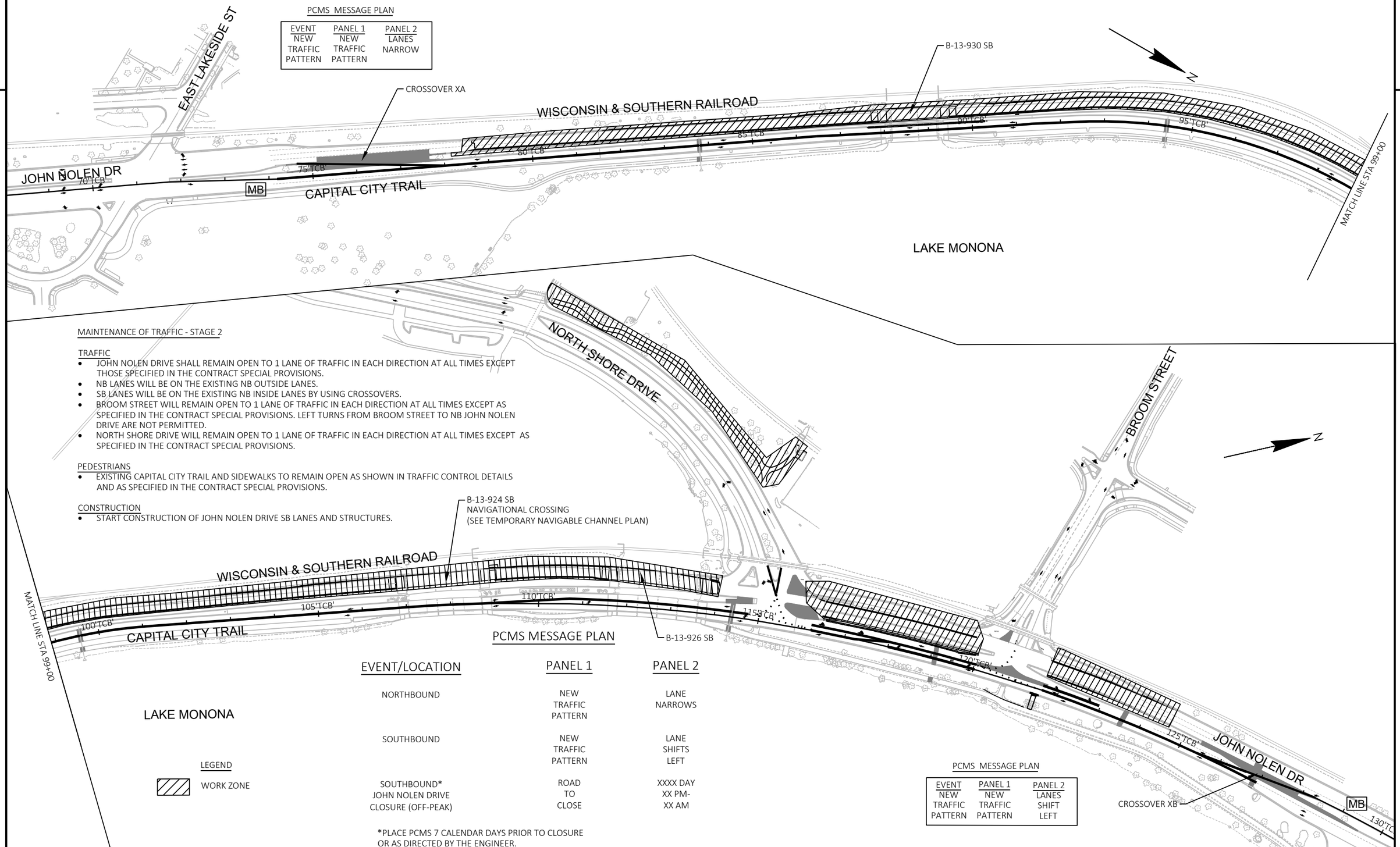
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 1 TRAFFIC CONTROL DETAILS (OFF-PEAK HOURS)	SHEET 493	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 1 OFF-PEAK HOURS.DWG
LAYOUT NAME - 29
PLOT DATE : 6/20/2025 8:11 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	LANES NARROW



MAINTENANCE OF TRAFFIC - STAGE 2

TRAFFIC

- JOHN NOLEN DRIVE SHALL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT THOSE SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- NB LANES WILL BE ON THE EXISTING NB OUTSIDE LANES.
- SB LANES WILL BE ON THE EXISTING NB INSIDE LANES BY USING CROSSOVERS.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE ARE NOT PERMITTED.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

PEDESTRIANS

- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS TO REMAIN OPEN AS SHOWN IN TRAFFIC CONTROL DETAILS AND AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

CONSTRUCTION

- START CONSTRUCTION OF JOHN NOLEN DRIVE SB LANES AND STRUCTURES.

PCMS MESSAGE PLAN

EVENT/LOCATION	PANEL 1	PANEL 2
NORTHBOUND	NEW TRAFFIC PATTERN	LANE NARROWS
SOUTHBOUND	NEW TRAFFIC PATTERN	LANE SHIFTS LEFT
SOUTHBOUND* JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	ROAD TO CLOSE	XXXX DAY XX PM- XX AM

*PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER.

LEGEND

WORK ZONE

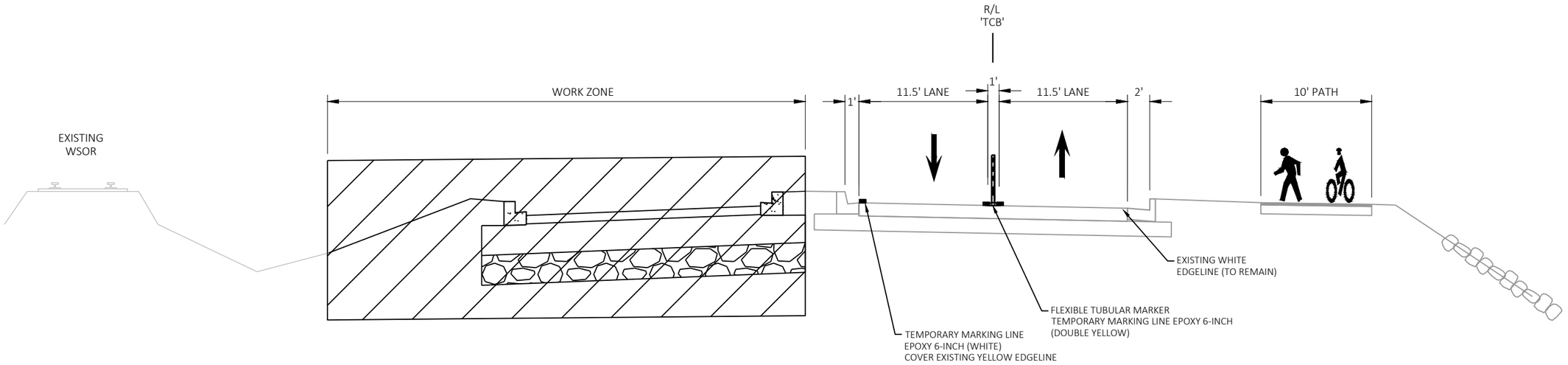
PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	LANES SHIFT LEFT

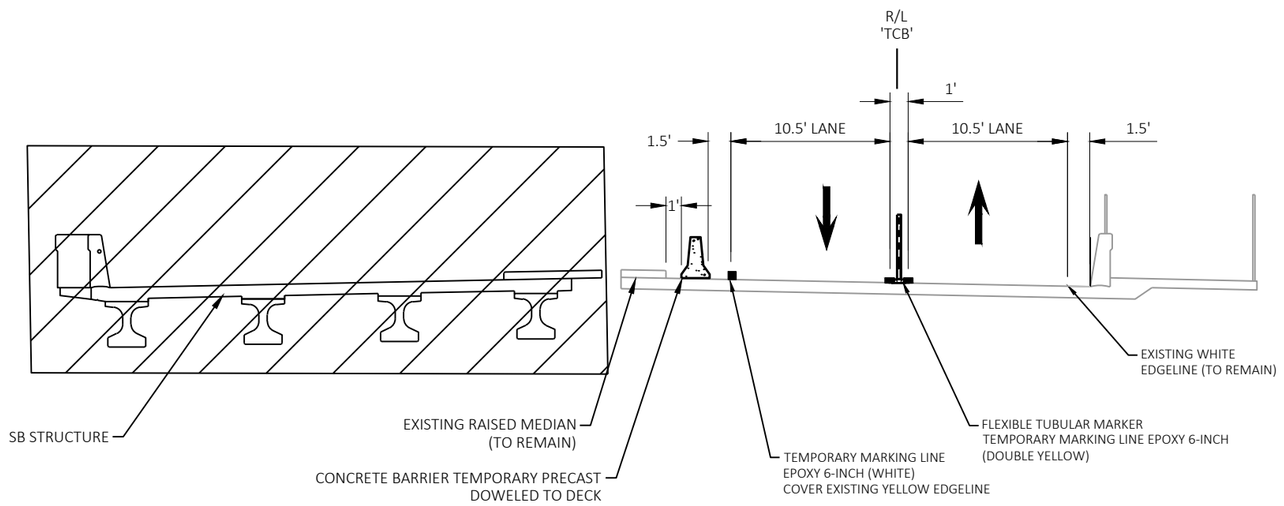
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET 494	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2 OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



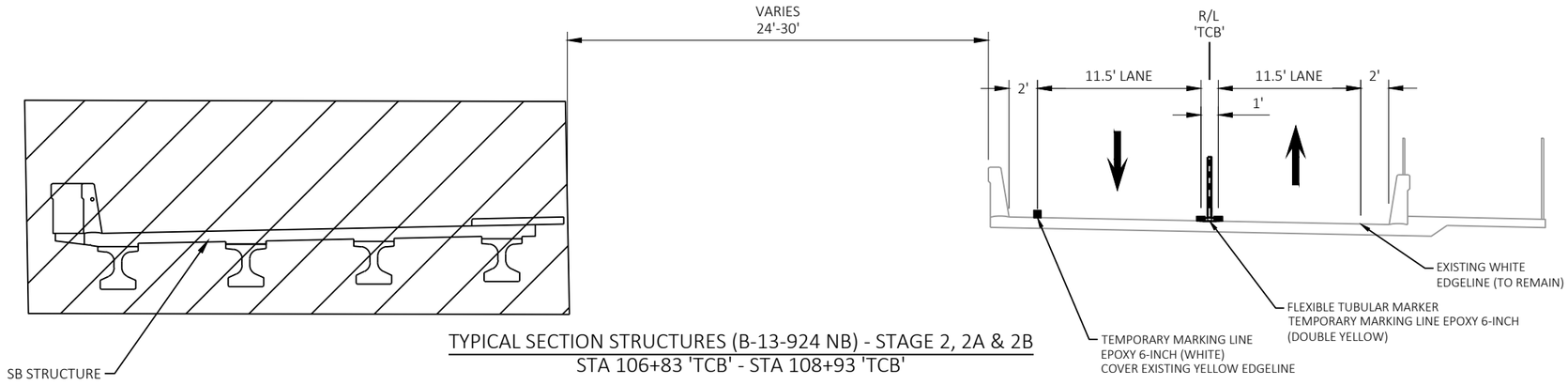
TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 2, 2A & 2B
BEGINNING OF PROJECT TO NORTH SHORE DRIVE



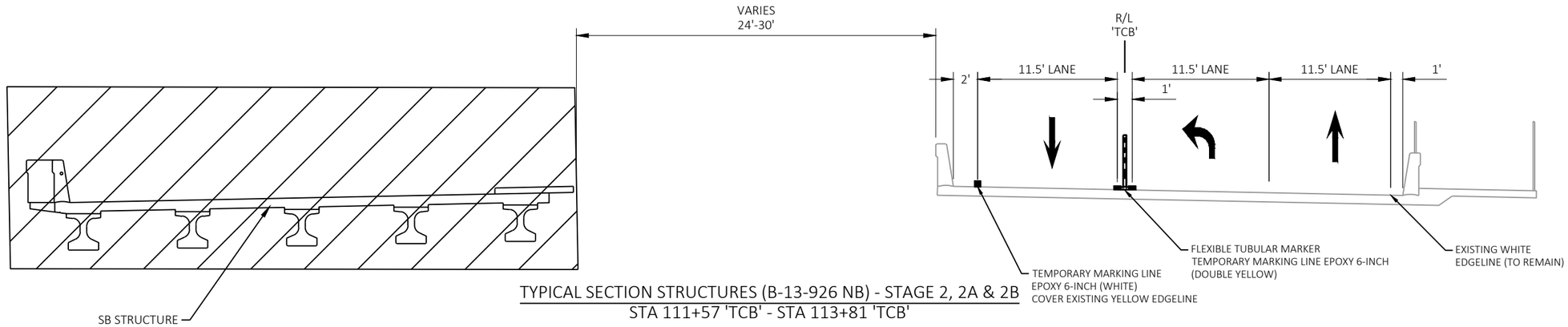
TYPICAL SECTION STRUCTURES (B-13-930 NB) - STAGE 2, 2A & 2B
STA 87+92 'TCB' - STA 89+44 'TCB'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B TYPICAL SECTIONS	SHEET 495	E

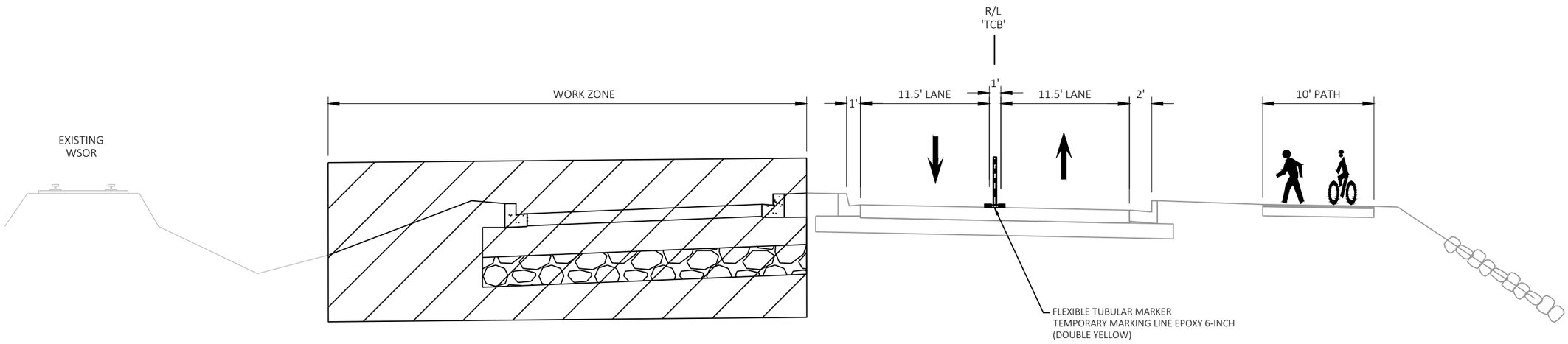
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC_TS.DWG
LAYOUT NAME - 05-Stage 2
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



TYPICAL SECTION STRUCTURES (B-13-924 NB) - STAGE 2, 2A & 2B
STA 106+83 'TCB' - STA 108+93 'TCB'



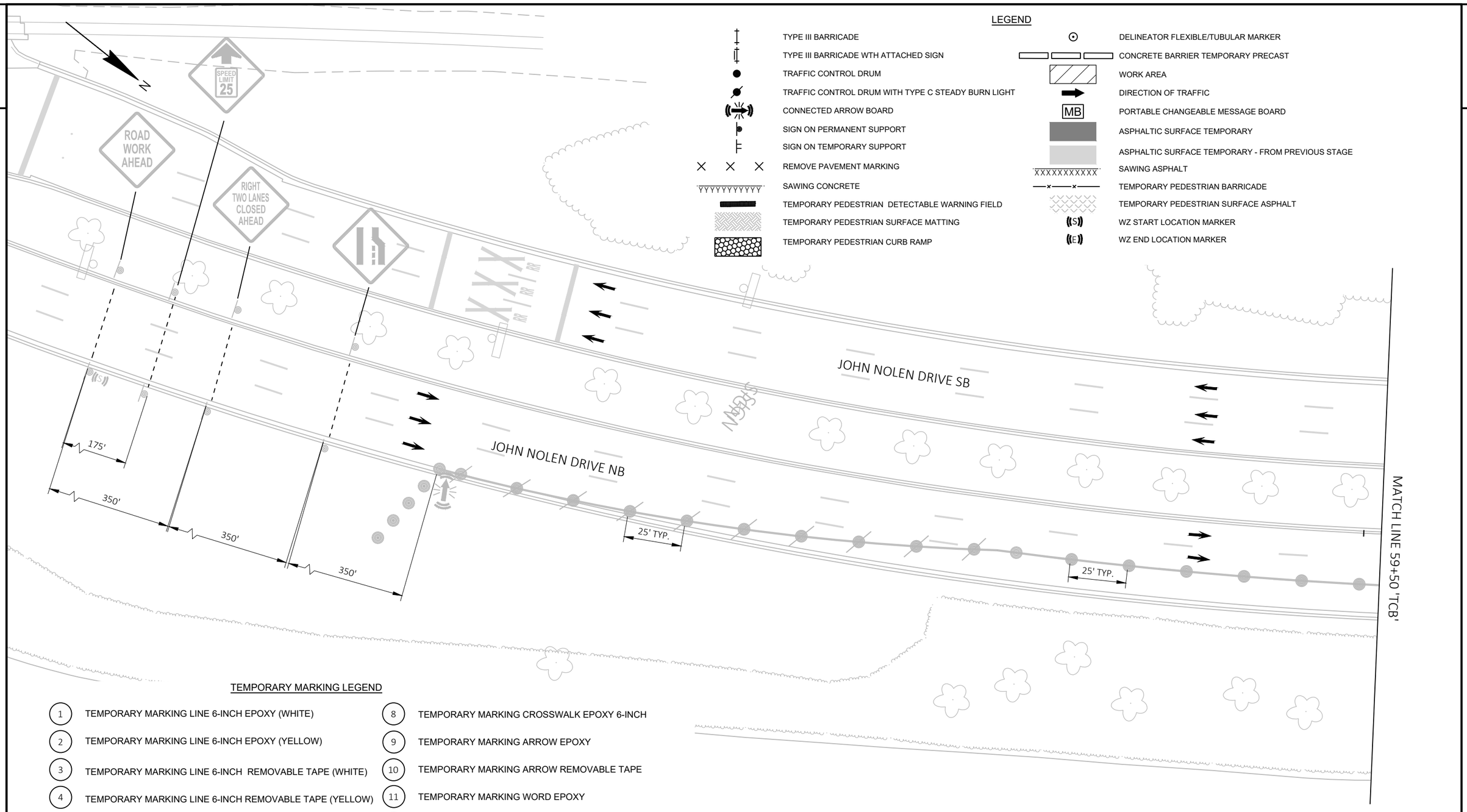
TYPICAL SECTION STRUCTURES (B-13-926 NB) - STAGE 2, 2A & 2B
STA 111+57 'TCB' - STA 113+81 'TCB'



TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 2, 2A & 2B
NORTH SHORE DRIVE TO END OF PROJECT

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B TYPICAL SECTIONS	SHEET 496	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

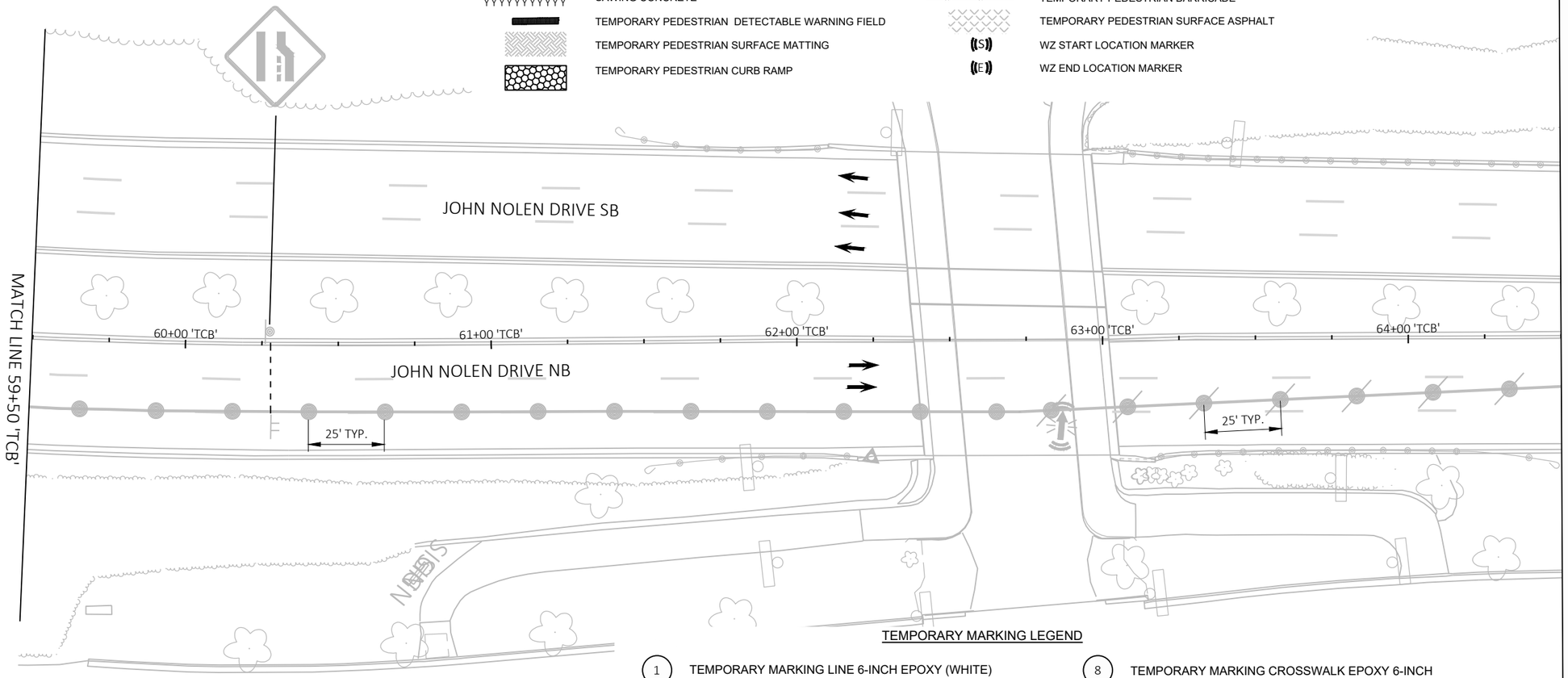
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 497	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

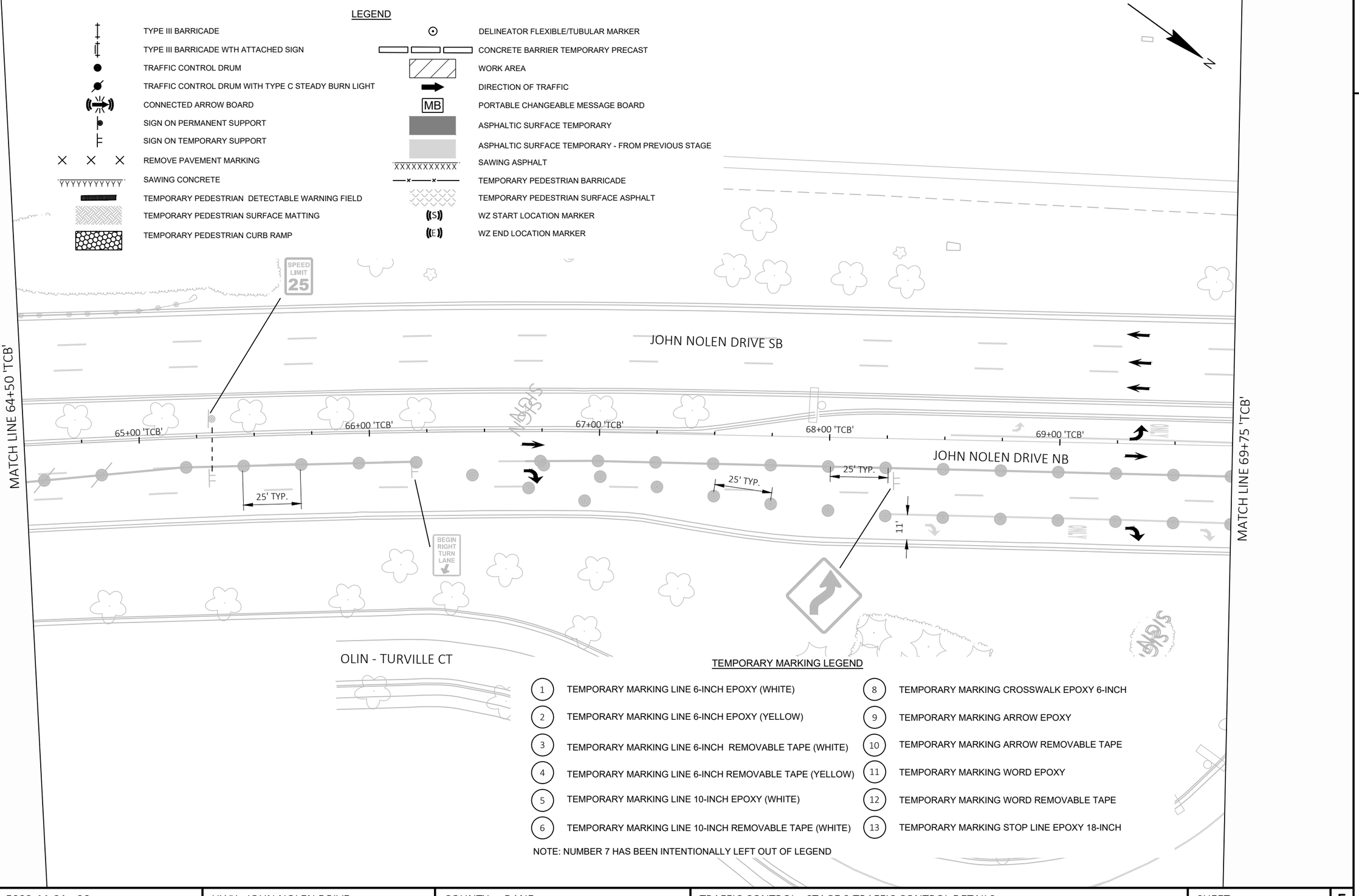
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 499	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 03
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

END ROAD WORK

E LAKESIDE ST

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

MATCH LINE 69+75 'TCB'

MATCH LINE 75+00 'TCB'

70+00 'TCB'

71+00 'TCB'

72+00 'TCB'

73+00 'TCB'

74+00 'TCB'

75+00

25' TYP.

15' TYP.

50' TYP.

+66.25 'TCB'
-42.1' LT

+65.24 'TCB'
-31.1' LT

+18.23 'TCB'
0.5' RT

11'

LANE CLOSED
R11-2L
48"X30"

NOTE: MAINTAIN ACCESS TO BUS STOP AT ALL TIMES

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 500	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 04
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

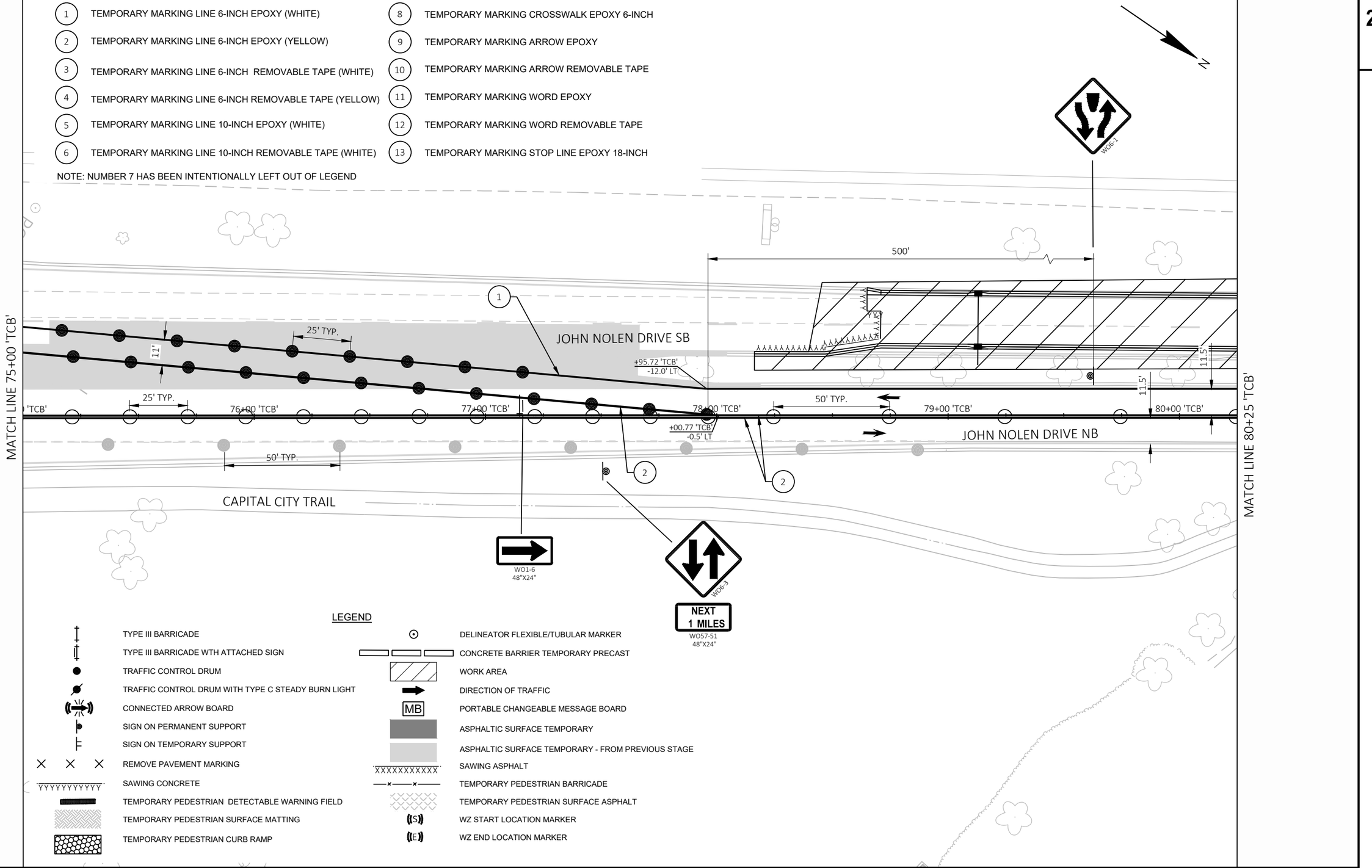
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 501	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 05
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

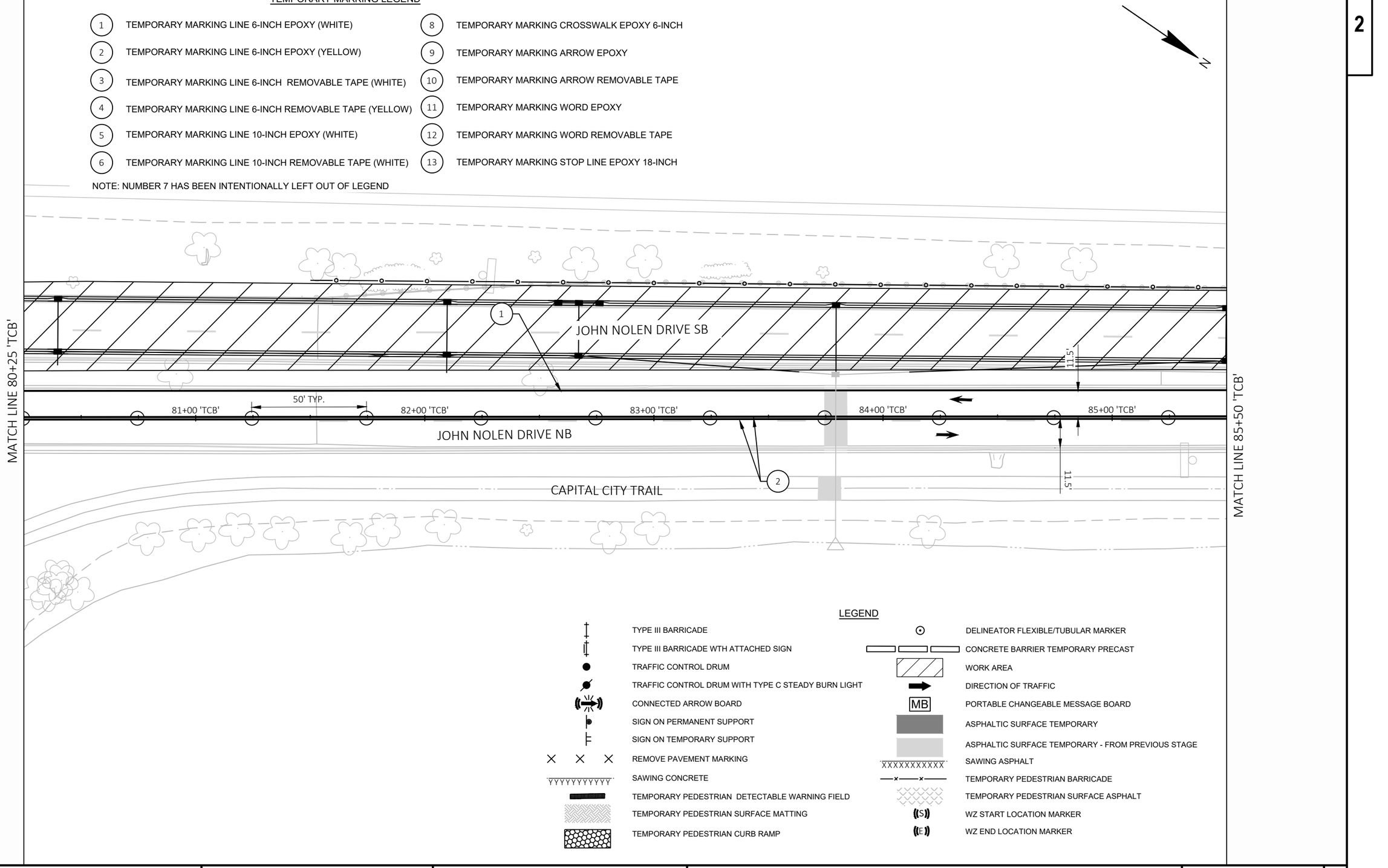
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 502	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 06

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

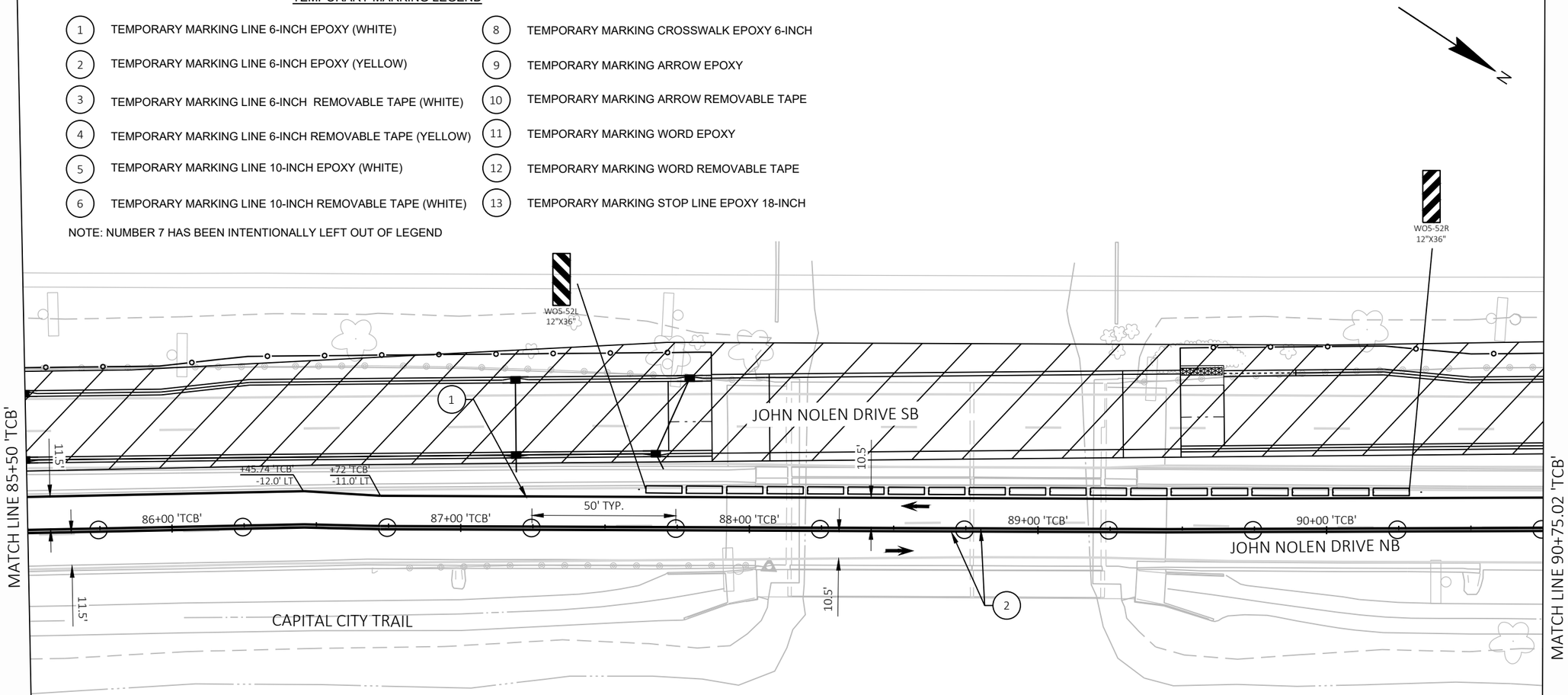
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 503	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 07
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

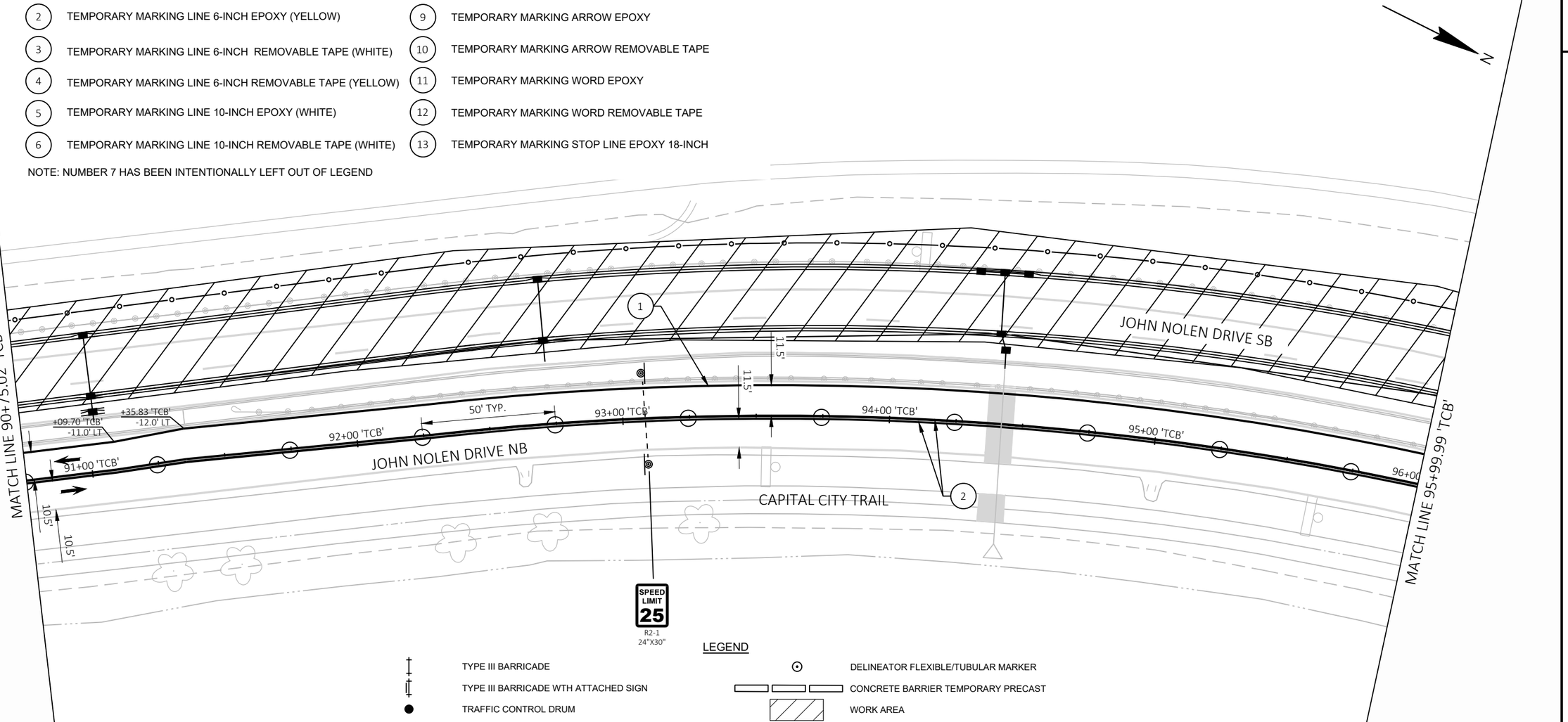
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 504	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 08

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

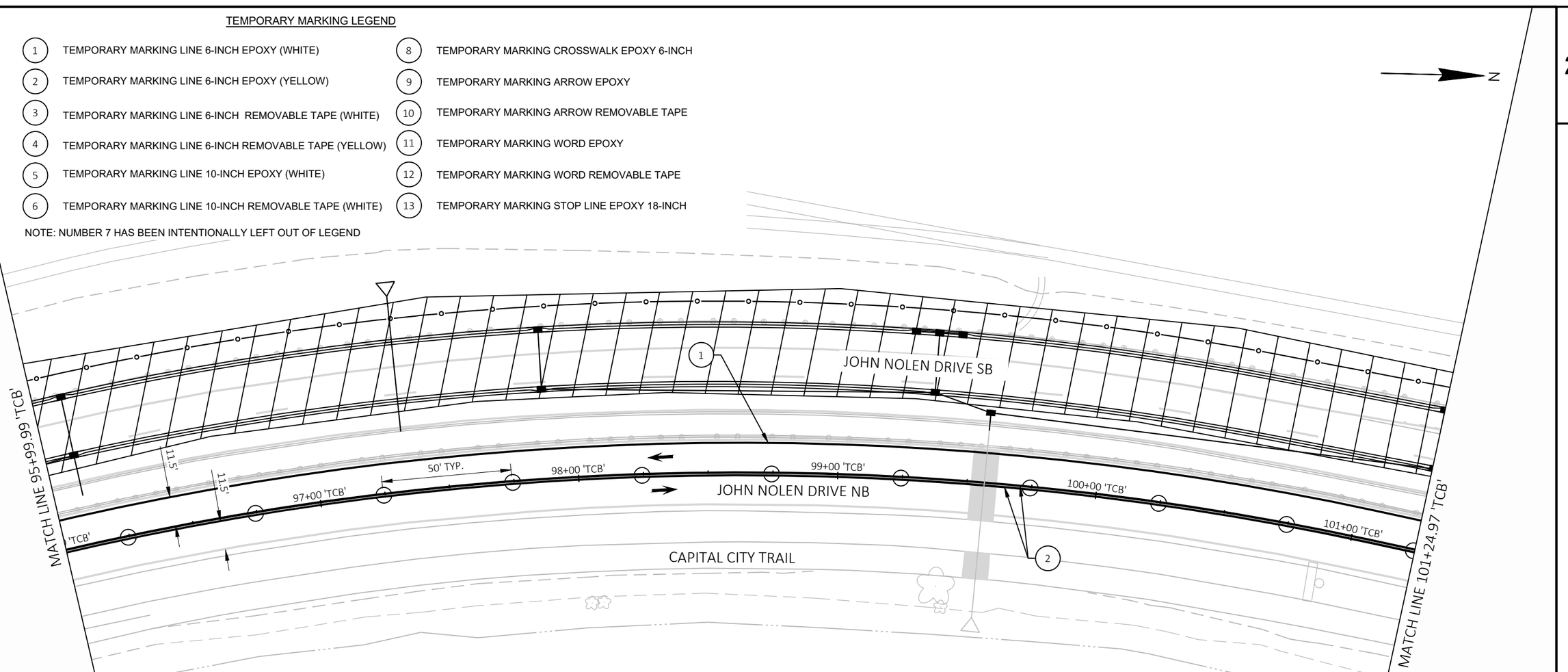
2

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 505	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 09
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

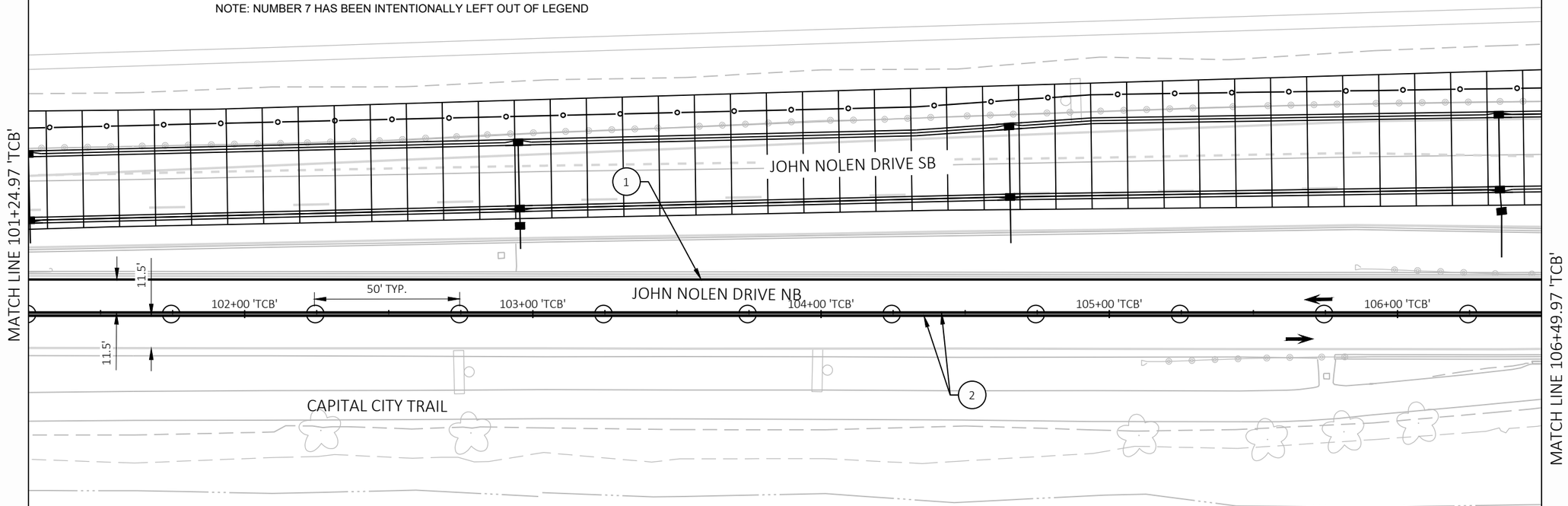
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TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 506	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 10

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

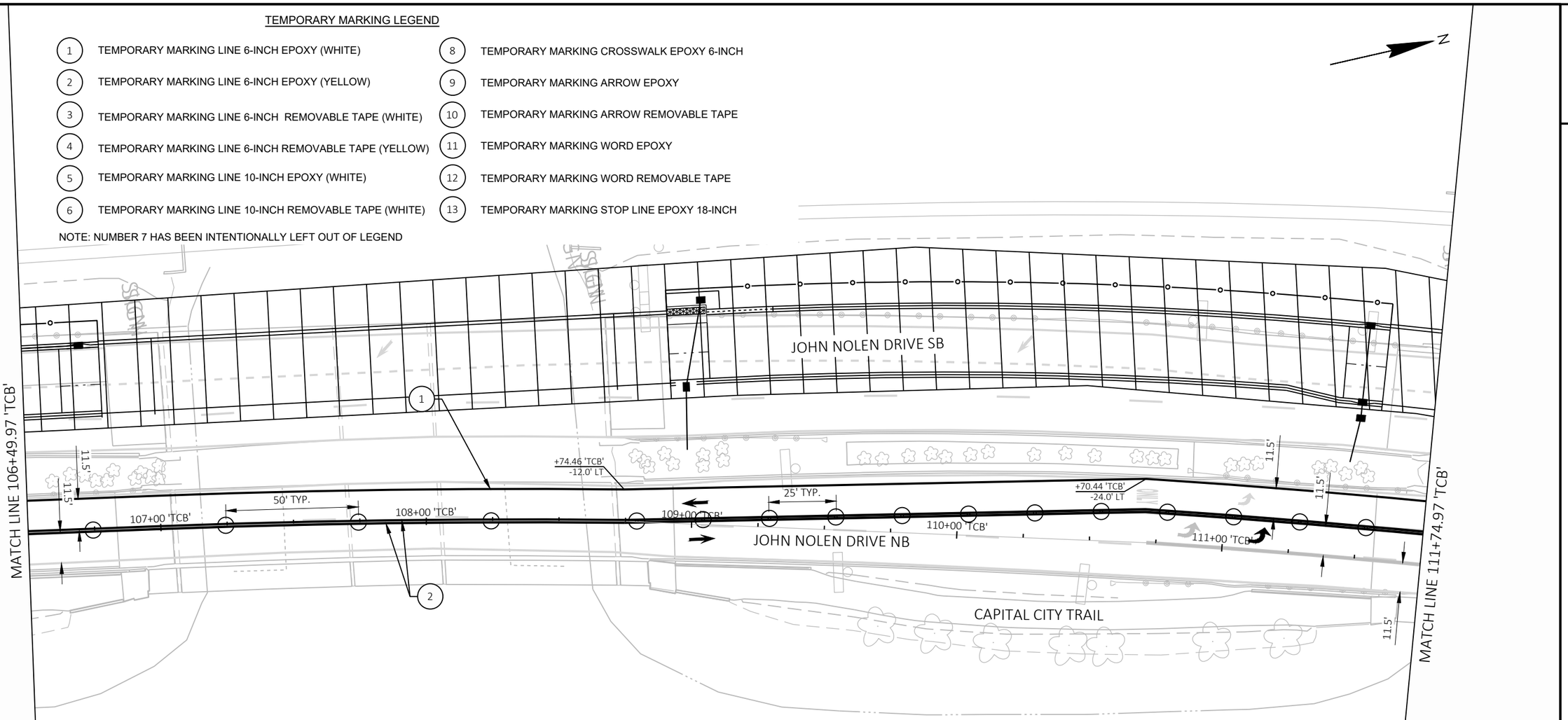
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2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

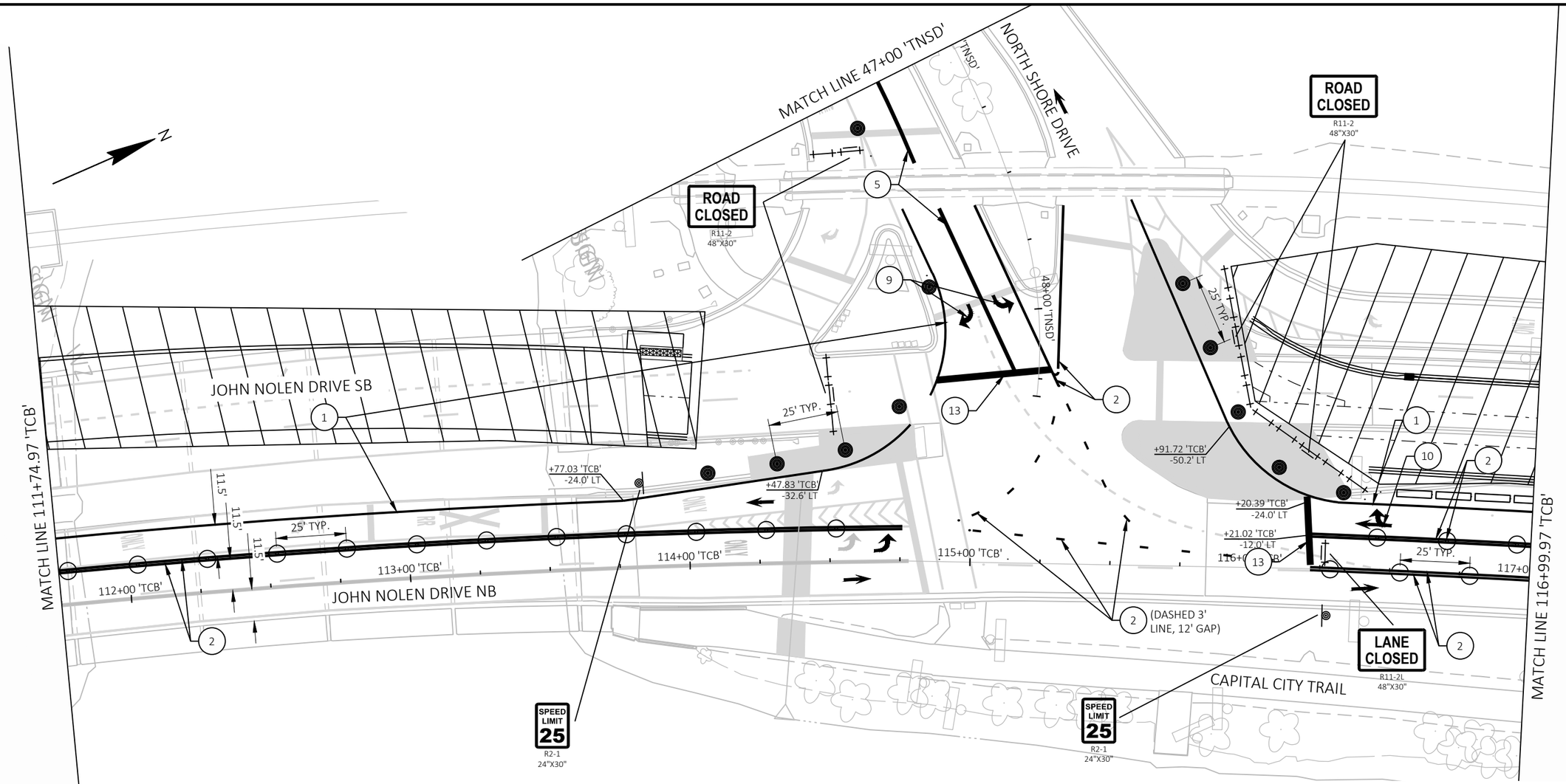
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 507	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 11

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

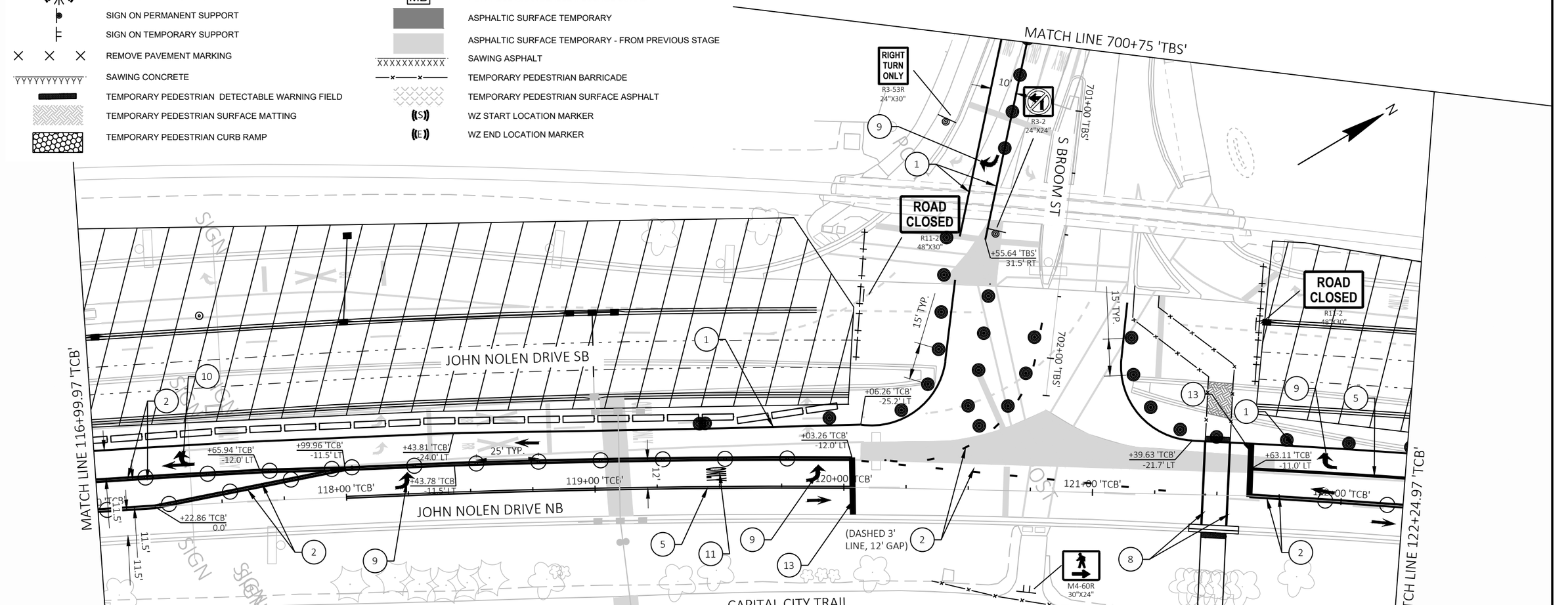
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 508	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 12
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 509	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 13
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

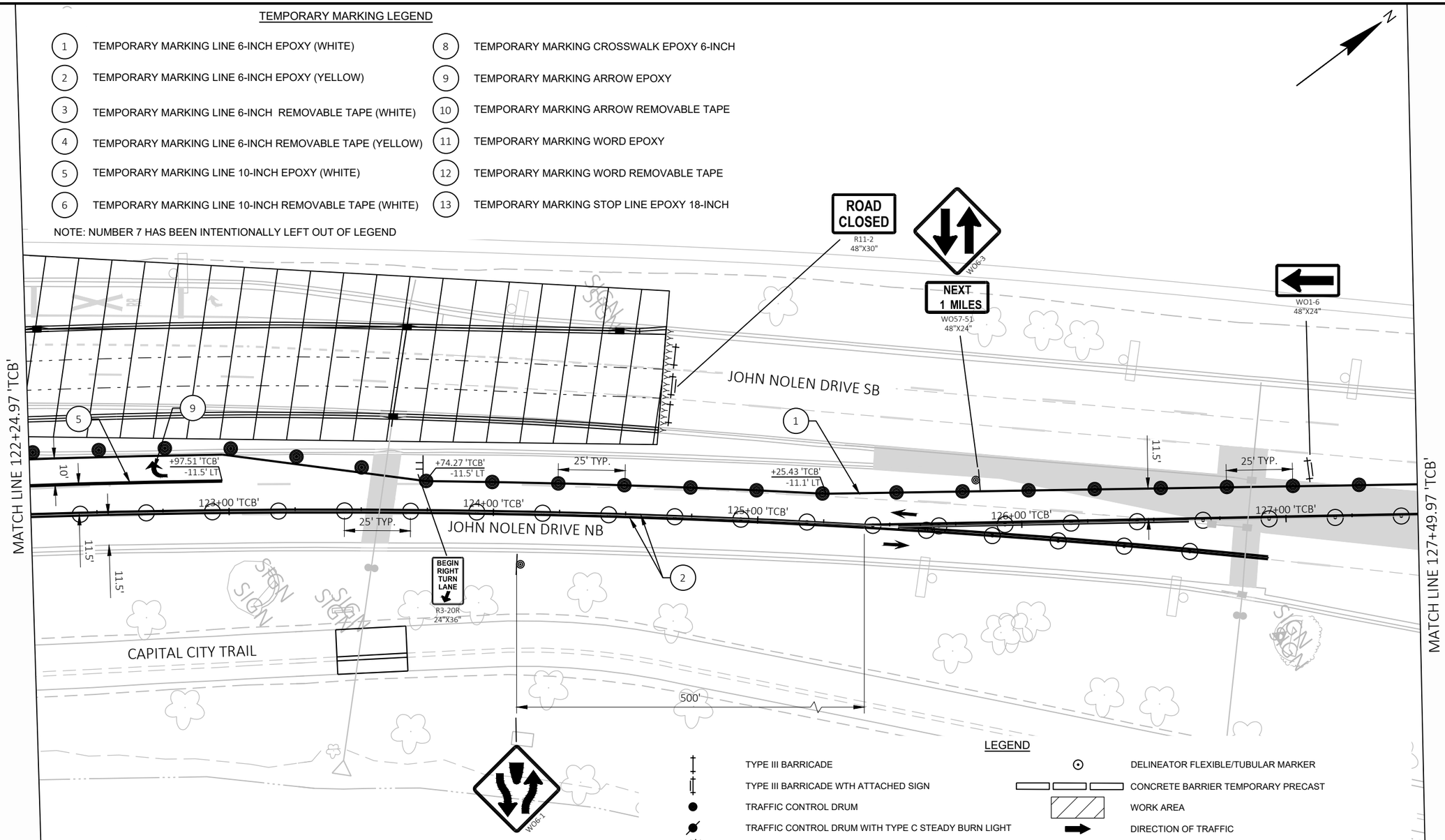
2

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 510	E

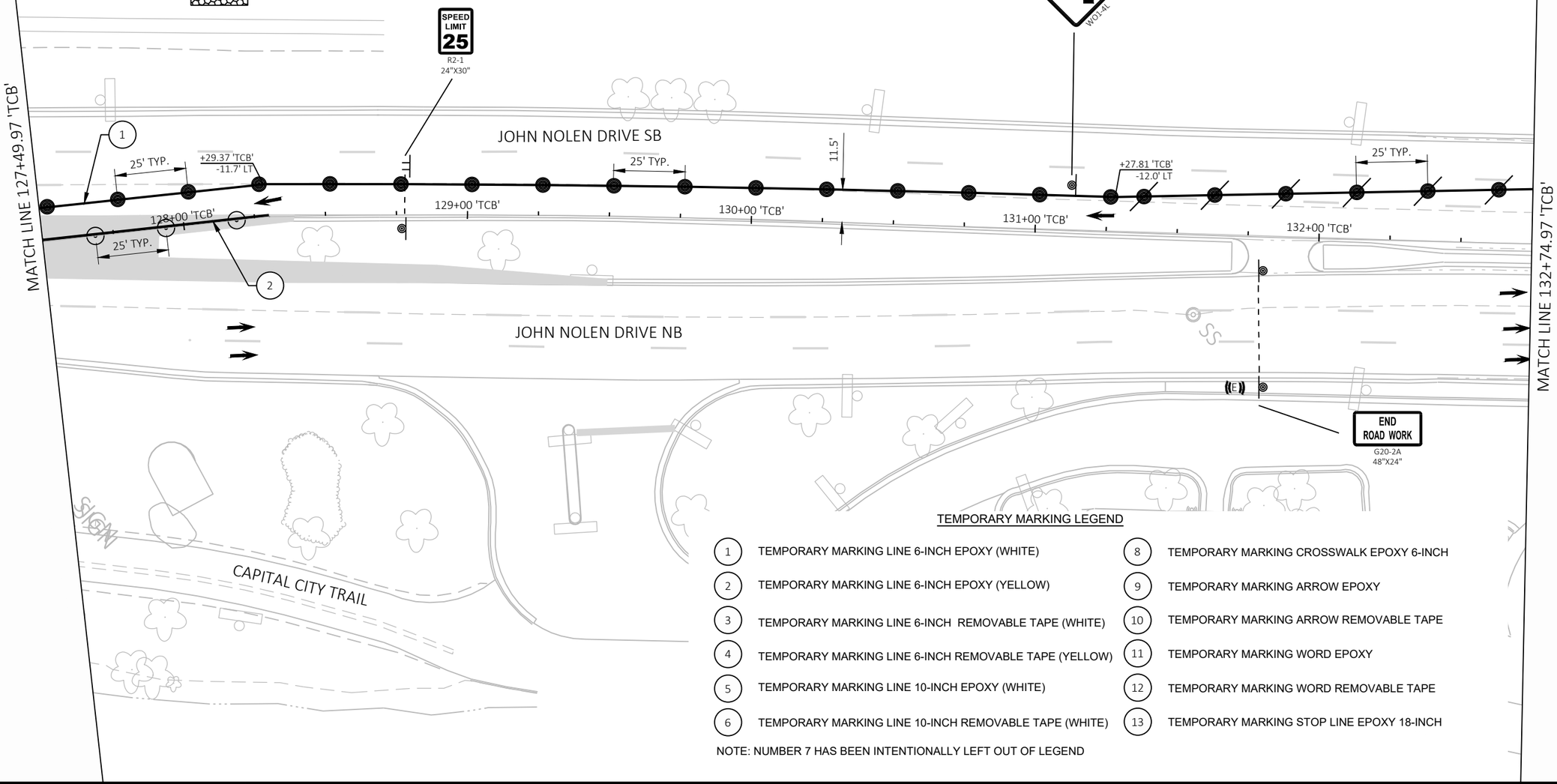
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 14

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 511	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 15
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

MATCH LINE 132+74.97 'TCB'

MATCH LINE 137+99.97 'TCB'

+73.02 'TCB'
-23.1' LT

25' TYP.

25' TYP.

1

JOHN NOLEN DRIVE SB

133+00 'TCB'

134+00 'TCB'

135+00 'TCB'

136+00 'TCB'

137+00 'TCB'

138+0

JOHN NOLEN DRIVE NB

W04-2R

CAPITAL CITY TRAIL

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 512	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 16

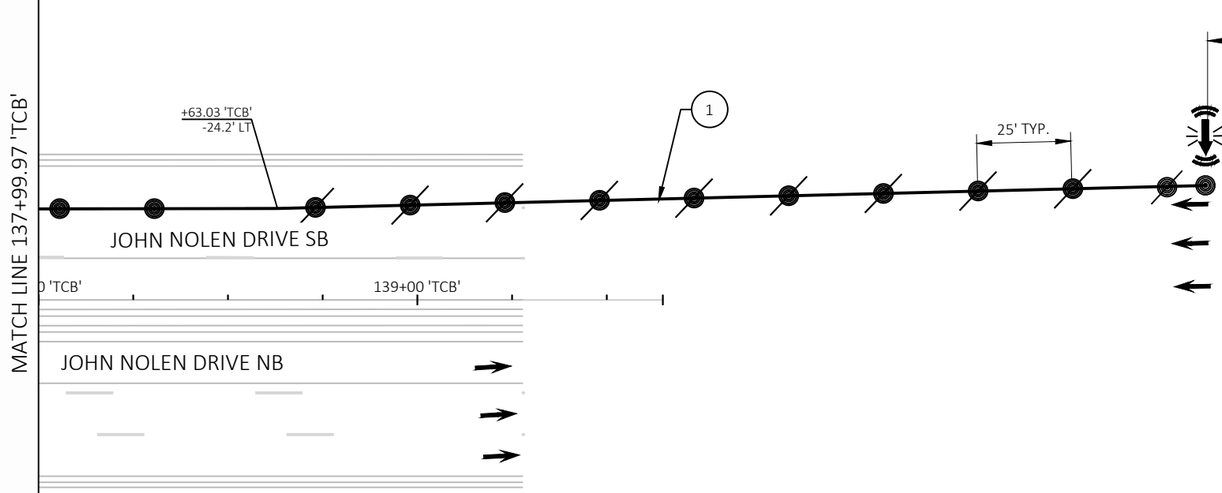
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

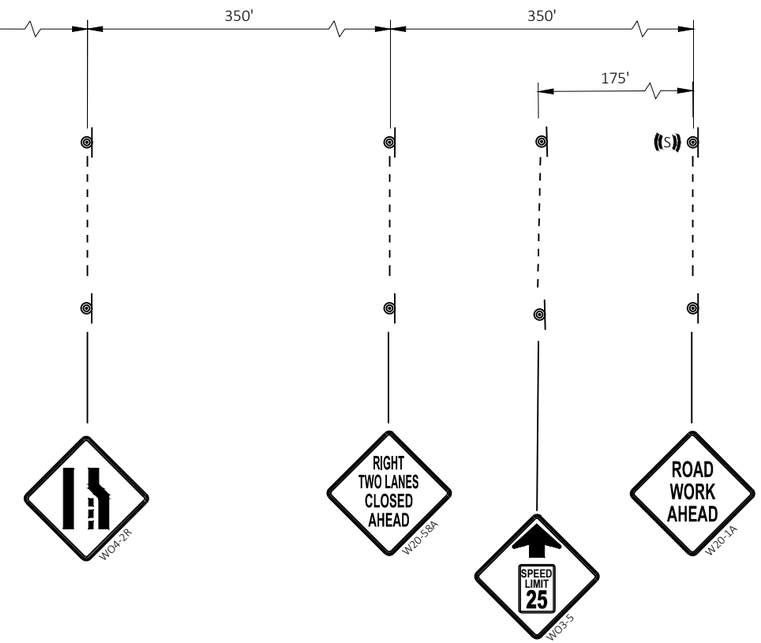
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)





TEMPORARY MARKING LEGEND

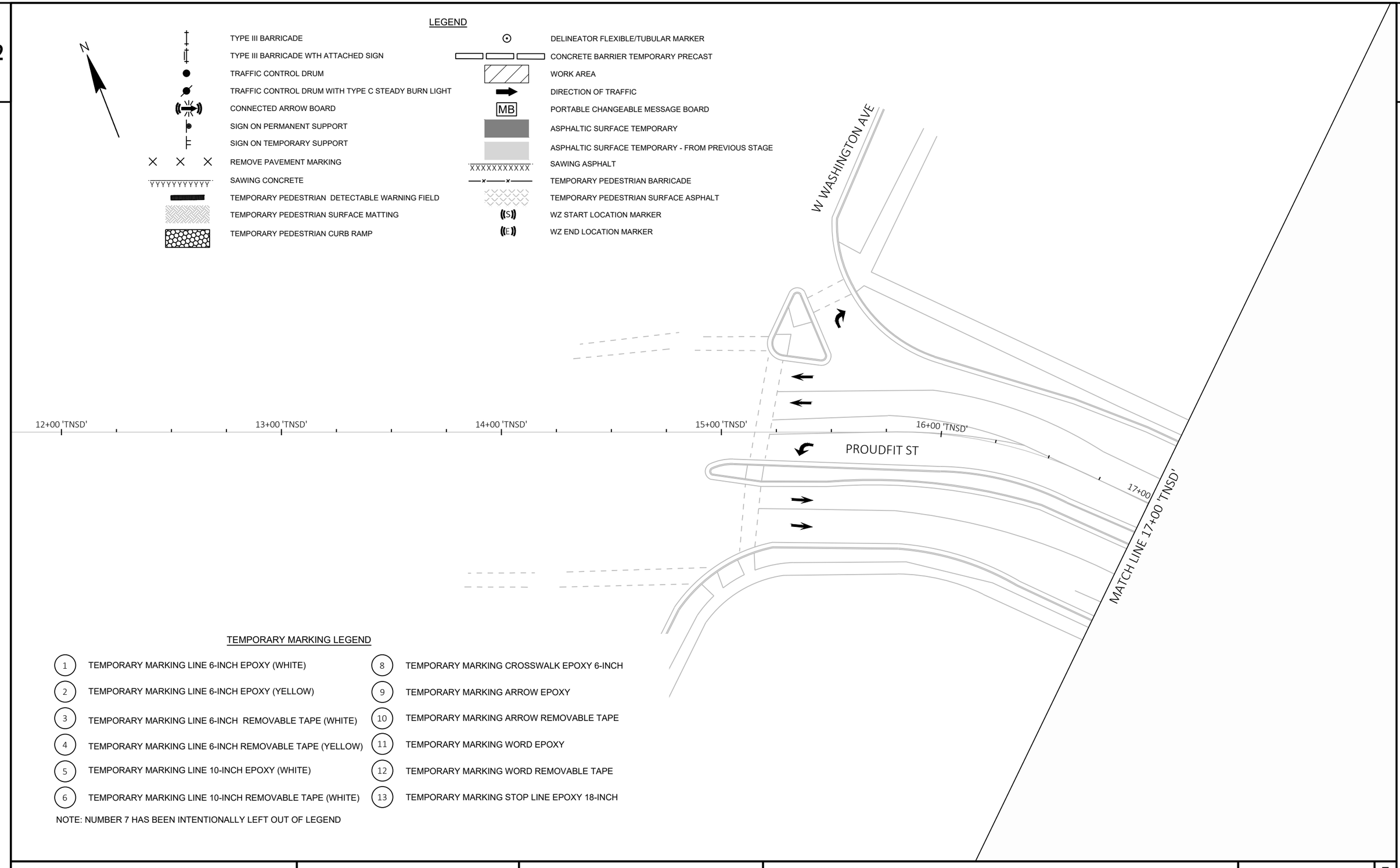
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

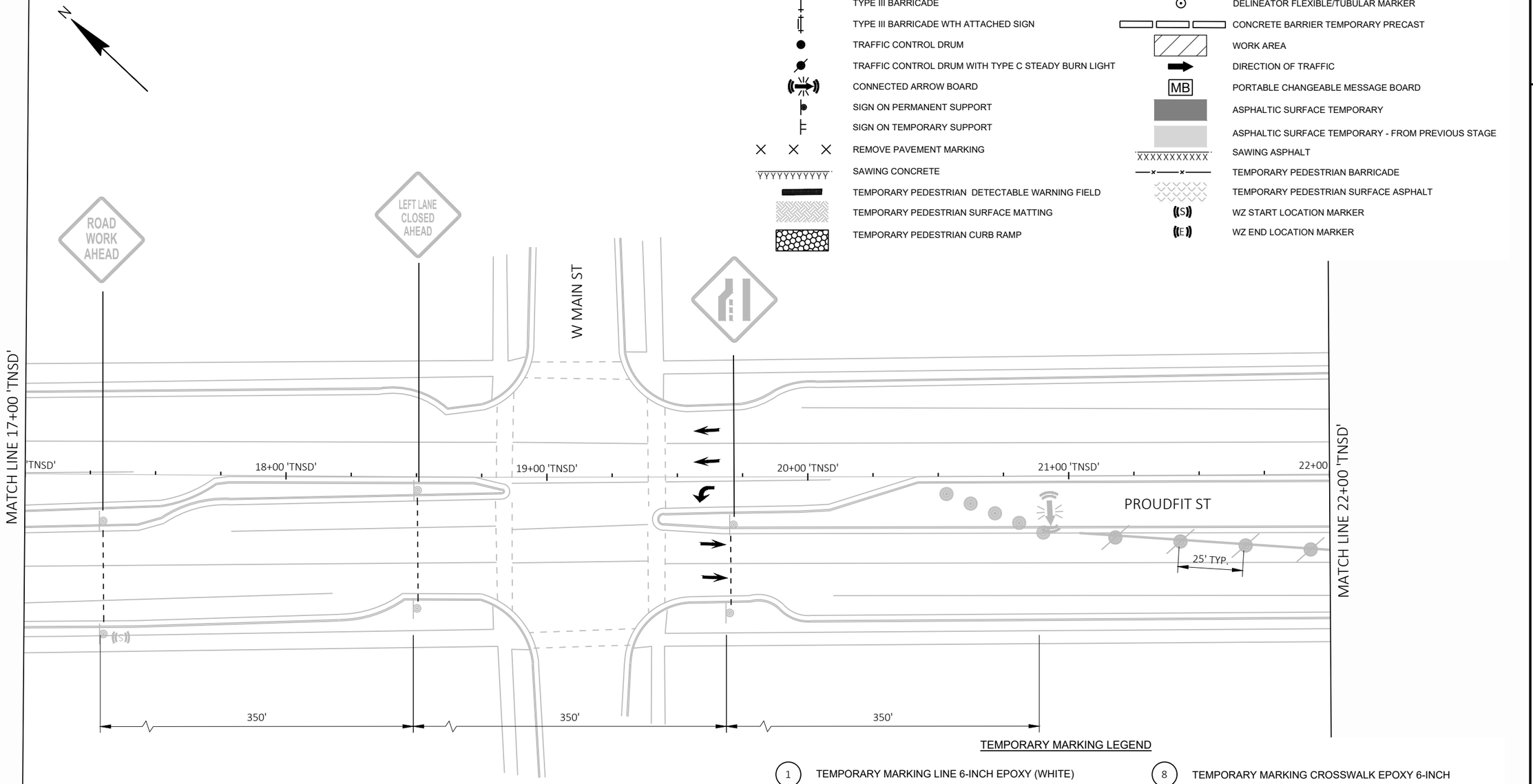
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 514	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

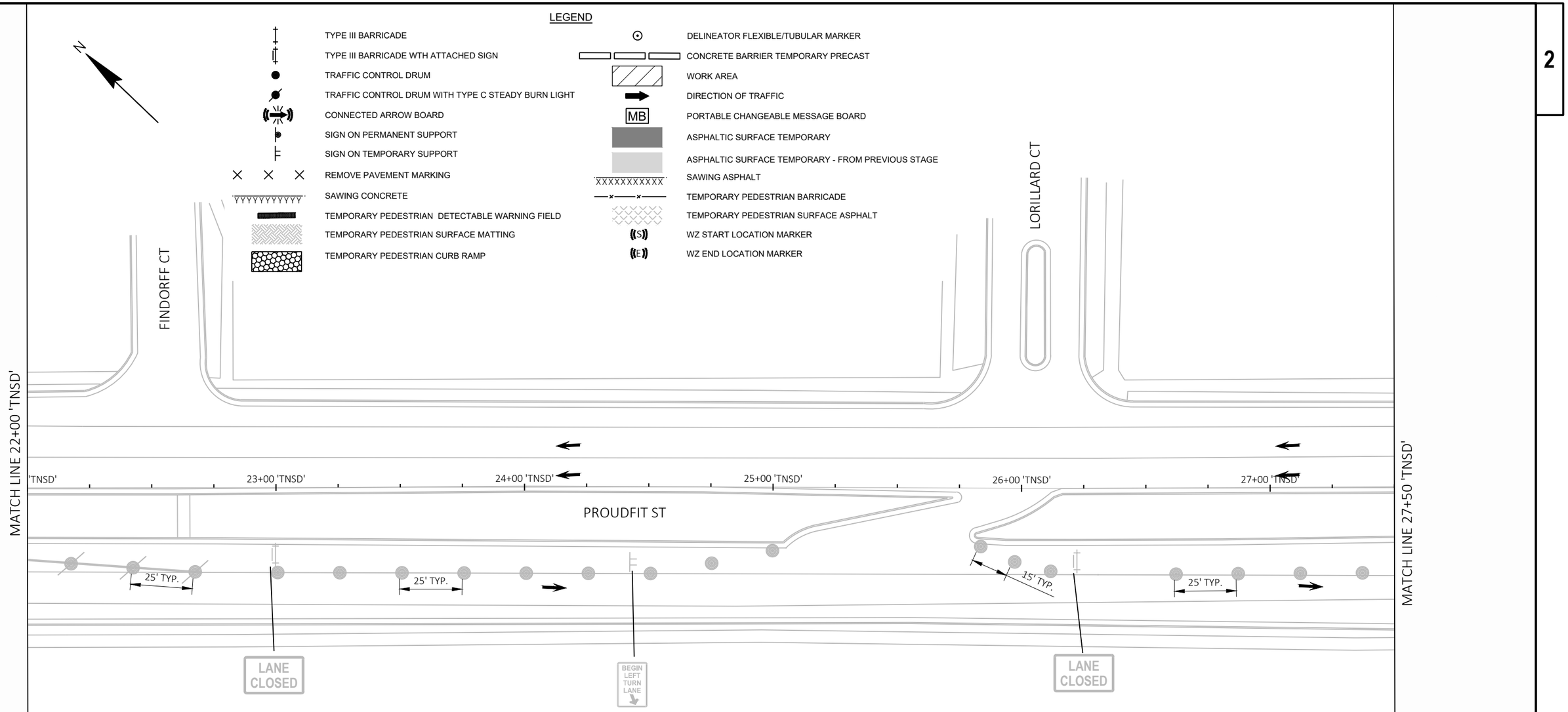
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 515	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 19
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

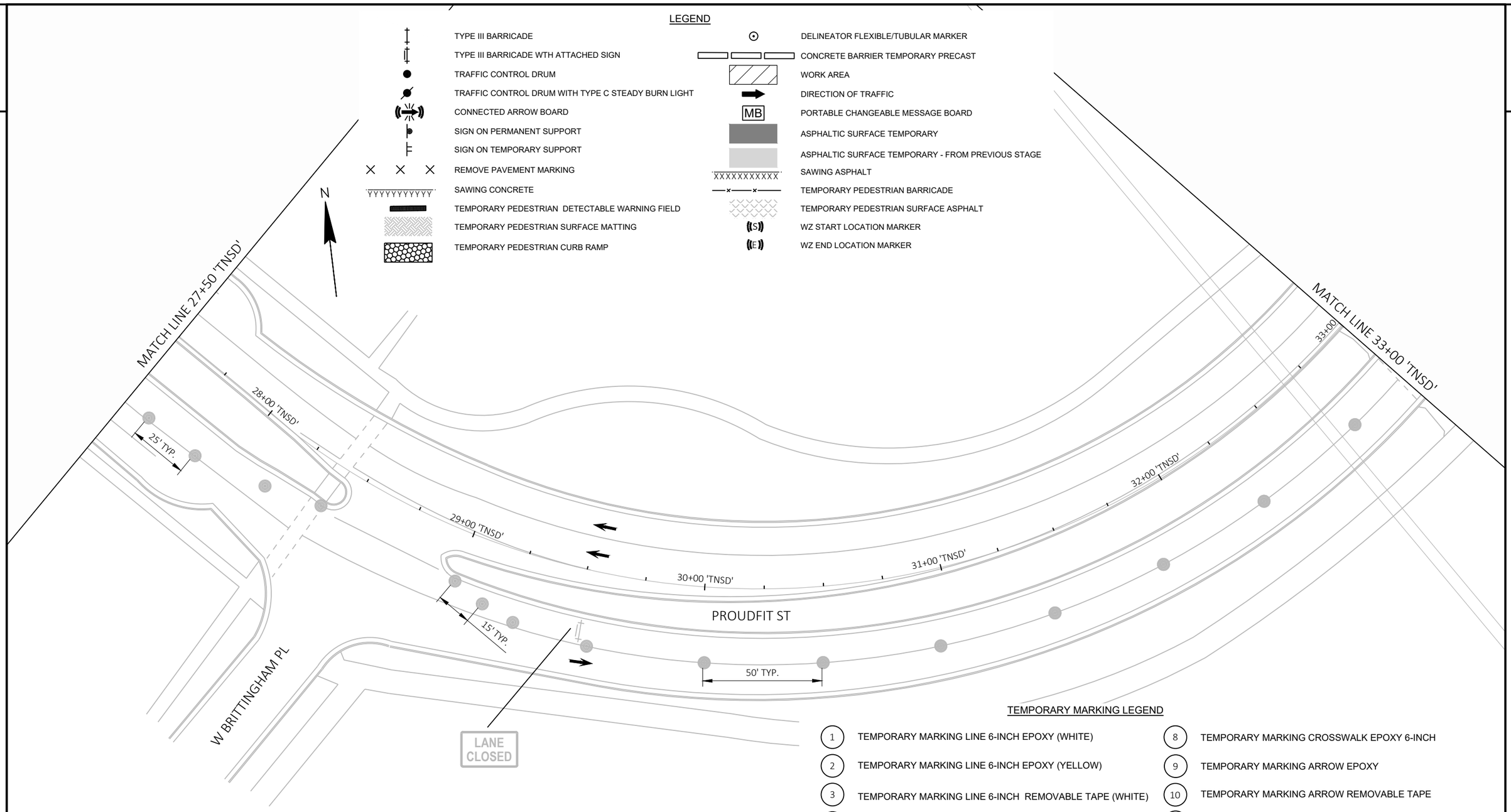
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

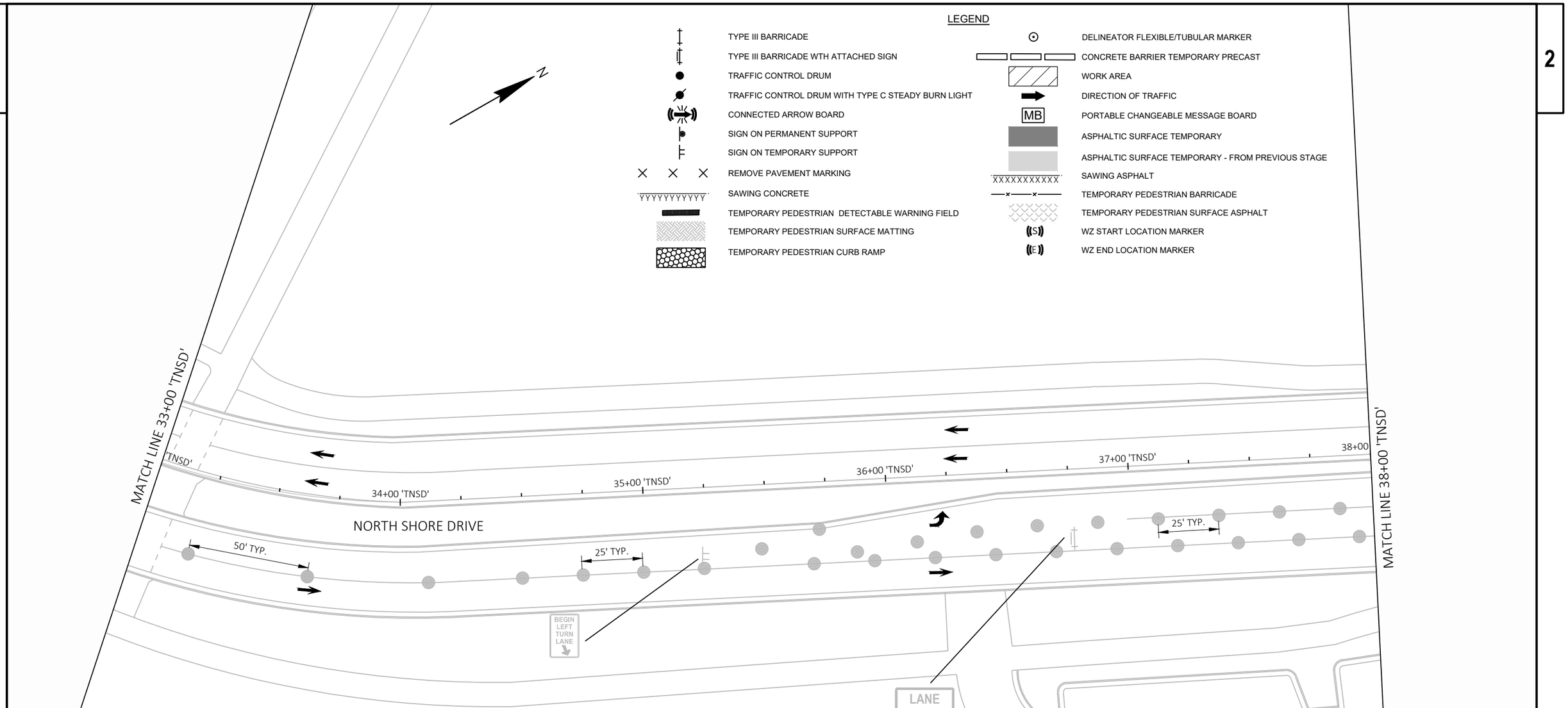
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 517 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 21

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 518	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 22

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

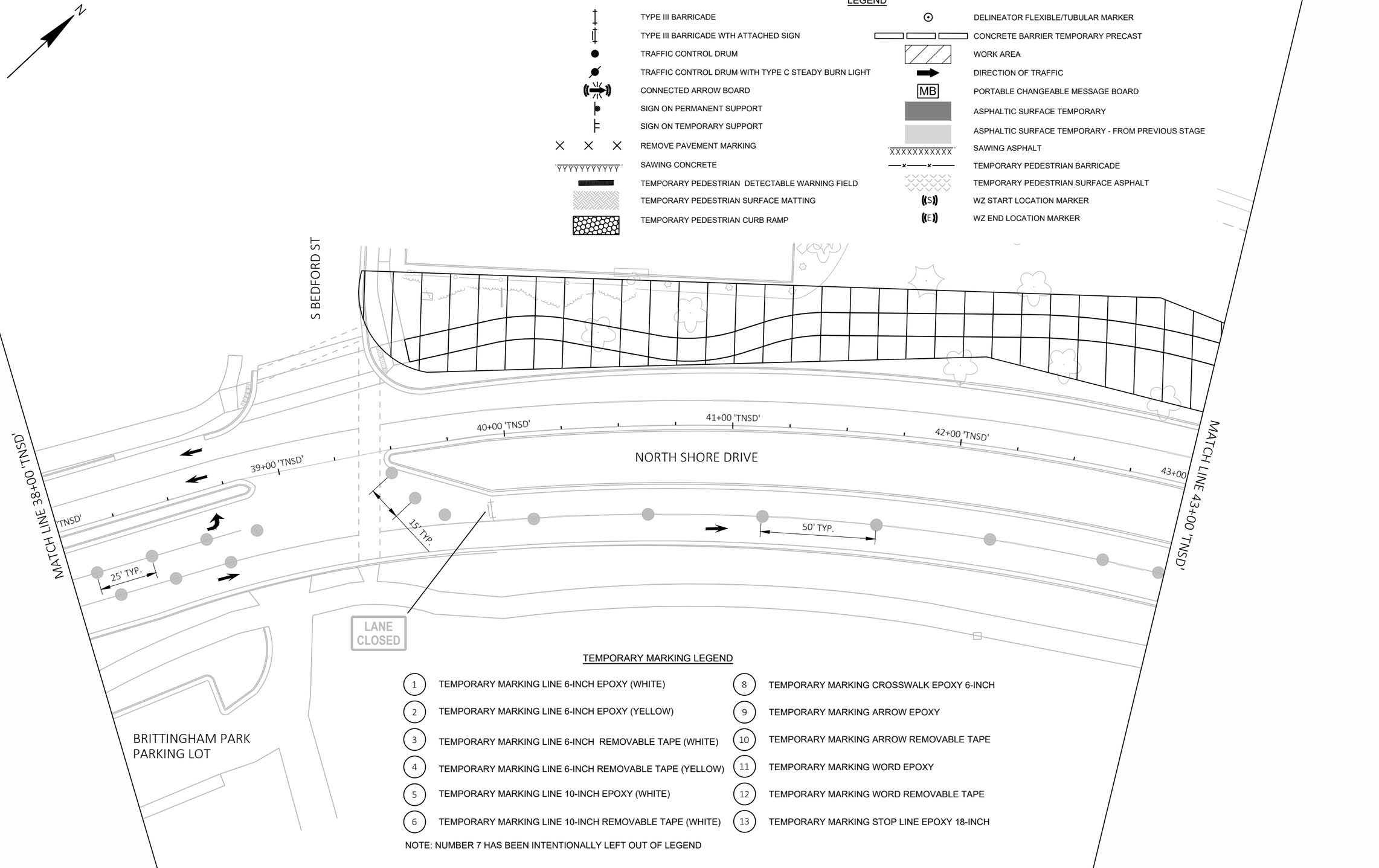
WISDOT/CADDS SHEET 42

2

2

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING	XXXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 519	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 23

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

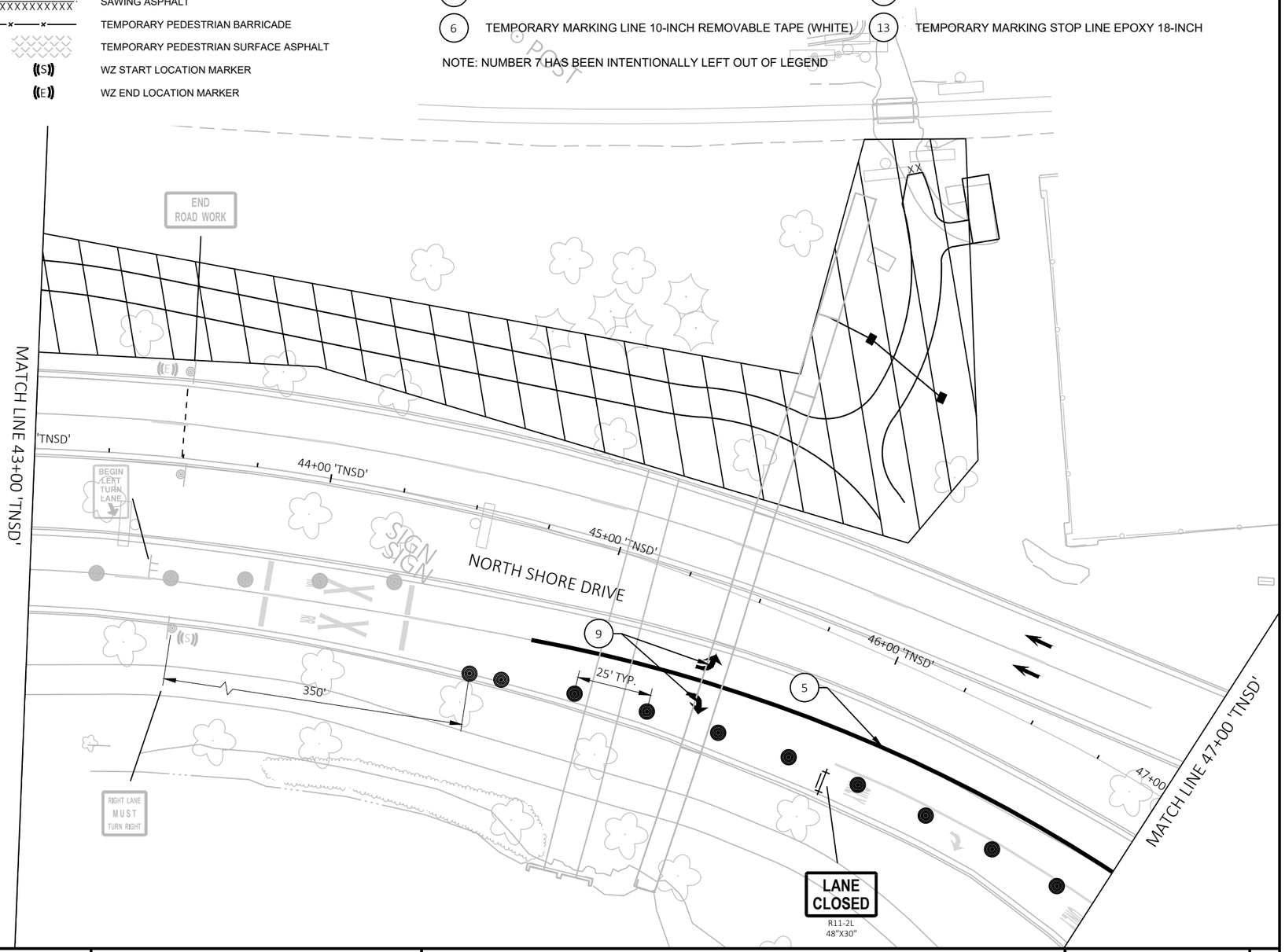
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

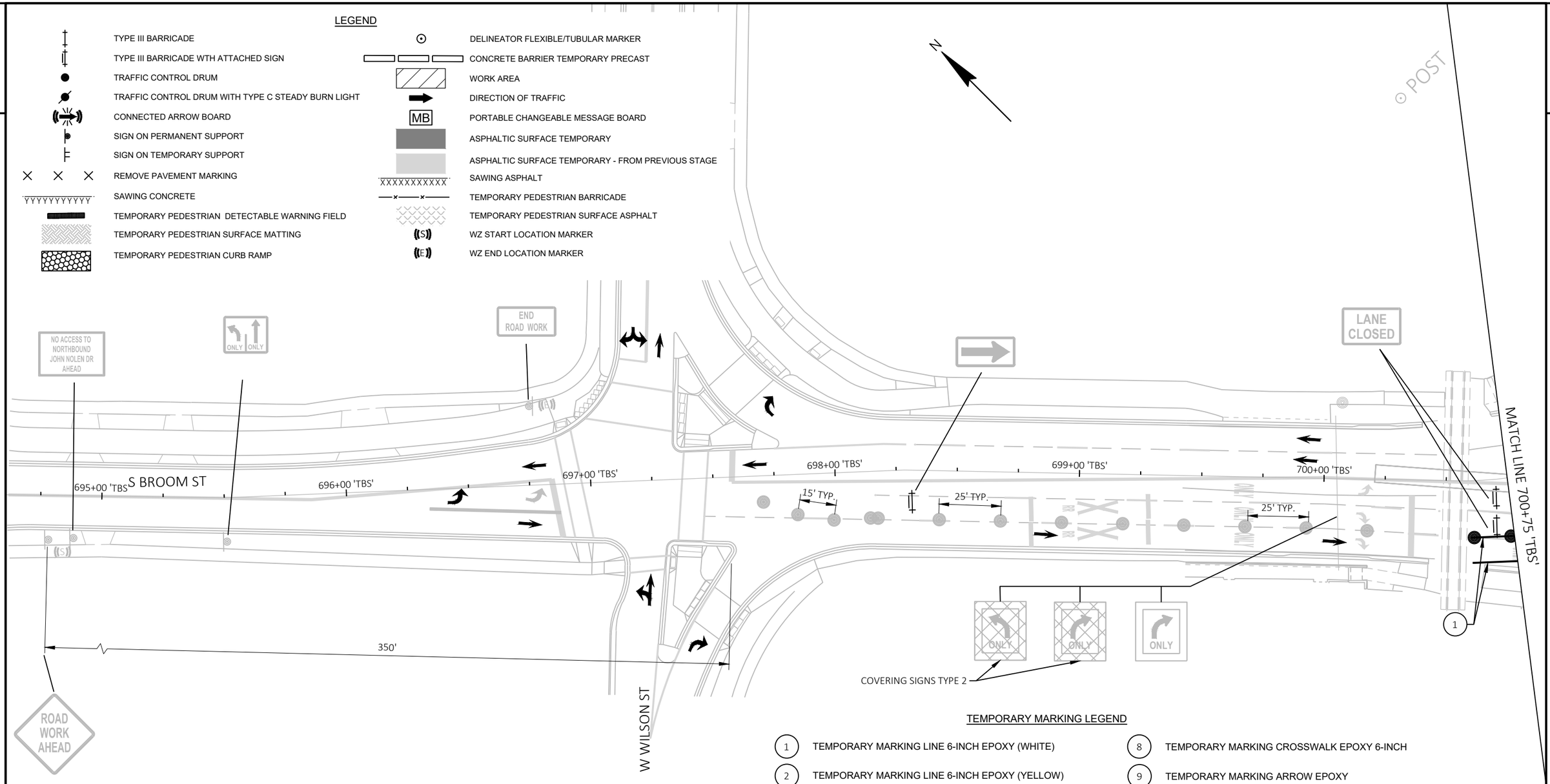


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 520	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2.DWG
LAYOUT NAME - 24
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

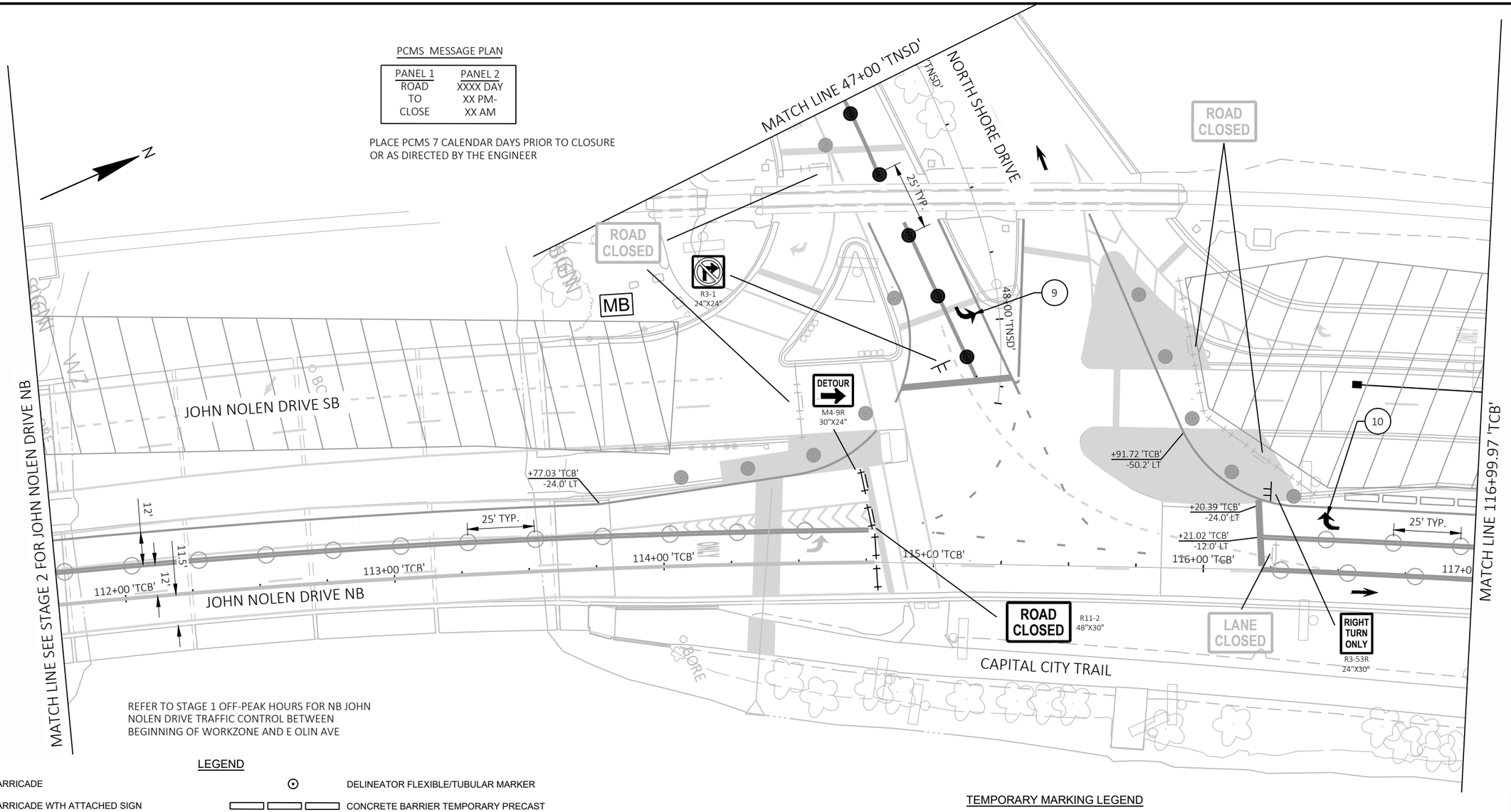
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 TRAFFIC CONTROL DETAILS	SHEET 521	E

PCMS MESSAGE PLAN

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXX DAY XX PM- XX AM

PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER



REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 522	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 2.DWG
LAYOUT NAME - 01
PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

MATCH LINE SEE STAGE 2

ROAD CLOSED AHEAD W20-3A

ROAD CLOSED 1/2 MILE W20-3G

PLACE AT E WILSON ST/JOHN NOLEN DRIVE INTERSECTION

PLACE AT MONONA TERRACE TUNNEL ENTRANCE

RIGHT TURN ONLY

ROAD CLOSED

ROAD CLOSED

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

S BROOM ST

701+00 'TBS'

702+00 'TBS'

+55.64 'TBS' 31.5' RT

15' TYP.

15' TYP.

25' TYP.

+06.26 'TCB' -25.2' LT

+03.26 'TCB' -12.0' LT

+65.94 'TCB' -12.0' LT

+99.96 'TCB' -11.5' LT

+43.81 'TCB' -24.0' LT

+43.78 'TCB' -11.5' LT

+39.63 'TCB' -21.7' LT

+63.11 'TCB' -11.0' LT

118+00 'TCB'

119+00 'TCB'

120+00 'TCB'

121+00 'TCB'

122+00 'TCB'

12'

12'

11'

+22.86 'TCB' 0.0'

MATCH LINE 116+99.97 'TCB'

MATCH LINE SEE STAGE 2 CB'

CAPITAL CITY TRAIL

SIGN

BORE

10

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 523	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 2.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

MATCH LINE 47+00 'TNSD'

47+00

46+00 'TNSD'

45+00 'TNSD'

44+00 'TNSD'

43+00 'TNSD'

42+00 'TNSD'

NORTH SHORE DRIVE

25' TYP.

SIGN

SIGN

12'

25' TYP.

ROAD CLOSED
R11-2
48"X30"

200'

WO1-6
48"X24"

WO1-4L

REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 524	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 2.DWG
LAYOUT NAME - 03

PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

S PARK ST (USH 151)

MAX. 10' WIDTH
W12-52
48"X48"

0.7 MILE AHEAD
WO57-52
48"X36"

USH 151

REGENT ST

MAX. 10' WIDTH
W12-52
48"X48"

W OLIN AVE

JOHN NOLEN DRIVE

PROJECT LOCATION
(WIDTH RESTRICTIONS)

USH 151

RIMROCK RD

MAX. 10' WIDTH
W12-52
48"X48"

0.7 MILE AHEAD
WO57-52
48"X36"

S BLAIR ST

E WASHINGTON AVE (USH 151)

MAX. 10' WIDTH
W12-52
48"X48"

MAX. 10' WIDTH
W12-52
48"X48"

USH 12/18

MAX. 10' WIDTH
W12-52
48"X48"

1 MILE AHEAD
WO57-52
48"X36"

USH 151

PROJECT NO: 5992-11-21, -28	JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B, 3, & 4 ADVANCE WARNING SIGNS	SHEET 525	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025102-TC-MAX WIDTH.DWG
LAYOUT NAME - 01

PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:2000 FT

WISDOT/CADDS SHEET 42

CLOSED SOUTH CHANNEL					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1-01	88+37.03 'NB'	100.78' LT	477393.27	820715.00	CLOSED AREA BUOY
1-02	88+71.03 'NB'	100.31' LT	477421.76	820696.45	CLOSED AREA BUOY
1-03	89+05.03 'NB'	99.83' LT	477450.25	820677.90	CLOSED AREA BUOY
1-04	89+03.12 'NB'	74.32' RT	477545.73	820823.55	CLOSED AREA BUOY
1-05	88+69.13 'NB'	73.84' RT	477517.24	820842.10	CLOSED AREA BUOY
1-06	88+35.13 'NB'	73.37' RT	477488.75	820860.65	CLOSED AREA BUOY

LEGEND

CLOSED AREA BUOY

STAGE 2 WORK ZONE

STAGE 3 WORK ZONE

N

2

2

91+00 'NB'

88+00 'NB'

JOHN NOLEN DRIVE NB

JOHN NOLEN DRIVE SB

WSOR

EXISTING RAILROAD PIER (TYP.)

EXISTING BRIDGE PIER (TYP.)

86+00 'NB'

PIER

PIER

CLOSED AREA

1-04

1-05

1-06

1-03

1-02

1-01

MONONA BAY

LAKE MONONA

84+00 'NB'

87+00 'NB'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B, 3 CLOSED TEMPORARY NAVIGABLE CHANNEL	SHEET 526	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025103-TC_TEMP NAVIGABLE CHANNEL.DWG
LAYOUT NAME - 01-Plan 1 IN 40 FT

PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

LEGEND

GREEN BUOY

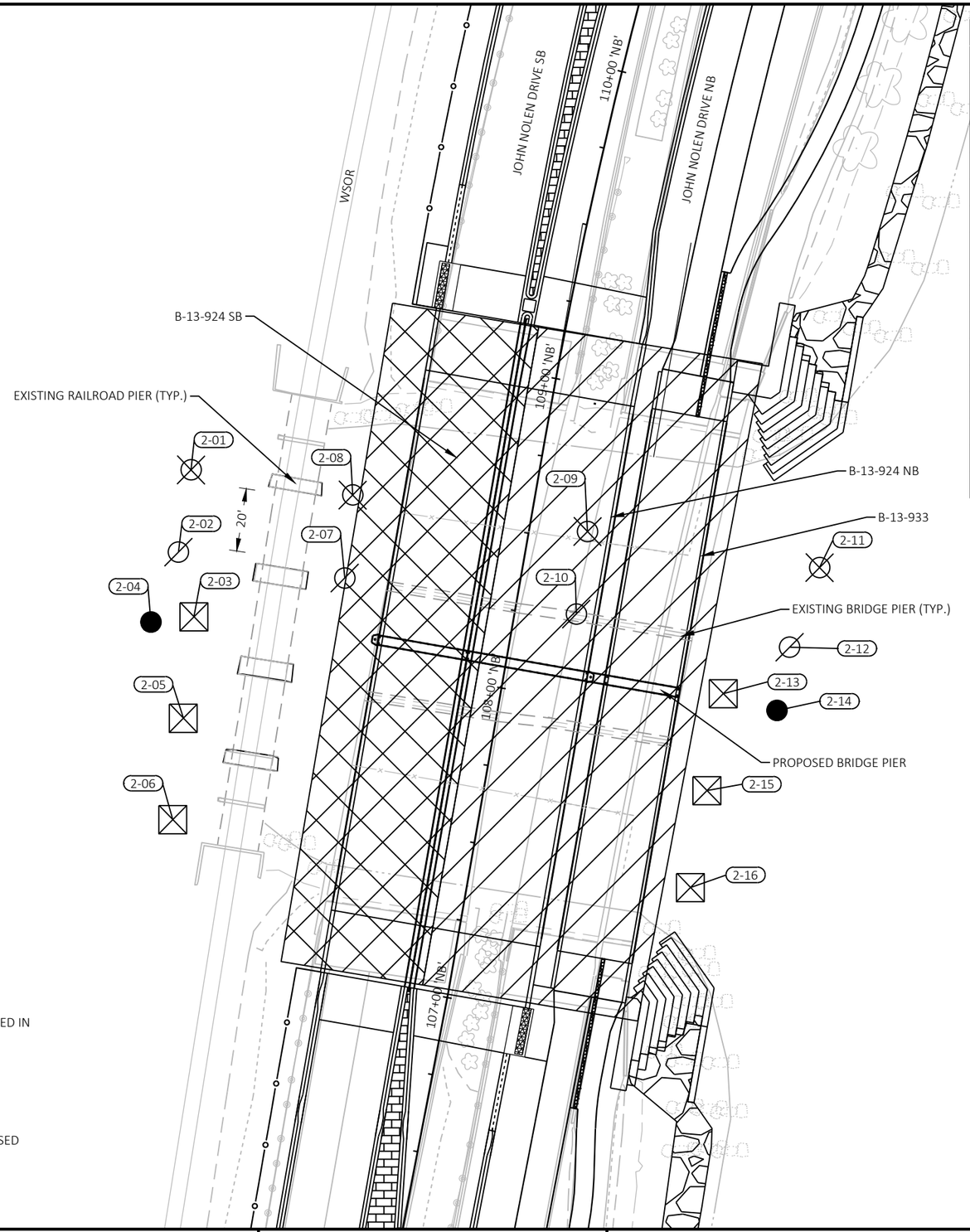
RED BUOY

DANGER BUOY

HAZARD BUOY - BRIDGE WORK

STAGE 2 WORK ZONE

STAGE 3 WORK ZONE



EXISTING "SLOW NO WAKE" BUOY TO REMAIN

EXISTING "SLOW NO WAKE" BUOY TO REMAIN

TEMP MARKERS

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
2-01	108+51.35 'NB'	109.35' LT	479364.39	820431.11	RED BUOY
2-02	108+24.88 'NB'	108.79' LT	479338.21	820427.10	GREEN BUOY
2-03	108+05.51 'NB'	100.36' LT	479317.69	820432.07	DANGER BUOY
2-04	108+01.41 'NB'	113.60' LT	479315.92	820418.32	HAZARD BUOY
2-05	107+73.12 'NB'	98.12' LT	479285.40	820428.70	DANGER BUOY
2-06	107+40.73 'NB'	95.88' LT	479253.10	820425.33	DANGER BUOY
2-07	108+25.90 'NB'	55.22' LT	479329.99	820480.05	GREEN BUOY
2-08	108+52.33 'NB'	57.27' LT	479356.39	820482.58	RED BUOY
2-09	108+53.77 'NB'	18.38' RT	479344.77	820557.34	RED BUOY
2-10	108+27.30 'NB'	19.38' RT	479318.52	820553.77	GREEN BUOY
2-11	108+55.17 'NB'	93.14' RT	479333.28	820631.23	RED BUOY
2-12	108+28.59 'NB'	88.09' RT	479307.97	820621.67	GREEN BUOY
2-13	108+10.44 'NB'	69.86' RT	479293.23	820600.59	DANGER BUOY
2-14	108+08.06 'NB'	87.60' RT	479287.82	820617.66	HAZARD BUOY
2-15	107+79.14 'NB'	70.05' RT	479262.35	820595.38	DANGER BUOY
2-16	107+47.83 'NB'	70.23' RT	479231.48	820590.18	DANGER BUOY

NOTE:

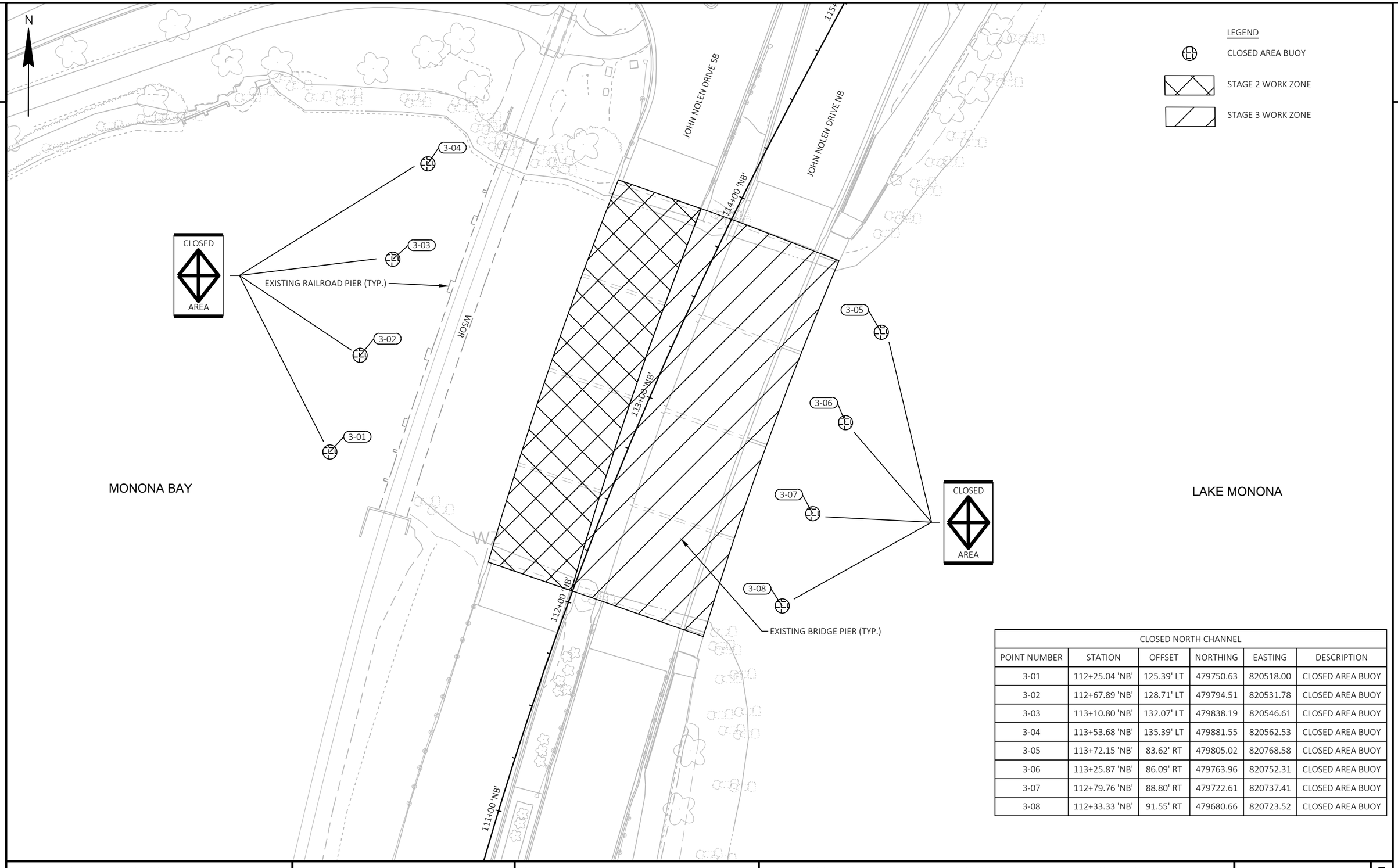
- PROVIDE ONE 20-FT WIDE NAVIGATION CHANNEL AT ALL TIMES AS SPECIFIED IN SPECIAL PROVISIONS.
- NAVIGATION CHANNEL MUST BE A STRAIGHT PATH THROUGH THE CONSTRUCTION ZONE.
- NAVIGATION CHANNEL MAY MOVE LOCATION IN CONJUNCTION WITH THE CONSTRUCTION OPERATIONS.
- PLACE NAVIGATION CHANNEL BUOYS EVERY 50-FT ALONG CHANNEL BOUNDARY.
- PLACE DANGER BUOYS AT EXISTING NAVIGATION CHANNELS NOT BEING USED AS SHOWN.
- BUOYS SHALL HAVE REFLECTIVE TAPE.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B, 3 TEMPORARY NAVIGABLE CHANNEL	SHEET 527	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025103-TC_TEMP NAVIGABLE CHANNEL.DWG
LAYOUT NAME - 02-Plan 1 IN 40 FT

PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

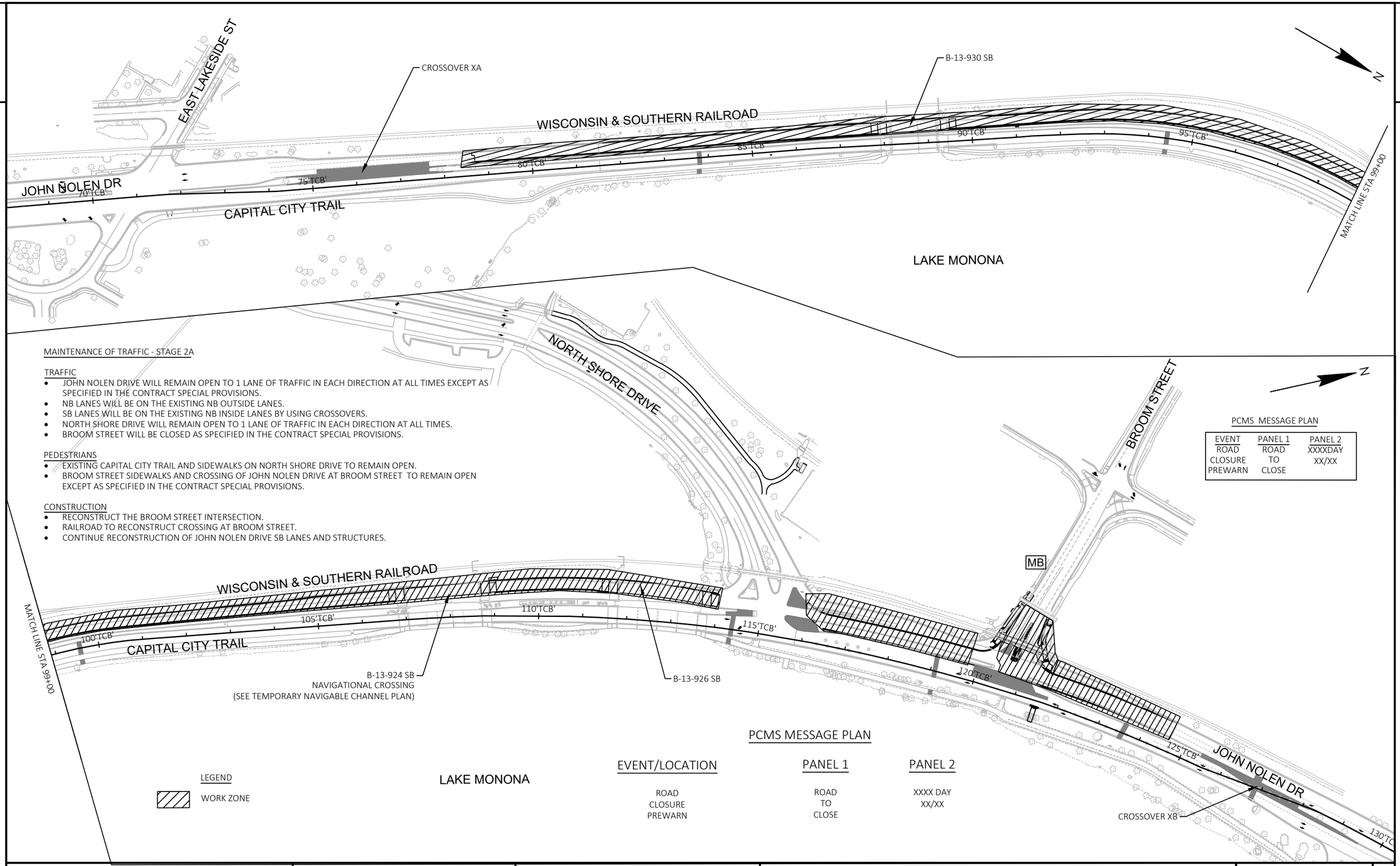
WISDOT/CADDS SHEET 42



CLOSED NORTH CHANNEL					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
3-01	112+25.04 'NB'	125.39' LT	479750.63	820518.00	CLOSED AREA BUOY
3-02	112+67.89 'NB'	128.71' LT	479794.51	820531.78	CLOSED AREA BUOY
3-03	113+10.80 'NB'	132.07' LT	479838.19	820546.61	CLOSED AREA BUOY
3-04	113+53.68 'NB'	135.39' LT	479881.55	820562.53	CLOSED AREA BUOY
3-05	113+72.15 'NB'	83.62' RT	479805.02	820768.58	CLOSED AREA BUOY
3-06	113+25.87 'NB'	86.09' RT	479763.96	820752.31	CLOSED AREA BUOY
3-07	112+79.76 'NB'	88.80' RT	479722.61	820737.41	CLOSED AREA BUOY
3-08	112+33.33 'NB'	91.55' RT	479680.66	820723.52	CLOSED AREA BUOY

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2, 2A, 2B, 3 CLOSED TEMPORARY NAVIGABLE CHANNEL	SHEET 528	E

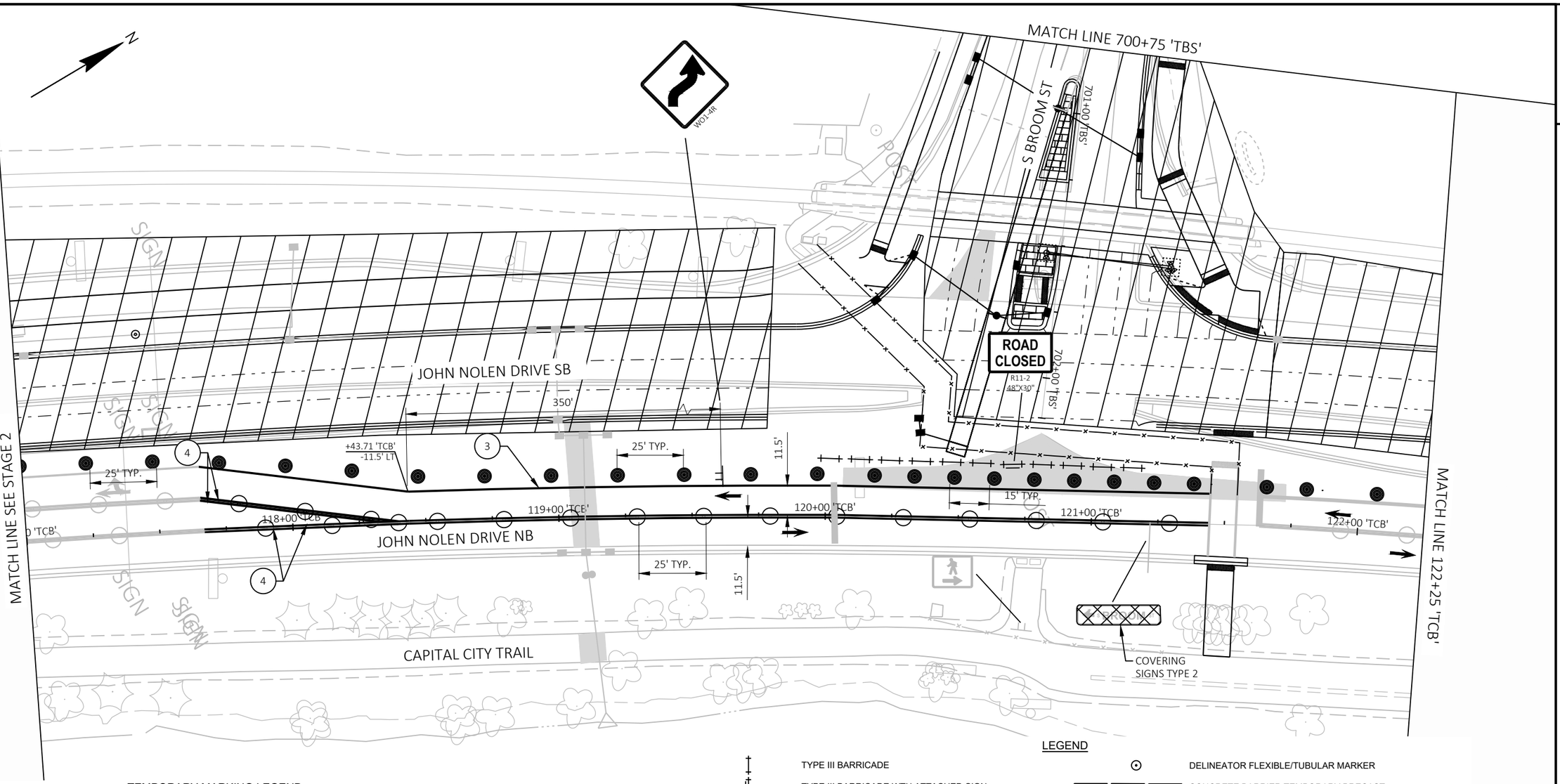
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025103-TC_TEMP NAVIGABLE CHANNEL.DWG
LAYOUT NAME - 03-Plan 1 IN 40 FT
PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A OVERVIEW	SHEET 529	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

2



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

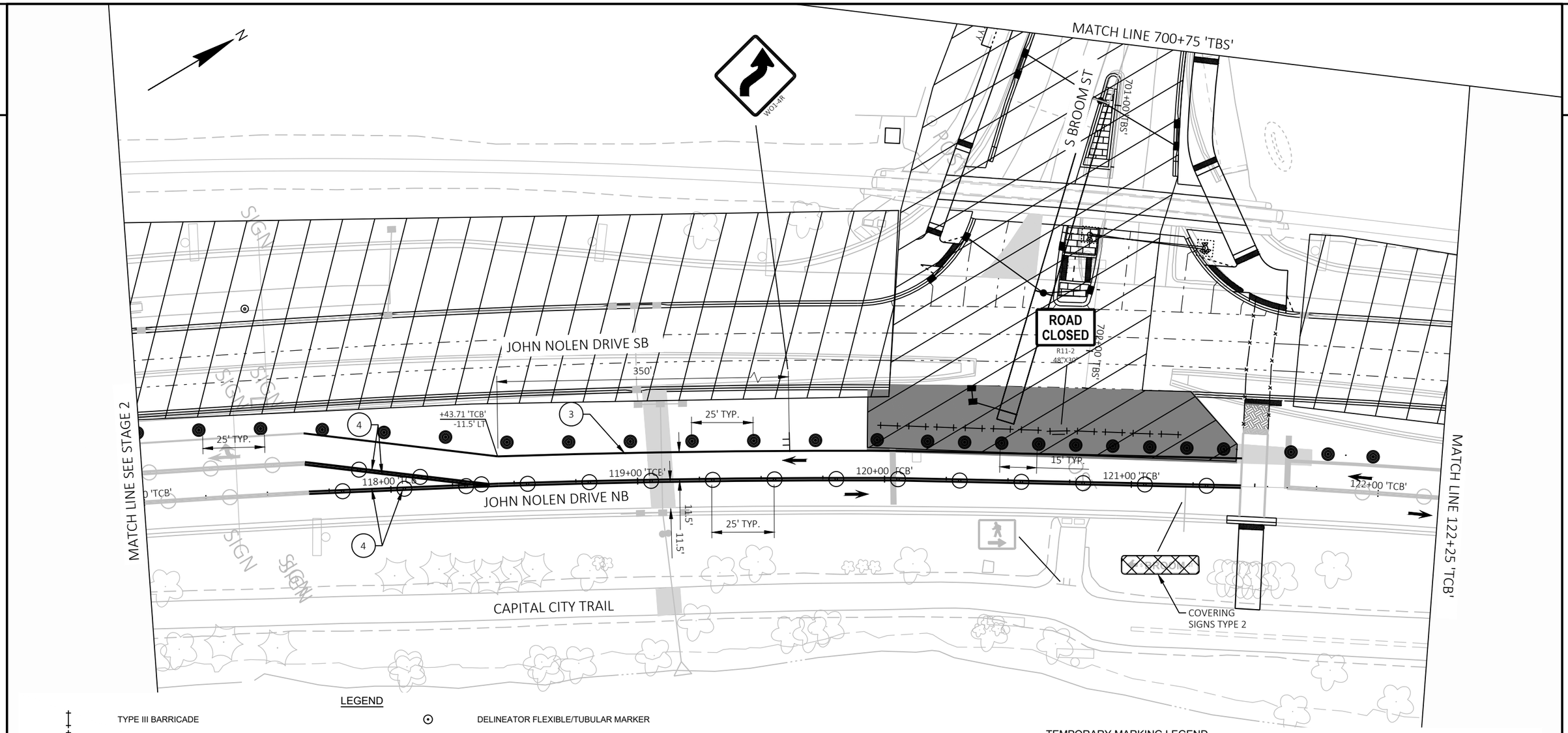
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
X X X	REMOVE PAVEMENT MARKING	XXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A TRAFFIC CONTROL DETAILS (PED ACCOMMODATION DETAIL 1)	SHEET 530 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A.DWG
LAYOUT NAME - 12
PLOT DATE : 6/20/2025 8:13 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A TRAFFIC CONTROL DETAILS(PED ACCOMMODATION DETAIL 2)	SHEET 531	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A.DWG
LAYOUT NAME - 13
PLOT DATE : 6/20/2025 8:13 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

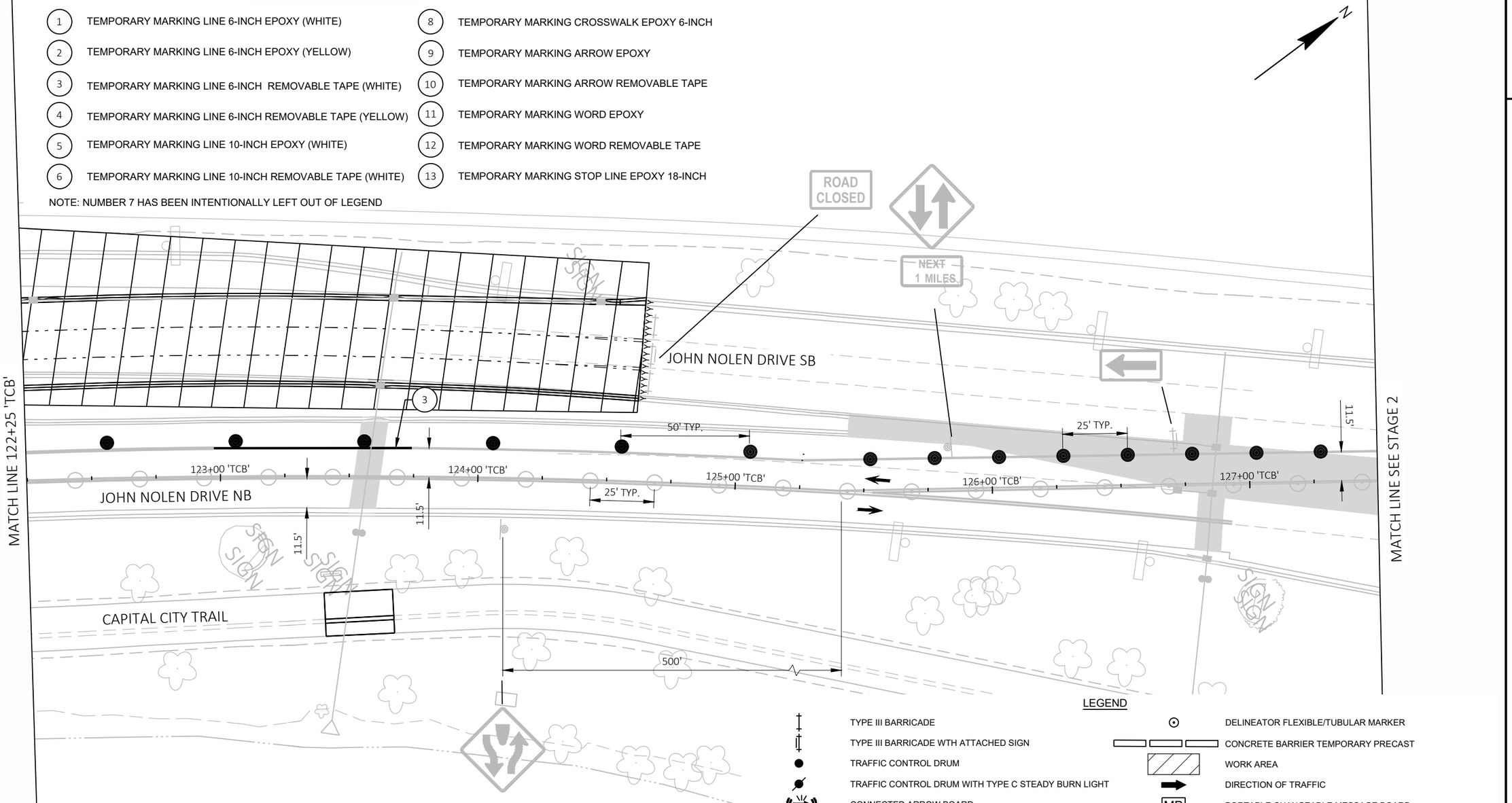
2

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A TRAFFIC CONTROL DETAILS	SHEET 532	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A.DWG
LAYOUT NAME - 14
PLOT DATE : 6/20/2025 8:13 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

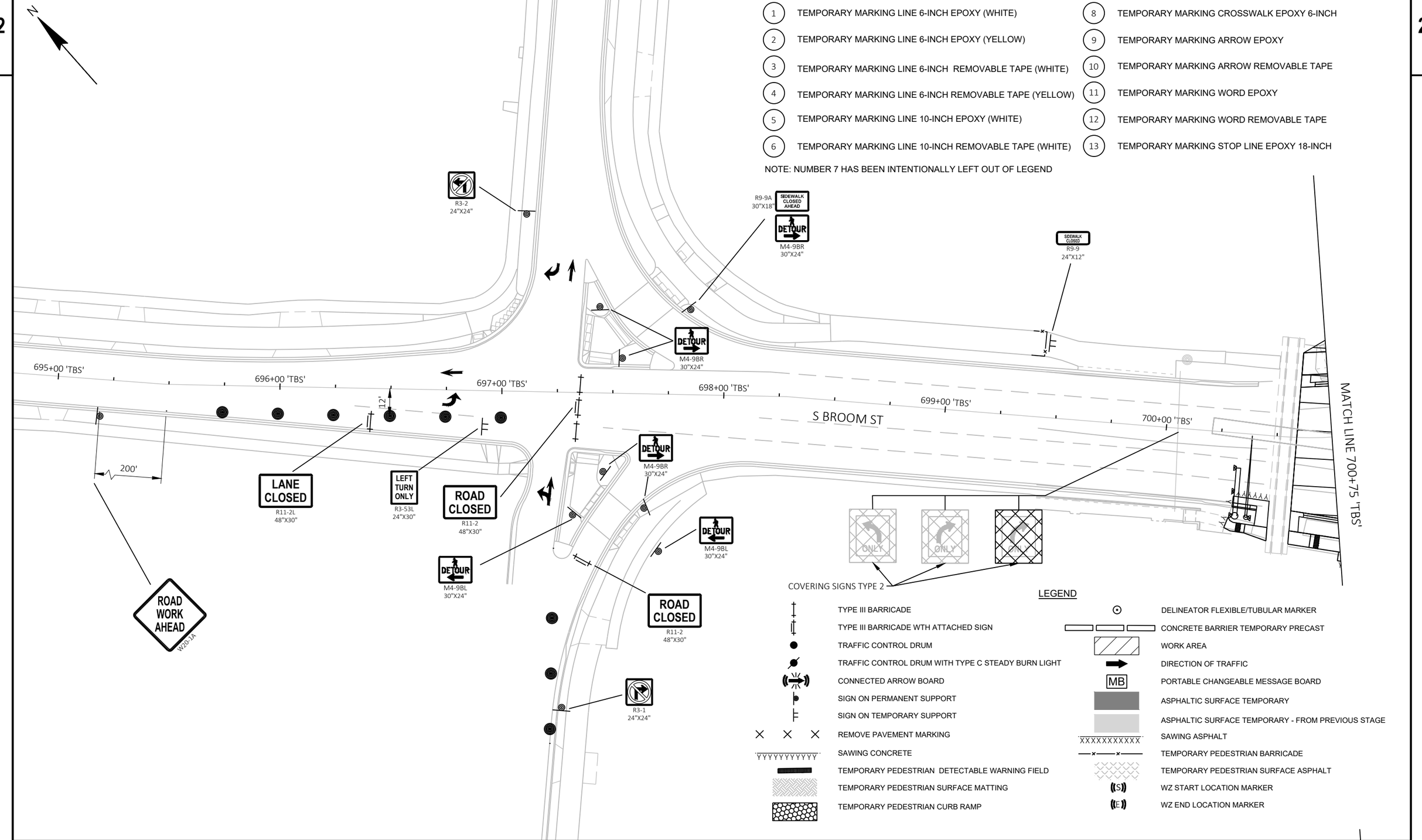
2

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A TRAFFIC CONTROL DETAILS(PED ACCOMMODATION DETAIL 1)	SHEET 533	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A.DWG
LAYOUT NAME - 15

PLOT DATE : 6/20/2025 8:13 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

695+00 'TBS'
696+00 'TBS'
697+00 'TBS'
698+00 'TBS'
699+00 'TBS'
700+00 'TBS'
S BROOM ST
MATCH LINE 700+75 'TBS'
12'
200'
25' TYP.

R3-2
24"X24"

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

DETOUR
M4-9BR
30"X24"

DETOUR
M4-9BR
30"X24"

LANE CLOSED
R11-2L
48"X30"

LEFT TURN ONLY
R3-53L
24"X30"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BL
30"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD WORK AHEAD
W20-1A

R3-1
24"X24"

ONLY
ONLY
ONLY

COVERING SIGNS TYPE 2

SIDEWALK CLOSED
R9-9
24"X12"

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A TRAFFIC CONTROL DETAILS (PED ACCOMMODATION DETAIL 2)	SHEET 534	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2A.DWG
LAYOUT NAME - 16
PLOT DATE : 6/20/2025 8:13 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

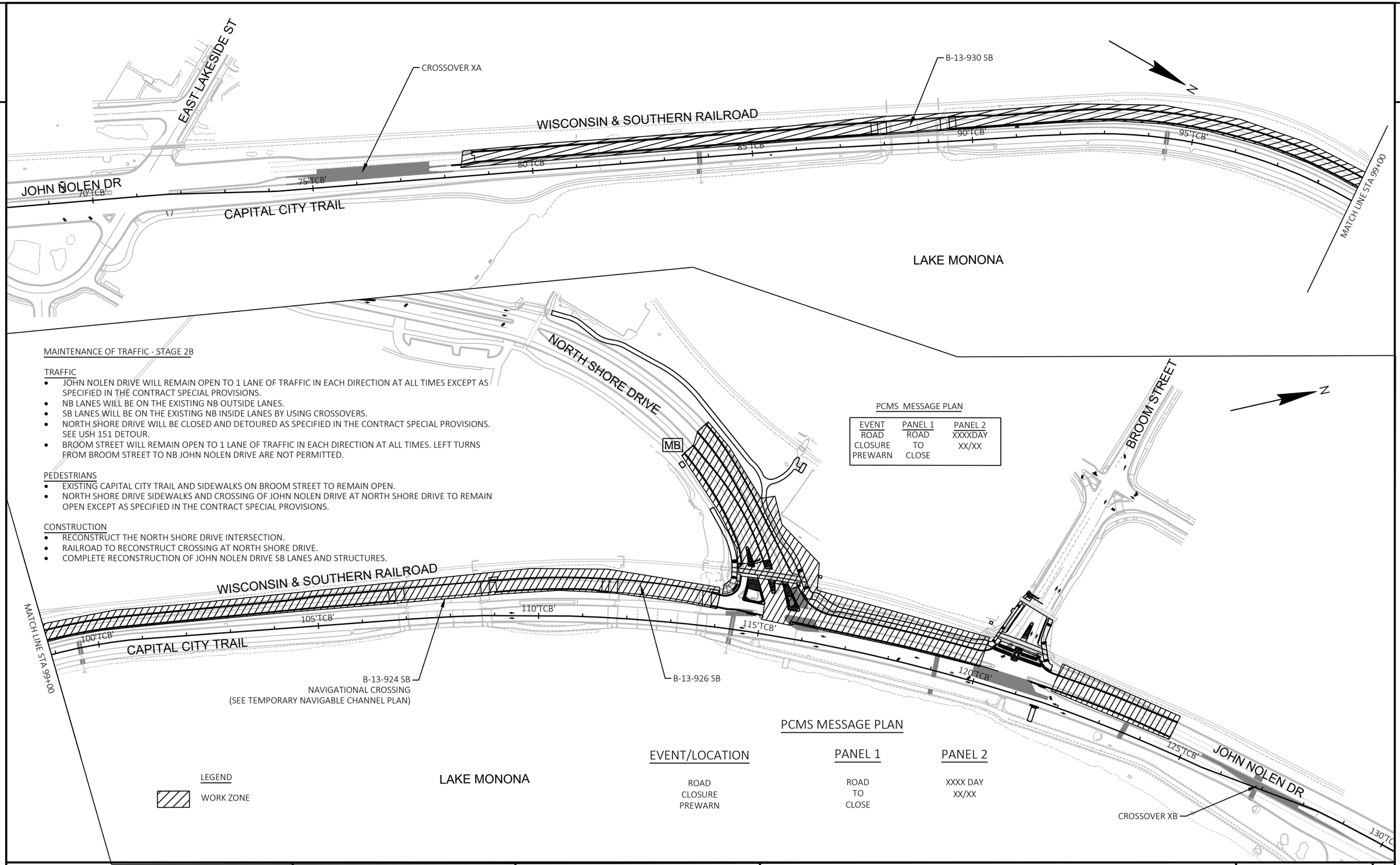


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2A PEDESTRIAN DETOUR	SHEET 535	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-PED - BROOM ST_RR CLOSURE.DWG
LAYOUT NAME - DETOUR PATH OVERVIEW-BS

PLOT DATE : 6/20/2025 8:14 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



MAINTENANCE OF TRAFFIC - STAGE 2B

TRAFFIC
- JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- NB LANES WILL BE ON THE EXISTING NB OUTSIDE LANES.
- SB LANES WILL BE ON THE EXISTING NB INSIDE LANES BY USING CROSSOVERS.
- NORTH SHORE DRIVE WILL BE CLOSED AND DETOURED AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS. SEE USH 151 DETOUR.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE ARE NOT PERMITTED.

PEDESTRIANS
- EXISTING CAPITAL CITY TRAIL AND SIDEWALKS ON BROOM STREET TO REMAIN OPEN.
- NORTH SHORE DRIVE SIDEWALKS AND CROSSING OF JOHN NOLEN DRIVE AT NORTH SHORE DRIVE TO REMAIN OPEN EXCEPT AS SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.

CONSTRUCTION
- RECONSTRUCT THE NORTH SHORE DRIVE INTERSECTION.
- RAILROAD TO RECONSTRUCT CROSSING AT NORTH SHORE DRIVE.
- COMPLETE RECONSTRUCTION OF JOHN NOLEN DRIVE SB LANES AND STRUCTURES.

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
ROAD CLOSURE PREWARN	ROAD TO CLOSE	XXXXDAY XX/XX

LEGEND

WORK ZONE

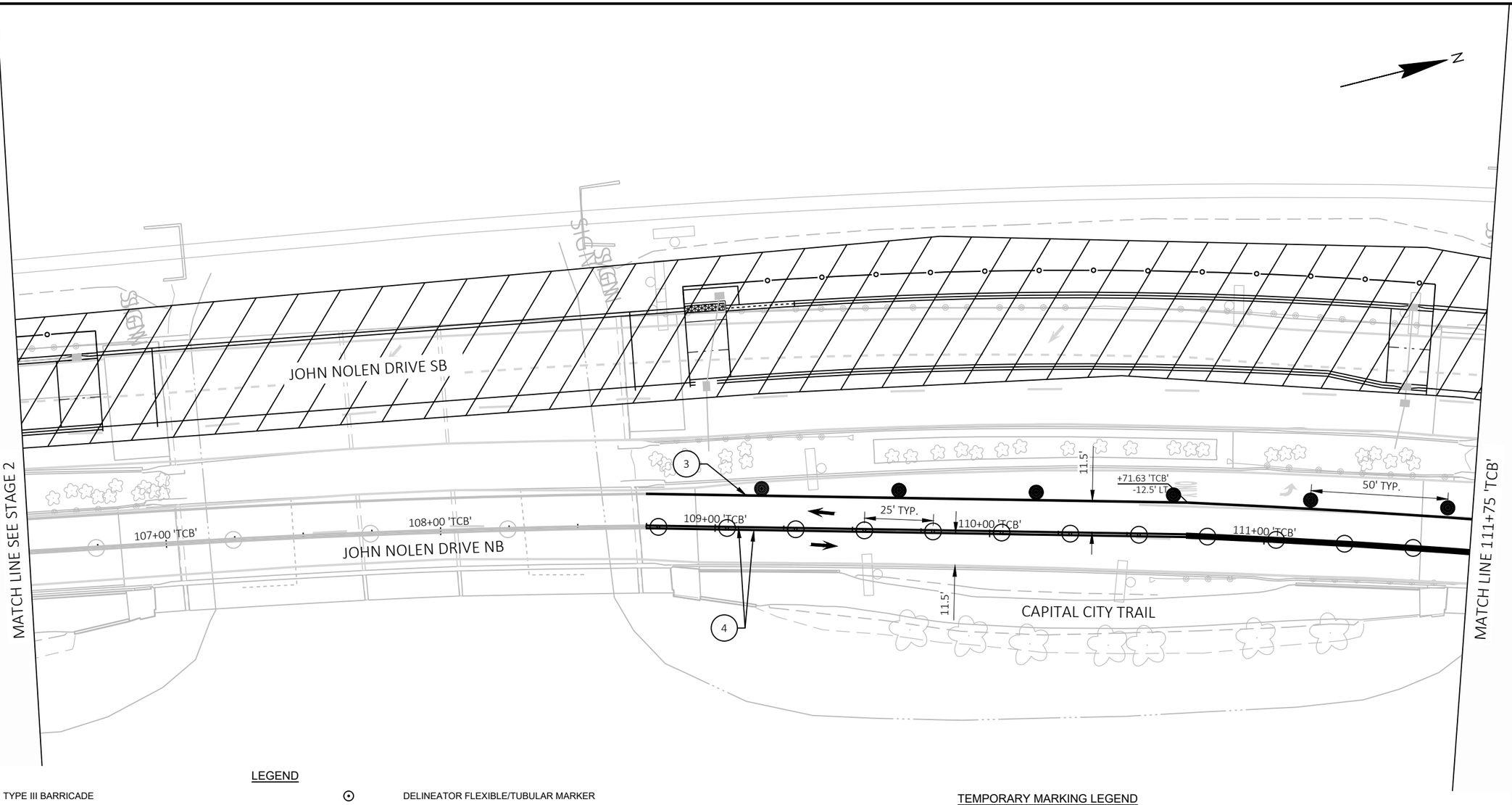
PCMS MESSAGE PLAN

EVENT/LOCATION	PANEL 1	PANEL 2
ROAD CLOSURE PREWARN	ROAD TO CLOSE	XXXX DAY XX/XX

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B OVERVIEW	SHEET 536	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 6/20/2025 8:15 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2



LEGEND

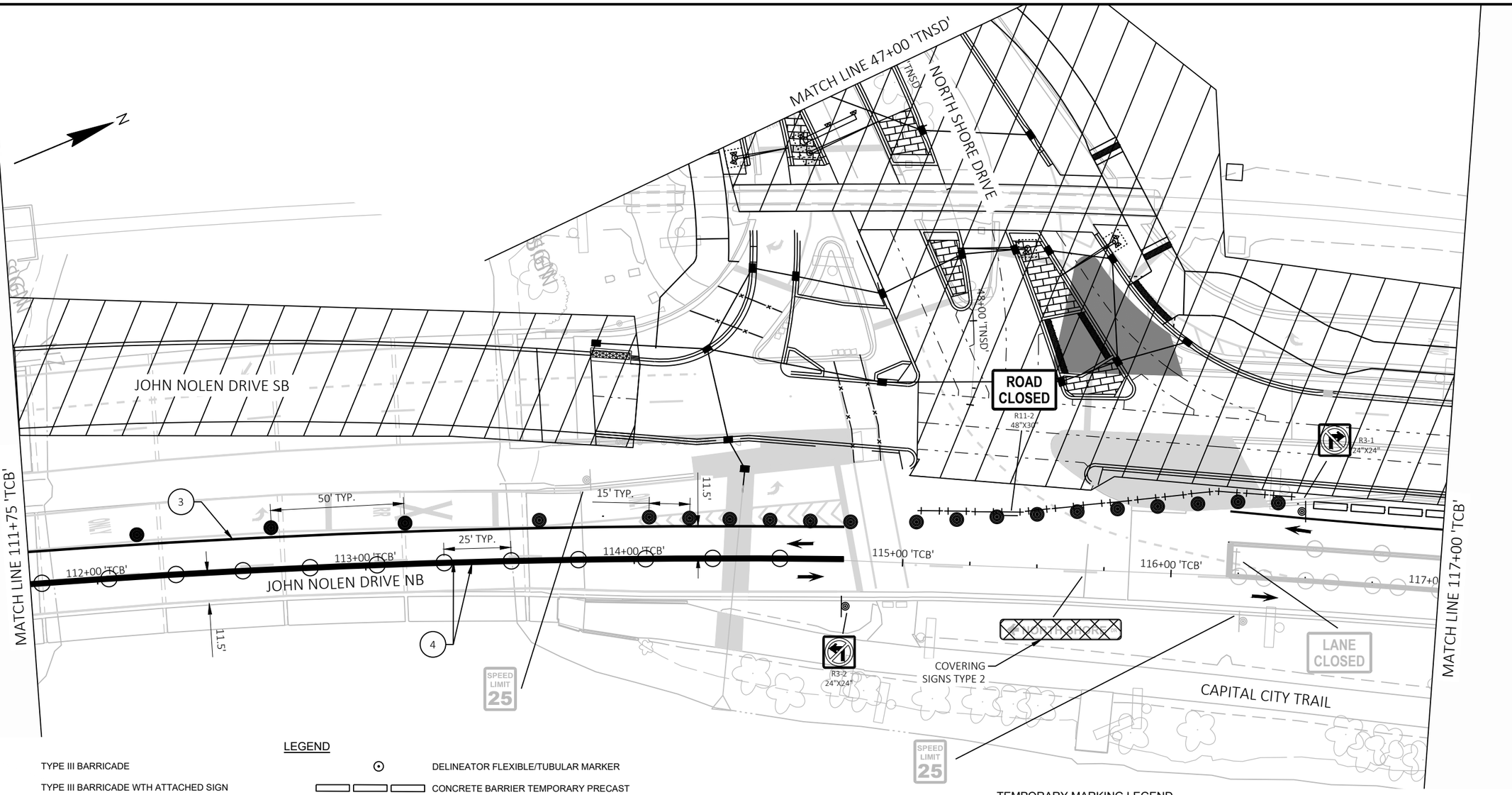
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

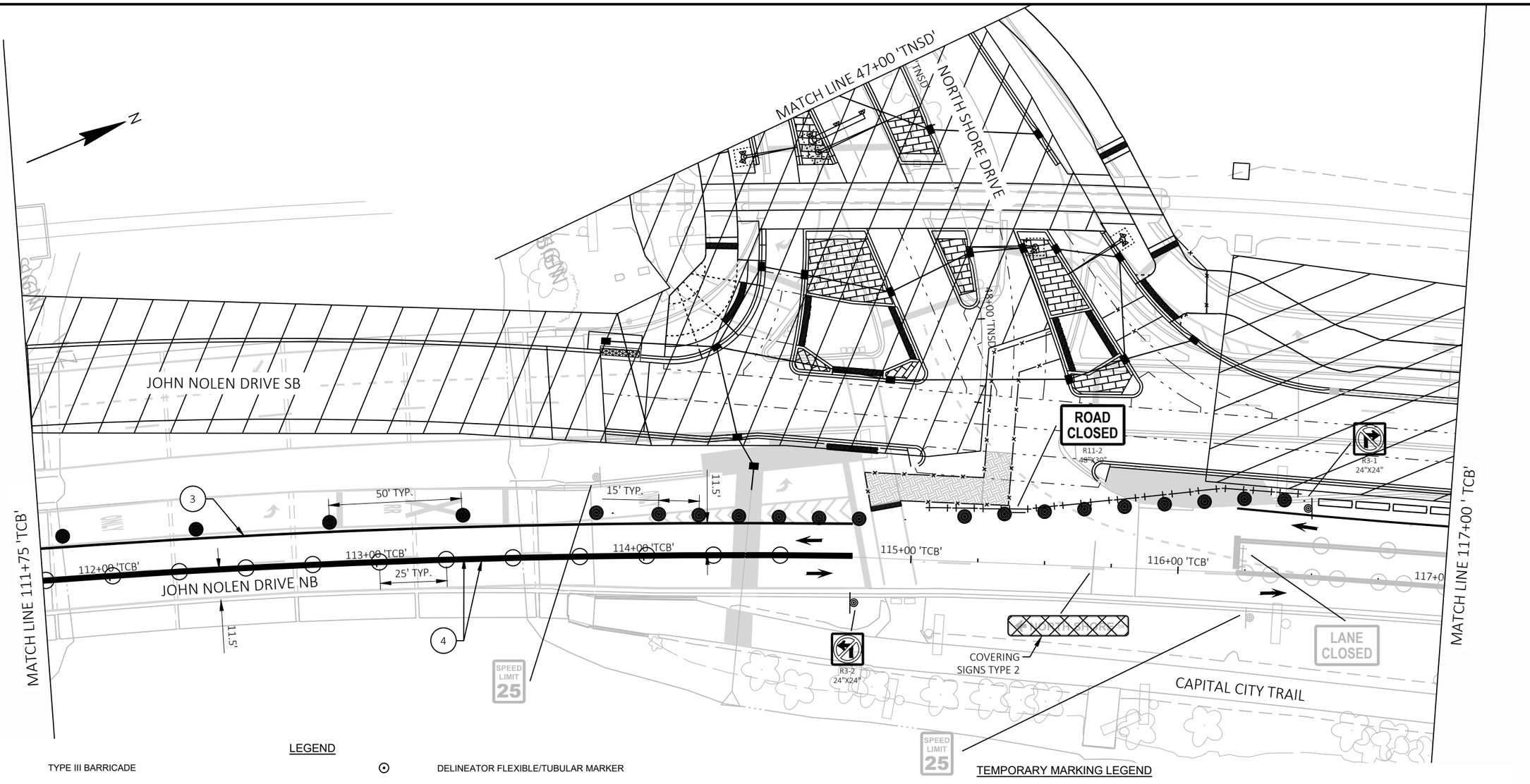
1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS(PED ACCOMMODATION DETAIL 1)	SHEET 538	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 11
PLOT DATE : 6/20/2025 8:15 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

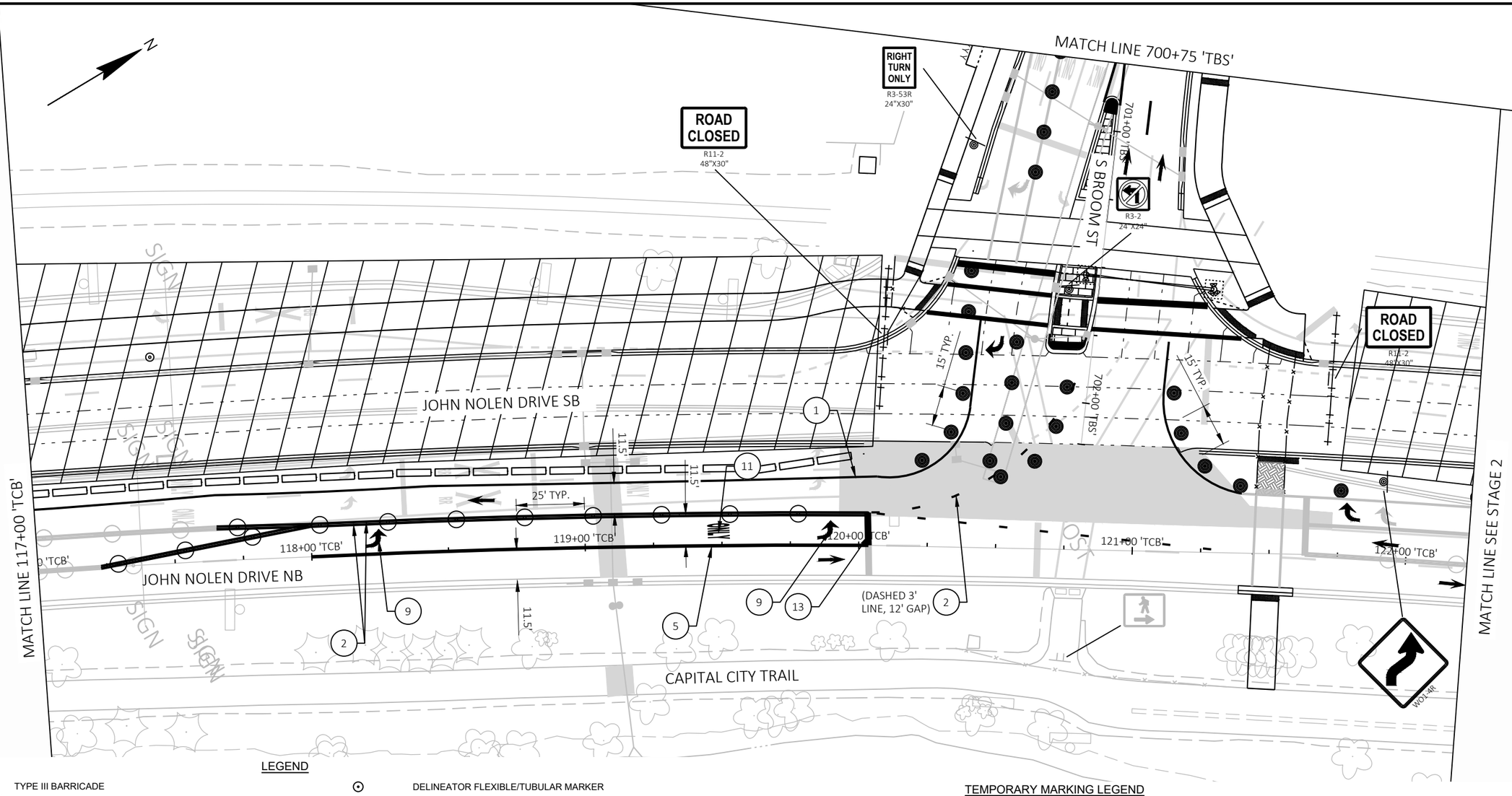
1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS(PED ACCOMMODATION DETAIL 2)	SHEET 539	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 12
PLOT DATE : 6/20/2025 8:15 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

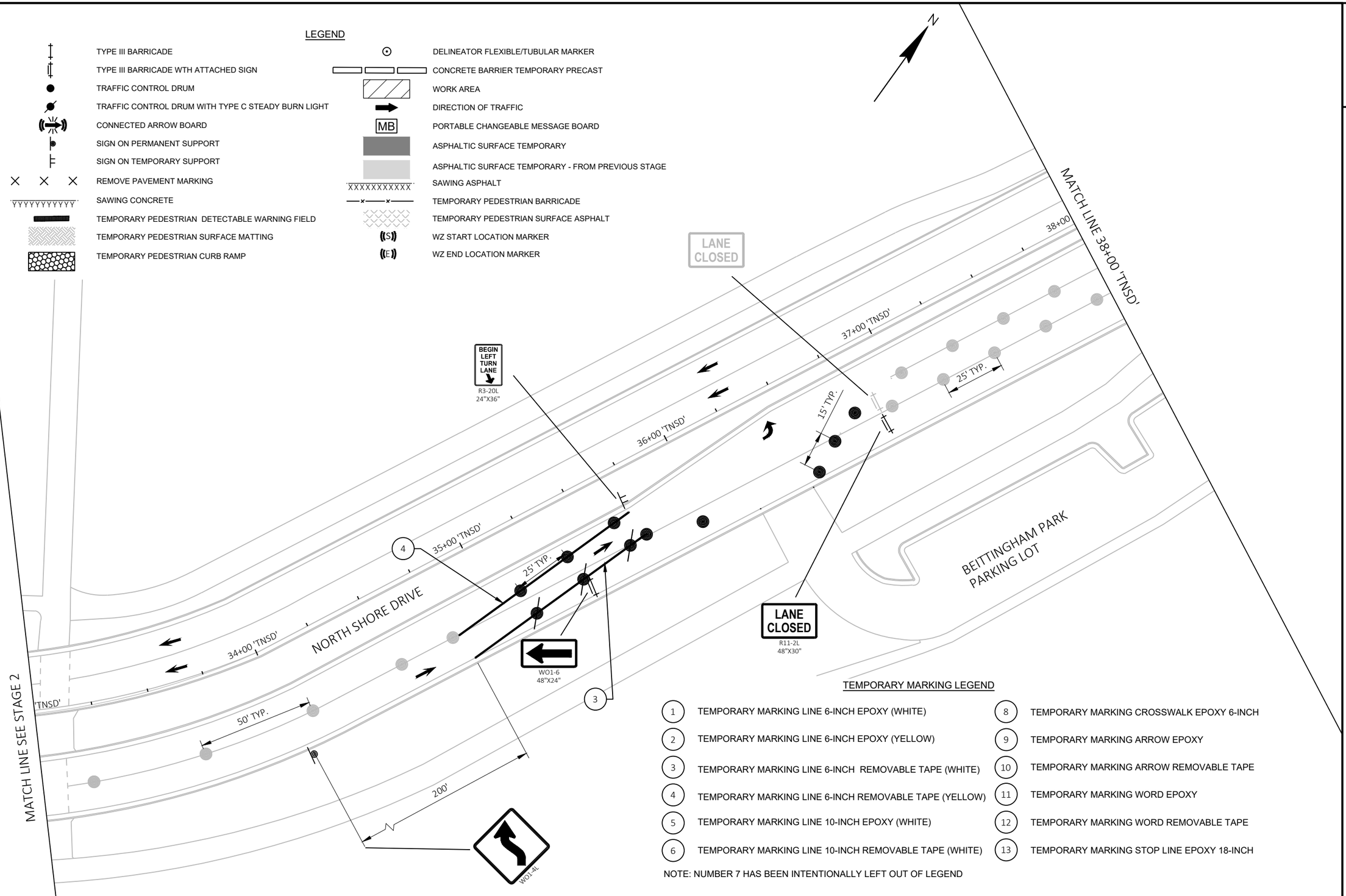
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS	SHEET 540	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 13
PLOT DATE : 6/20/2025 8:16 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

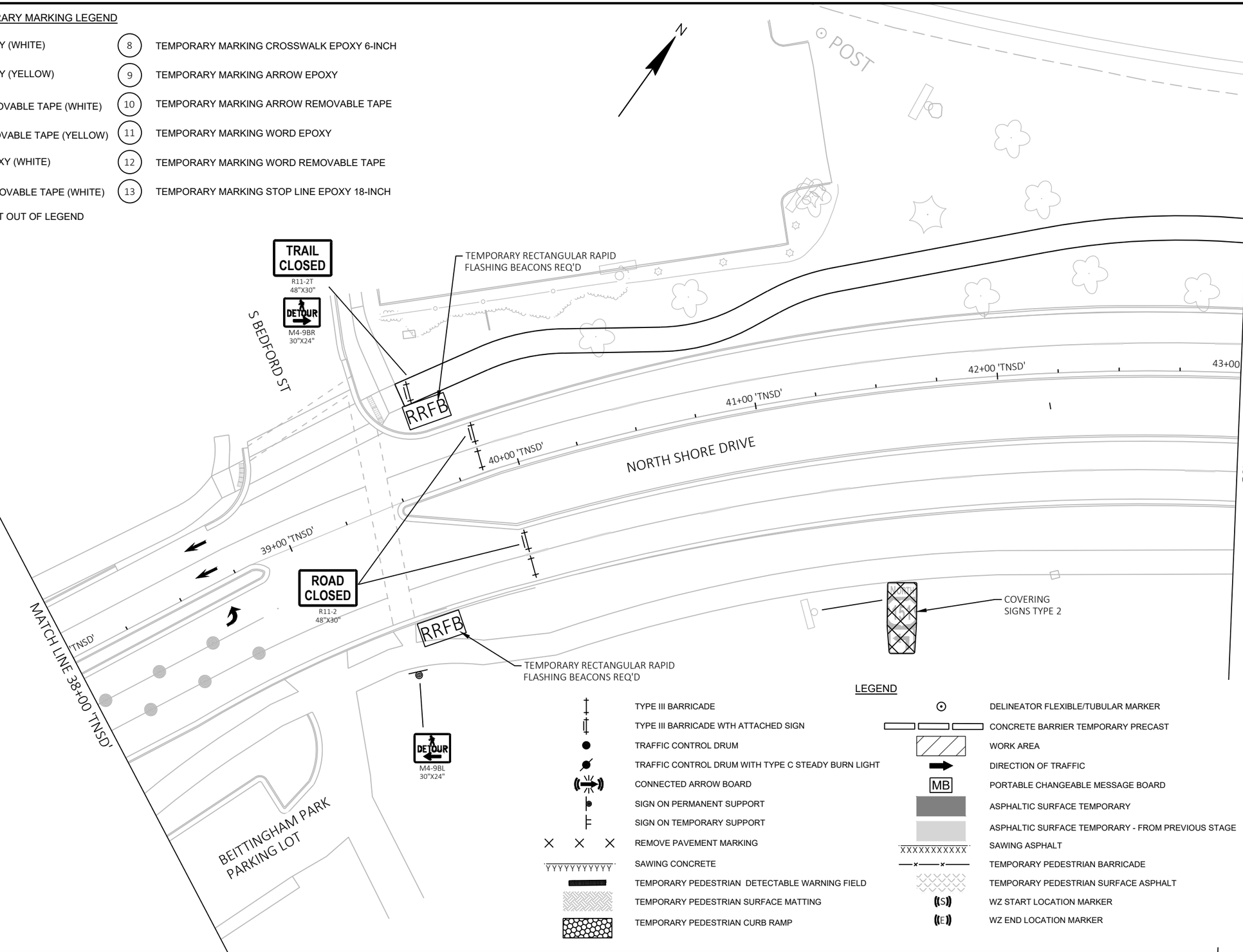
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

2

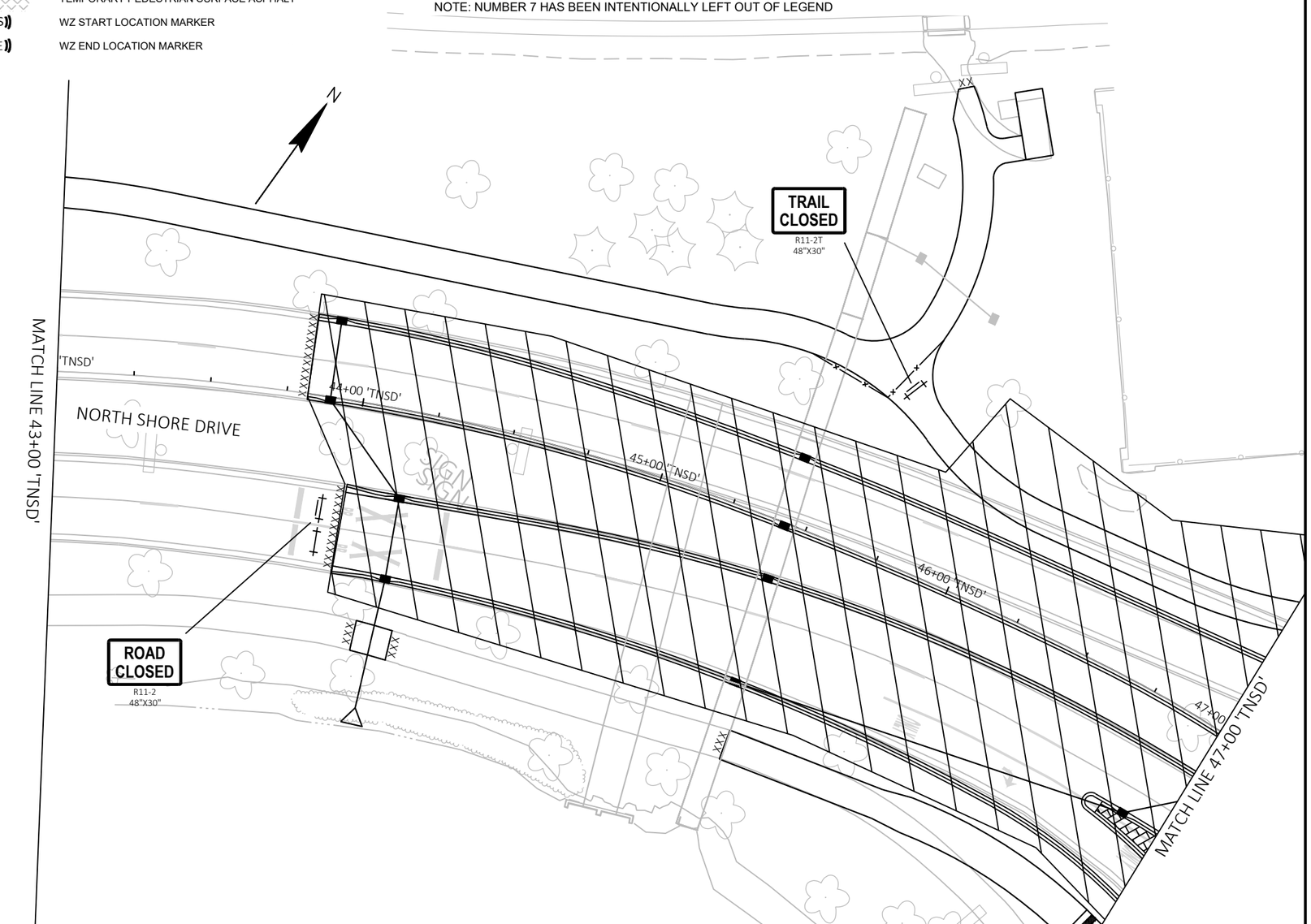
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS(PED ACCOMMODATION DETAIL 1)	SHEET 543	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 15

PLOT DATE : 6/20/2025 8:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

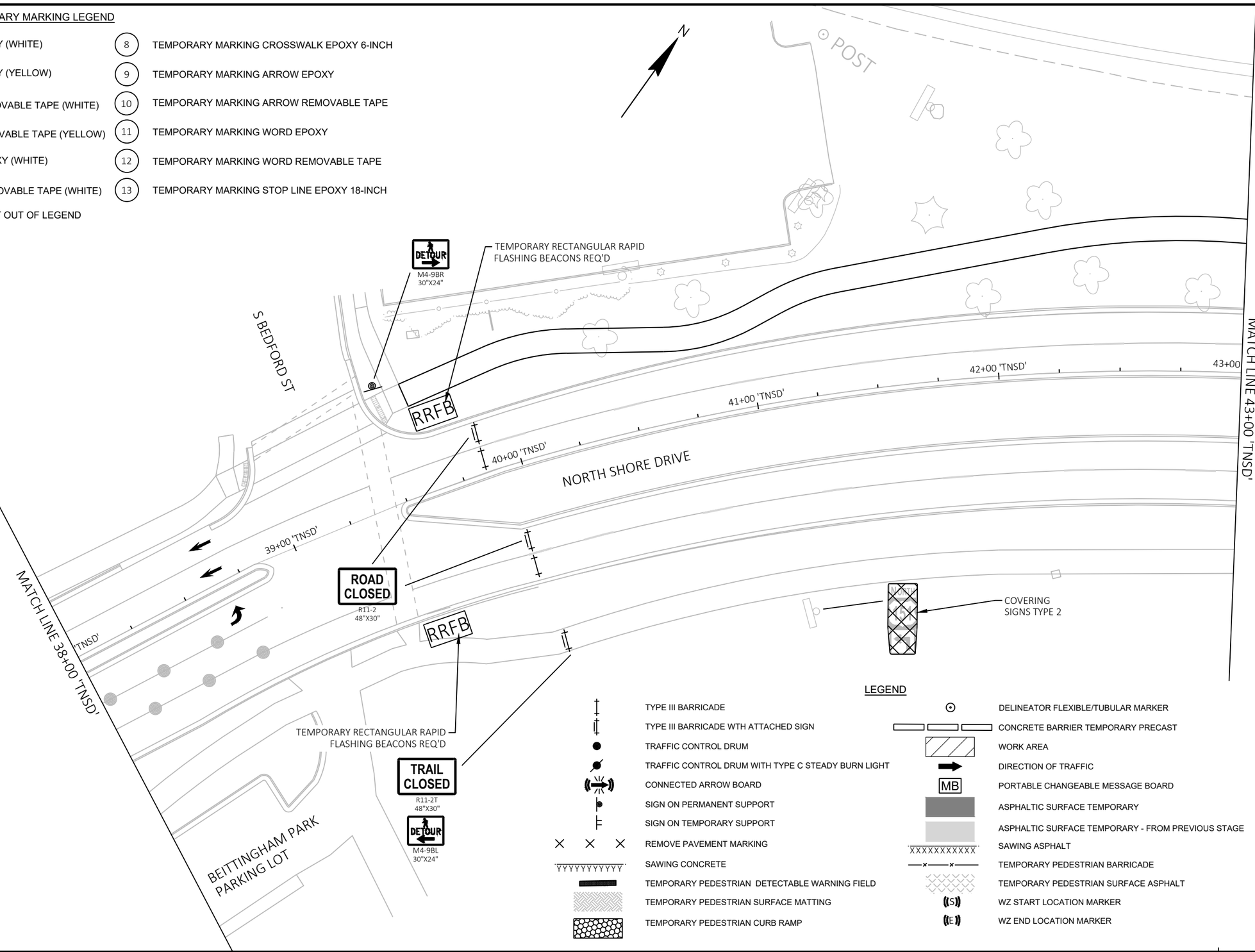
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
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6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

2

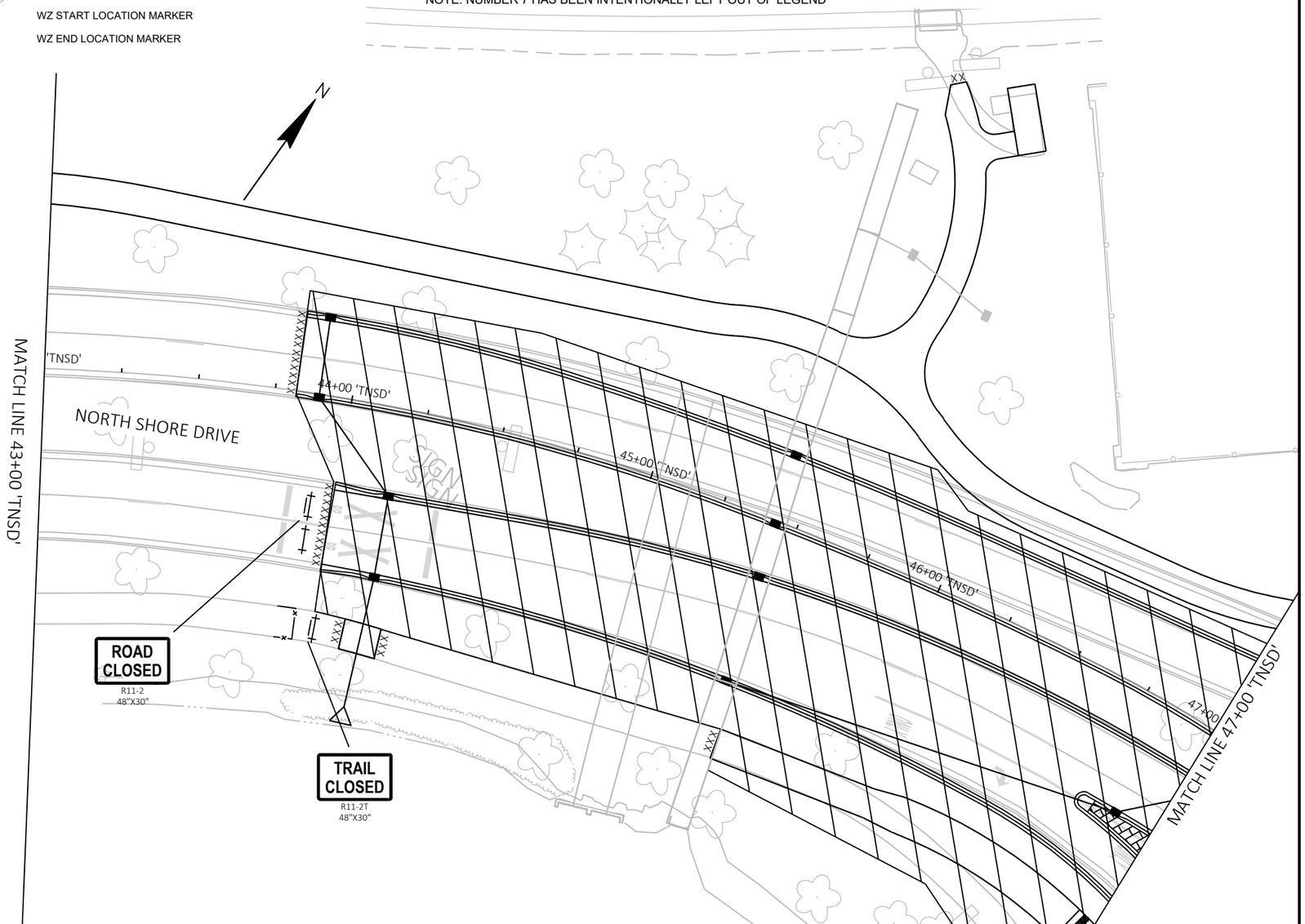
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS (PED ACCOMMODATION DETAIL 2)	SHEET 545	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 17

PLOT DATE : 6/20/2025 8:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

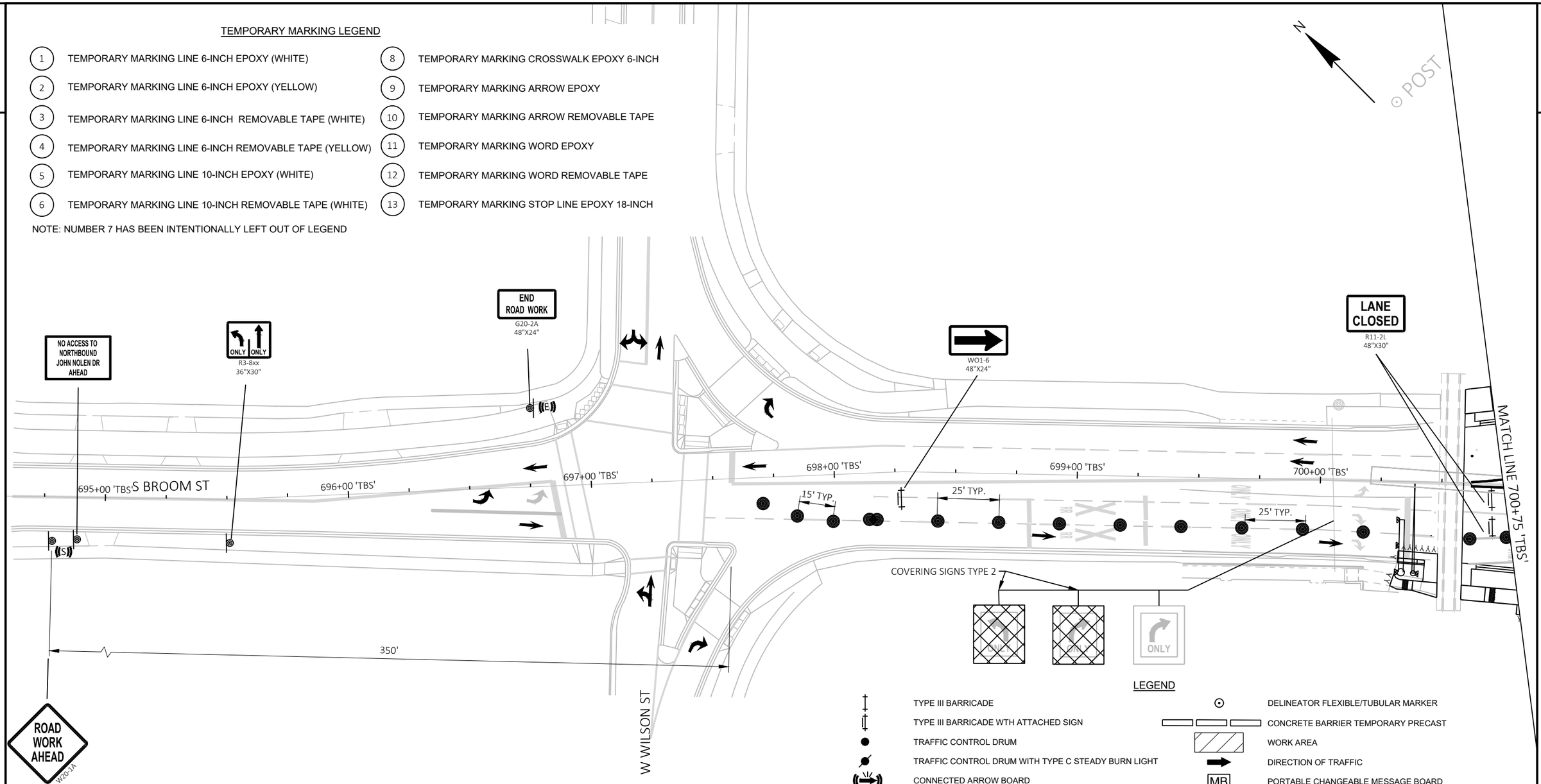
WISDOT/CADDS SHEET 42

2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B TRAFFIC CONTROL DETAILS	SHEET 546	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 2B.DWG
LAYOUT NAME - 18
PLOT DATE : 6/20/2025 8:16 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

SHEET 2

SHEET 3

LAKE MENDOTA

SHEET 4

SHEET 5

W GORHAM ST

W JOHNSON ST

N FIRST ST

E WASHINGTON AVE

W WASHINGTON AVE

S PARK ST

JOHN NOLEN DRIVE

YAHARA RIVER

LAKE MONONA

JOHN NOLEN DRIVE

SHEET 1

RIMROCK RD

LEGEND

USH 151 NB DETOUR/ALTERNATE ROUTE

USH 151 SB DETOUR/ALTERNATE ROUTE

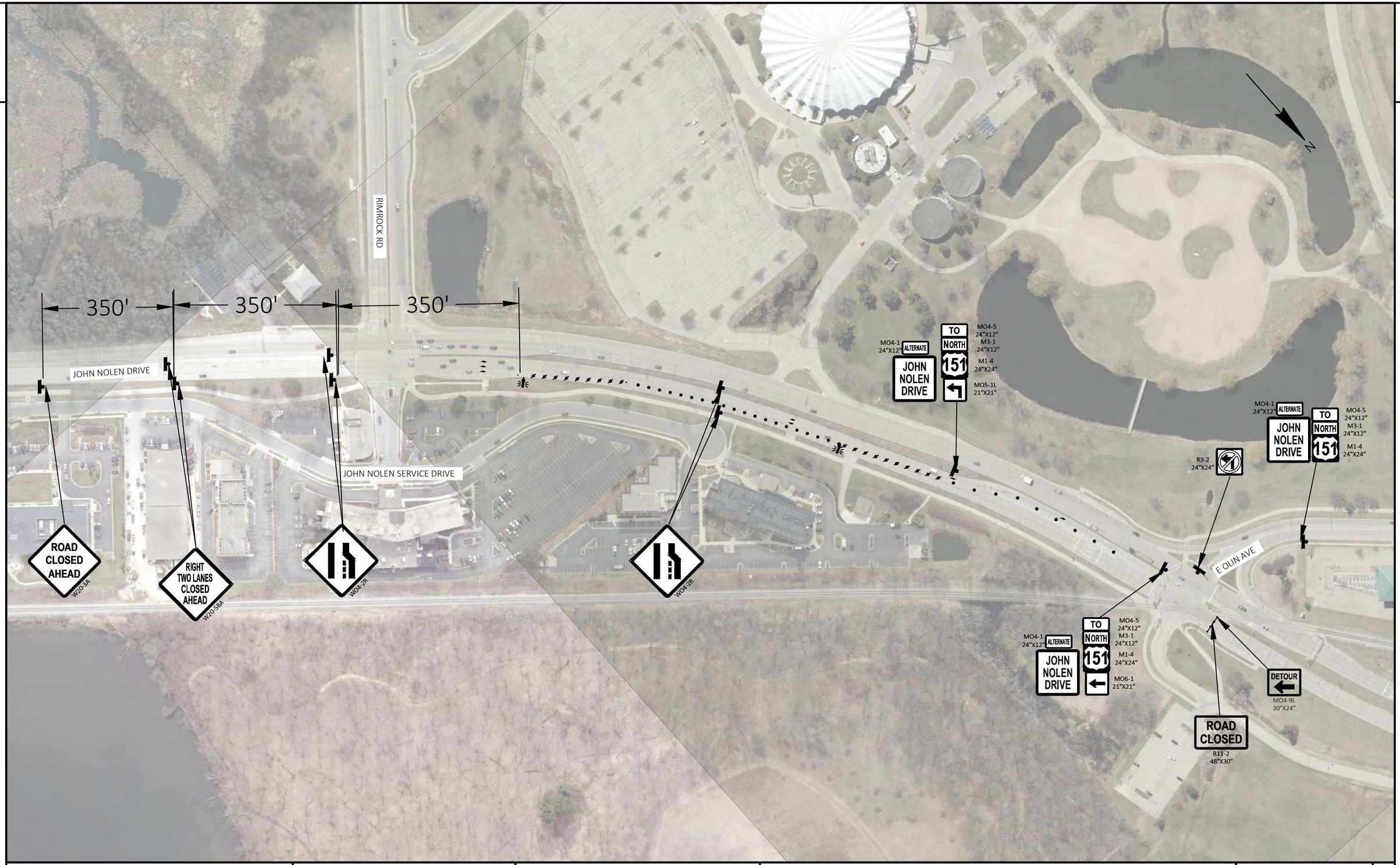
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 547	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - DETOUR OVERVIEW

PLOT DATE : 6/20/2025 8:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:1500 FT

WISDOT/CADDS SHEET 42

2



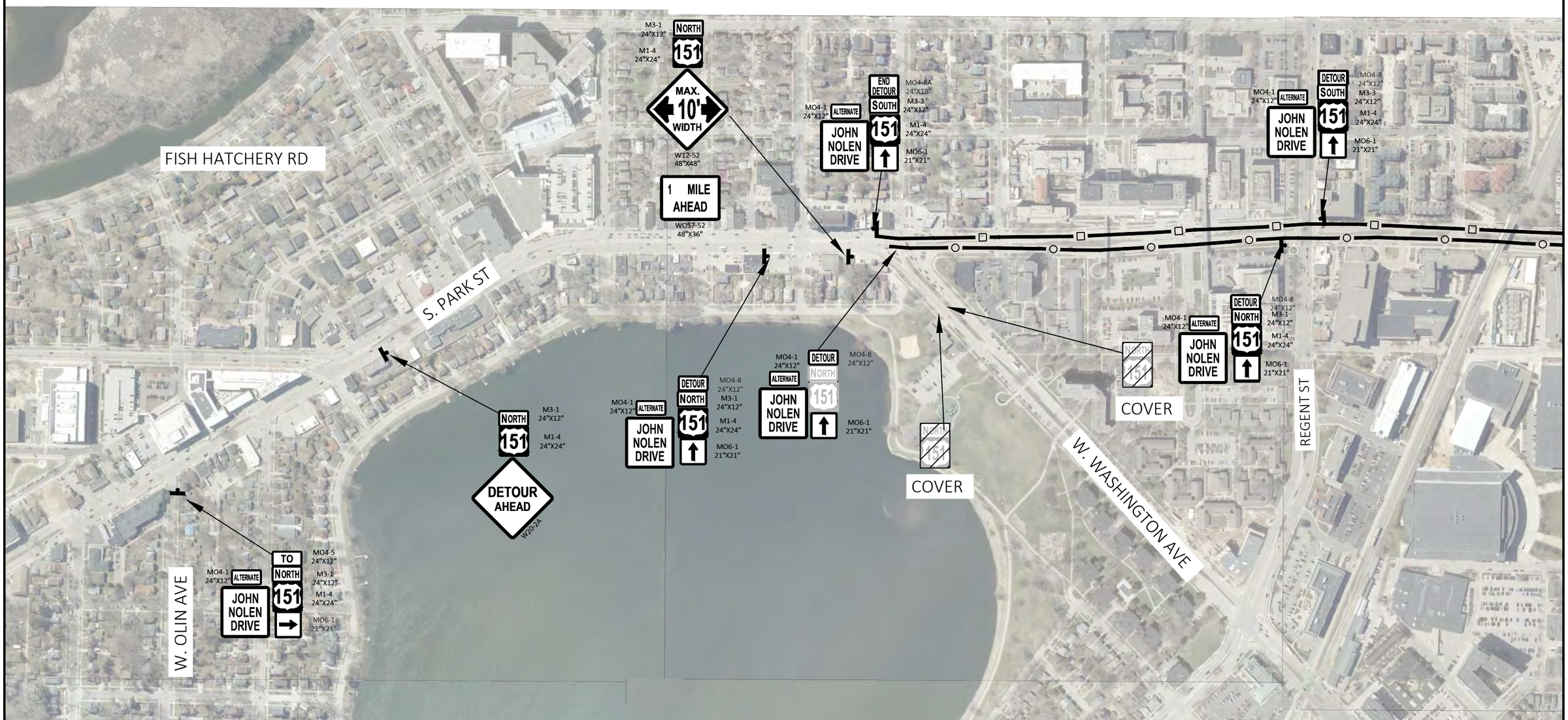
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 548	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - 1

PLOT DATE : 6/20/2025 8:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

N



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 549	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - 2

PLOT DATE : 6/20/2025 8:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

2

N

S. PARK ST

N. CARROLL ST

W. GORHAM ST

W. JOHNSON ST

N. HAMILTON ST

UNIVERSITY AVE

W. JOHNSON ST

STATE ST

DETOUR SOUTH 151 — JOHN NOLEN DRIVE — ALTERNATE
MO4-1 24"X12" | MO4-8 24"X12" | M3-3 24"X12" | M1-4 24"X24" | MO6-1 21"X21"

DETOUR NORTH 151 — JOHN NOLEN DRIVE — ALTERNATE
MO4-1 24"X12" | MO4-8 24"X12" | M3-1 24"X12" | M1-4 24"X24" | MO5-1R 21"X21"

DETOUR SOUTH 151 — JOHN NOLEN DRIVE — ALTERNATE
MO4-1 24"X12" | MO4-8 24"X12" | M3-3 24"X12" | M1-4 24"X24" | MO5-1L 21"X21"

DETOUR NORTH 151 — JOHN NOLEN DRIVE — ALTERNATE
MO4-1 24"X12" | MO4-8 24"X12" | M3-1 24"X12" | M1-4 24"X24" | MO6-1 21"X21"

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 550	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - 3

PLOT DATE : 6/20/2025 8:17 AM | PLOT BY : KL ENGINEERING | PLOT NAME : | PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 551	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - 4

PLOT DATE : 6/20/2025 8:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:400 FT

WISDOT/CADDS SHEET 42

2

PENNSYLVANIA AVE

E. JOHNSON ST

E. WASHINGTON AVE

N. FIRST ST

MB

SOUTH 151 M3-3 24"X12" M1-4 24"X24" DETOUR AHEAD W20-2A

MO4-1 24"X12" ALTERNATE JOHN NOLEN DRIVE

DETOUR SOUTH 151 MO4-8 24"X12" M3-3 24"X12" M1-4 24"X24" MO6-1 21"X21"

DETOUR SOUTH 151 MO4-8 24"X12" M3-3 24"X12" M1-4 24"X24" MO5-1L 21"X21"

MAX. 10' WIDTH W12-52 48"X48"

DETOUR NORTH 151 MO4-8 24"X12" M3-1 24"X12" M1-4 24"X24" MO5-1R 21"X21"

DETOUR NORTH 151 MO4-8 24"X12" M3-1 24"X12" M1-4 24"X24" MO6-1 21"X21"

END DETOUR NORTH 151 MO4-8A 24"X18" M3-1 24"X12" M1-4 24"X24" MO5-1L 21"X21"

SOUTH 151 COVER

DETOUR SOUTH NORTH 151 113 MO4-8 24"X12" M3-3 24"X12" M1-4 24"X24" MO5-1R 21"X21"

PCMS MESSAGE PLAN

PANEL 1	PANEL 2
USH 151 CLOSED AHEAD	FOLLOW DETOUR SIGNS

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - USH 151 DETOUR	SHEET 552	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-USH 151.DWG
LAYOUT NAME - 5

PLOT DATE : 6/20/2025 8:17 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:400 FT

2

2

W WILSON ST

S BEDFORD ST

S BASSETT ST

BROOM ST

WSOR

NORTH SHORE DR

RAILROAD CLOSED AT
NORTH SHORE DRIVE

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MONONA BAY

LAKE MONONA

TEMPORARY
RECTANGULAR
RAPID FLASHING
BEACONS REQ'D

DETOUR
M4-9BR
30"X24"

DETOUR
M4-9BL
30"X24"

M4-60D
30"X24"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

SIDEWALK CLOSED
R9-9
24"X12"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- WORK AREA
- PEDESTRIAN DETOUR ROUTE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 2B PEDESTRIAN DETOUR	SHEET 553	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-PED - NSD_RR CLOSURE.DWG
LAYOUT NAME - DETOUR PATH OVERVIEW-NSD

PLOT DATE : 6/20/2025 8:18 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:100 FT

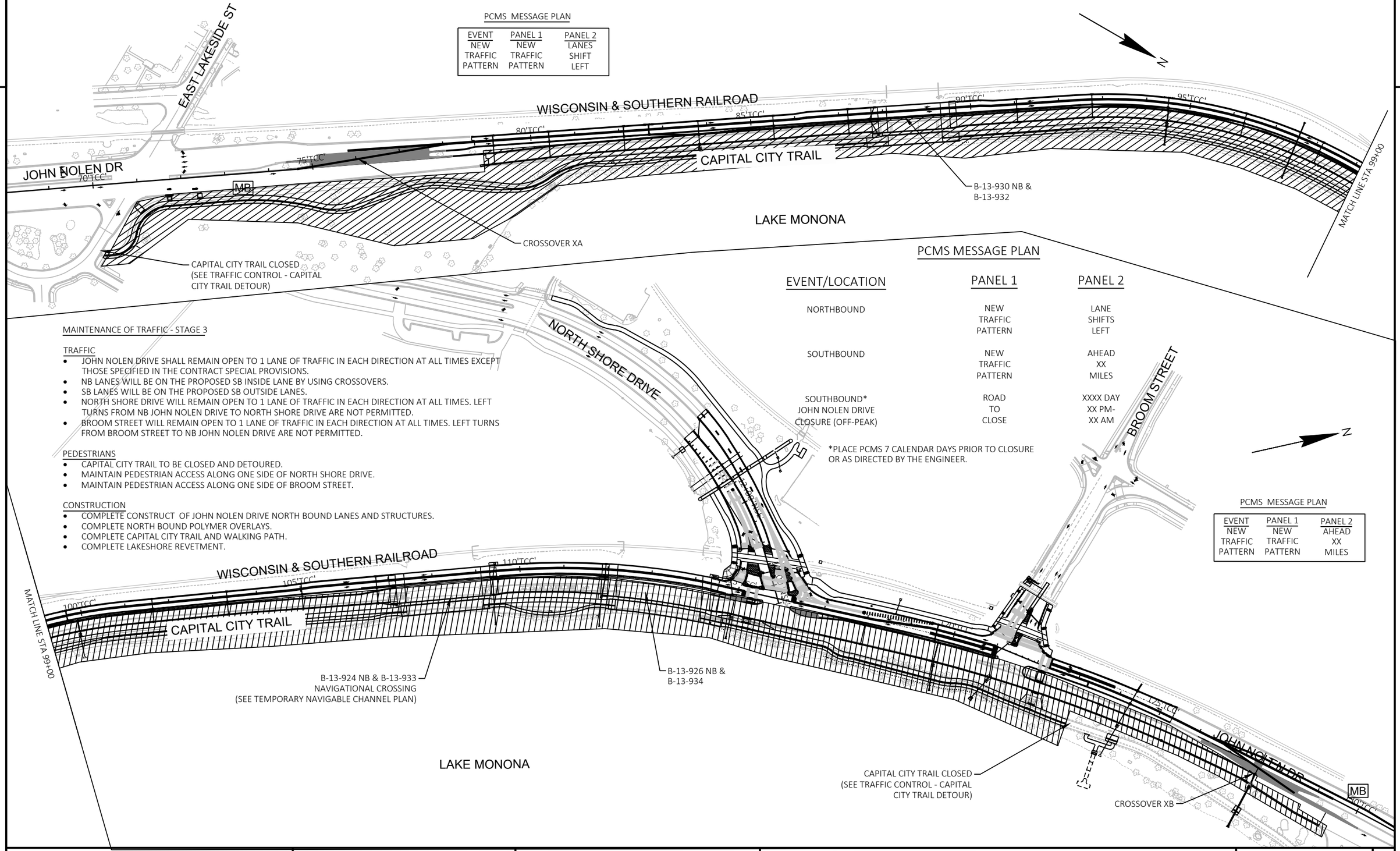
WISDOT/CADDS SHEET 42

2

2

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	LANES SHIFT LEFT



PCMS MESSAGE PLAN

EVENT/LOCATION	PANEL 1	PANEL 2
NORTHBOUND	NEW TRAFFIC PATTERN	LANE SHIFTS LEFT
SOUTHBOUND	NEW TRAFFIC PATTERN	AHEAD XX MILES
SOUTHBOUND* JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	ROAD TO CLOSE	XXXX DAY XX PM- XX AM

*PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER.

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	AHEAD XX MILES

MAINTENANCE OF TRAFFIC - STAGE 3

TRAFFIC

- JOHN NOLEN DRIVE SHALL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT THOSE SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- NB LANES WILL BE ON THE PROPOSED SB INSIDE LANE BY USING CROSSOVERS.
- SB LANES WILL BE ON THE PROPOSED SB OUTSIDE LANES.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM NB JOHN NOLEN DRIVE TO NORTH SHORE DRIVE ARE NOT PERMITTED.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE ARE NOT PERMITTED.

PEDESTRIANS

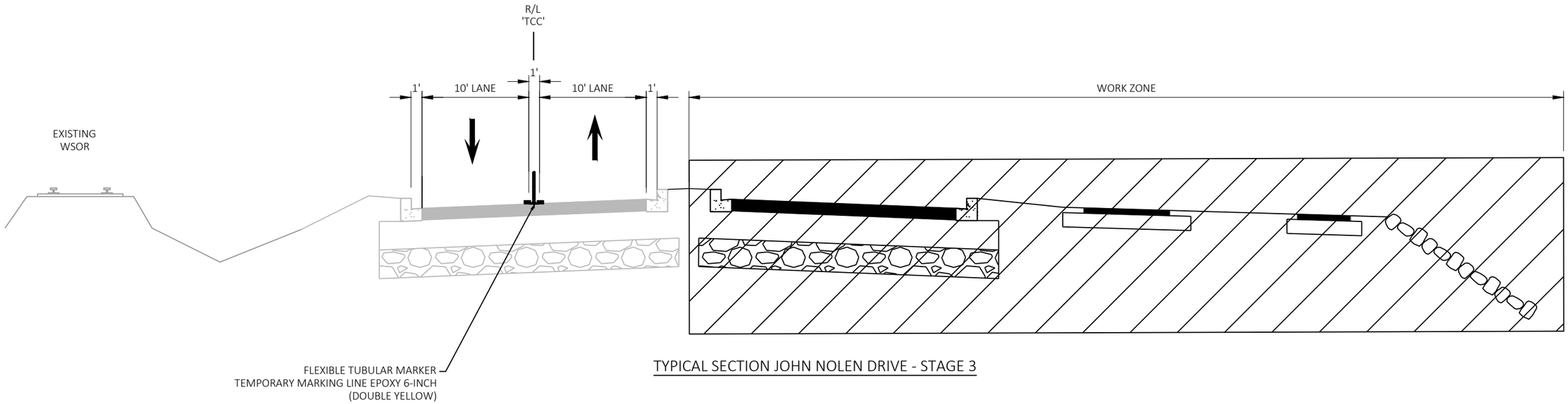
- CAPITAL CITY TRAIL TO BE CLOSED AND DETOURED.
- MAINTAIN PEDESTRIAN ACCESS ALONG ONE SIDE OF NORTH SHORE DRIVE.
- MAINTAIN PEDESTRIAN ACCESS ALONG ONE SIDE OF BROOM STREET.

CONSTRUCTION

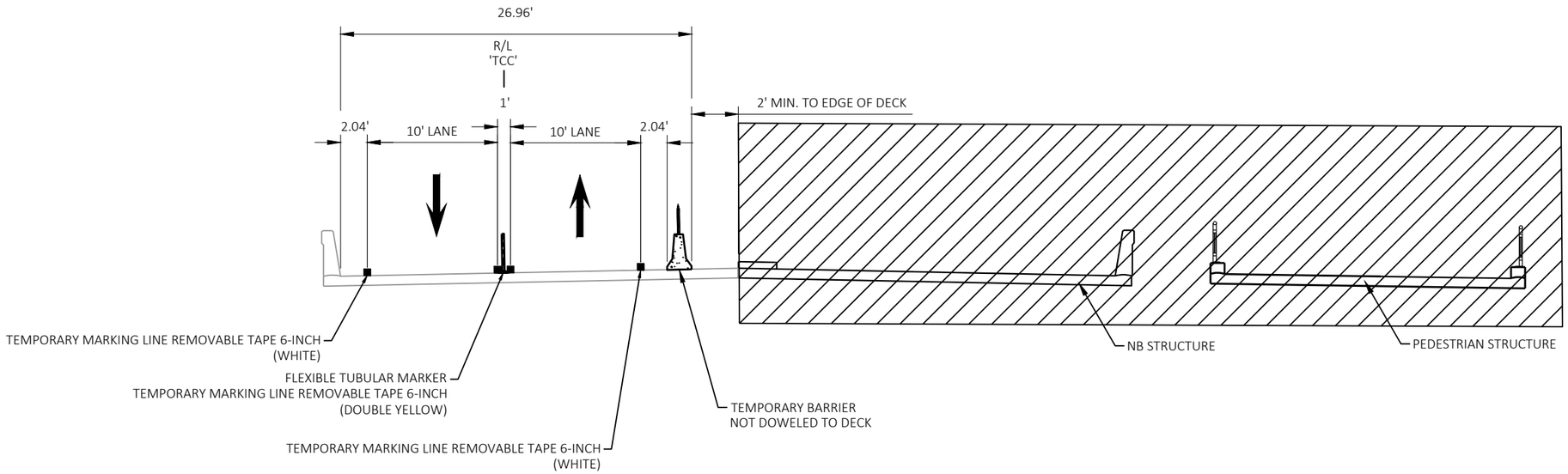
- COMPLETE CONSTRUCT OF JOHN NOLEN DRIVE NORTH BOUND LANES AND STRUCTURES.
- COMPLETE NORTH BOUND POLYMER OVERLAYS.
- COMPLETE CAPITAL CITY TRAIL AND WALKING PATH.
- COMPLETE LAKESHORE REVETMENT.

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET 554	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3 OVERVIEW.DWG
LAYOUT NAME - Plan 1 IN 200 FT
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

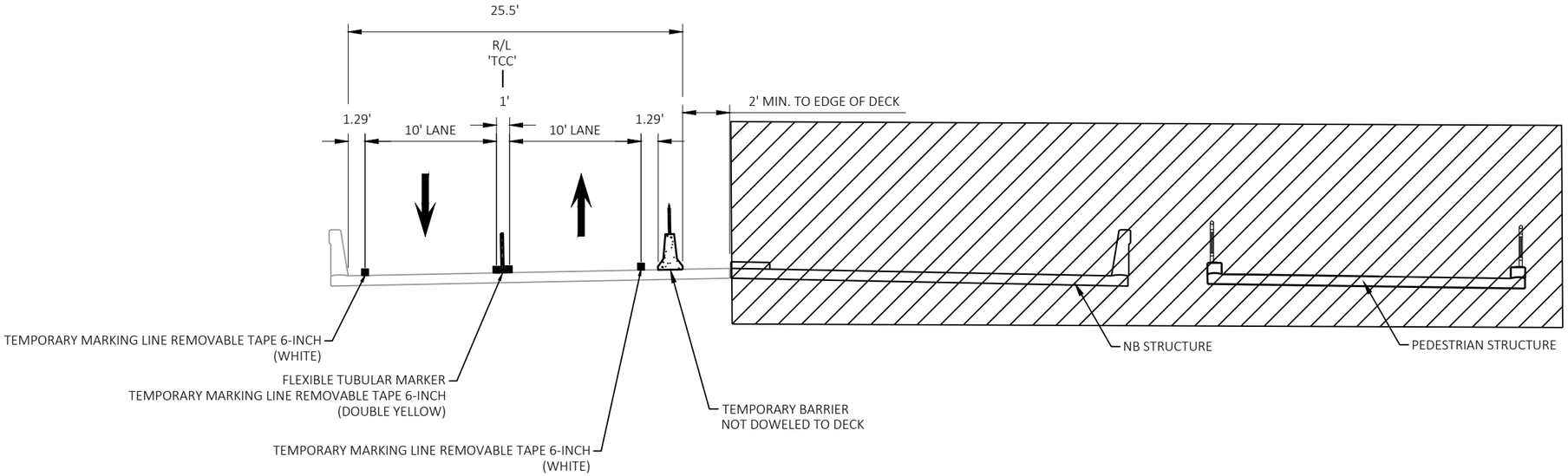


TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 3

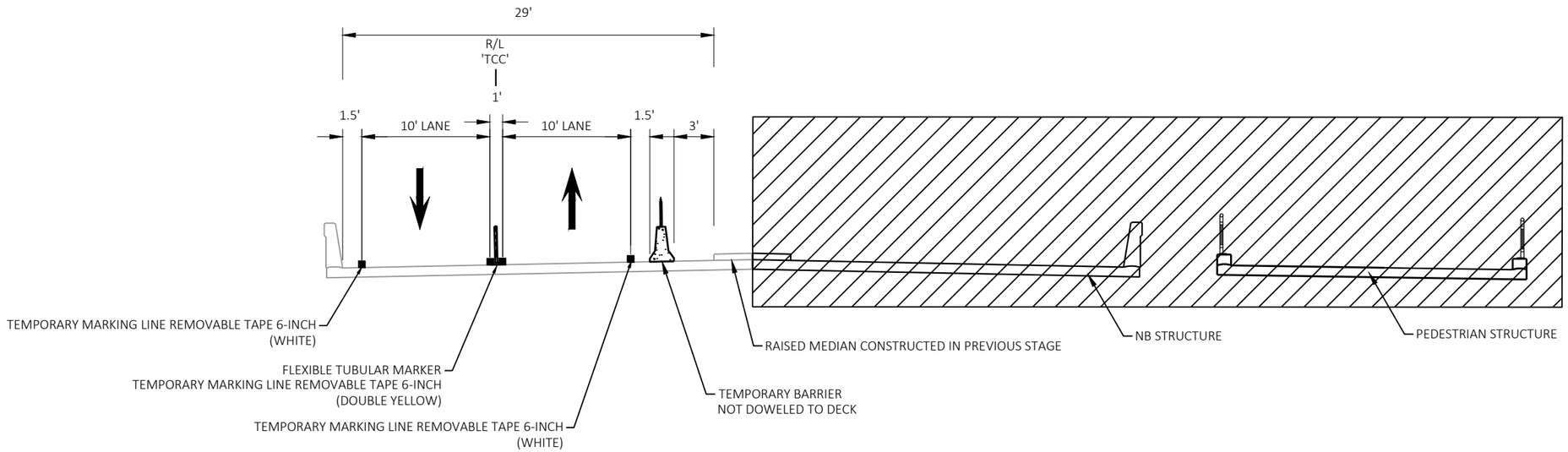


TYPICAL SECTION STRUCTURES (B-13-930 SB) - STAGE 3

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTIONS	SHEET 555	E



TYPICAL SECTION STRUCTURES (B-13-924 SB) - STAGE 3



TYPICAL SECTION STRUCTURES (B-13-926 SB) - STAGE 3

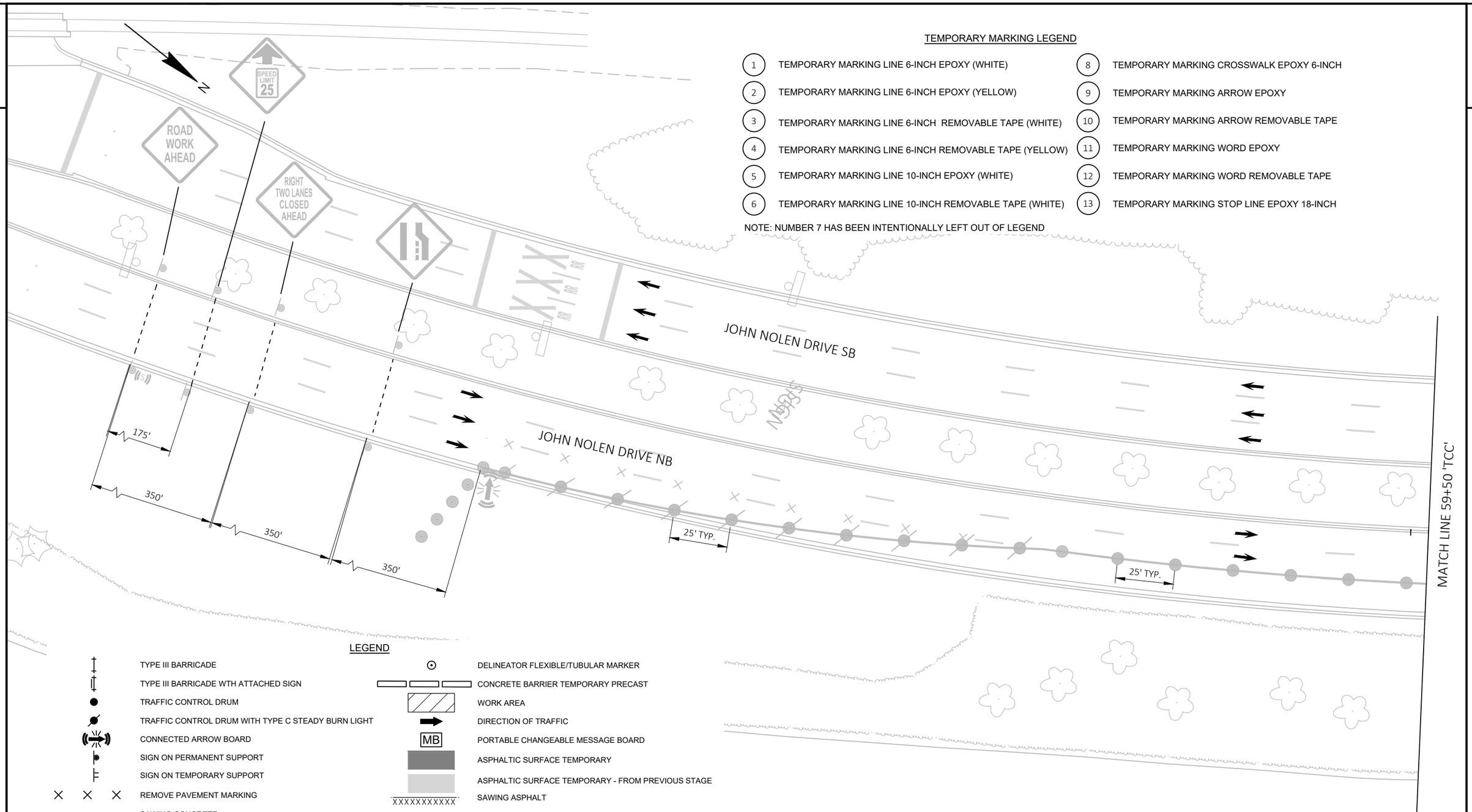
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTIONS	SHEET 556	E

2

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 557 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 01
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

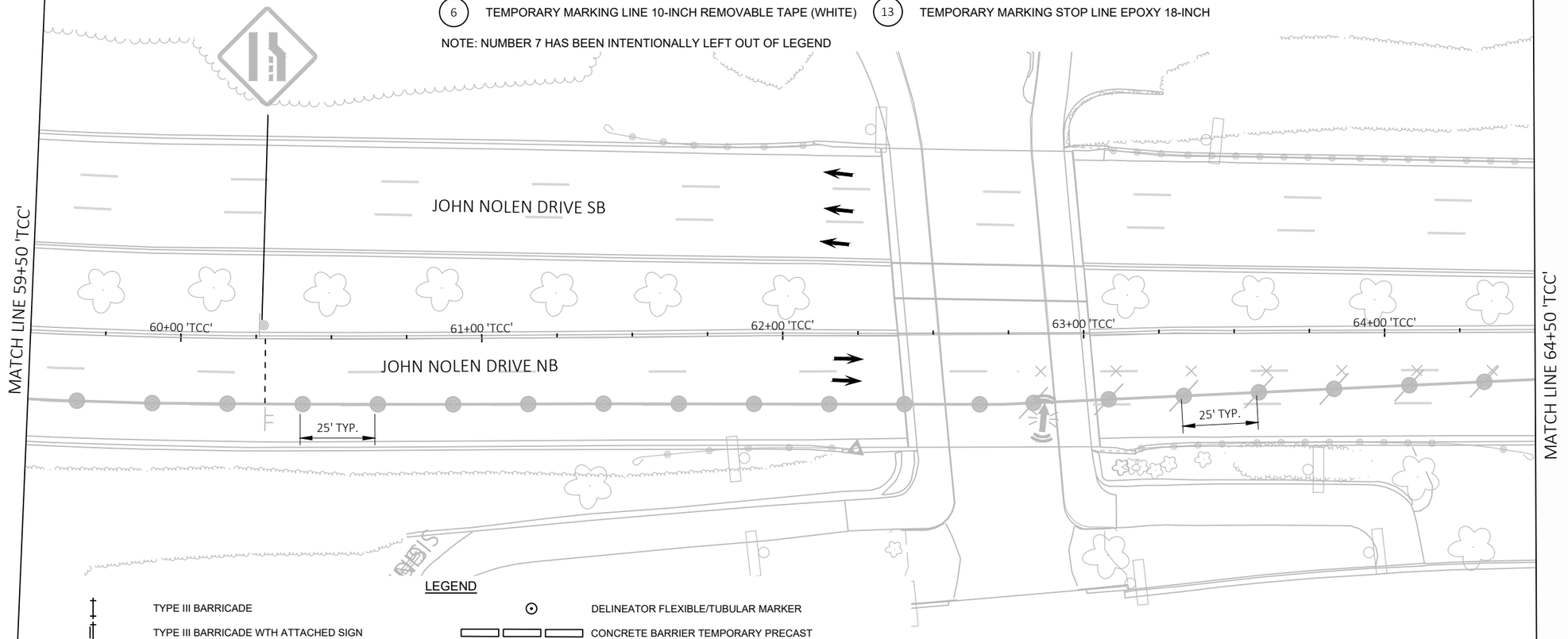
2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

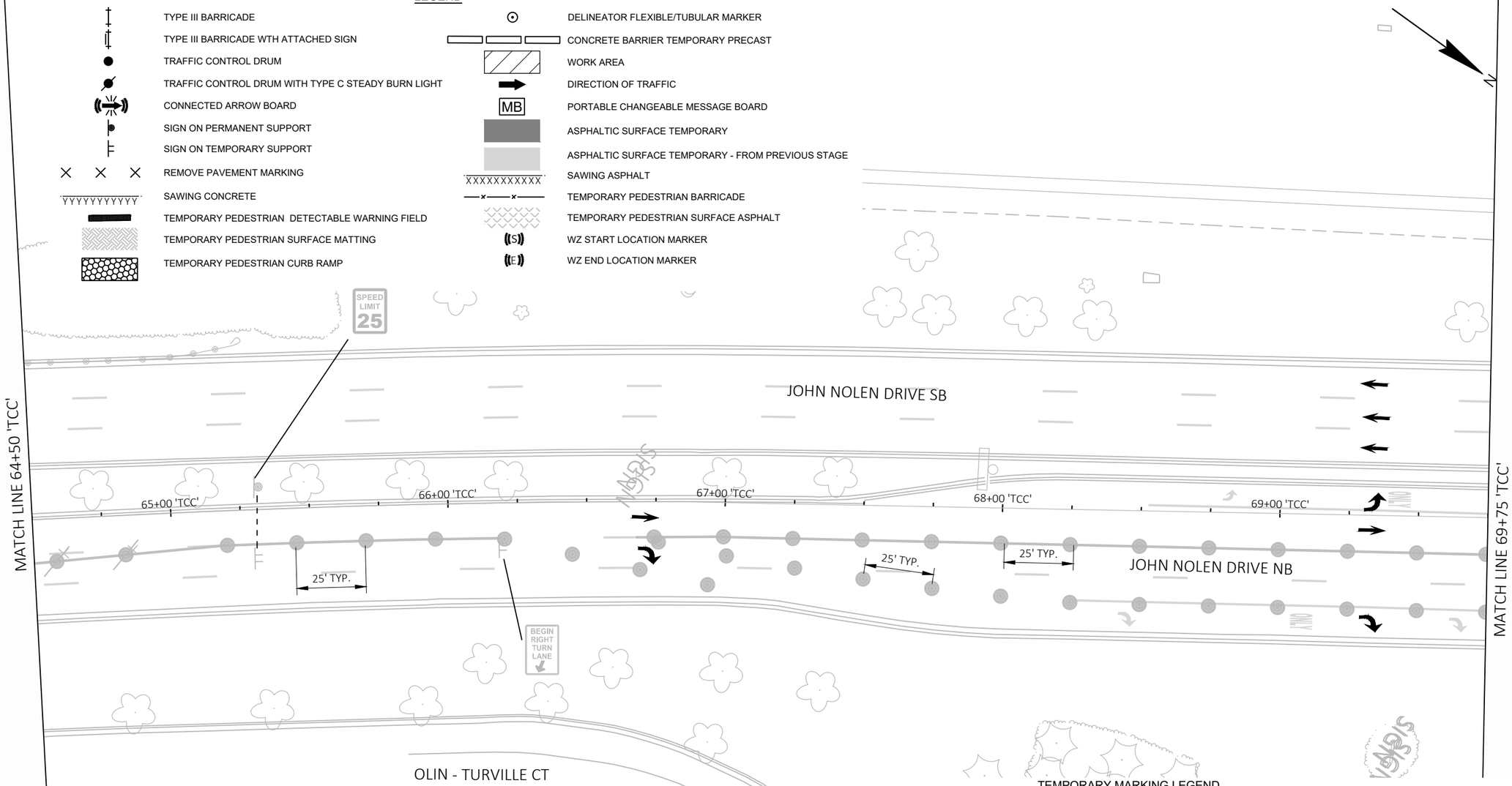
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 558	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 559	E

2

N

ROAD WORK AHEAD
W20-1A

TRAIL CLOSED
R11-2T
48"X30"

END ROAD WORK

E LAKESIDE ST

POST

LANE CLOSED
R11-2L
48"X30"

JOHN NOLEN DRIVE SB

350'

WO1-6
48"X24"

+64.77 'TCC'
0.0'

MATCH LINE 69+75 'TCC'

70+00 'TCC'

71+00 'TCC'

72+00 'TCC'

73+00 'TCC'

74+00 'TCC'

75+00

MATCH LINE 75+00 'TCC'

15' TYP.

25' TYP.

JOHN NOLEN DRIVE NB

+53.59 'TCC'
12.0' RT

1

9

ROAD WORK AHEAD
W20-1A

E LAKESIDE ST

NOTE: MAINTAIN ACCESS TO TEMPORARY BUS STOP AT ALL TIMES

WO1-4L

TRAIL CLOSED SEE TRAFFIC CONTROL CAPITAL CITY DETOUR PLAN

TRAIL CLOSED
R11-2T
48"X30"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 560	E

2

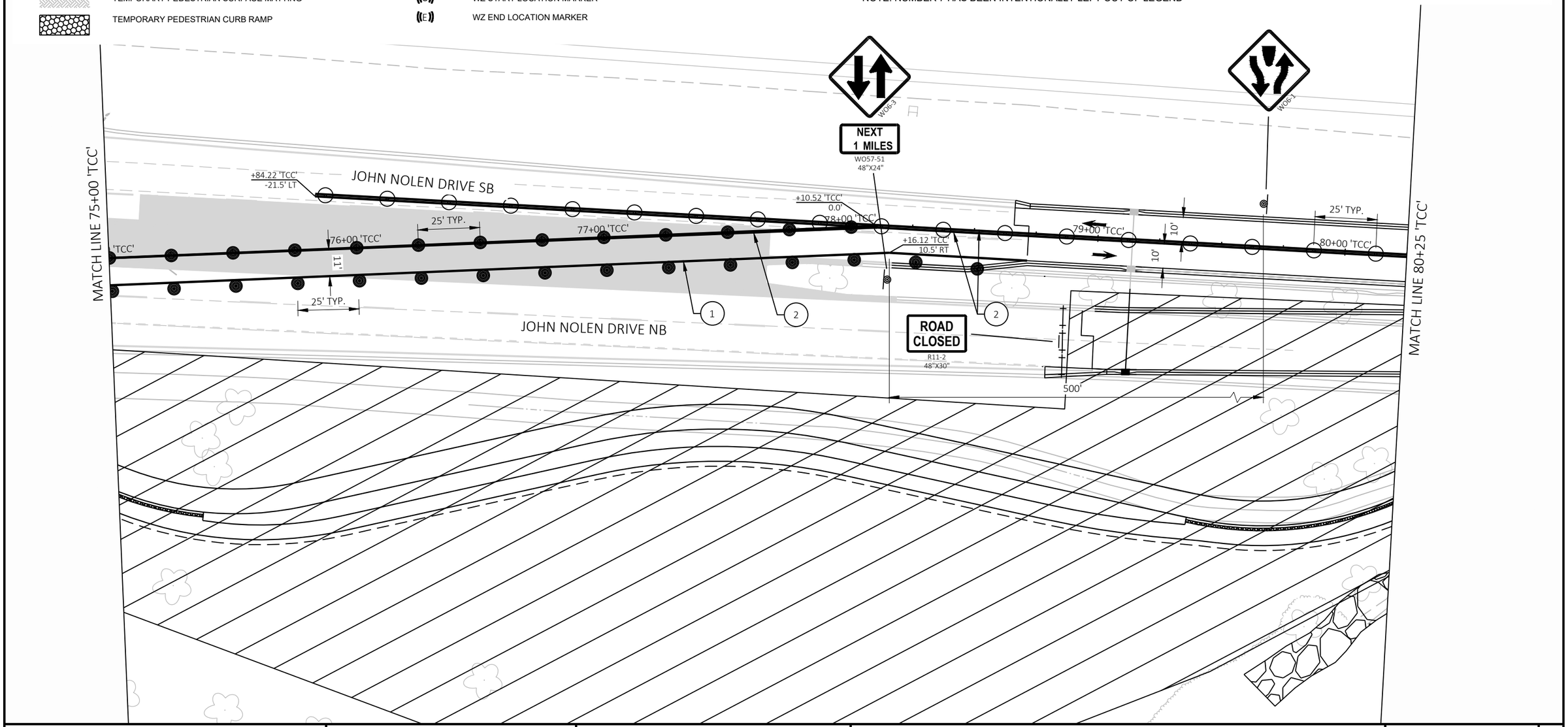
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 561	E

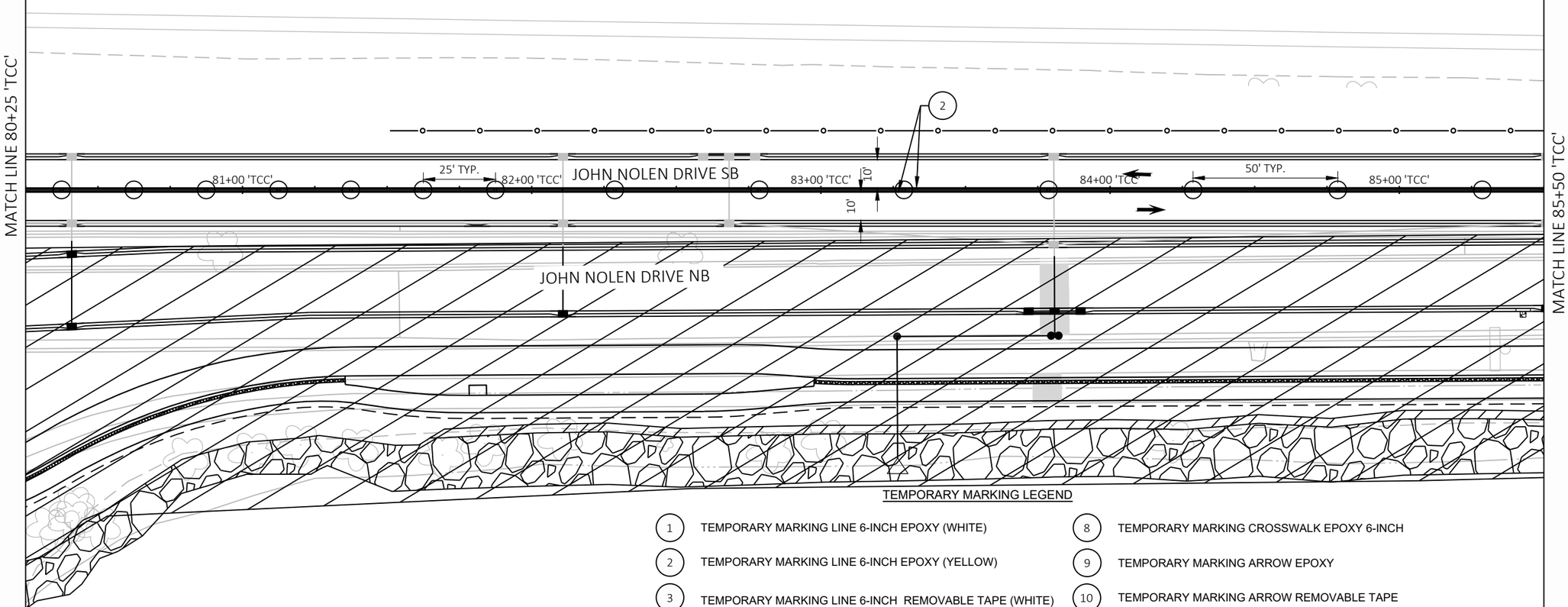
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LAYOUT NAME - 05

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

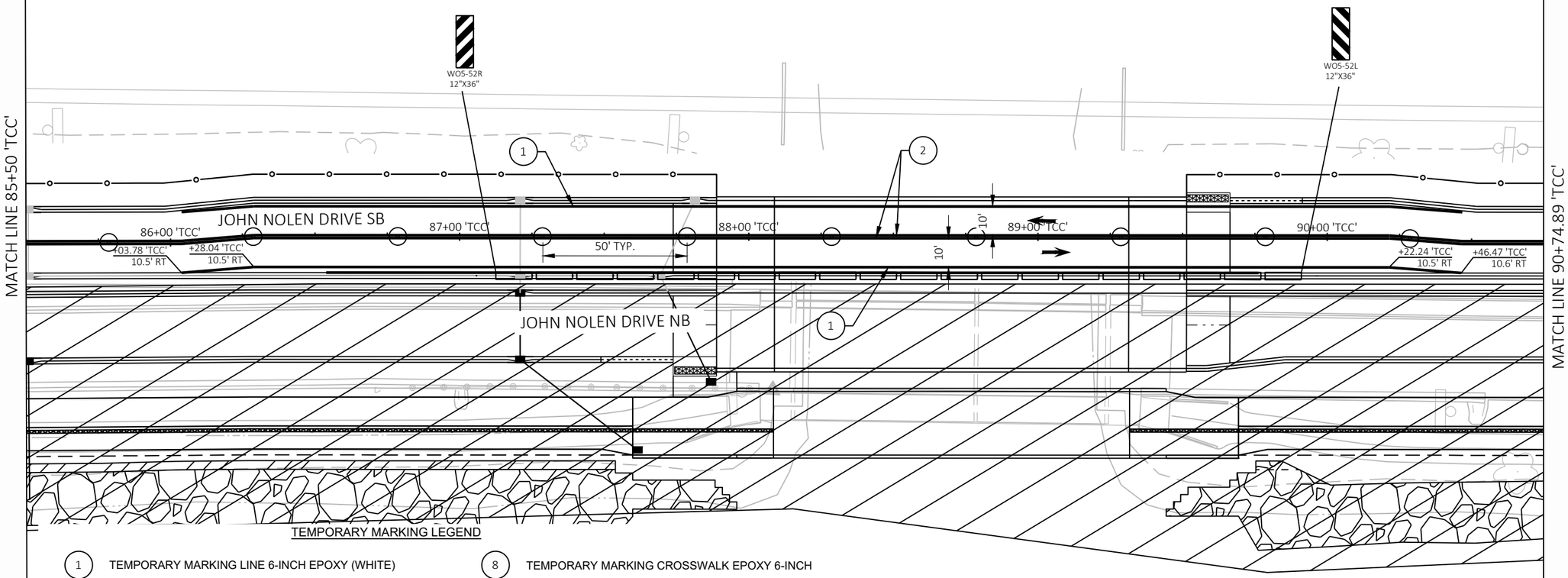
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 562	E

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

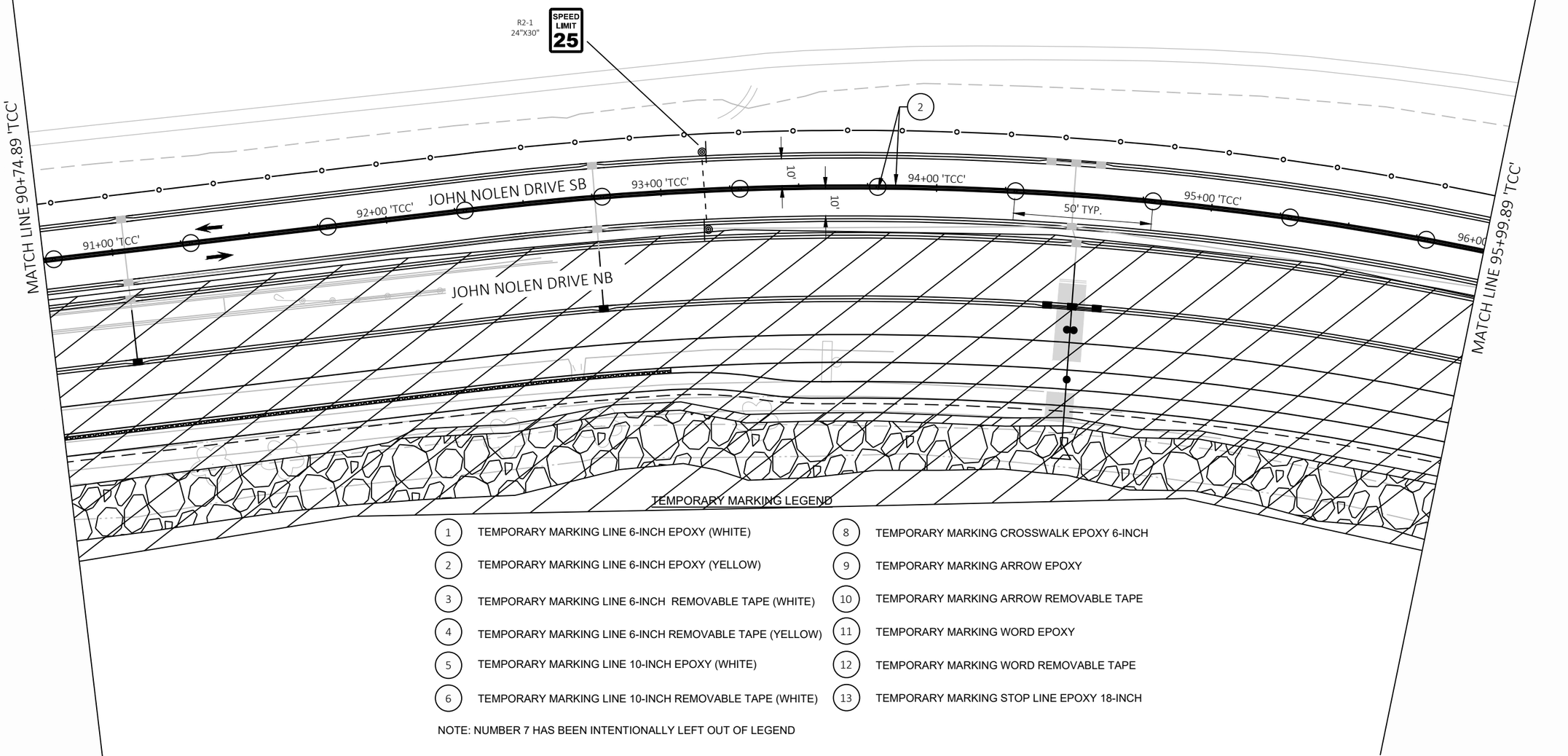
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

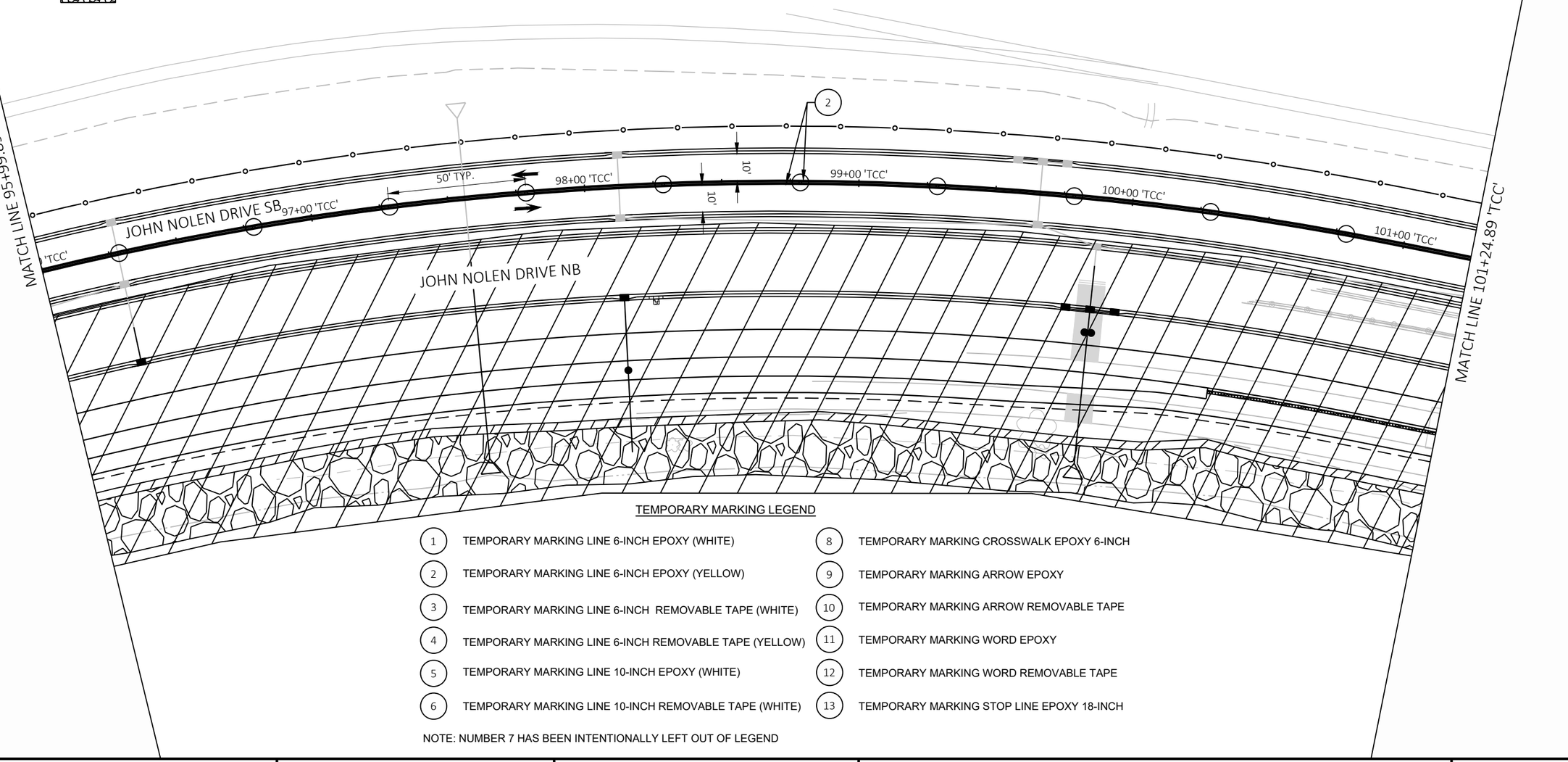
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 564	E

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 565	E

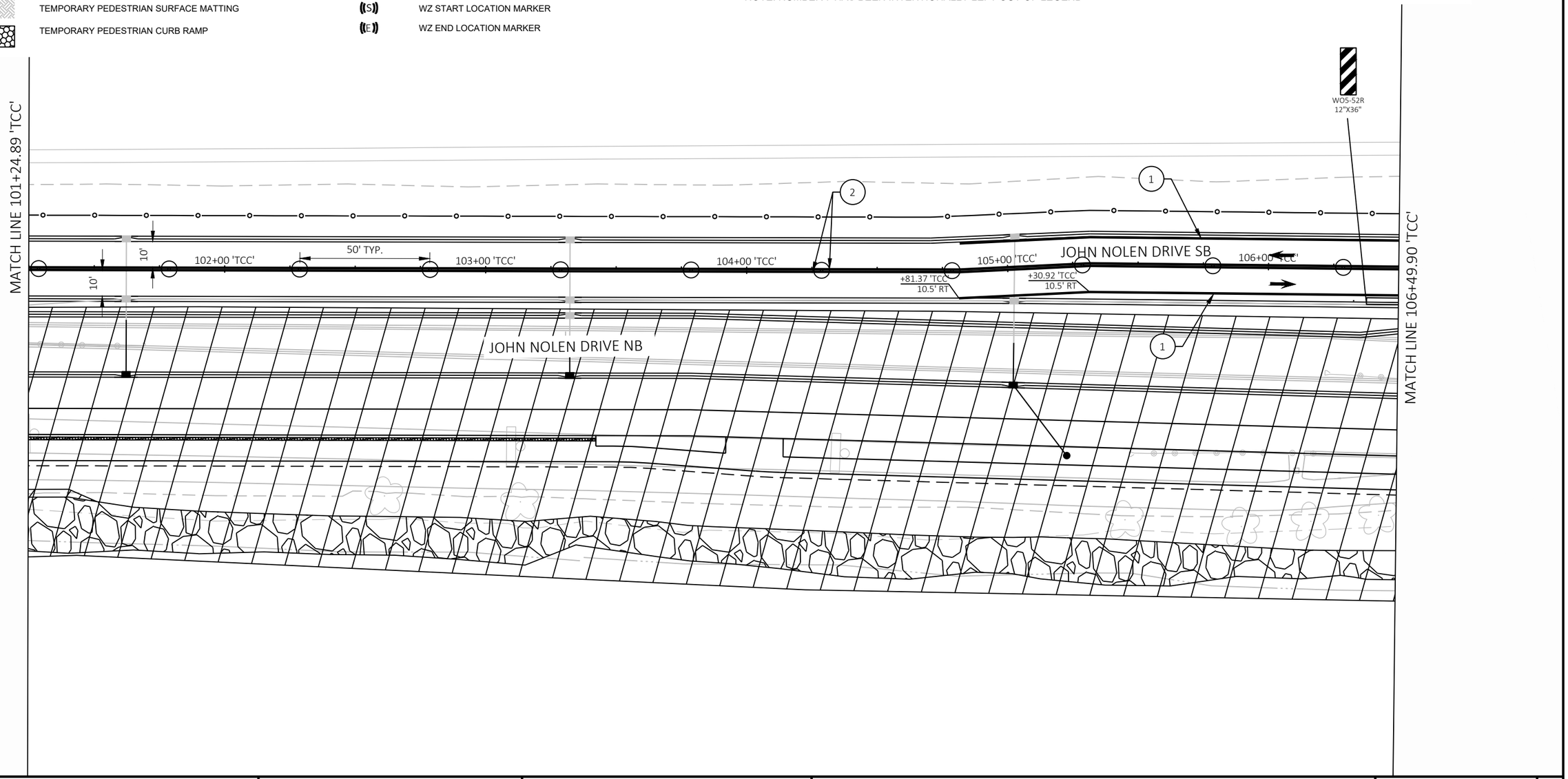
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 566	E

2

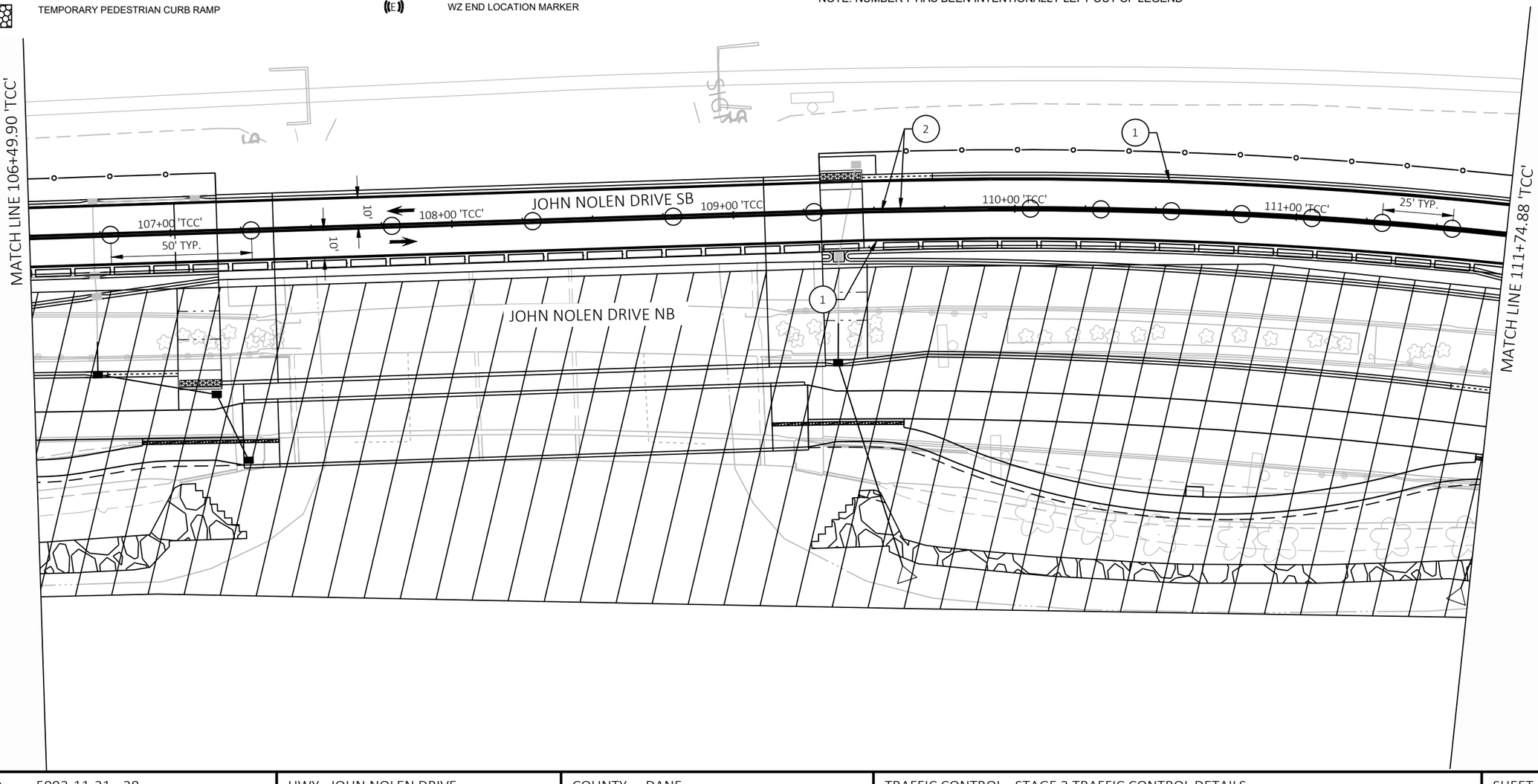
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



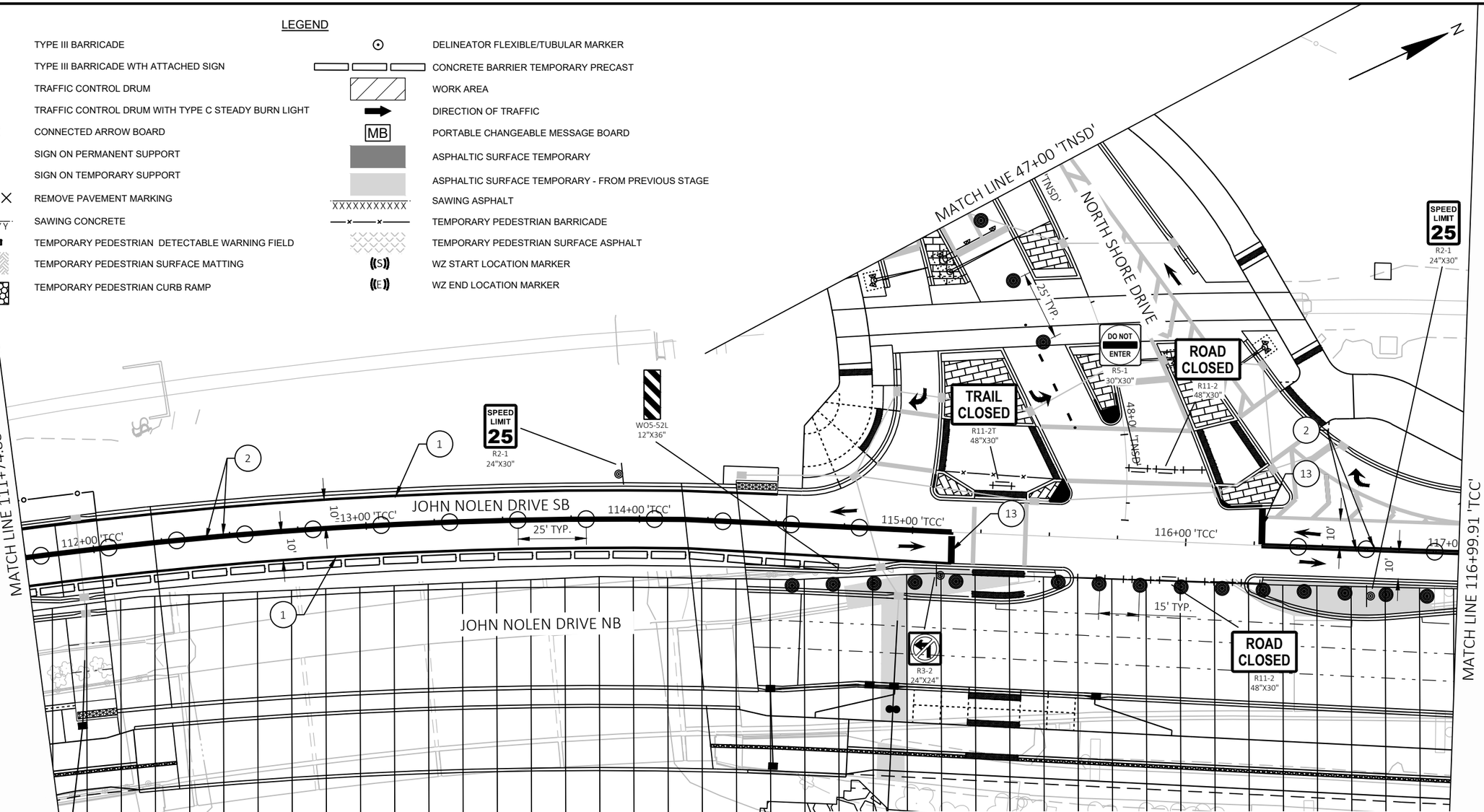
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 567	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 11
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

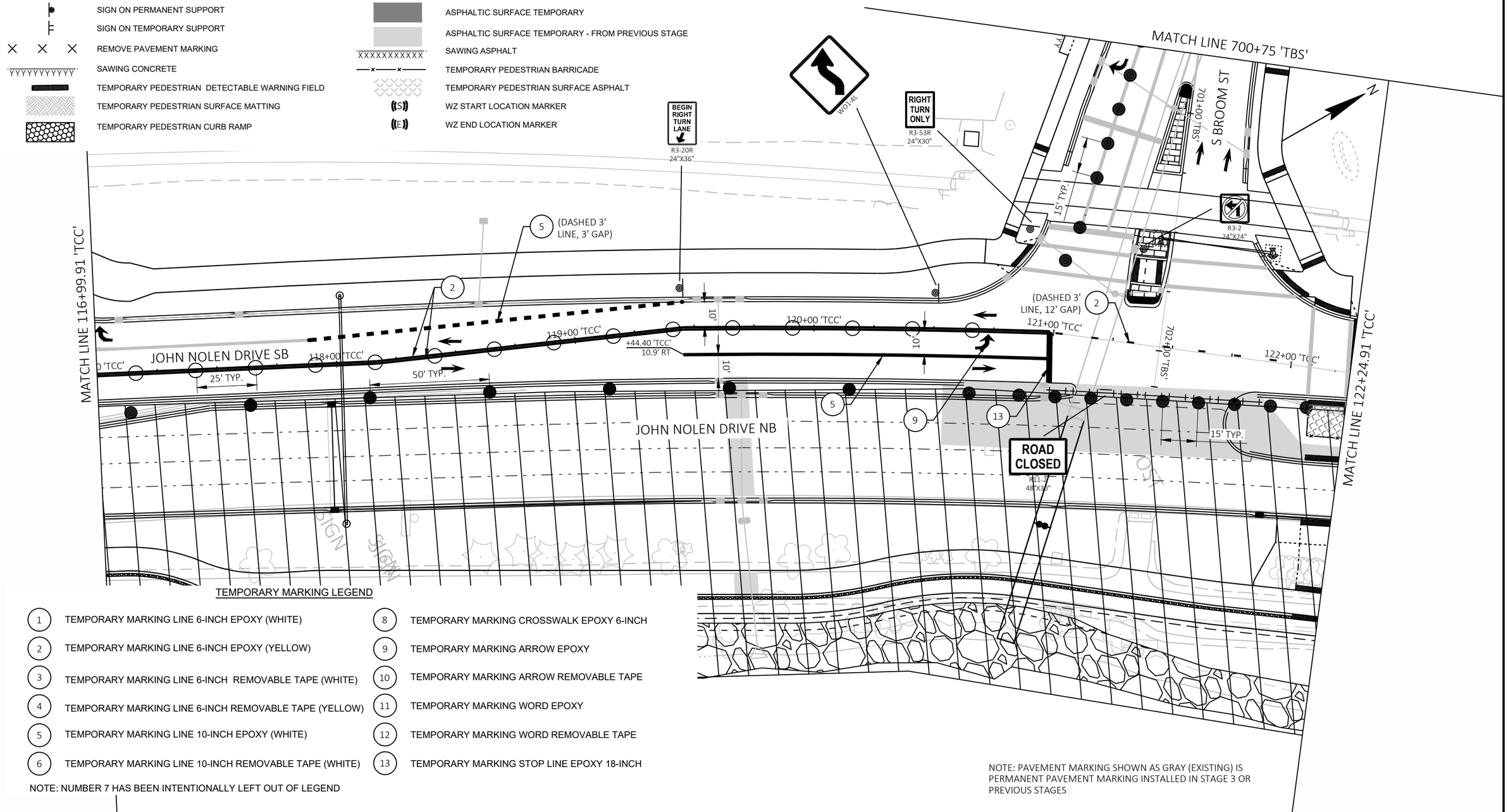
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 3 OR PREVIOUS STAGES

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

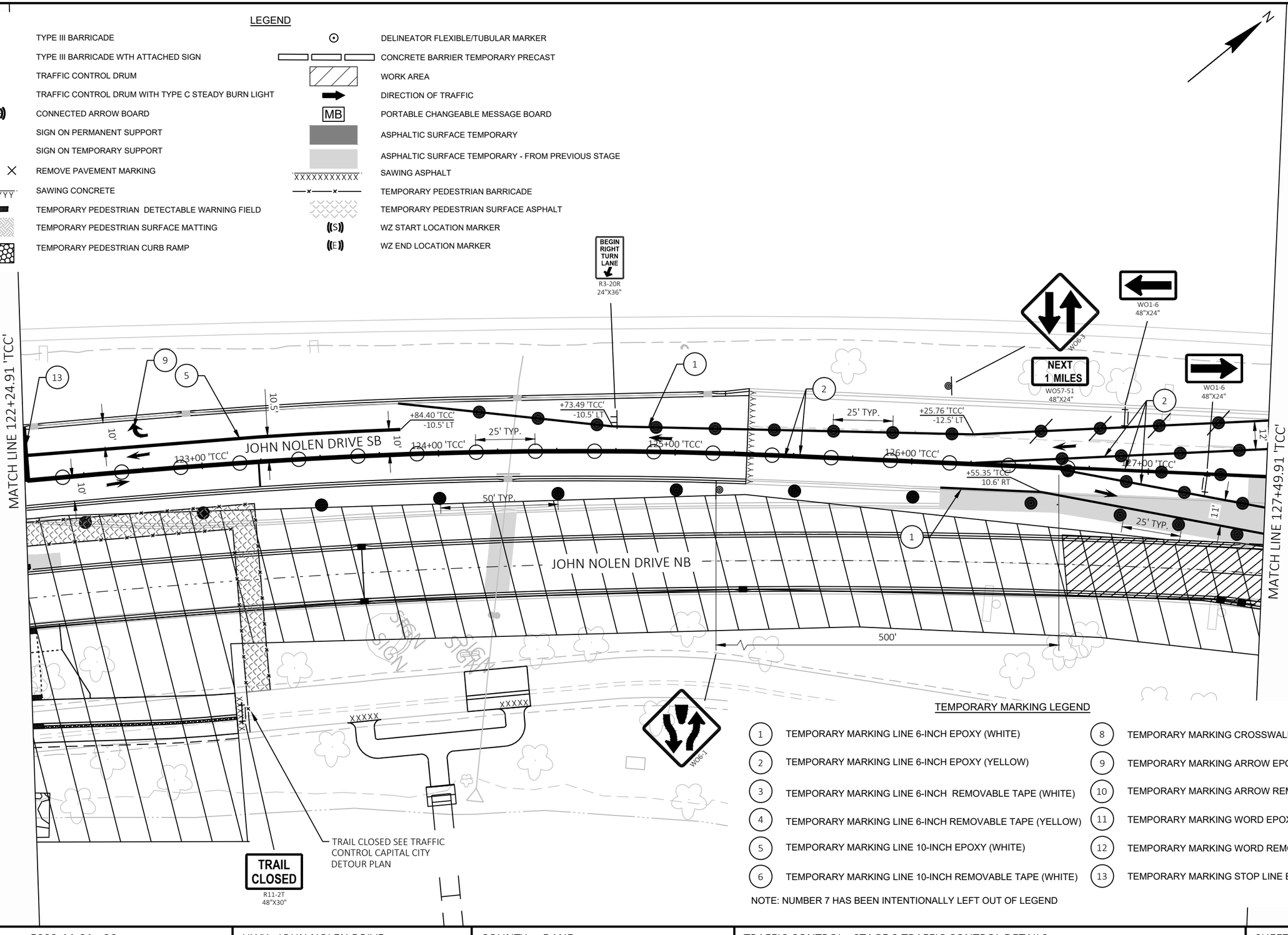
NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 3 OR PREVIOUS STAGES

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 569	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

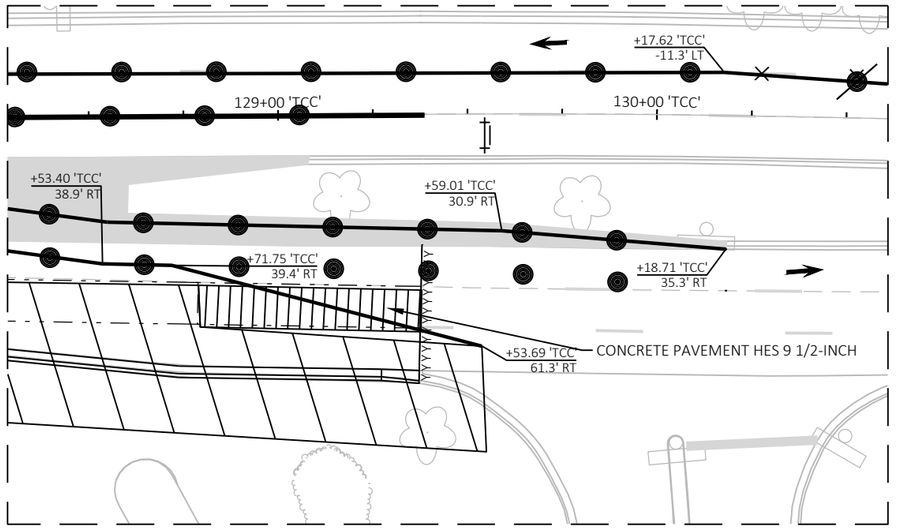
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 570	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 14
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

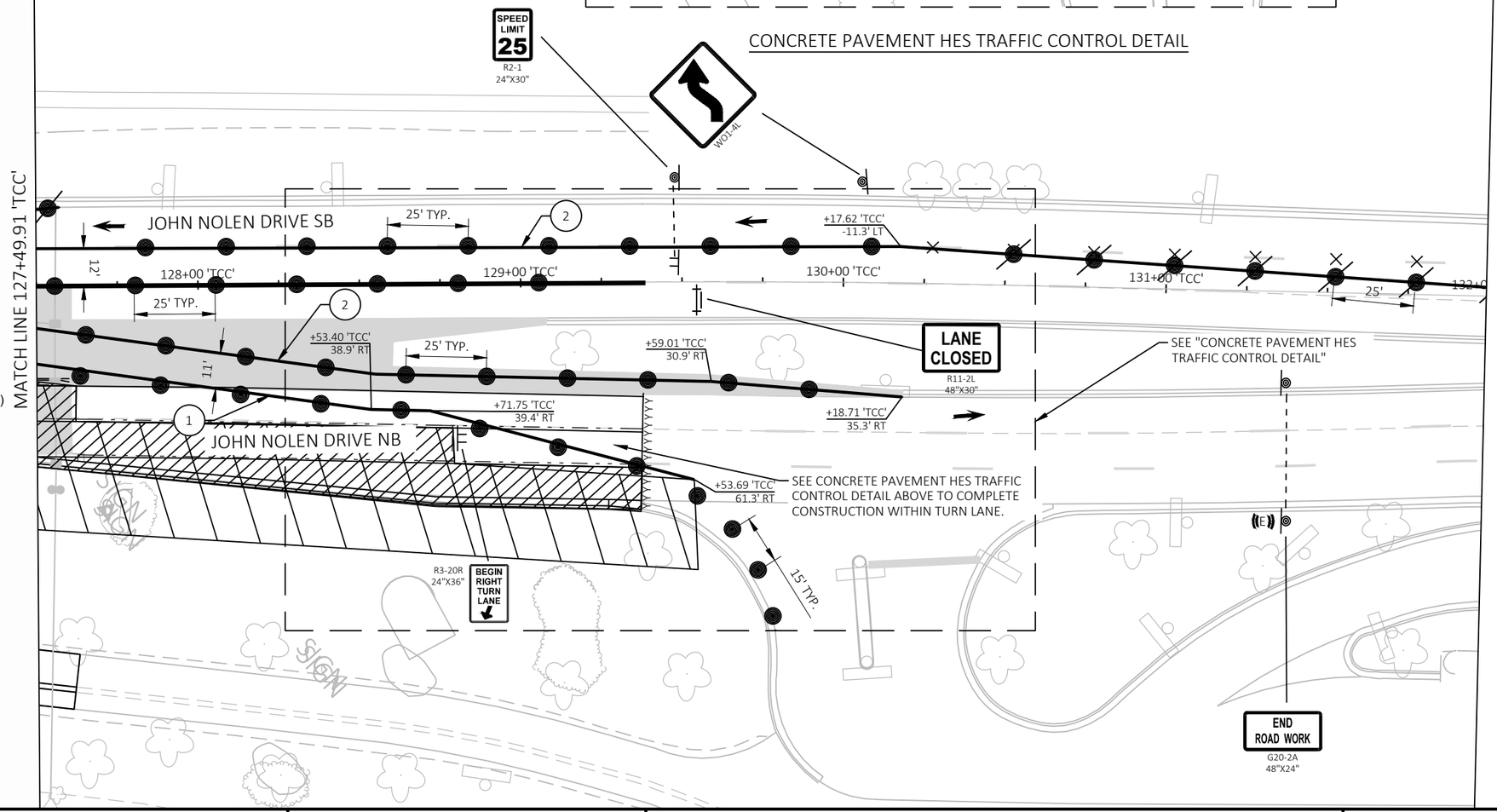


CONCRETE PAVEMENT HES TRAFFIC CONTROL DETAIL

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 571	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 15
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



MATCH LINE 132+00 'TCC'

JOHN NOLEN DRIVE SB

2

'TCC'

133+00 'TCC'

+62.49 'TCC'
0.2' RT

25' TYP.

134+00 'TCC'

135+00 'TCC'

136+00 'TCC'

137+00 'TCC'

+52.35 'TCC'
0.3' RT

JOHN NOLEN DRIVE NB

MATCH LINE 137+75 'TCC'

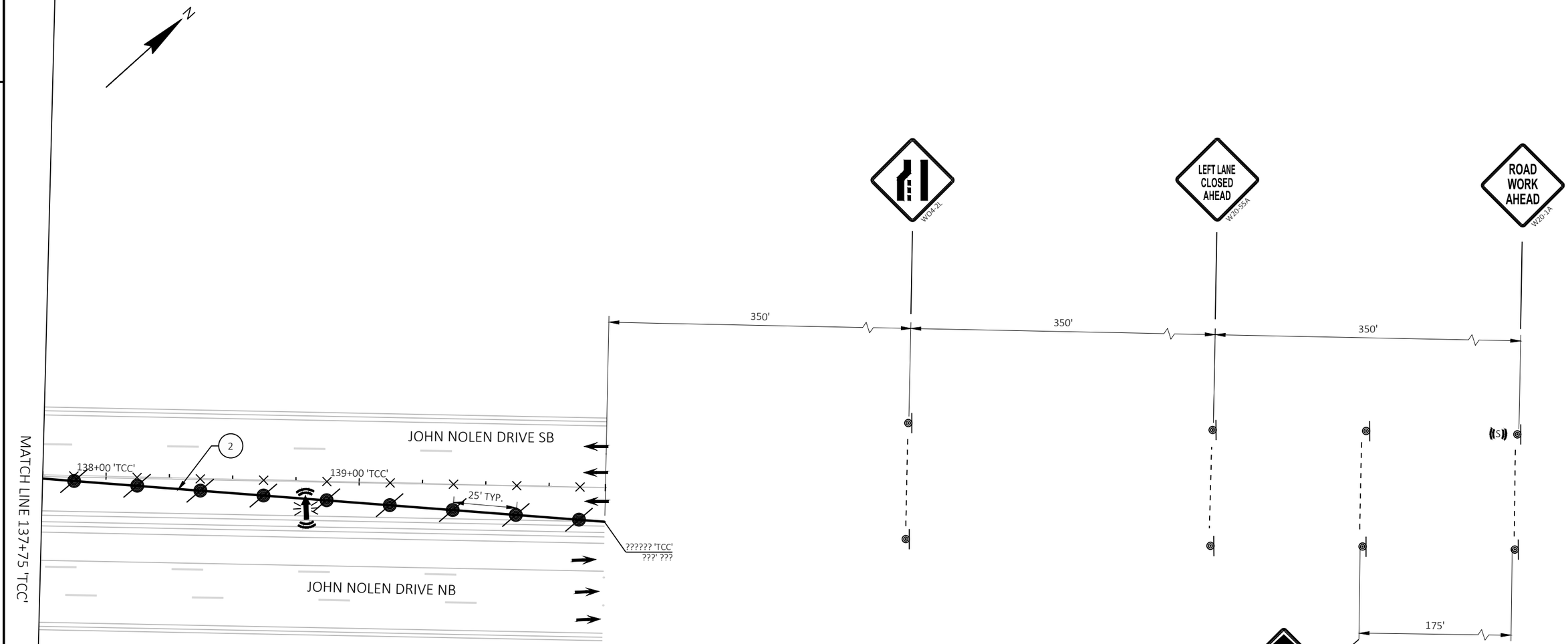
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 572	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

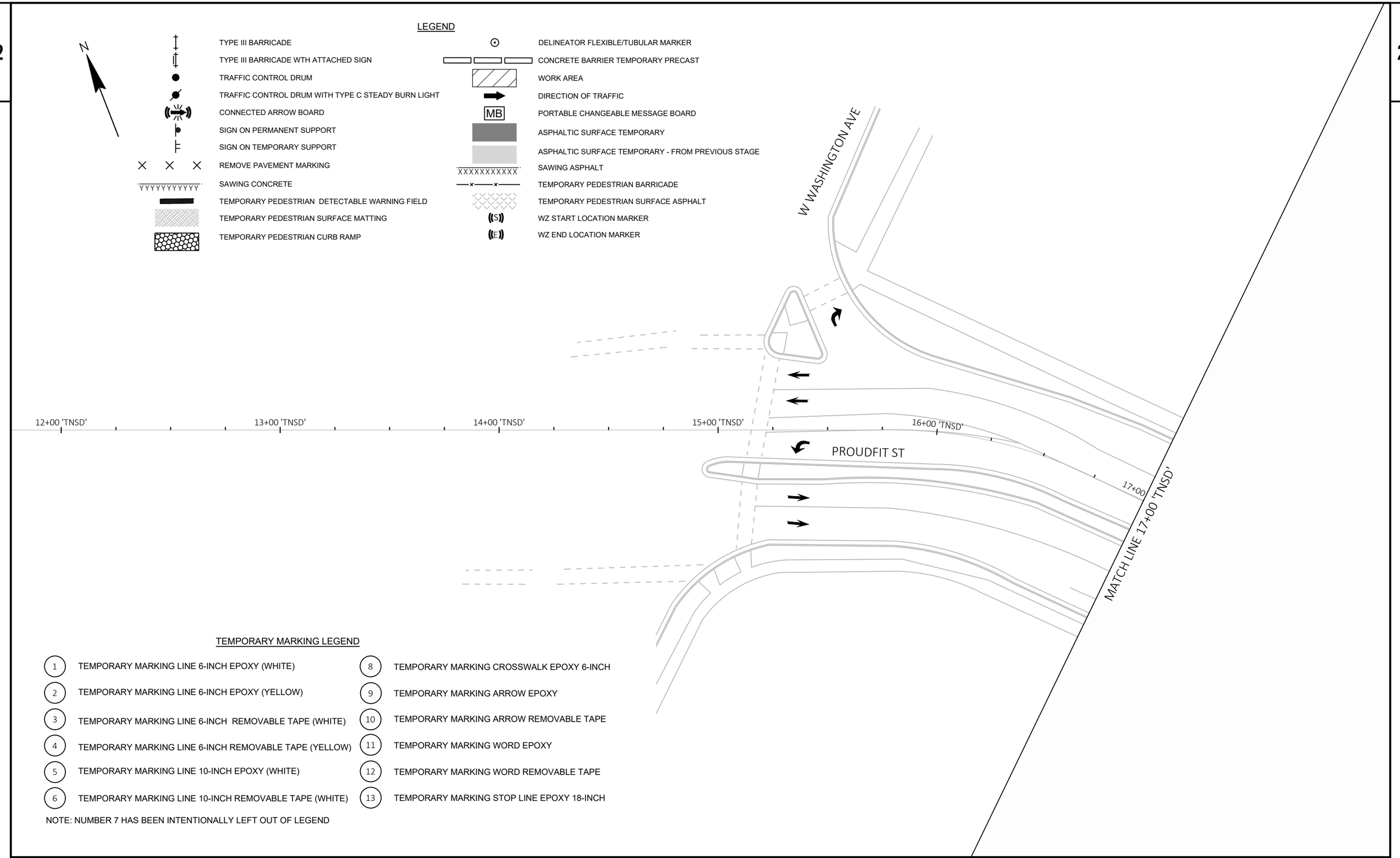
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 573	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 574	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 18

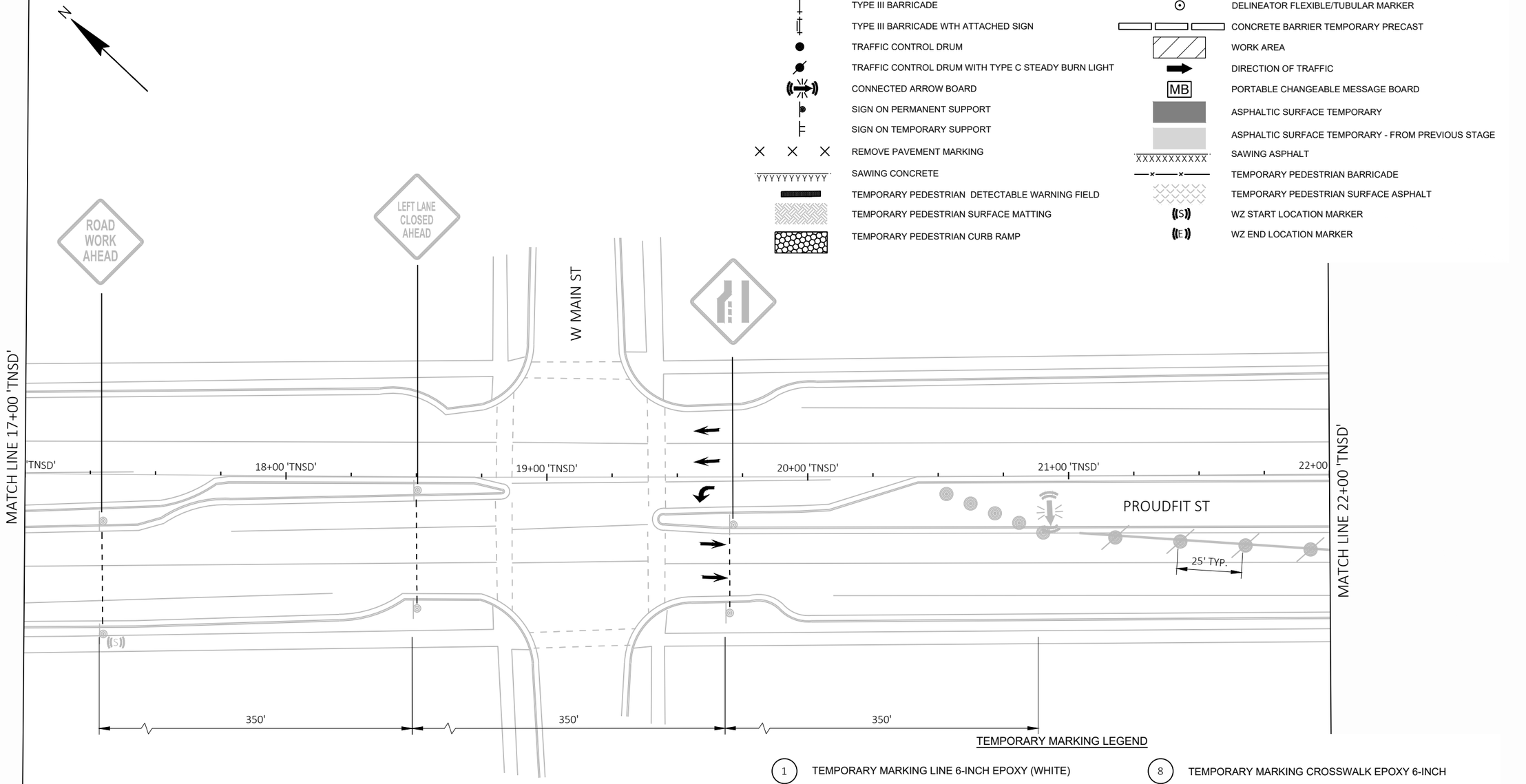
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

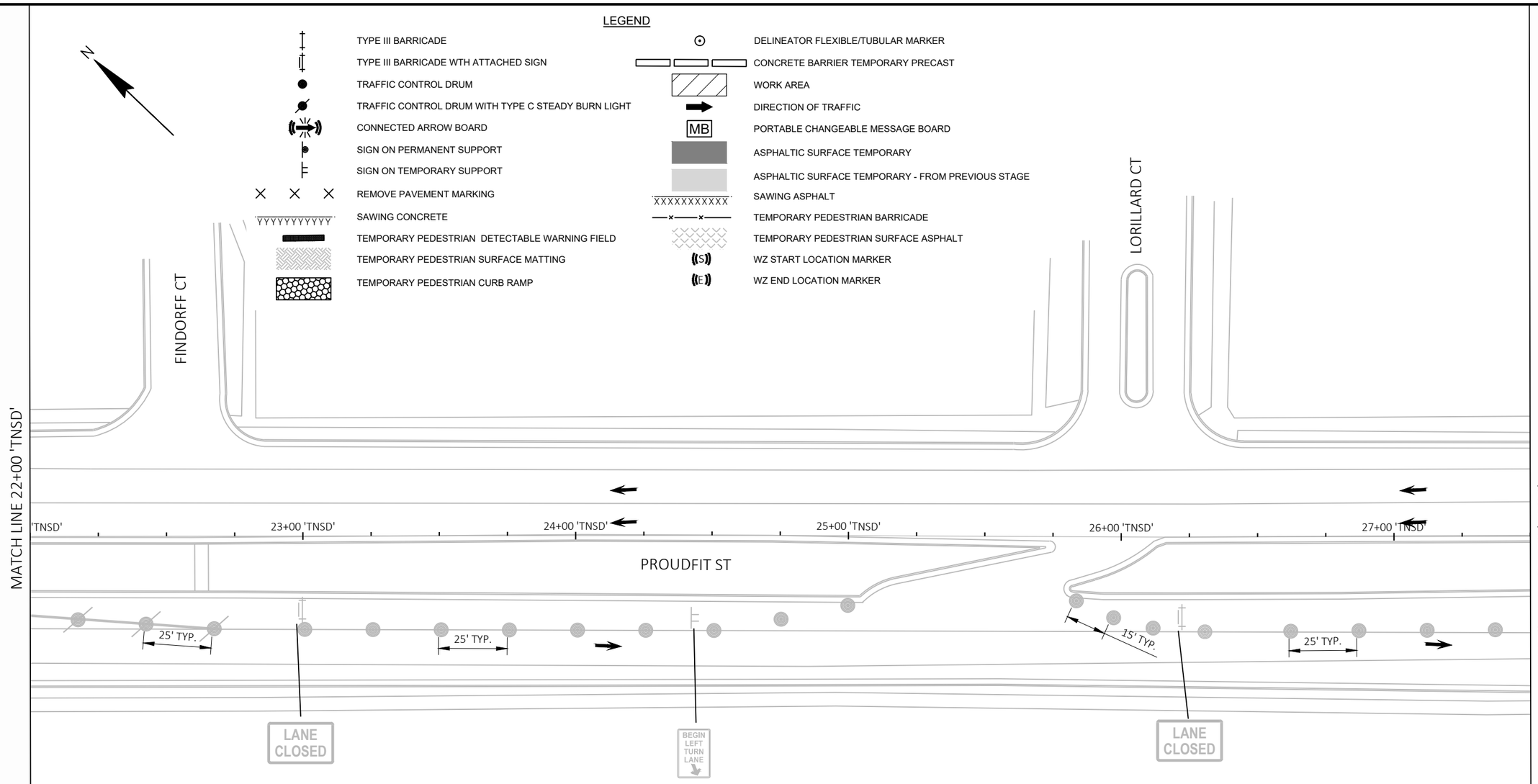
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 575	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

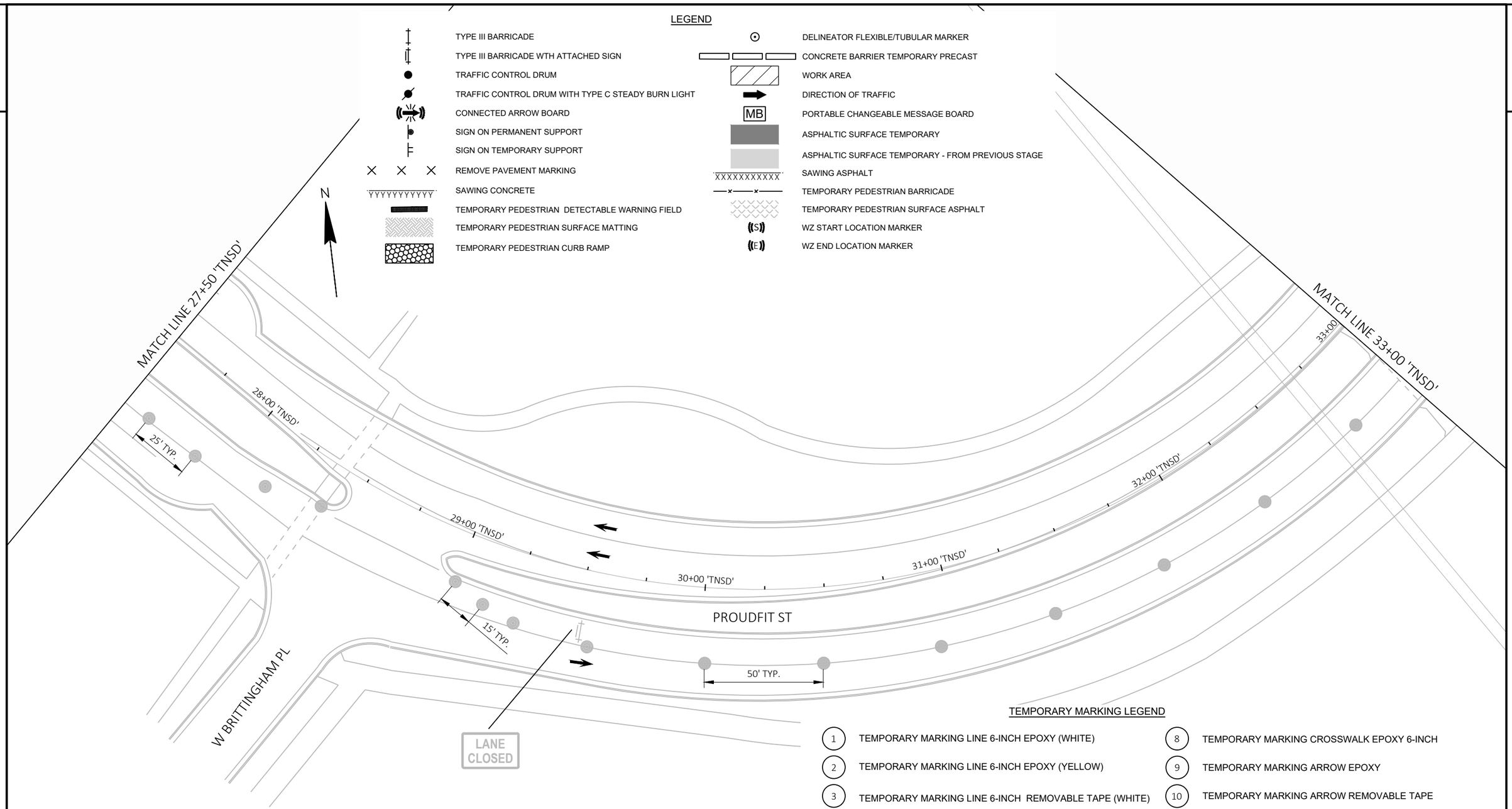
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 576	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 20
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 577	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 21
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

MATCH LINE 33+00 'TNSD'

34+00 'TNSD'

35+00 'TNSD'

36+00 'TNSD'

37+00 'TNSD'

38+00

MATCH LINE 38+00 'TNSD'

NORTH SHORE DRIVE

50' TYP.

25' TYP.

25' TYP.

BEGIN LEFT TURN LANE

LANE CLOSED

BRITTINGHAM PARK
PARKING LOT

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 578	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 22

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

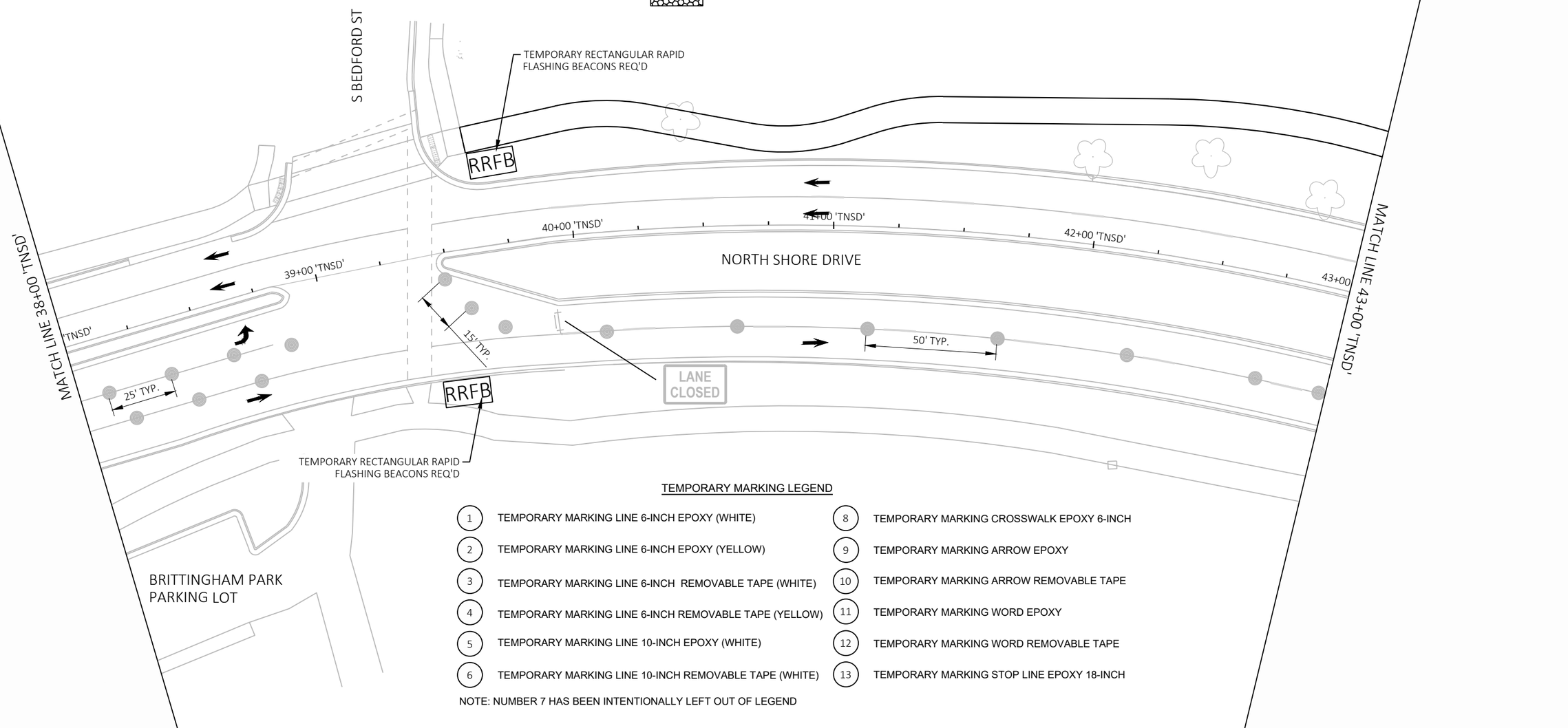
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 579	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 3.DWG
LAYOUT NAME - 23
PLOT DATE : 6/20/2025 8:09 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

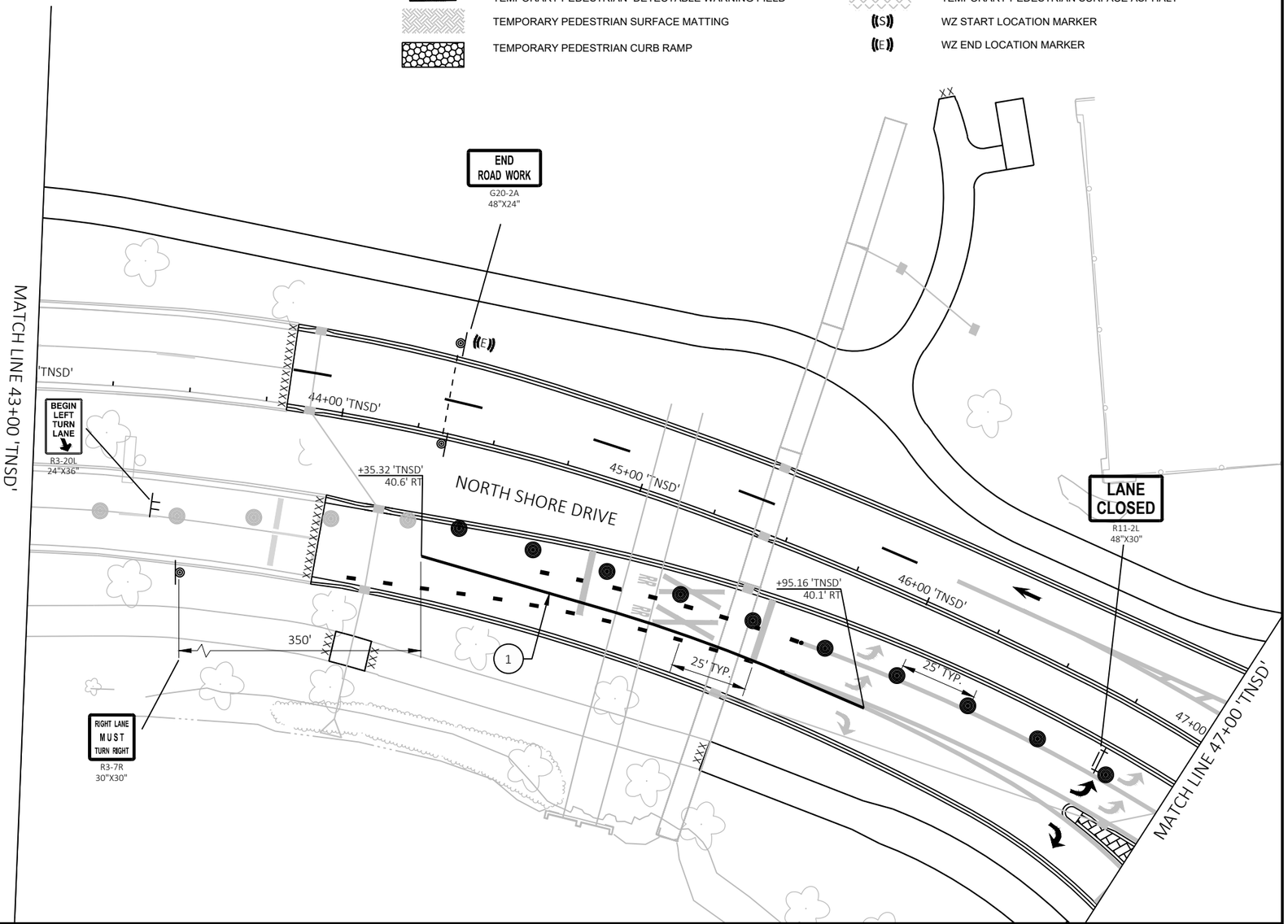
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

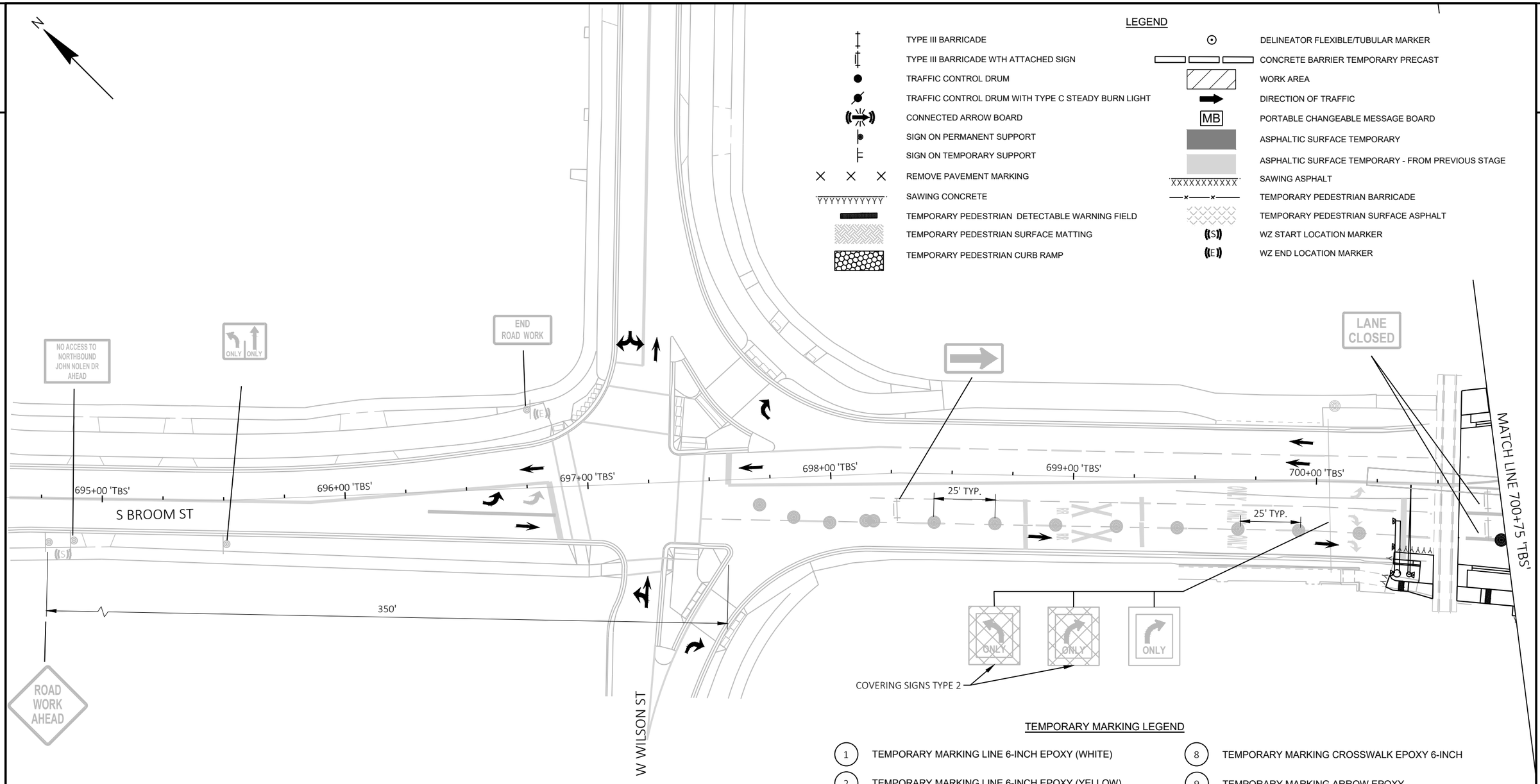


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 580	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 TRAFFIC CONTROL DETAILS	SHEET 581	E

2

TEMPORARY MARKING LEGEND

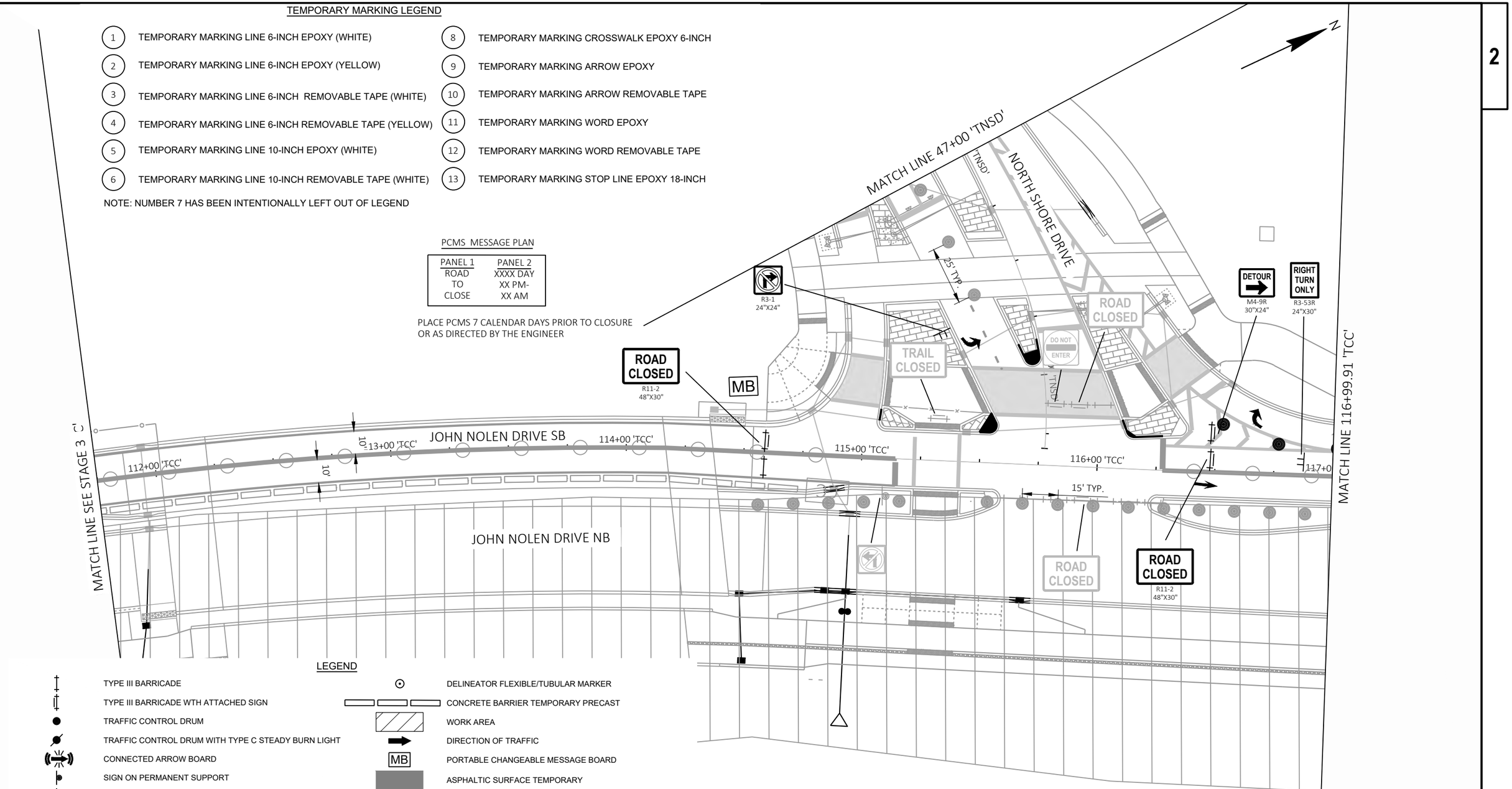
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PCMS MESSAGE PLAN

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXX DAY XX PM- XX AM

PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

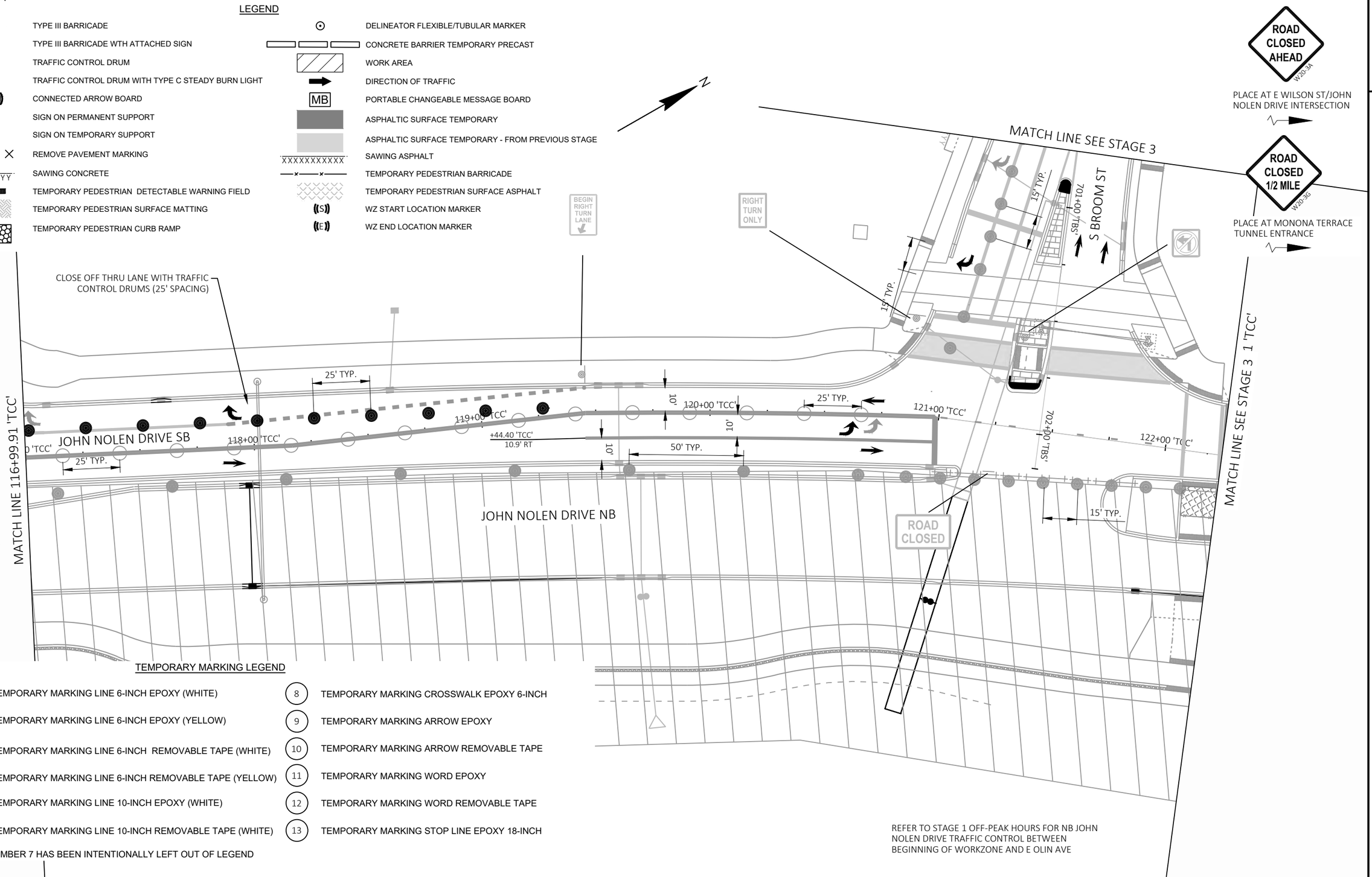
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 582	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 3.DWG
LAYOUT NAME - 01
PLOT DATE : 6/20/2025 8:09 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 583	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 3.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:10 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

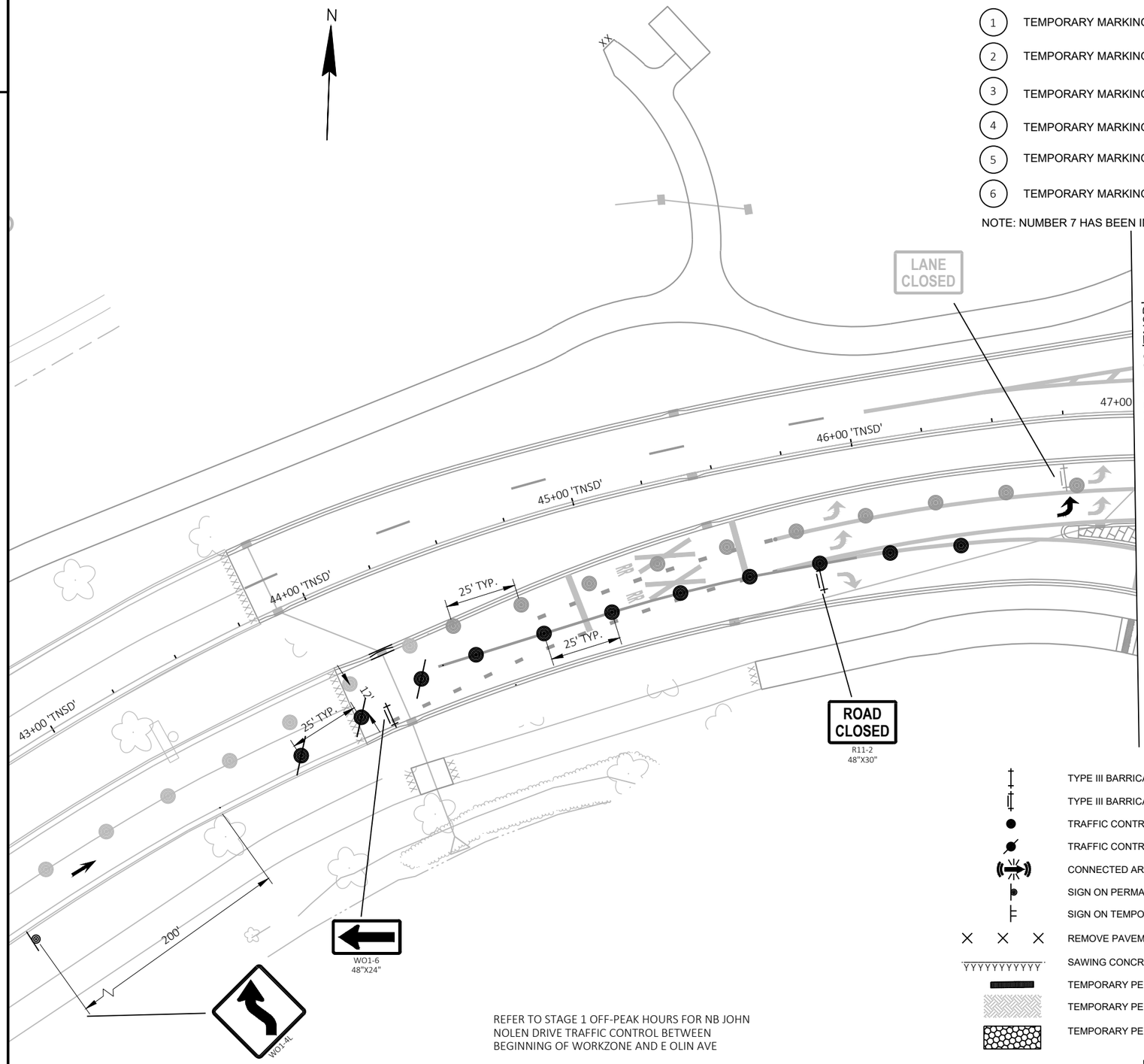
2

N

TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



REFER TO STAGE 1 OFF-PEAK HOURS FOR NB JOHN NOLEN DRIVE TRAFFIC CONTROL BETWEEN BEGINNING OF WORKZONE AND E OLIN AVE

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING	XXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 584 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 3.DWG
LAYOUT NAME - 03
PLOT DATE : 6/20/2025 8:10 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

REGENT ST

S. BEDFORD ST

BROOM ST

W WASHINGTON AVE / USH 151

PROUDFIT ST / USH 151

NORTH SHORE DR

WSOR

LAKE MONONA

CAPITAL CITY TRAIL CLOSED

S PARK ST

MONONA BAY

WSOR

JOHN NOLEN DRIVE

W SHORE DR

S SHORE DR

PARR ST

GILSON ST

W LAKESIDE ST

ROWELL ST

VAN DEUSEN ST

FISH HATCHERY RD

W OLIN AVE

PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 CAPITAL CITY TRAIL DETOUR	SHEET 585	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-CAPITAL CITY TRAIL.DWG
LAYOUT NAME - DETOUR PATH OVERVIEW

PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1:600

WISDOT/CADDS SHEET 42

2

2

DETAIL 1

N

VAN DEUSEN ST

ROWELL ST

W LAKESIDE ST

MATCHLINE A

MO4-9AR 30"X24"

MO4-9AL 30"X24"

18"X12"

R9-9A(MOD) 30"X24"

TRAIL CLOSED AHEAD

MO4-9AA 30"X24"

MO6-6R 21"X21"

R11-2T 48"X30"

TRAIL CLOSED

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 CAPITAL CITY TRAIL DETOUR	SHEET 586	E

2

2

DETAIL 2

N

W LAKESIDE ST

PARR ST

S SHORE DR

GILSON ST

MATCHLINE A

MATCHLINE B

DETOUR AHEAD
MO4-9AA
30"X24"

DETOUR
MO4-9AL
30"X24"

DETOUR
MO4-9AR
30"X24"

MO6-6L
21"X21"

MO6-6R
21"X21"

CAPITAL CITY TRAIL DETOUR
18"X12"

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 CAPITAL CITY TRAIL DETOUR	SHEET 587	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-CAPITAL CITY TRAIL.DWG
LAYOUT NAME - 02

PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

DETAIL 3

S PARK ST

W WASHINGTON AVE / USH 151

MATCHLINE B

MATCHLINE C

N

DETOUR
MO4-9AL
30"X24"

DETOUR
MO4-9AR
30"X24"

DETOUR AHEAD
MO4-9AA
30"X24"

DETOUR AHEAD
MO4-9AA
30"X24"

CAPITAL CITY TRAIL DETOUR
18"X12"

CAPITAL CITY TRAIL DETOUR
18"X12"

CAPITAL CITY TRAIL DETOUR
18"X12"

CAPITAL CITY TRAIL DETOUR
18"X12"

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 CAPITAL CITY TRAIL DETOUR	SHEET 588	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-CAPITAL CITY TRAIL.DWG
LAYOUT NAME - 03

PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

DETAIL 4

N

S. BEDFORD ST

BROOM ST

PROUDFIT ST / USH 151

NORTH SHORE DR

MATCHLINE C

DETOUR
MO4-9AR
30"X24"

DETOUR
MO4-9AL
30"X24"

DETOUR AHEAD
MO4-9AA
30"X24"

TRAIL CLOSED
R11-2T
48"X30"

DETOUR
MO4-9AR
30"X24"

TEMPORARY RECTANGULAR RAPID FLASHING BEACONS REQ'D

TEMPORARY PEDESTRIAN BARRICADE REQ'D

CAPITAL CITY TRAIL DETOUR
18"X12"

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 3 CAPITAL CITY TRAIL DETOUR	SHEET 589	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-CAPITAL CITY TRAIL.DWG
LAYOUT NAME - 04

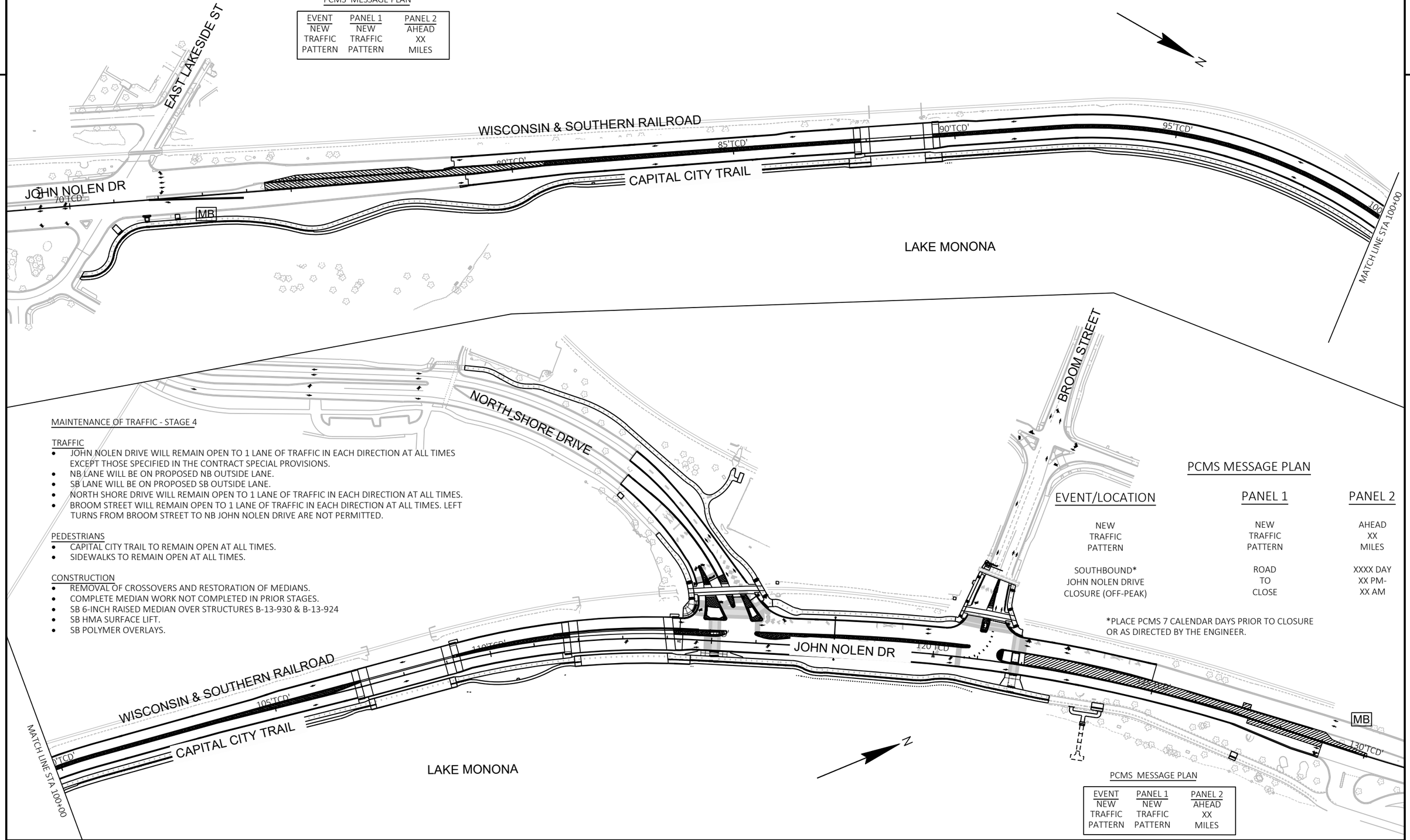
PLOT DATE : 6/20/2025 8:12 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	AHEAD XX MILES



MAINTENANCE OF TRAFFIC - STAGE 4

TRAFFIC
- JOHN NOLEN DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES EXCEPT THOSE SPECIFIED IN THE CONTRACT SPECIAL PROVISIONS.
- NB LANE WILL BE ON PROPOSED NB OUTSIDE LANE.
- SB LANE WILL BE ON PROPOSED SB OUTSIDE LANE.
- NORTH SHORE DRIVE WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.
- BROOM STREET WILL REMAIN OPEN TO 1 LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES. LEFT TURNS FROM BROOM STREET TO NB JOHN NOLEN DRIVE ARE NOT PERMITTED.

PEDESTRIANS
- CAPITAL CITY TRAIL TO REMAIN OPEN AT ALL TIMES.
- SIDEWALKS TO REMAIN OPEN AT ALL TIMES.

CONSTRUCTION
- REMOVAL OF CROSSOVERS AND RESTORATION OF MEDIANS.
- COMPLETE MEDIAN WORK NOT COMPLETED IN PRIOR STAGES.
- SB 6-INCH RAISED MEDIAN OVER STRUCTURES B-13-930 & B-13-924
- SB HMA SURFACE LIFT.
- SB POLYMER OVERLAYS.

PCMS MESSAGE PLAN

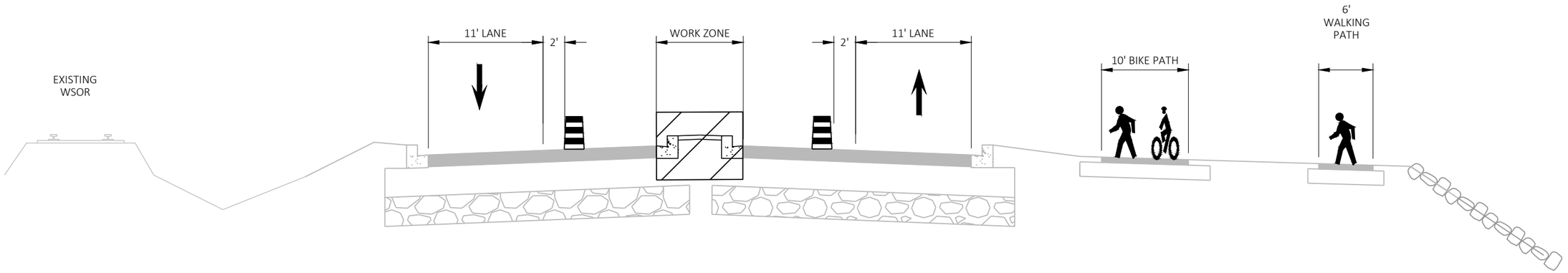
EVENT/LOCATION	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	AHEAD XX MILES
SOUTHBOUND* JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	ROAD TO CLOSE	XXXX DAY XX PM- XX AM

*PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER.

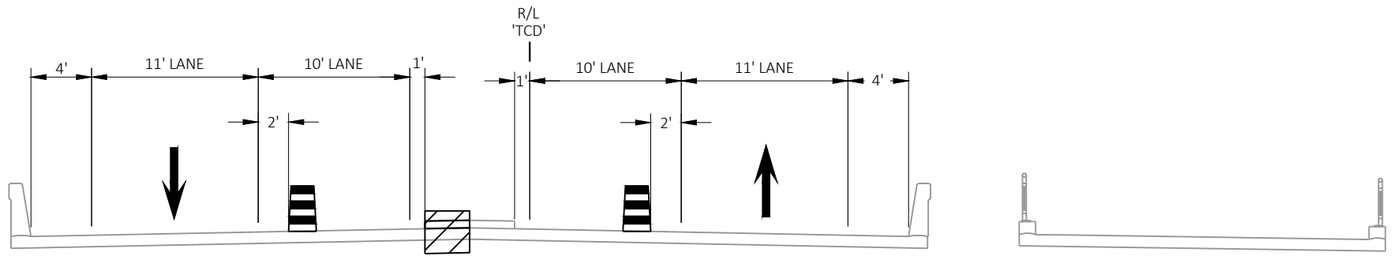
PCMS MESSAGE PLAN

EVENT	PANEL 1	PANEL 2
NEW TRAFFIC PATTERN	NEW TRAFFIC PATTERN	AHEAD XX MILES

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET 590	E



TYPICAL SECTION JOHN NOLEN DRIVE - STAGE 4

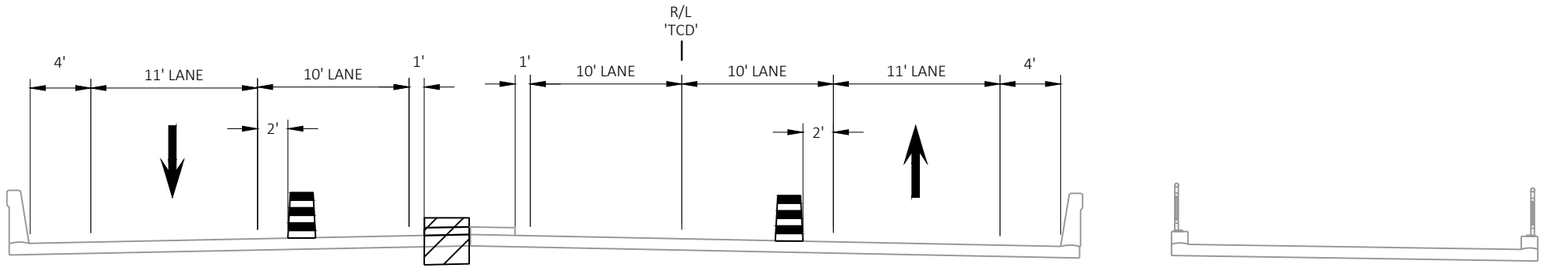


TYPICAL SECTION STRUCTURES (B-13-930) - STAGE 4

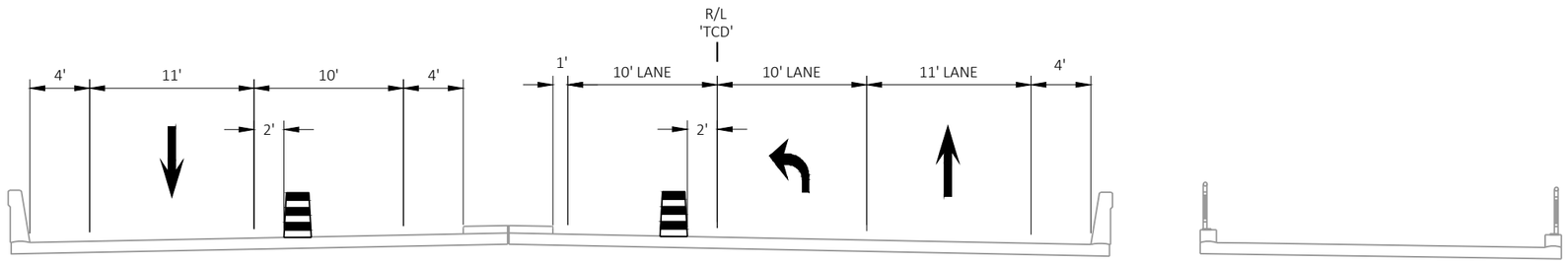
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TYPICAL SECTIONS	SHEET 591	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC_TS.DWG
LAYOUT NAME - 09-Stage 4

PLOT DATE : 6/20/2025 8:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



TYPICAL SECTION STRUCTURES (B-13-924) - STAGE 4



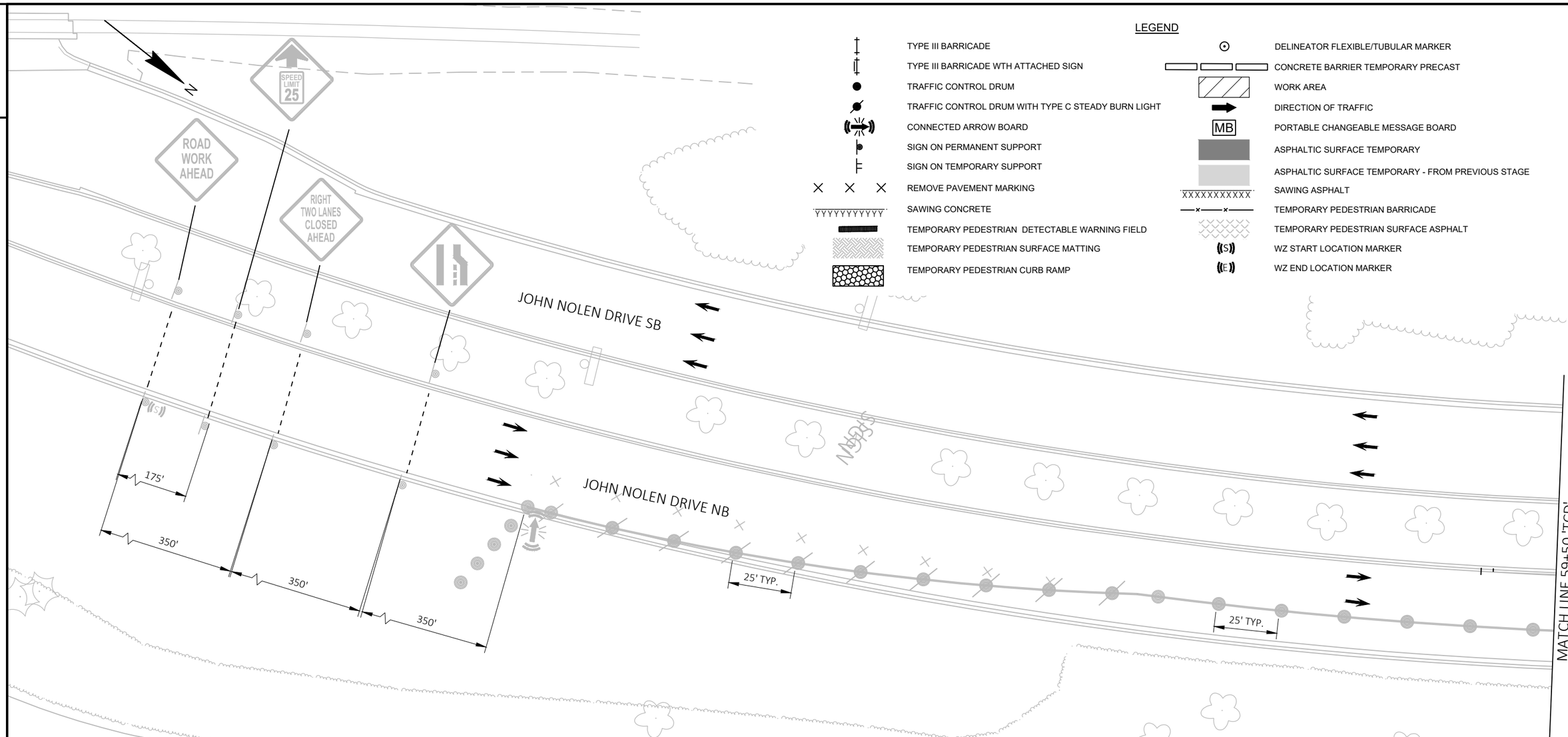
TYPICAL SECTION STRUCTURES (B-13-926) - STAGE 4

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TYPICAL SECTIONS	SHEET 592	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC_TS.DWG
LAYOUT NAME - 10-Stage 4

PLOT DATE : 6/20/2025 8:06 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

TEMPORARY MARKING LEGEND

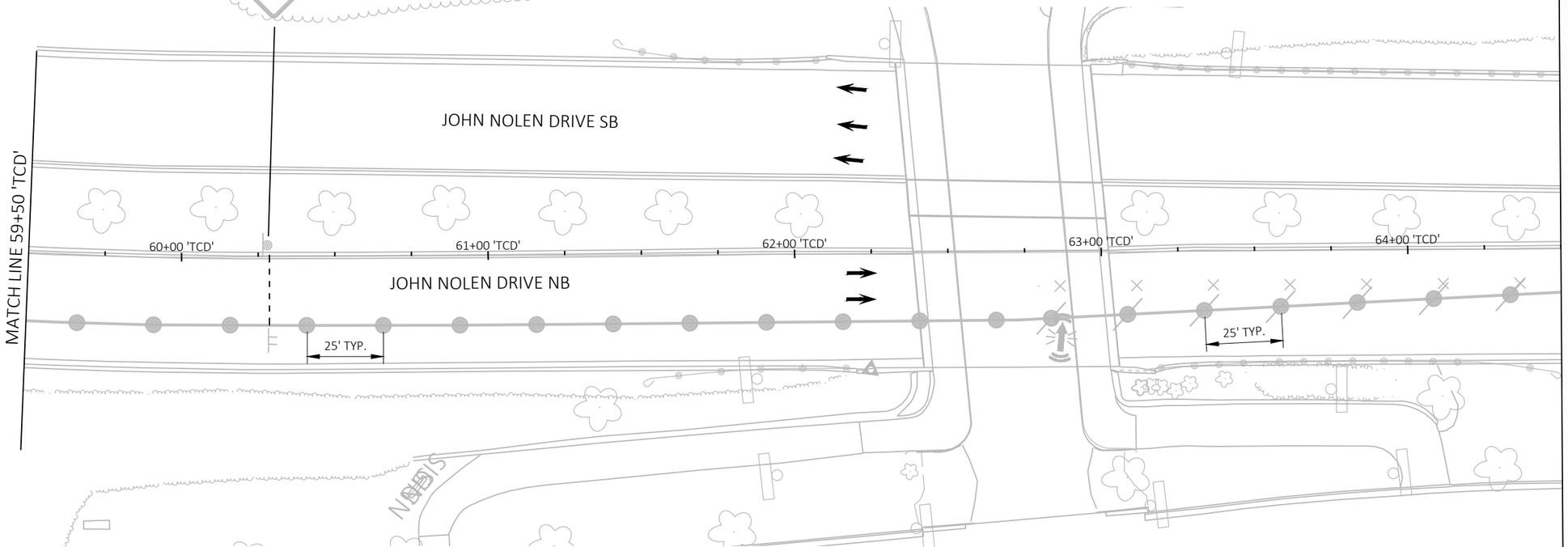
1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9	TEMPORARY MARKING ARROW EPOXY
10	TEMPORARY MARKING ARROW REMOVABLE TAPE
11	TEMPORARY MARKING WORD EPOXY
12	TEMPORARY MARKING WORD REMOVABLE TAPE
13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

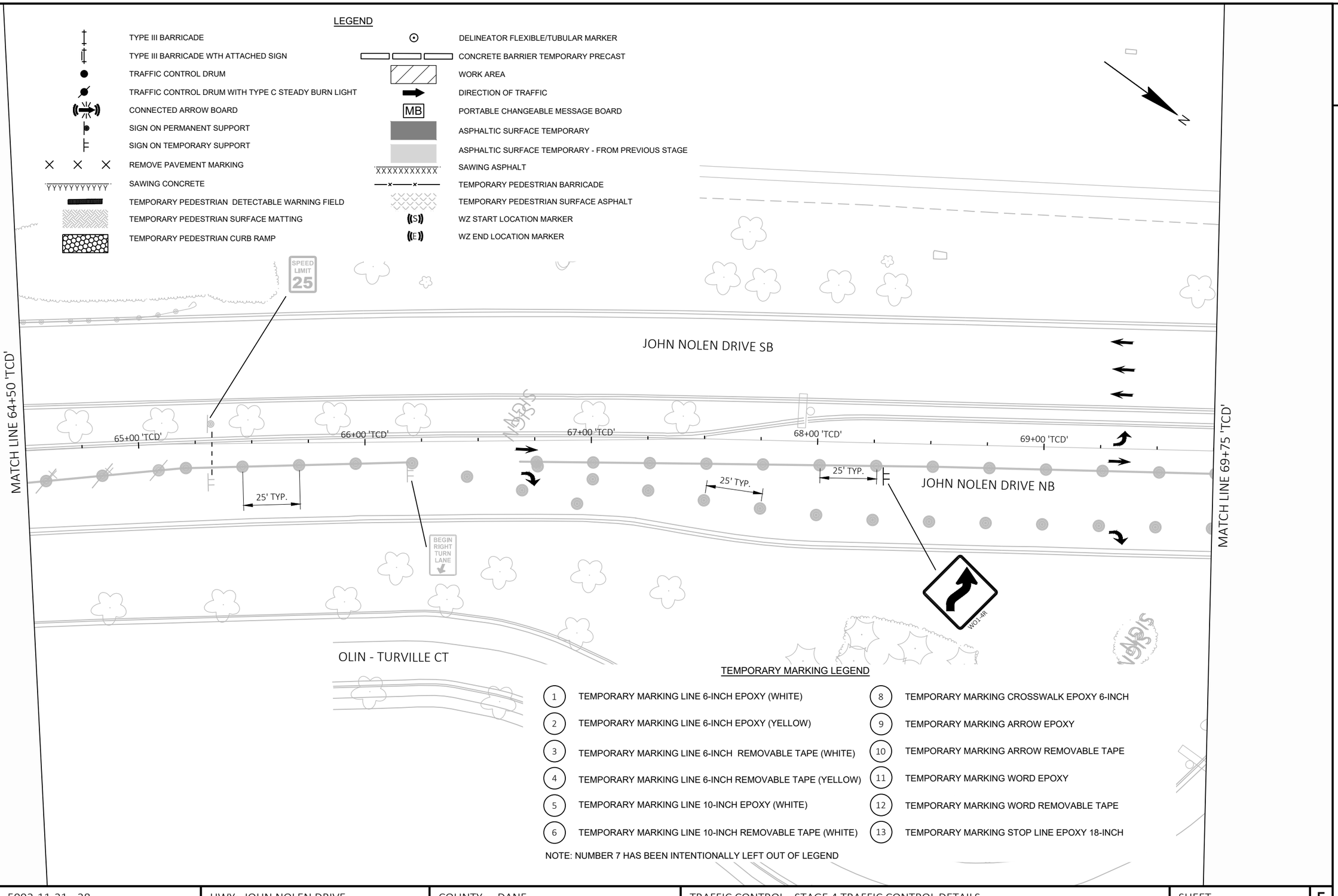
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- XXXXXXXXXXX — SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



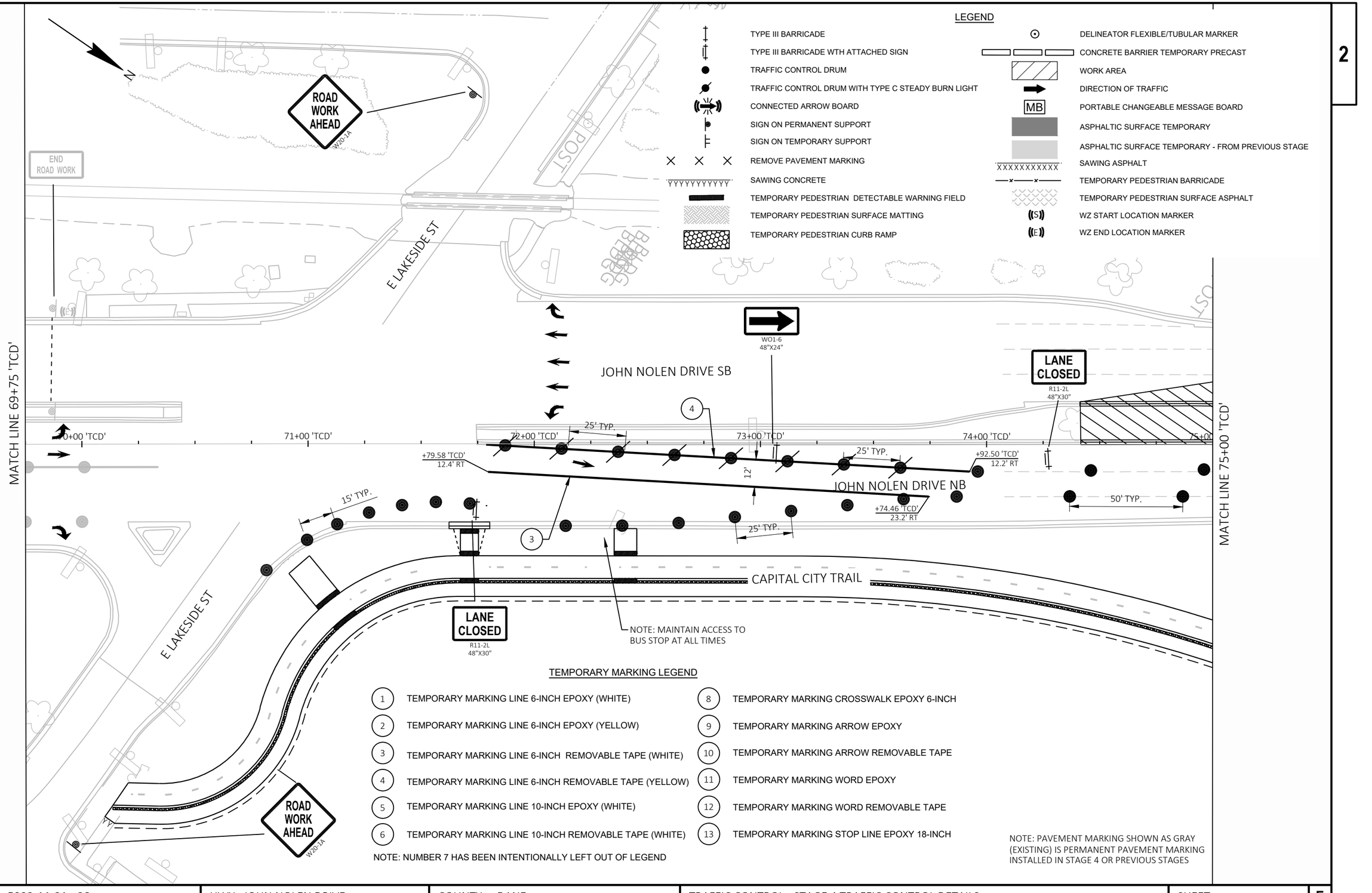
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 595	E

2



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

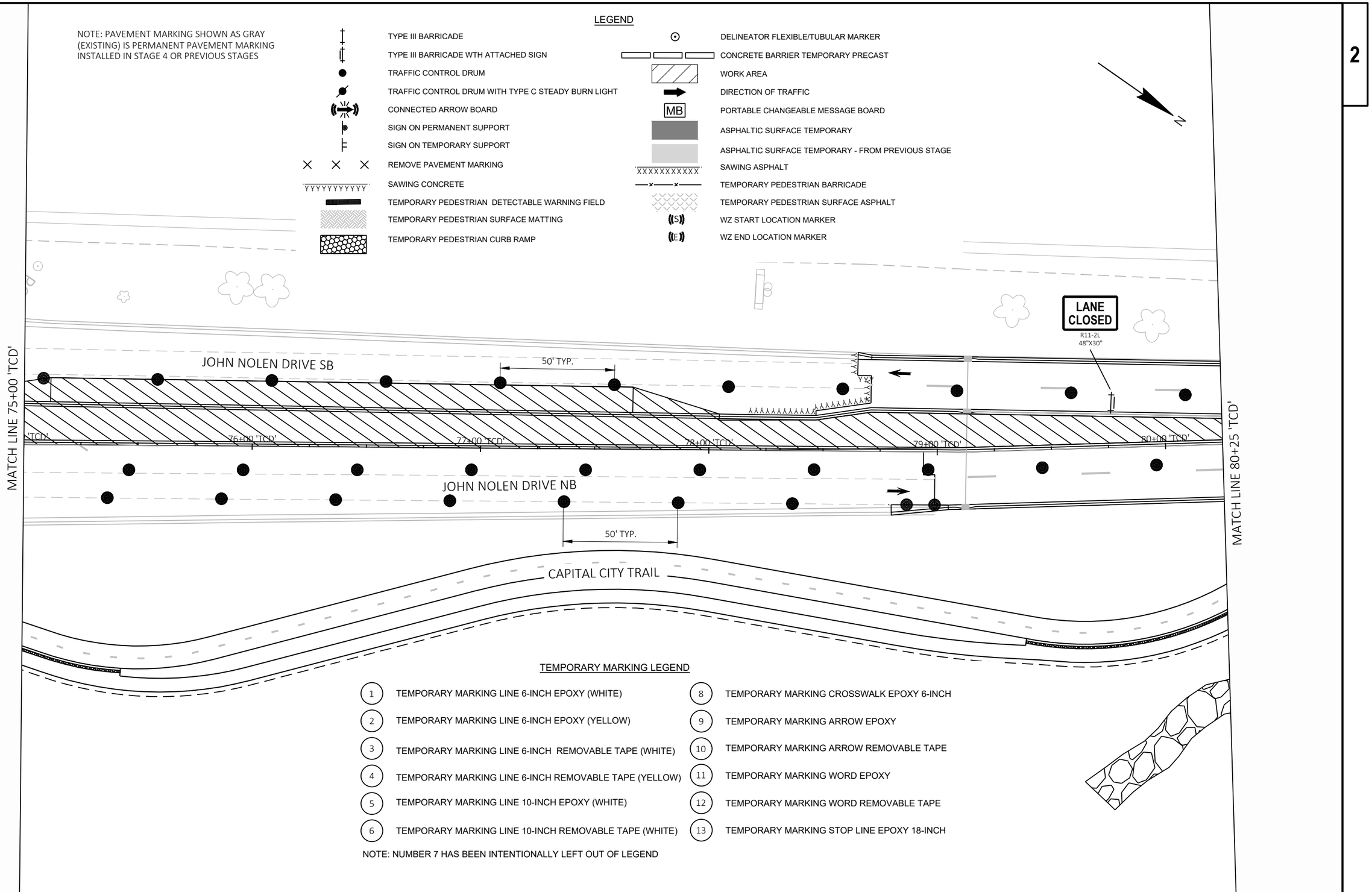
NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 596	E

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

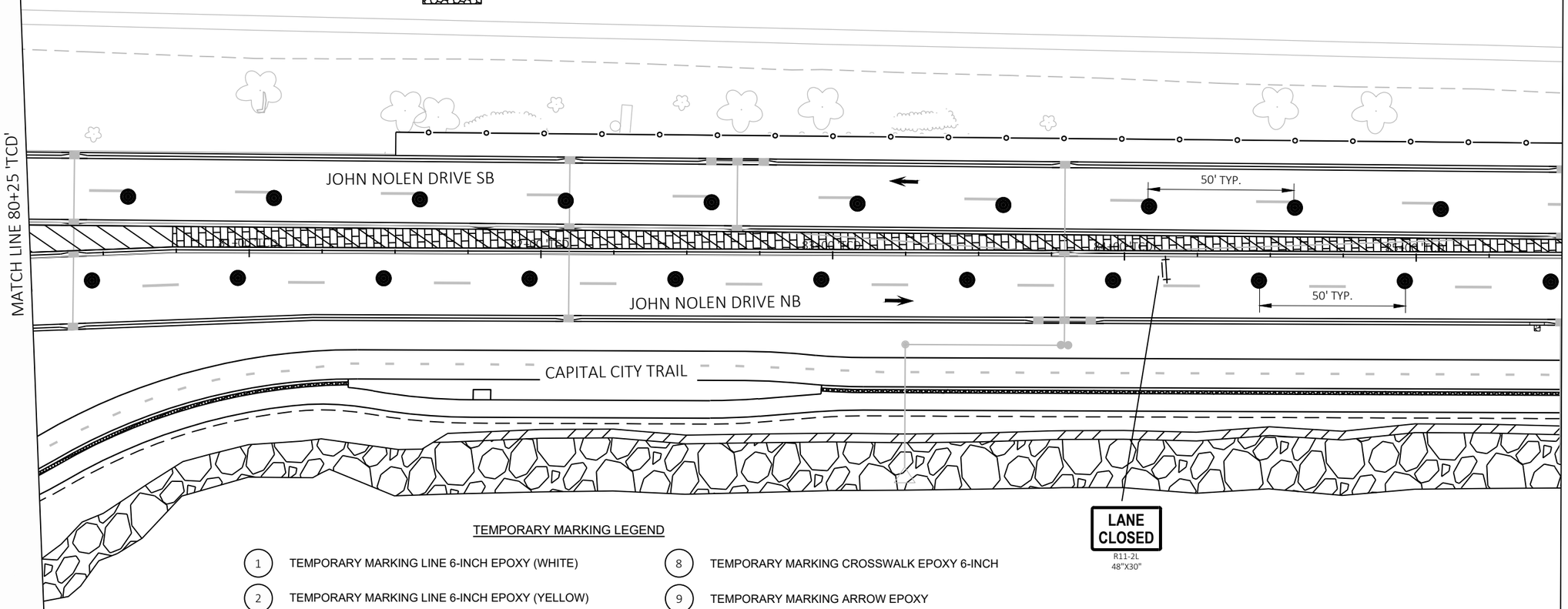
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 597	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 05
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

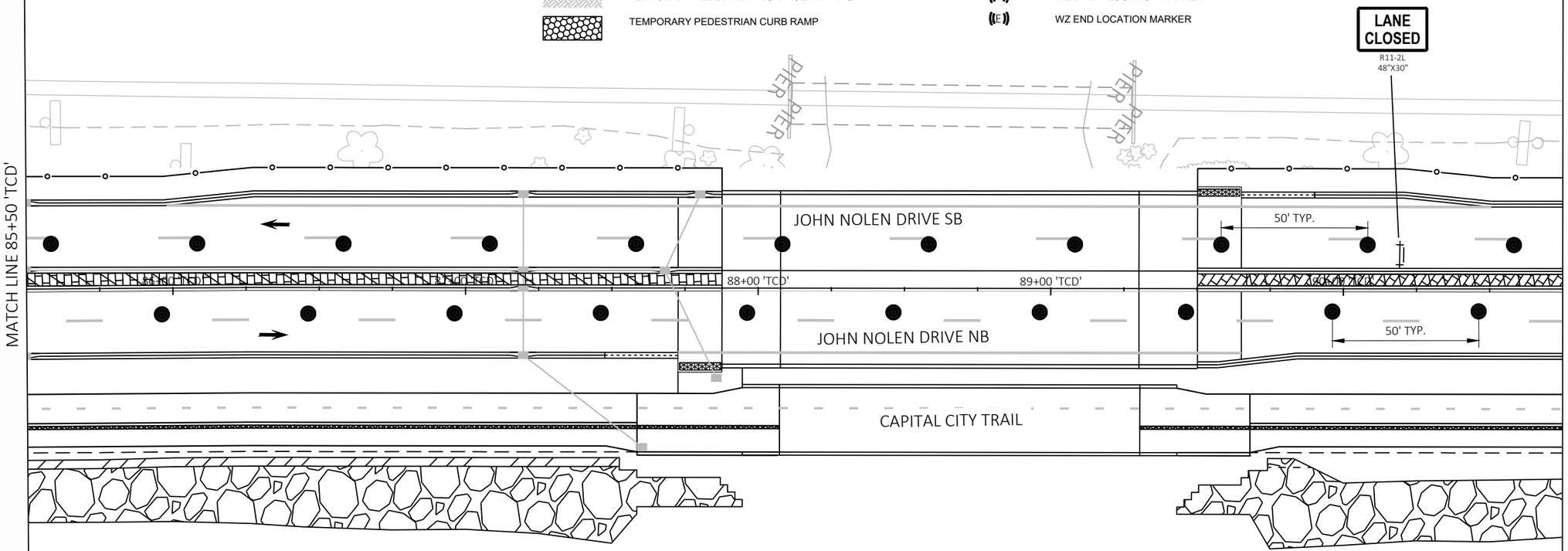
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 598	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 06
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

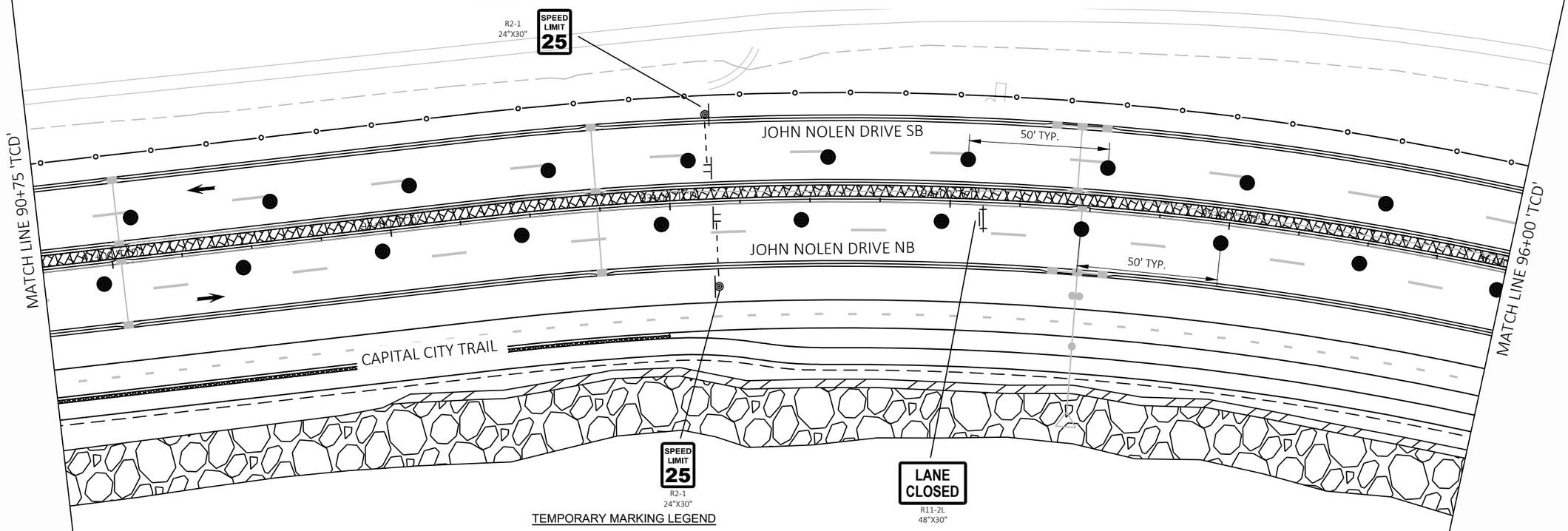
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2

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 600	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 08
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

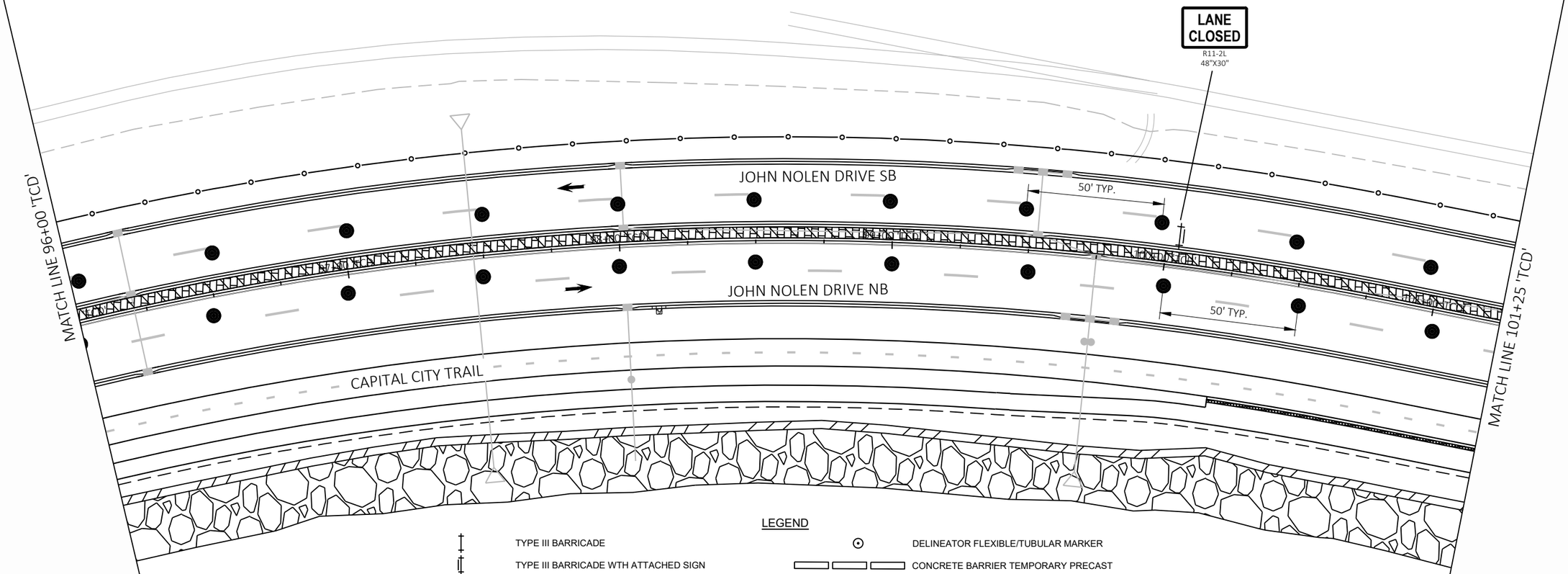
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NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 601	E

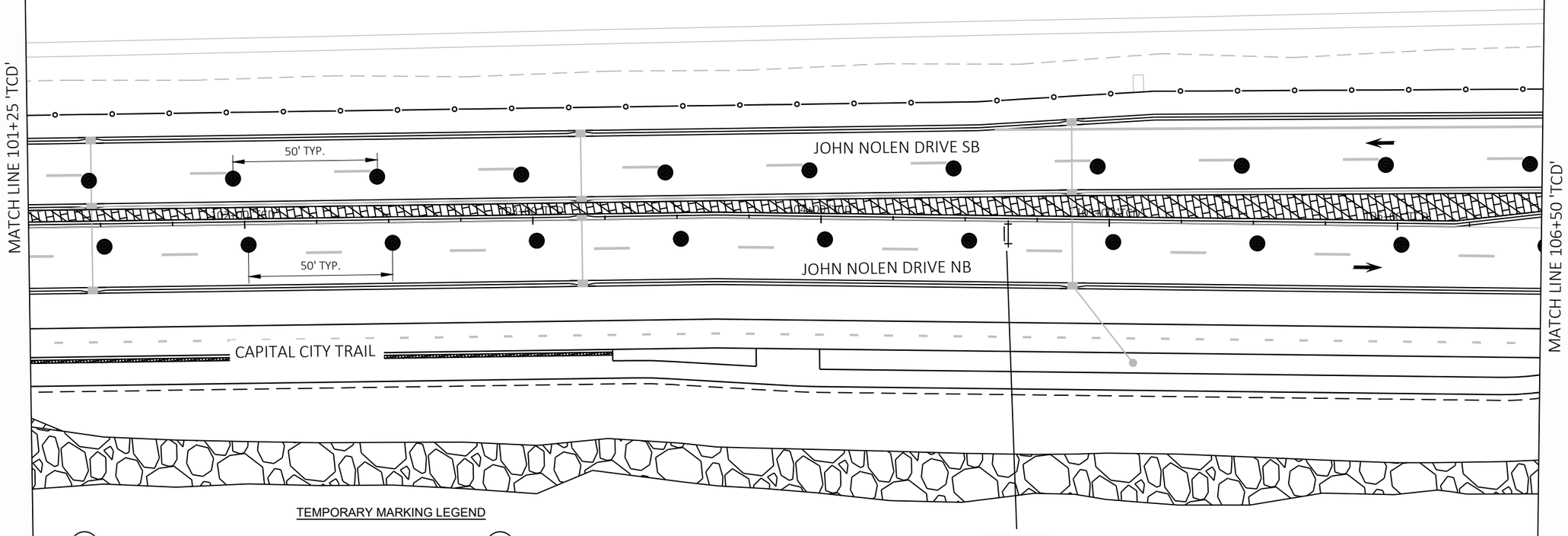
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NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

N



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 602	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 10

PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

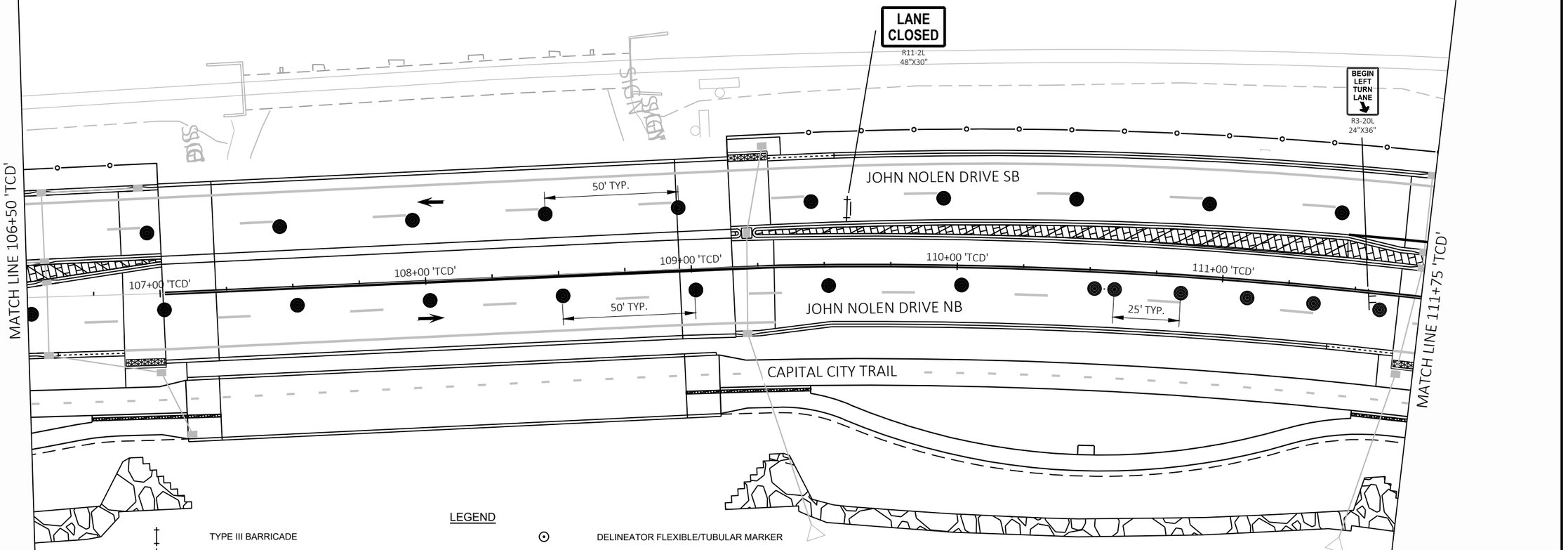
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NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND



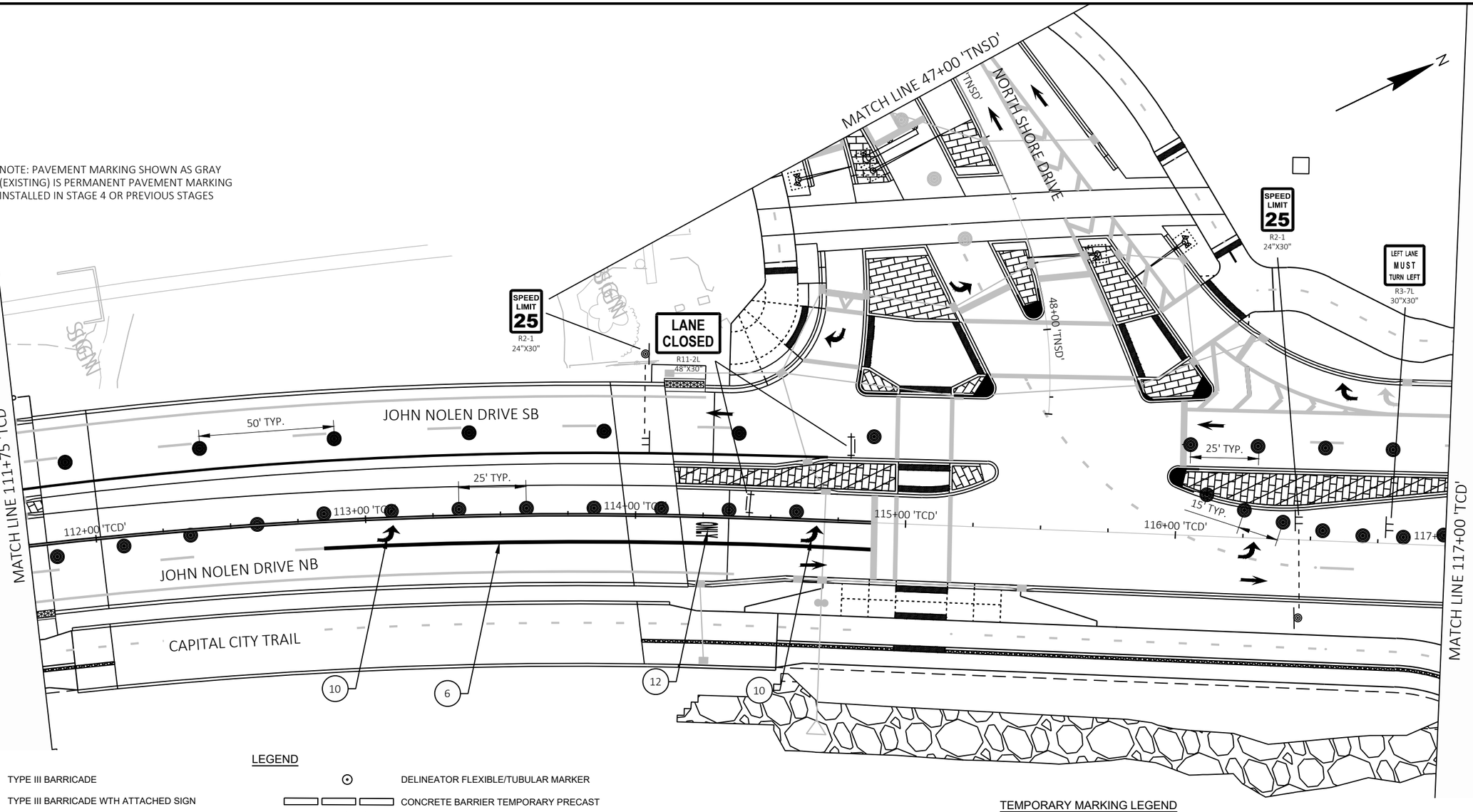
LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 603	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 11
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

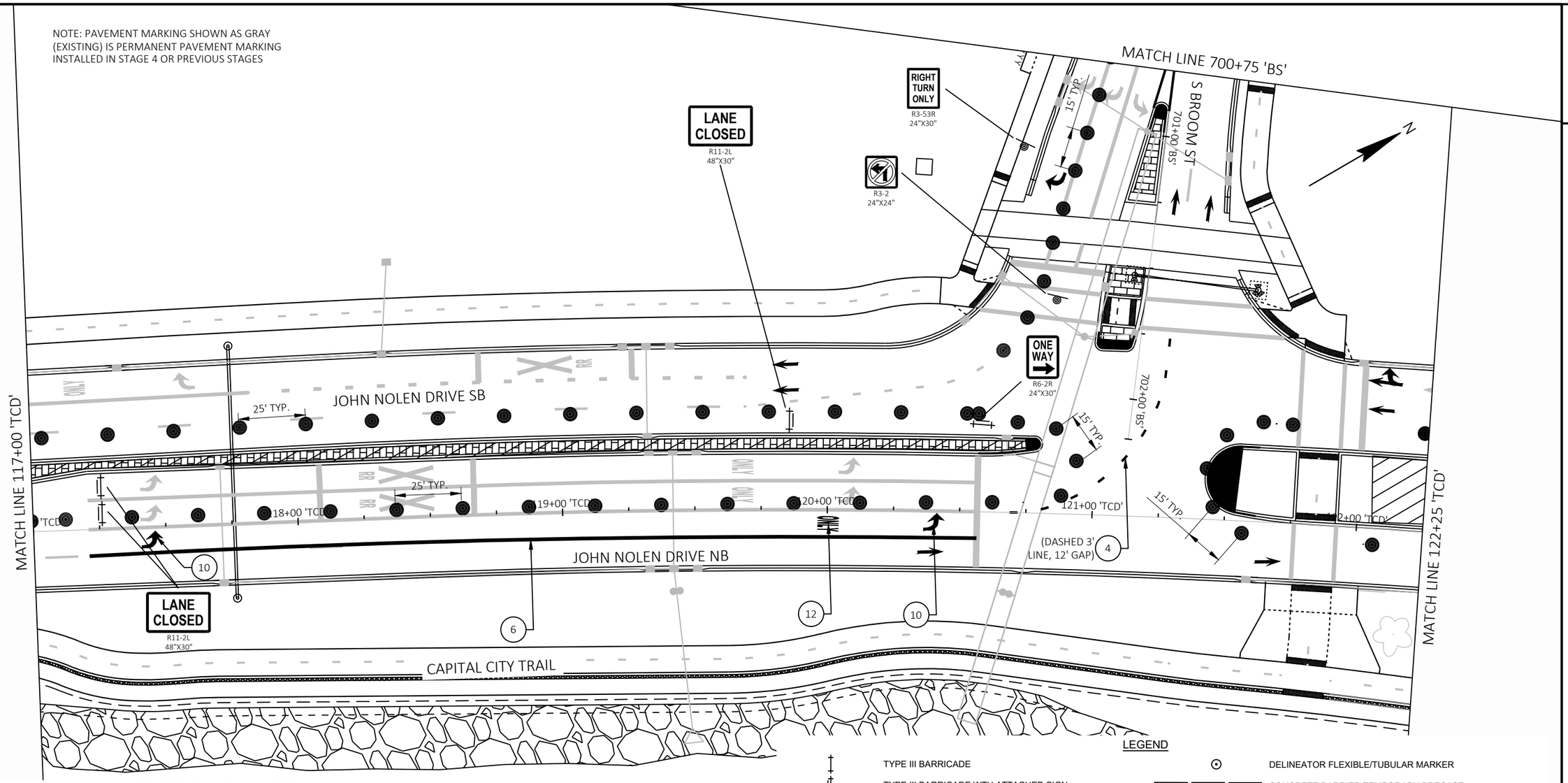
1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 604	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 12
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTE: PAVEMENT MARKING SHOWN AS GRAY (EXISTING) IS PERMANENT PAVEMENT MARKING INSTALLED IN STAGE 4 OR PREVIOUS STAGES



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
	REMOVE PAVEMENT MARKING	XXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 605	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 13
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

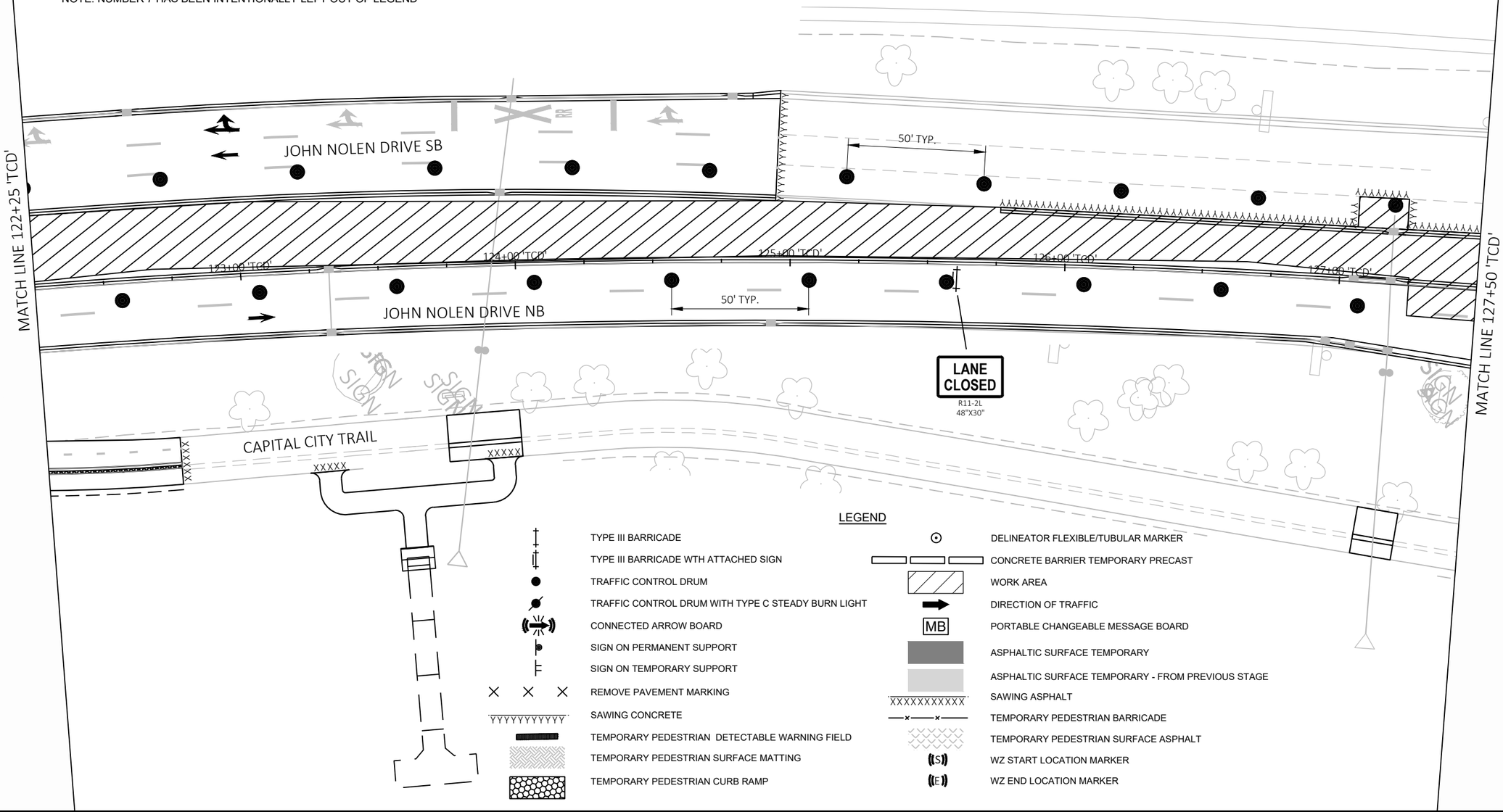
2

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

N



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER (S)
- WZ END LOCATION MARKER (E)

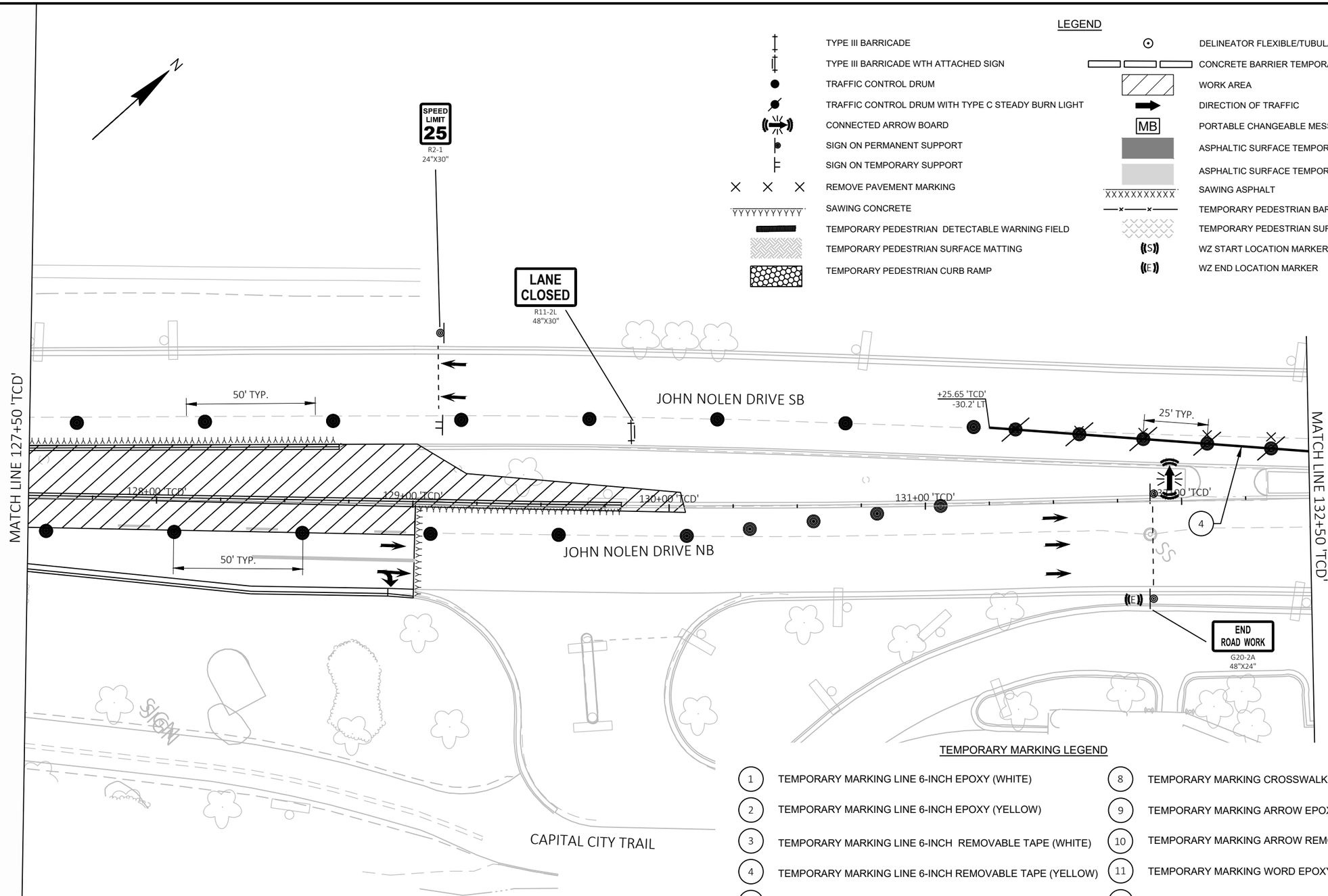
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 606	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 14
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

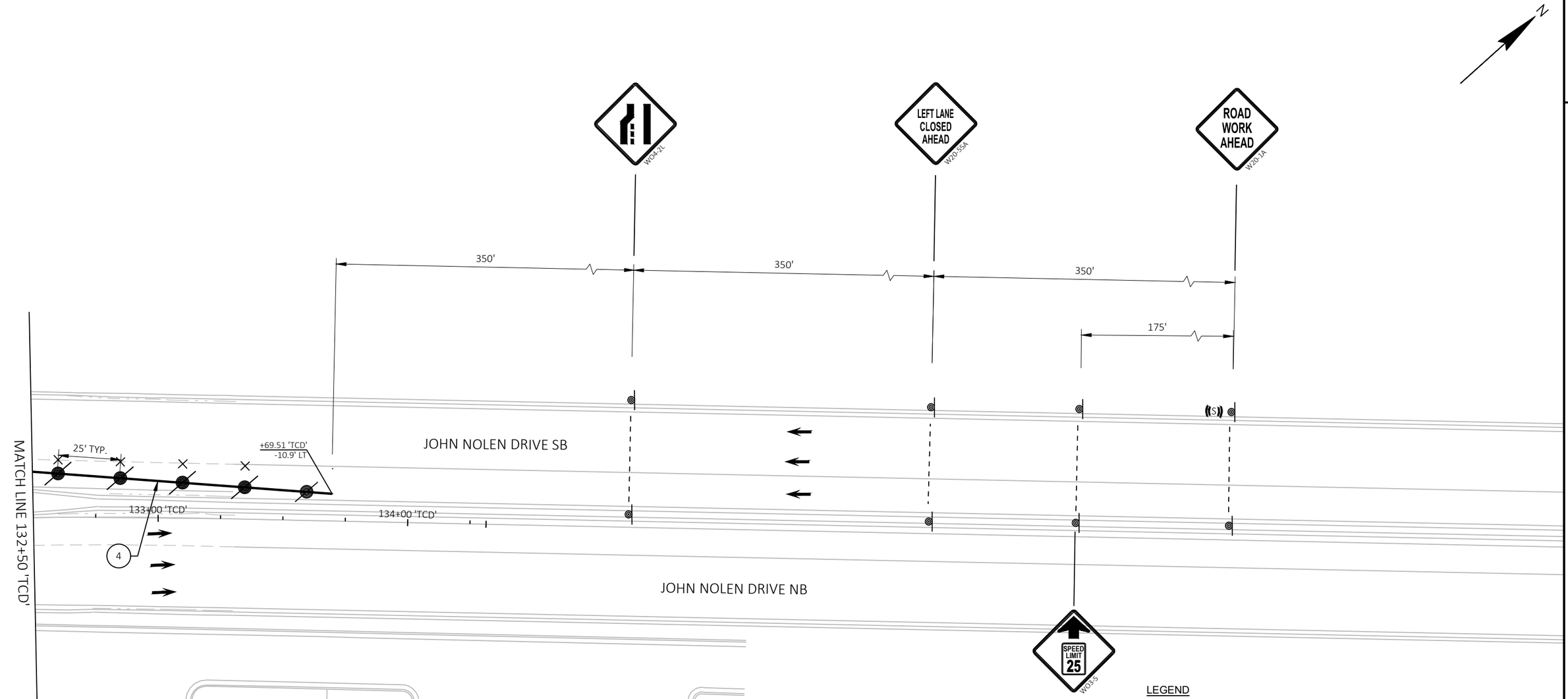
1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 607 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 15
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

	TYPE III BARRICADE		DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE III BARRICADE WTH ATTACHED SIGN		CONCRETE BARRIER TEMPORARY PRECAST
	TRAFFIC CONTROL DRUM		WORK AREA
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT		DIRECTION OF TRAFFIC
	CONNECTED ARROW BOARD	MB	PORTABLE CHANGEABLE MESSAGE BOARD
	SIGN ON PERMANENT SUPPORT		ASPHALTIC SURFACE TEMPORARY
	SIGN ON TEMPORARY SUPPORT		ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
X X X	REMOVE PAVEMENT MARKING	XXXXXXXXXX	SAWING ASPHALT
YYYYYYYYYY	SAWING CONCRETE		TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD		TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY PEDESTRIAN SURFACE MATTING	(S)	WZ START LOCATION MARKER
	TEMPORARY PEDESTRIAN CURB RAMP	(E)	WZ END LOCATION MARKER

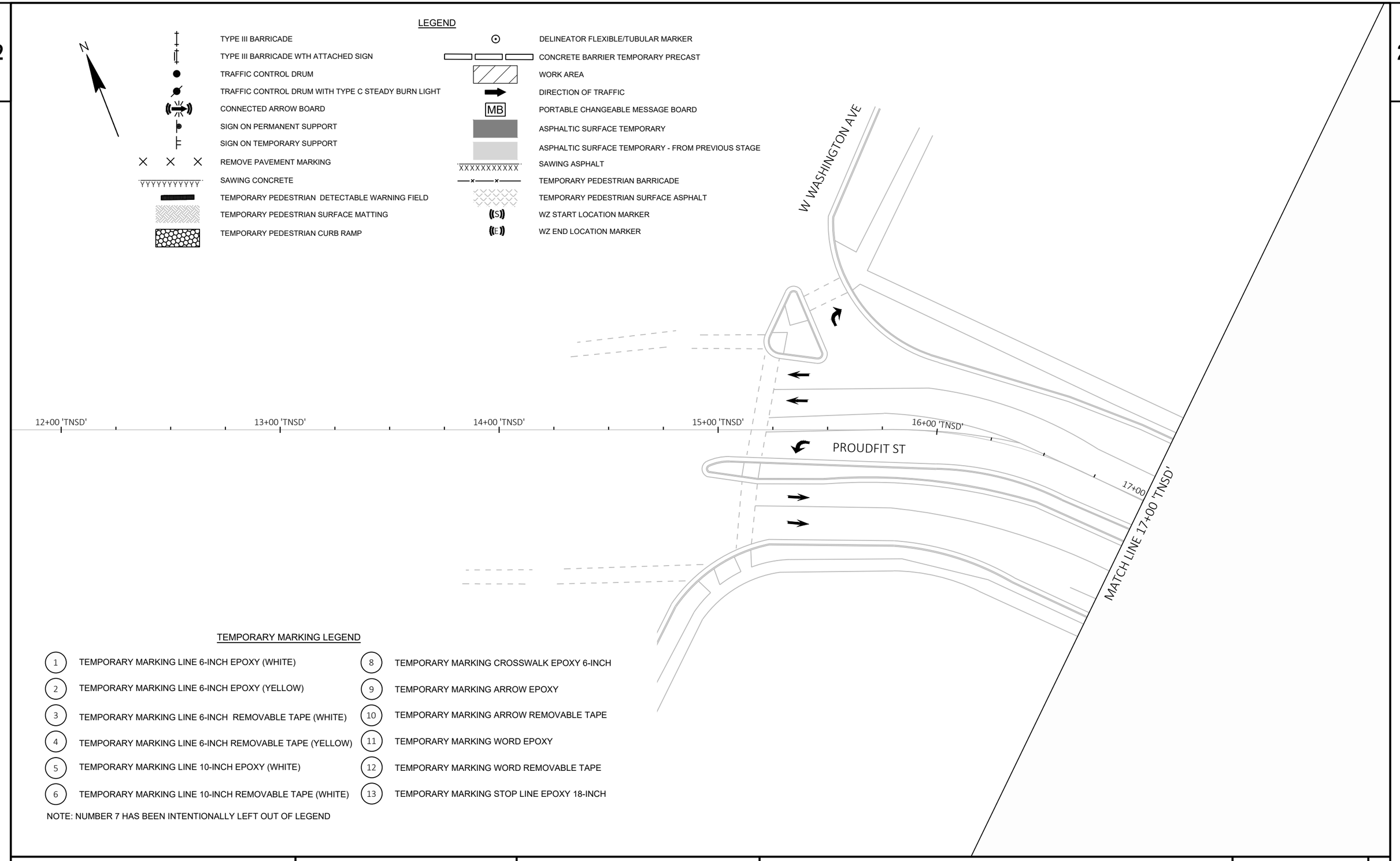
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 608	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 16
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

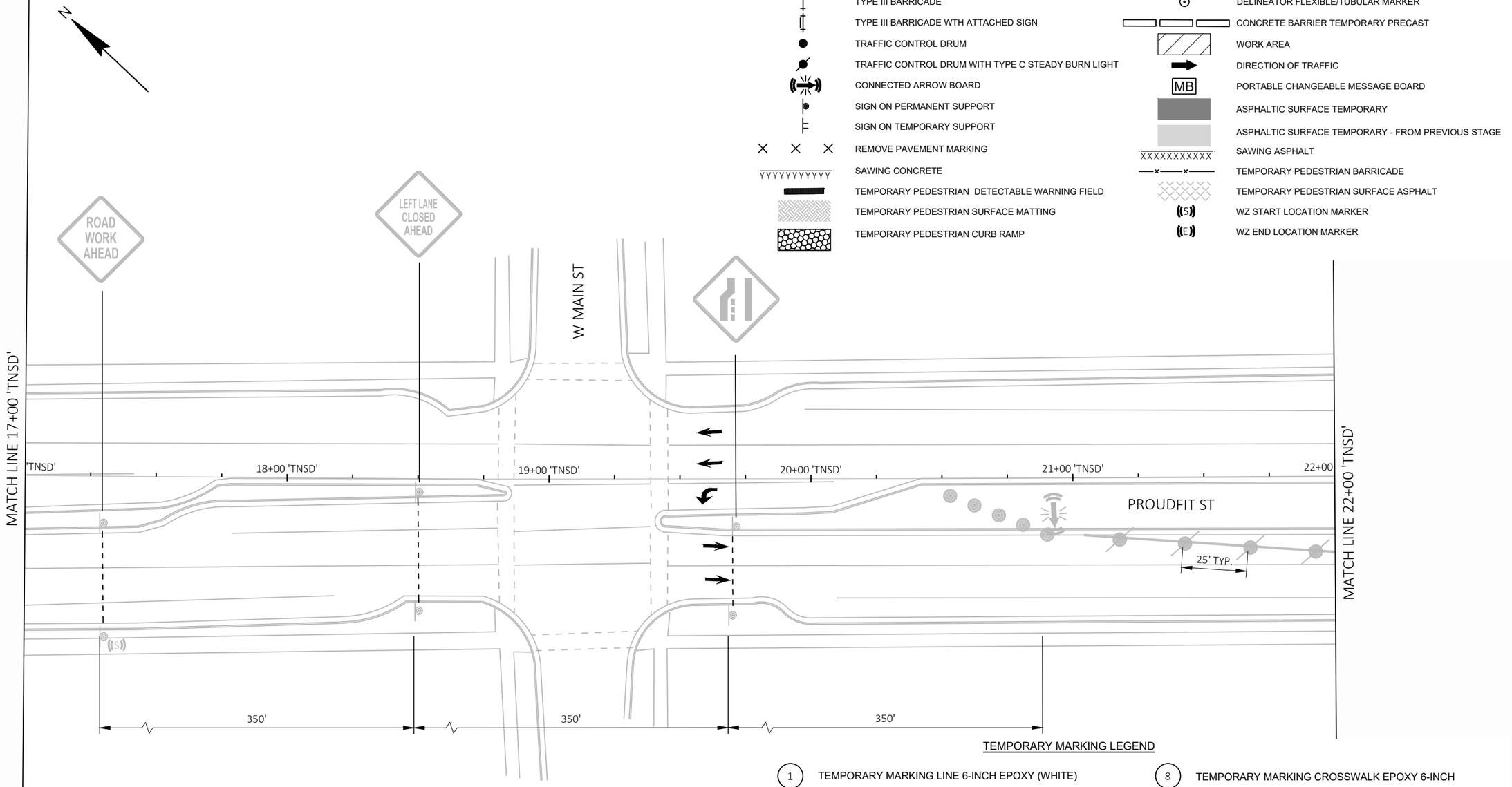
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 609	E

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

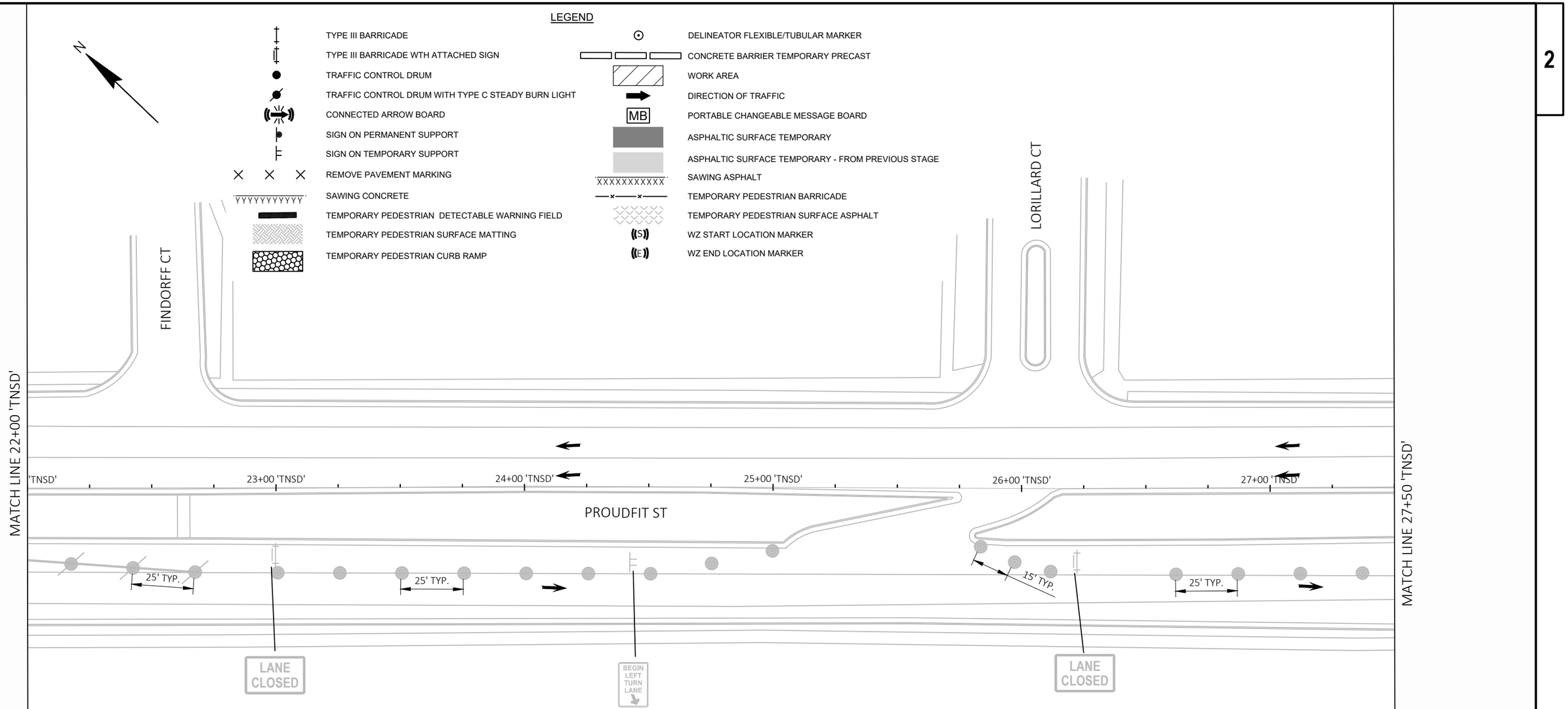
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 610	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 18
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 611	E

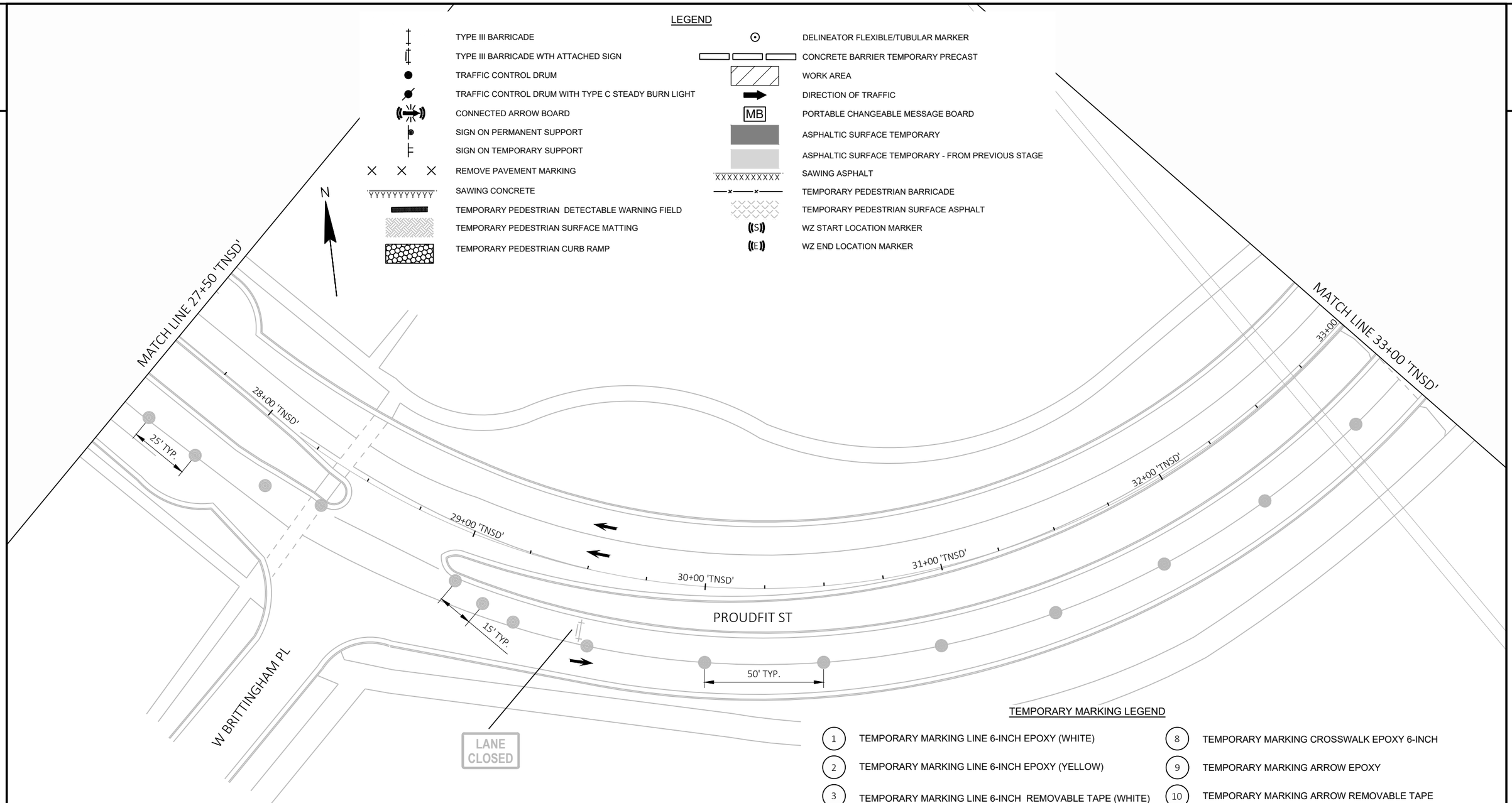
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 19
PLOT DATE : 6/20/2025 8:07 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 612	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 20
PLOT DATE : 6/20/2025 8:07 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

N

MATCH LINE 33+00 'TNSD'

MATCH LINE 38+00 'TNSD'

33+00 'TNSD'

34+00 'TNSD'

35+00 'TNSD'

36+00 'TNSD'

37+00 'TNSD'

38+00

NORTH SHORE DRIVE

50' TYP.

25' TYP.

25' TYP.

BEGIN LEFT TURN LANE

LANE CLOSED

BRITTINGHAM PARK
PARKING LOT

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 613	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 21

PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

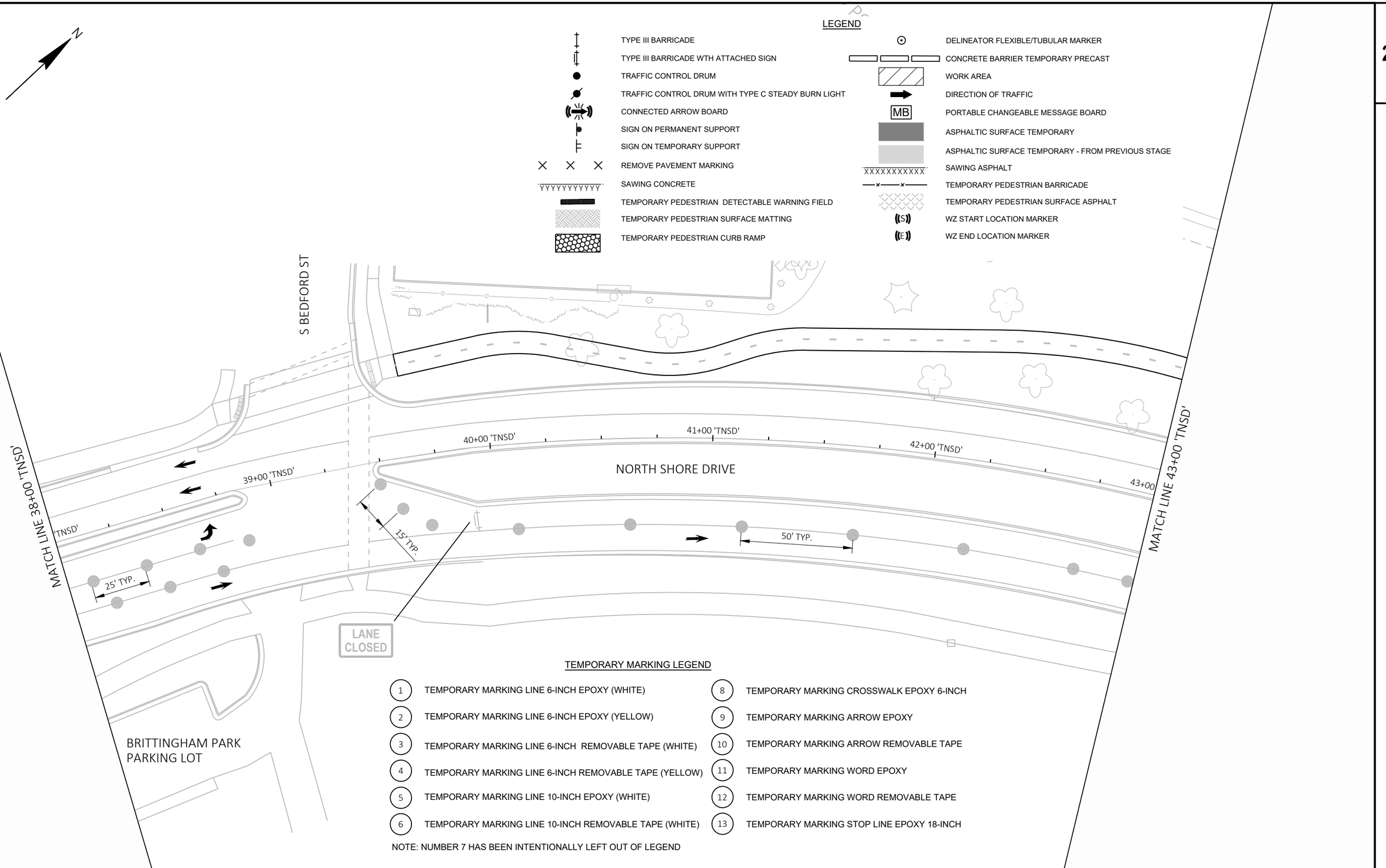
WISDOT/CADDS SHEET 42

2

2

LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 614	E

2

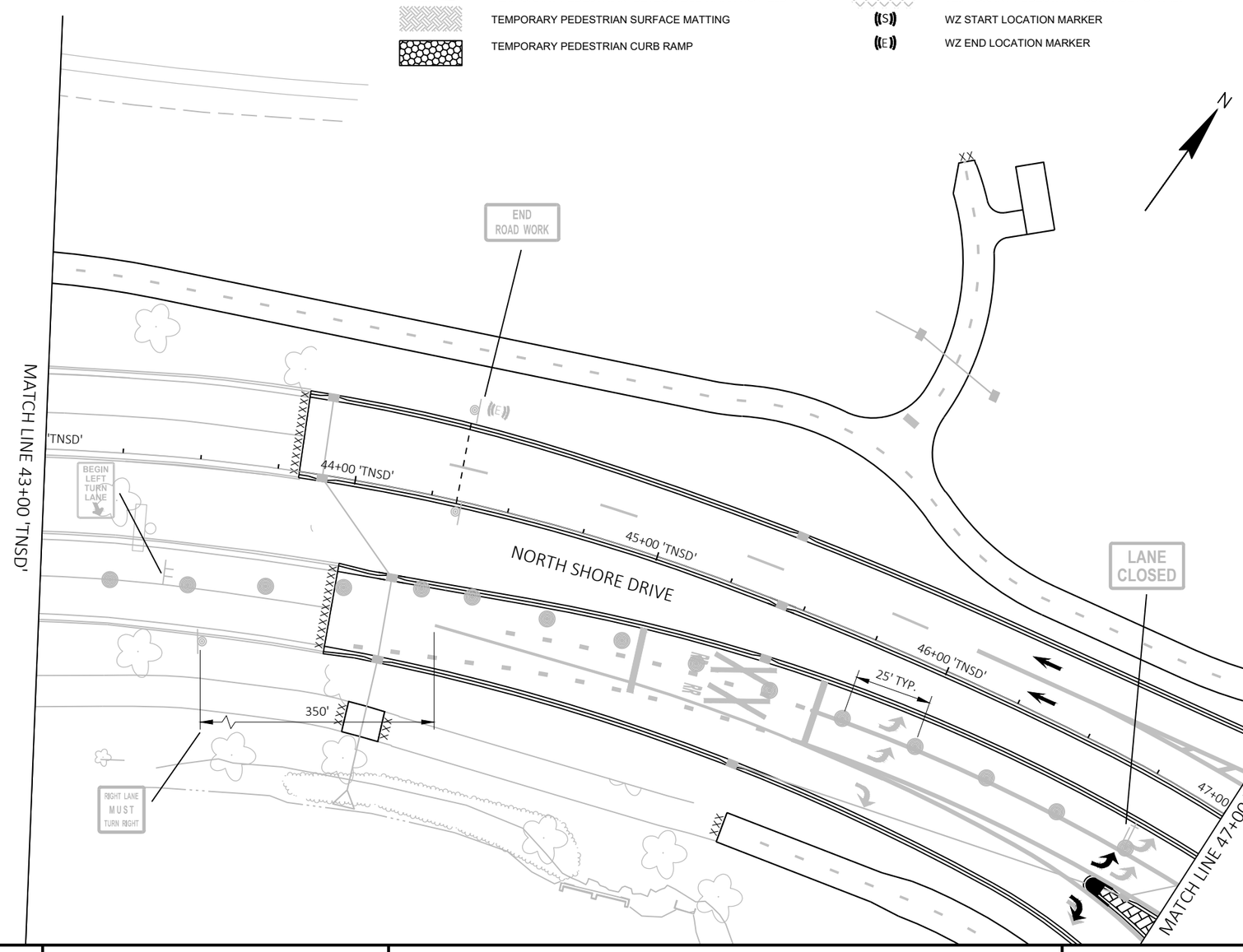
TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 615	E

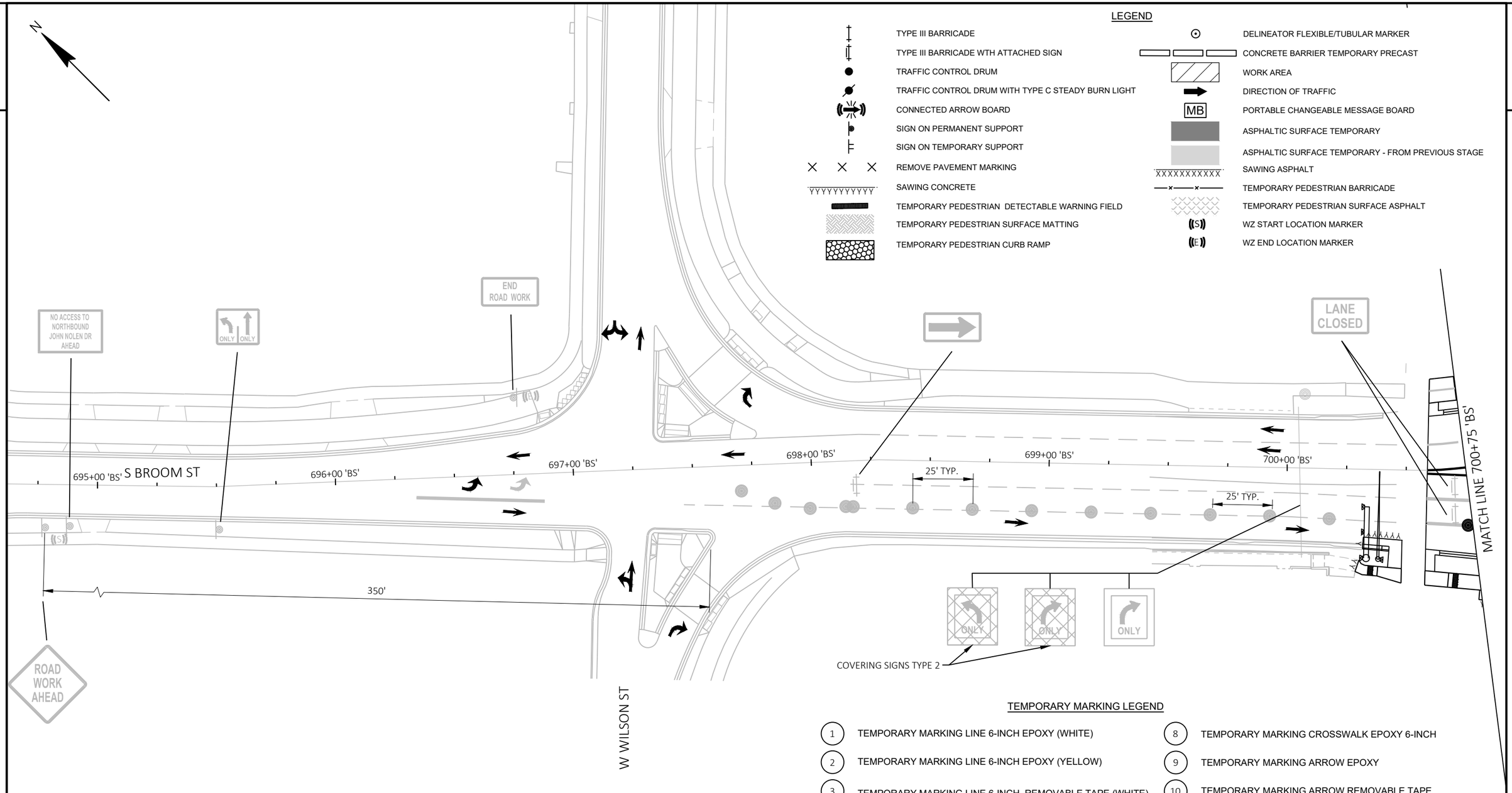
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 23
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

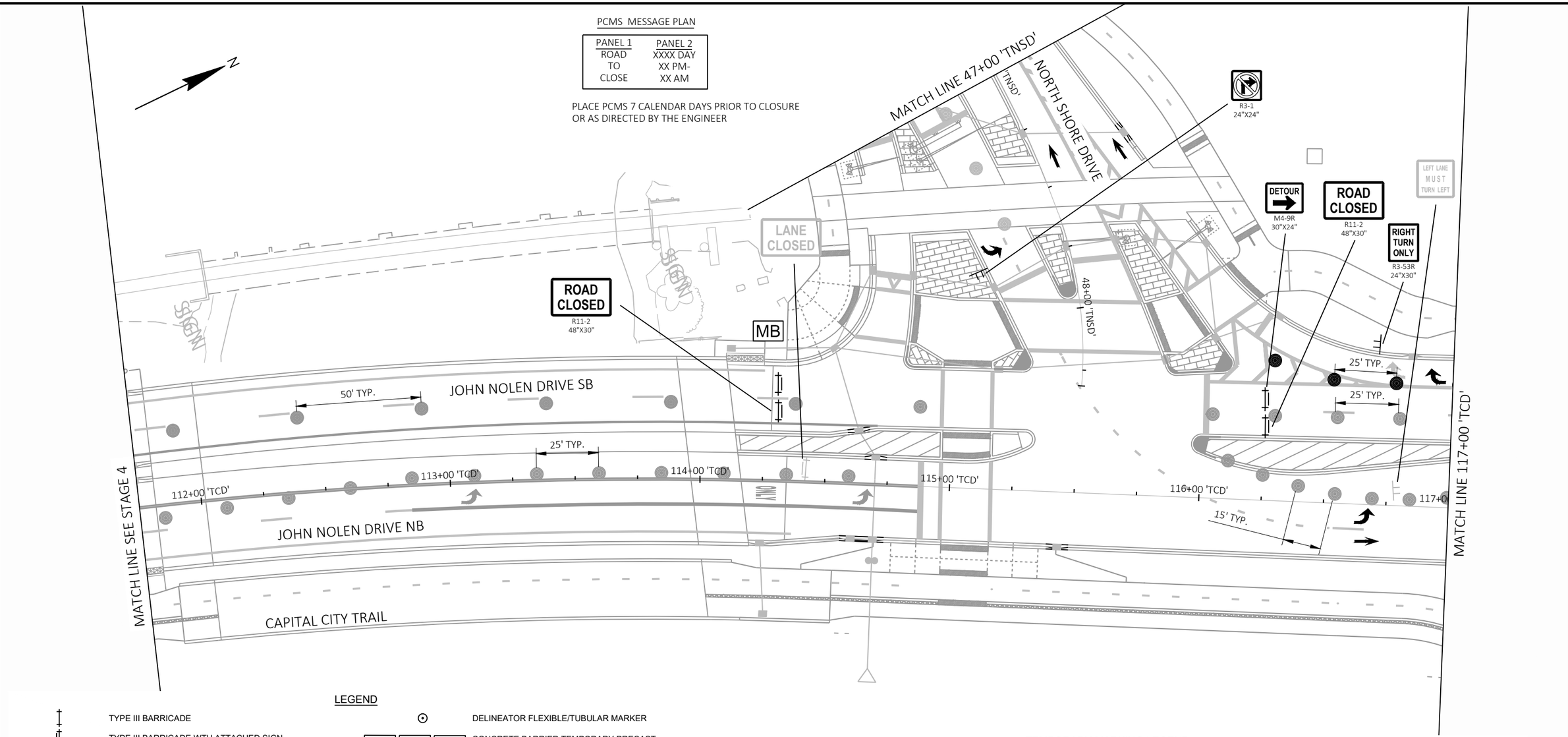
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 TRAFFIC CONTROL DETAILS	SHEET 616	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\025100-TC-STAGE 4.DWG
LAYOUT NAME - 24
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

PCMS MESSAGE PLAN

PANEL 1	PANEL 2
ROAD TO CLOSE	XXXX DAY XX PM- XX AM

PLACE PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER



LEGEND

TYPE III BARRICADE	DELINEATOR FLEXIBLE/TUBULAR MARKER
TYPE III BARRICADE WTH ATTACHED SIGN	CONCRETE BARRIER TEMPORARY PRECAST
TRAFFIC CONTROL DRUM	WORK AREA
TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT	DIRECTION OF TRAFFIC
CONNECTED ARROW BOARD	PORTABLE CHANGEABLE MESSAGE BOARD
SIGN ON PERMANENT SUPPORT	ASPHALTIC SURFACE TEMPORARY
SIGN ON TEMPORARY SUPPORT	ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
REMOVE PAVEMENT MARKING	SAWING ASPHALT
SAWING CONCRETE	TEMPORARY PEDESTRIAN BARRICADE
TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD	TEMPORARY PEDESTRIAN SURFACE ASPHALT
TEMPORARY PEDESTRIAN SURFACE MATTING	WZ START LOCATION MARKER
TEMPORARY PEDESTRIAN CURB RAMP	WZ END LOCATION MARKER

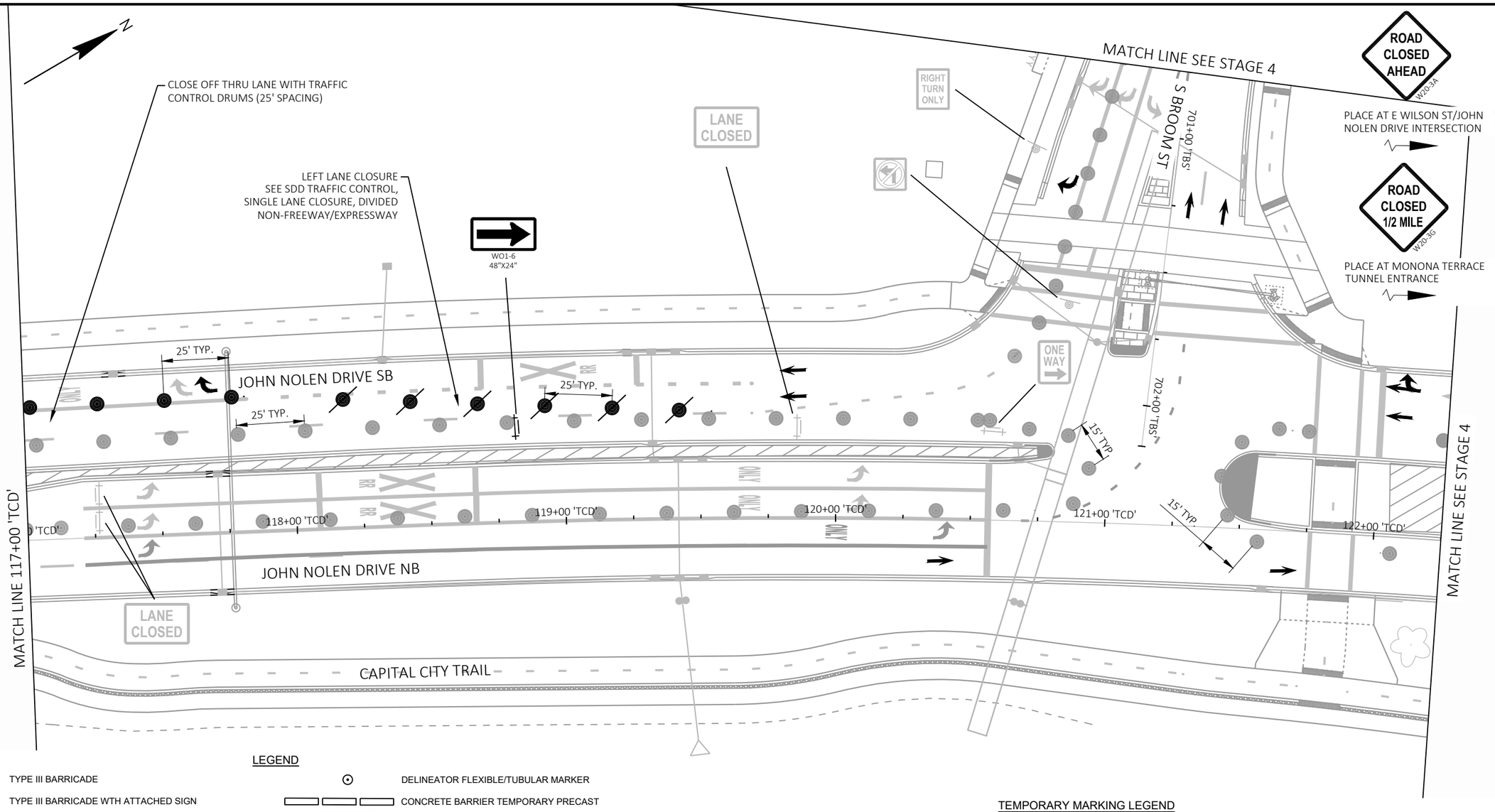
TEMPORARY MARKING LEGEND

1	TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)	8	TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
2	TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)	9	TEMPORARY MARKING ARROW EPOXY
3	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)	10	TEMPORARY MARKING ARROW REMOVABLE TAPE
4	TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)	11	TEMPORARY MARKING WORD EPOXY
5	TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)	12	TEMPORARY MARKING WORD REMOVABLE TAPE
6	TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)	13	TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO:	HWY:	COUNTY:		SHEET
5992-11-21, -28	JOHN NOLEN DRIVE	DANE	TRAFFIC CONTROL - STAGE 4 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	617 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 4.DWG
LAYOUT NAME - 01
PLOT DATE : 6/20/2025 8:08 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 618	E

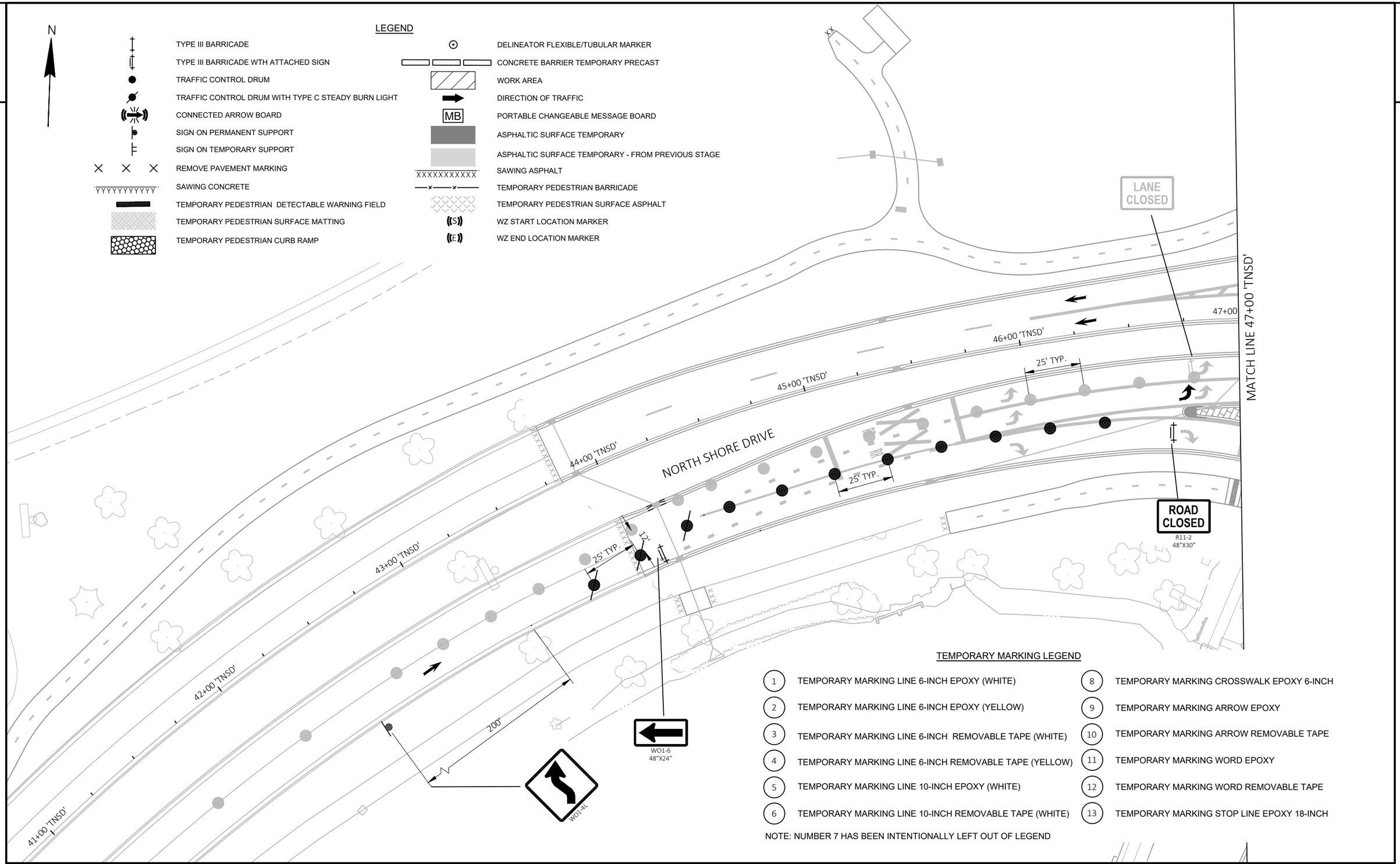
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\TRAFFIC CONTROL\027001-DT-NIGHT CLOSURE_JND SB_STAGE 4.DWG
LAYOUT NAME - 02
PLOT DATE : 6/20/2025 8:08 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- REMOVE PAVEMENT MARKING
- SAWING CONCRETE
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- CONCRETE BARRIER TEMPORARY PRECAST
- WORK AREA
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- ASPHALTIC SURFACE TEMPORARY
- ASPHALTIC SURFACE TEMPORARY - FROM PREVIOUS STAGE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TEMPORARY MARKING LEGEND

1. TEMPORARY MARKING LINE 6-INCH EPOXY (WHITE)
2. TEMPORARY MARKING LINE 6-INCH EPOXY (YELLOW)
3. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (WHITE)
4. TEMPORARY MARKING LINE 6-INCH REMOVABLE TAPE (YELLOW)
5. TEMPORARY MARKING LINE 10-INCH EPOXY (WHITE)
6. TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE (WHITE)
8. TEMPORARY MARKING CROSSWALK EPOXY 6-INCH
9. TEMPORARY MARKING ARROW EPOXY
10. TEMPORARY MARKING ARROW REMOVABLE TAPE
11. TEMPORARY MARKING WORD EPOXY
12. TEMPORARY MARKING WORD REMOVABLE TAPE
13. TEMPORARY MARKING STOP LINE EPOXY 18-INCH

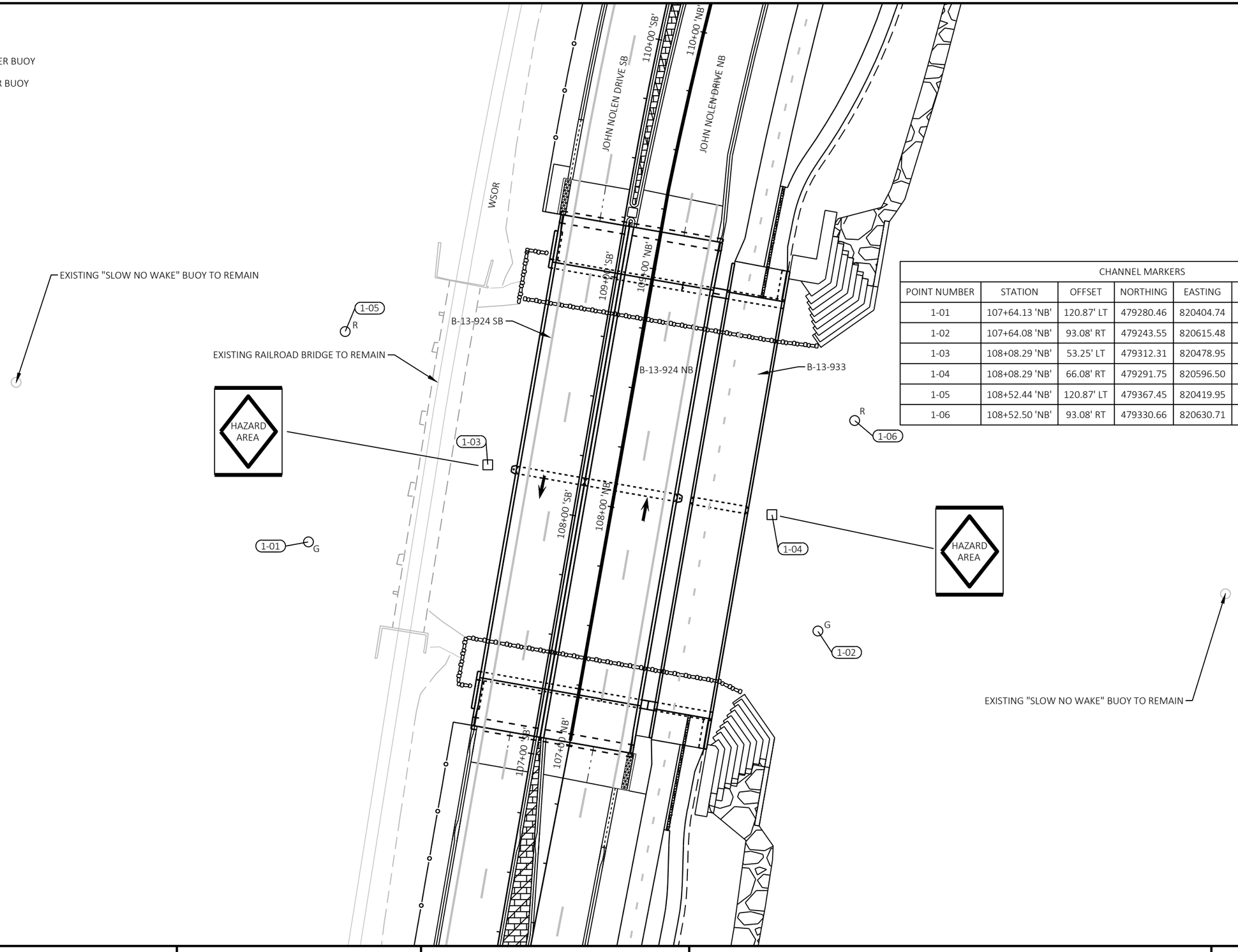
NOTE: NUMBER 7 HAS BEEN INTENTIONALLY LEFT OUT OF LEGEND

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 SB JOHN NOLEN DRIVE CLOSURE (OFF-PEAK)	SHEET 619	E

2

LEGEND

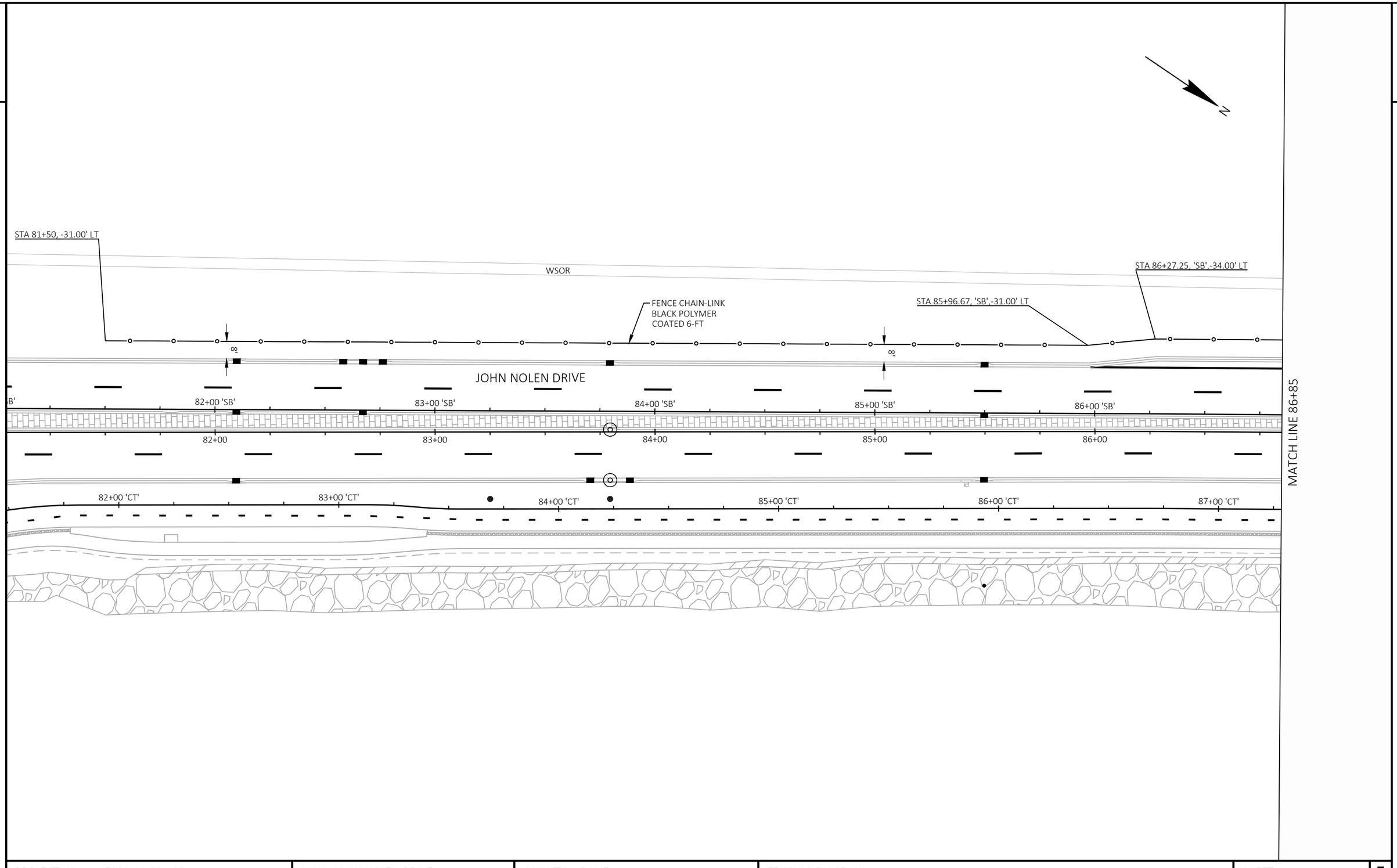
- CHANNEL MARKER BUOY
- HAZARD MARKER BUOY
- G GREEN
- R RED
- WORK AREA



CHANNEL MARKERS					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
1-01	107+64.13 'NB'	120.87' LT	479280.46	820404.74	GREEN CHANNEL MARKER BUOY
1-02	107+64.08 'NB'	93.08' RT	479243.55	820615.48	GREEN CHANNEL MARKER BUOY
1-03	108+08.29 'NB'	53.25' LT	479312.31	820478.95	HAZARD MARKER BUOY
1-04	108+08.29 'NB'	66.08' RT	479291.75	820596.50	HAZARD MARKER BUOY
1-05	108+52.44 'NB'	120.87' LT	479367.45	820419.95	RED CHANNEL MARKER BUOY
1-06	108+52.50 'NB'	93.08' RT	479330.66	820630.71	RED CHANNEL MARKER BUOY

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TRAFFIC CONTROL - STAGE 4 PERMANENT NAVIGABLE CHANNEL MARKERS	SHEET 620	E

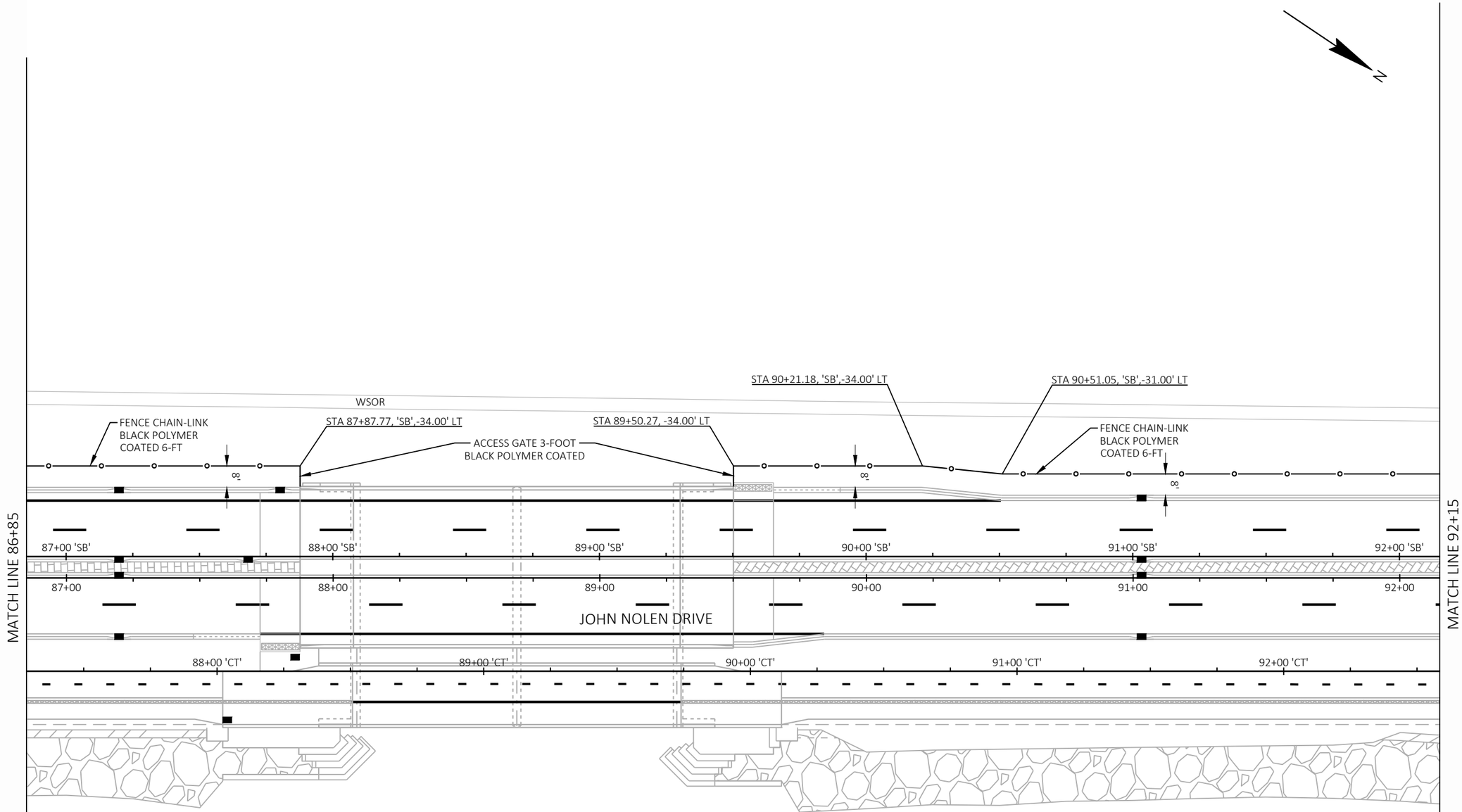
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 621	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 03
PLOT DATE : 5/23/2025 3:39 PM
PLOT BY : BRIAN ST. VINCENT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 622	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 04

PLOT DATE : 5/23/2025 3:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

WSOR

FENCE CHAIN-LINK
BLACK POLYMER
COATED 6-FT

8'

8'

JOHN NOLEN DRIVE

93+00 'SB'
94+00 'SB'
95+00 'SB'
96+00 'SB'
97+00 'SB'
93+00
94+00
95+00
96+00
97+00

MATCH LINE 92+15

95+00 'CT'
CAPITAL CITY TRAIL
93+00 'CT'
94+00 'CT'
96+00 'CT'
97+00 'CT'

MATCH LINE 97+45

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 623	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 05

PLOT DATE : 5/23/2025 3:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

WSOR

FENCE CHAIN-LINK
BLACK POLYMER
COATED 6-FT

8'

8'

JOHN NOLEN DRIVE

98+00 'SB'
99+00 'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'

98+00
99+00
100+00
101+00
102+00

MATCH LINE 97+45

MATCH LINE 102+75

100+00 'CT'

CAPITAL CITY TRAIL

98+00 'CT'
99+00 'CT'
101+00 'CT'
102+00 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 624	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 06

PLOT DATE : 5/23/2025 3:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

FENCE CHAIN-LINK
BLACK POLYMER
COATED 6-FT

STA 104+61.15, 'SB',-31.00' LT

STA 105+21.93, 'SB',-34.00' LT

WSOR

STA 107+07.24, 'SB',-34.00' LT

ACCESS GATE 3-FOOT
BLACK POLYMER COATED

8'

8'

JOHN NOLEN DRIVE

103+00 'SB'

104+00 'SB'

105+00 'SB'

106+00 'SB'

107+00 'SB'

108+00 'SB'

SW-5SC

103+00

104+00

105+00

106+00

107+00

108+00

MATCH LINE 102+75

MATCH LINE 108+05

03+00 'CT'

104+00 'CT'

CAPITAL CITY TRAIL

105+00 'CT'

106+00 'CT'

107+00 'CT'

108+00 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 625	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 07

PLOT DATE : 5/23/2025 3:39 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

WSOR

FENCE CHAIN-LINK
BLACK POLYMER
COATED 6-FT

STA 111+90.97, 'SB',-34.00' LT

ACCESS GATE 3-FOOT
BLACK POLYMER COATED

STA 109+21.74 'SB', -34.00' LT

ACCESS GATE 3-FOOT
BLACK POLYMER COATED

8'

8'

JOHN NOLEN DRIVE

109+00 'SB'

110+00 'SB'

111+00 'SB'

112+00 'SB'

113+00 'SB'

109+00

110+00

111+00

112+00

113+00

MATCH LINE 108+05

109+00 'CT'

110+00 'CT'

CAPITAL CITY TRAIL

111+00 'CT'

112+00 'CT'

113+00 'CT'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	FENCING DIAGRAM	SHEET 626	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027101-FN.DWG
LAYOUT NAME - 08

PLOT DATE : 5/23/2025 3:39 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

CT CURVE 1

PI STA = 70+46.83
Y = 476080.412
X = 821926.519
DELTA = 76°28'49" LT
D = 127°19'26"
T = 35.46'
L = 60.07'
R = 45.00'
PC STA = 70+11.36
Y = 476050.780
X = 821946.001
PT STA = 70+71.43
Y = 476068.398
X = 821893.154
DB = N33°19'20"W
DA = S70°11'52"W

CT CURVE 2

PI STA = 71+40.88
Y = 476044.871
X = 821827.812
DELTA = 75°18'40" RT
D = 63°39'43"
T = 69.45'
L = 118.30'
R = 90.00'
PC STA = 70+71.43
Y = 476068.398
X = 821893.154
PT STA = 71+89.73
Y = 476102.111
X = 821788.485
DB = S70°11'52"W
DA = N34°29'28"W

CT CURVE 3

PI STA = 74+41.33
Y = 476309.484
X = 821646.009
DELTA = 18°46'32" RT
D = 9°32'57"
T = 99.20'
L = 196.62'
R = 600.00'
PC STA = 73+42.13
Y = 476227.723
X = 821702.183
PT STA = 75+38.75
Y = 476404.974
X = 821619.140
DB = N34°29'28"W
DA = N15°42'56"W

CT CURVE 4

PI STA = 75+75.41
Y = 476440.269
X = 821609.209
DELTA = 33°58'49" LT
D = 47°44'47"
T = 36.67'
L = 71.17'
R = 120.00'
PC STA = 75+38.75
Y = 476404.974
X = 821619.140
PT STA = 76+09.92
Y = 476463.985
X = 821581.247
DB = N15°42'56"W
DA = N49°41'45"W

CS CURVE 1

PI STA = 50+69.13
Y = 476102.153
X = 821933.768
DELTA = 76°28'49" LT
D = 90°56'44"
T = 49.65'
L = 84.09'
R = 63.00'
PC STA = 50+19.48
Y = 476060.668
X = 821961.041
PT STA = 51+03.57
Y = 476085.334
X = 821887.056
DB = N33°19'20"W
DA = S70°11'52"W

CS CURVE 2

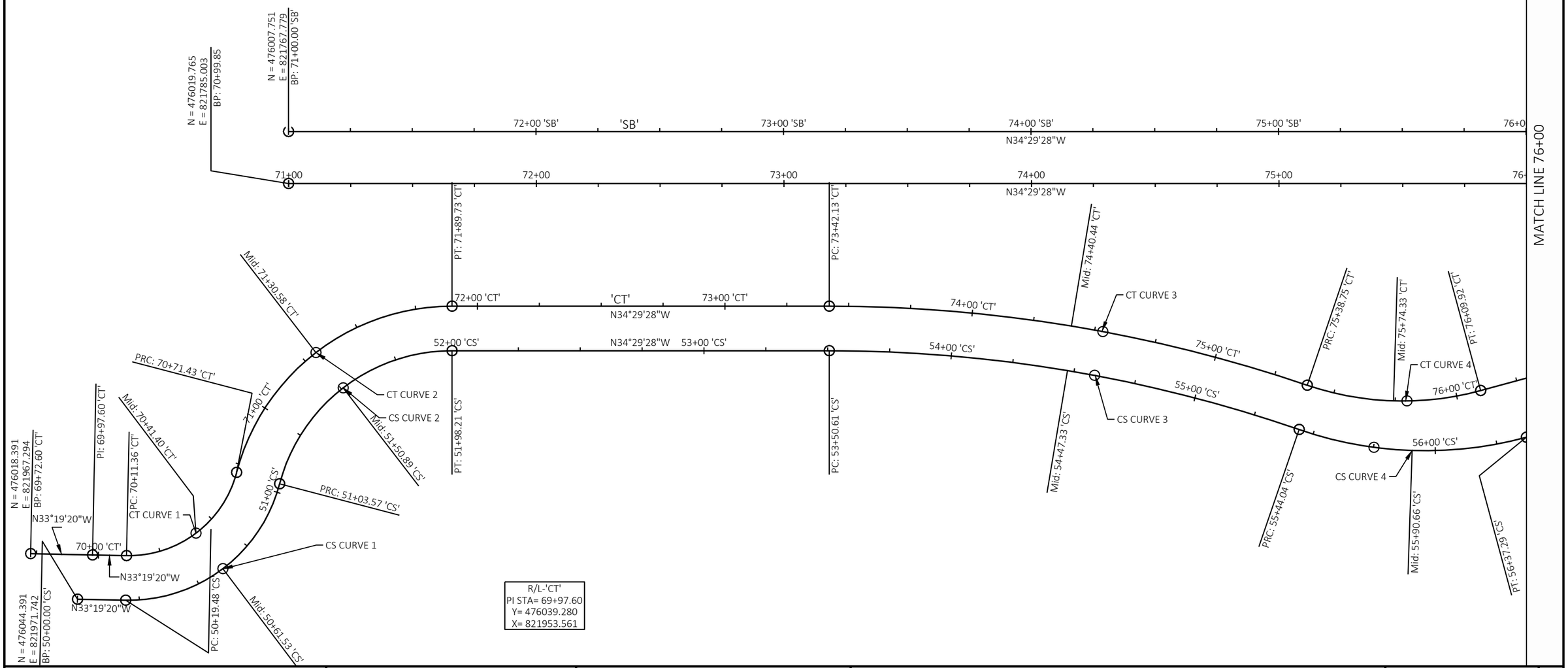
PI STA = 51+59.13
Y = 476066.512
X = 821834.782
DELTA = 75°18'40" RT
D = 79°34'39"
T = 55.56'
L = 94.64'
R = 72.00'
PC STA = 51+03.57
Y = 476085.334
X = 821887.056
PT STA = 51+98.21
Y = 476112.304
X = 821803.321
DB = S70°11'52"W
DA = N34°29'28"W

CS CURVE 3

PI STA = 54+48.23
Y = 476318.371
X = 821661.742
DELTA = 19°02'32" RT
D = 9°50'41"
T = 97.61'
L = 193.43'
R = 582.00'
PC STA = 53+50.61
Y = 476237.916
X = 821717.018
PT STA = 55+44.04
Y = 476412.458
X = 821635.740
DB = N34°29'28"W
DA = N15°26'56"W

CS CURVE 4

PI STA = 55+92.10
Y = 476458.784
X = 821622.937
DELTA = 34°14'49" LT
D = 36°43'41"
T = 48.06'
L = 93.24'
R = 156.00'
PC STA = 55+44.04
Y = 476412.458
X = 821635.740
PT STA = 56+37.29
Y = 476489.872
X = 821586.284
DB = N15°26'56"W
DA = N49°41'45"W



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 627	E

2

CS CURVE 5
PI STA = 57+92.23
Y = 476590.096
X = 821468.122
DELTA = 24°48'12" RT
D = 25°14'26"
T = 49.92'
L = 98.27'
R = 227.00'
PC STA = 57+42.31
Y = 476557.808
X = 821506.188
PT STA = 58+40.58
Y = 476635.375
X = 821447.111
DB = N49°41'45"W
DA = N24°53'33"W

CS CURVE 6
PI STA = 59+53.36
Y = 476737.679
X = 821399.640
DELTA = 7°56'02" LT
D = 14°13'02"
T = 27.95'
L = 55.80'
R = 403.00'
PC STA = 59+25.42
Y = 476712.328
X = 821411.403
PT STA = 59+81.22
Y = 476761.163
X = 821384.490
DB = N24°53'33"W
DA = N32°49'35"W

CS CURVE 7
PI STA = 59+88.71
Y = 476767.453
X = 821380.432
DELTA = 2°56'49" RT
D = 19°41'21"
T = 7.49'
L = 14.97'
R = 291.00'
PC STA = 59+81.22
Y = 476761.163
X = 821384.490
PT STA = 59+96.19
Y = 476773.943
X = 821376.703
DB = N32°49'35"W
DA = N29°52'46"W

CS CURVE 8
PI STA = 60+41.48
Y = 476813.212
X = 821354.142
DELTA = 35°08'46" LT
D = 40°04'01"
T = 45.29'
L = 87.72'
R = 143.00'
PC STA = 59+96.19
Y = 476773.943
X = 821376.703
PT STA = 60+83.91
Y = 476832.333
X = 821313.088
DB = N29°52'46"W
DA = N65°01'32"W

CS CURVE 9
PI STA = 60+87.44
Y = 476833.826
X = 821309.881
DELTA = 2°13'37" RT
D = 31°28'52"
T = 3.54'
L = 7.07'
R = 182.00'
PC STA = 60+83.91
Y = 476832.333
X = 821313.088
PT STA = 60+90.98
Y = 476835.443
X = 821306.735
DB = N65°01'32"W
DA = N62°47'55"W

CS CURVE 10
PI STA = 61+29.18
Y = 476852.907
X = 821272.757
DELTA = 21°57'00" RT
D = 29°05'03"
T = 38.20'
L = 75.47'
R = 197.00'
PC STA = 60+90.98
Y = 476835.443
X = 821306.735
PT STA = 61+66.45
Y = 476881.806
X = 821247.769
DB = N62°47'55"W
DA = N40°50'55"W

CS CURVE 11
PI STA = 61+79.88
Y = 476891.962
X = 821238.987
DELTA = 16°15'26" RT
D = 60°57'11"
T = 13.43'
L = 26.67'
R = 94.00'
PC STA = 61+66.45
Y = 476881.806
X = 821247.769
PT STA = 61+93.12
Y = 476904.171
X = 821233.400
DB = N40°50'55"W
DA = N24°35'28"W

CT CURVE 5
PI STA = 77+82.82
Y = 476575.828
X = 821449.387
DELTA = 24°48'12" RT
D = 22°55'06"
T = 54.97'
L = 108.22'
R = 250.00'
PC STA = 77+27.85
Y = 476540.268
X = 821491.311
PT STA = 78+36.07
Y = 476625.694
X = 821426.248
DB = N49°41'45"W
DA = N24°53'33"W

CT CURVE 6
PI STA = 80+24.63
Y = 476796.737
X = 821346.879
DELTA = 40°07'59" LT
D = 45°50'12"
T = 45.66'
L = 87.56'
R = 125.00'
PC STA = 79+78.97
Y = 476755.319
X = 821366.099
PT STA = 80+66.53
Y = 476816.016
X = 821305.488
DB = N24°53'33"W
DA = N65°01'32"W

CT CURVE 7
PI STA = 80+70.44
Y = 476817.665
X = 821301.947
DELTA = 2°14'17" RT
D = 28°38'54"
T = 3.91'
L = 7.81'
R = 200.00'
PC STA = 80+66.53
Y = 476816.016
X = 821305.488
PT STA = 80+74.34
Y = 476819.452
X = 821298.472
DB = N65°01'32"W
DA = N62°47'15"W

CT CURVE 8
PI STA = 81+28.82
Y = 476844.366
X = 821250.021
DELTA = 28°26'22" RT
D = 26°38'57"
T = 54.48'
L = 106.72'
R = 215.00'
PC STA = 80+74.34
Y = 476819.452
X = 821298.472
PT STA = 81+81.06
Y = 476889.348
X = 821219.281
DB = N62°47'15"W
DA = N34°20'53"W

R/L-'SB'
PI STA= 77+04.10
Y= 476505.658
X= 821425.691

R/L-'NB'
PI STA= 77+03.87
Y= 476517.481
X= 821443.047

R/L-'NB'
PI STA= 79+09.76
Y= 476686.881
X= 821326.020

R/L-'NB'
PI STA= 80+73.76
Y= 476818.273
X= 821227.882

MATCH LINE 76+00

MATCH LINE 81+55

PI: 77+04.10 'SB'

PI: 80+73.76

Mid: 81+27.70 'CT'

PT: 81+81.06 'CT'

77+00 'SB'

78+00 'SB'

'SB'

79+00 'SB'

80+00 'SB'

81+00 'SB'

77+00

78+00

N34°38'17"W

79+00

N36°45'22"W

80+00

81+00

PC: 77+27.85 'CT'

PI: 77+03.87

Mid: 77+81.96 'CT'

PT: 78+36.07 'CT'

PI: 79+09.76

PC: 79+78.97 'CT'

Mid: 80+22.75 'CT'

PCC: 80+74.34 'CT'

Mid: 80+70.44 'CT'

PRC: 80+66.53 'CT'

77+00 'CT'

N49°41'45"W

78+00 'CT'

CT CURVE 5

79+00 'CT'

N24°53'33"W

80+00 'CT'

81+00 'CT'

CT CURVE 8

CS CURVE 11

CT CURVE 7

CS CURVE 10

CS CURVE 5

58+00 'CS'

CS CURVE 9

61+00 'CS'

82+0

57+00 'CS'

N49°41'45"W

59+00 'CS'

N24°53'33"W

CS CURVE 6

CS CURVE 7

CS CURVE 8

60+00 'CS'

CT CURVE 6

PC: 57+42.31 'CS'

Mid: 57+91.45 'CS'

PT: 58+40.58 'CS'

PC: 59+25.42 'CS'

Mid: 59+53.32 'CS'

PRC: 59+81.22 'CS'

Mid: 59+88.70 'CS'

PRC: 59+96.19 'CS'

Mid: 61+42.72 'CS'

PCC: 61+66.45 'CS'

Mid: 61+79.79 'CS'

PRC: 61+93.12 'CS'

N = 476844.901
E = 821304.248
EP: 2x14.52 'SSR'

PCC: 60+90.98 'CS'

Mid: 60+87.44 'CS'

PRC: 60+83.91 'CS'

1+00 'SSR'

PI: 1+90.79 'SSR'

PI: 1+80.77 'SSR'

PI: 1+70.84 'SSR'

PI: 1+50.23 'SSR'

PI: 1+33.20 'SSR'

PI: 1+10.72 'SSR'

PI: 0+98.90 'SSR'

N = 476795.043
E = 821459.168
BP: 0+50.00 'SSR'

Mid: 0+40.05 'CS'

R/L-'SSR'
PI STA= 1+90.79
Y= 476832.308
X= 821324.356

R/L-'SSR'
PI STA= 0+98.90
Y= 476803.893
X= 821411.076

R/L-'SSR'
PI STA= 1+10.72
Y= 476805.610
X= 821399.381

R/L-'SSR'
PI STA= 1+33.20
Y= 476810.138
X= 821377.358

R/L-'SSR'
PI STA= 1+50.23
Y= 476815.527
X= 821361.203

R/L-'SSR'
PI STA= 1+70.84
Y= 476823.554
X= 821342.227

R/L-'SSR'
PI STA= 1+80.77
Y= 476827.233
X= 821333.000

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DAIGRAM	SHEET 628	E

2

CS CURVE 12

PI STA = 62+10.70
Y = 476920.158
X = 821226.083
DELTA = 9°45'24" LT
D = 27°48'49"
T = 17.58'
L = 35.08'
R = 206.00'
PC STA = 61+93.12
Y = 476904.171
X = 821233.400
PT STA = 62+28.20
Y = 476934.674
X = 821216.163
DB = N24°35'28"W
DA = N34°20'53"W

CS CURVE 13

PI STA = 63+18.39
Y = 477009.139
X = 821165.275
DELTA = 4°48'00" LT
D = 28°13'28"
T = 8.51'
L = 17.01'
R = 203.00'
PC STA = 63+09.89
Y = 477002.115
X = 821170.076
PT STA = 63+26.89
Y = 477015.737
X = 821159.904
DB = N34°20'53"W
DA = N39°08'52"W

CS CURVE 14

PI STA = 63+54.24
Y = 477036.944
X = 821142.641
DELTA = 4°48'00" RT
D = 29°05'03"
T = 8.26'
L = 16.50'
R = 197.00'
PC STA = 63+45.98
Y = 477030.541
X = 821147.853
PT STA = 63+62.48
Y = 477043.760
X = 821137.982
DB = N39°08'52"W
DA = N34°20'53"W

CT CURVE 9

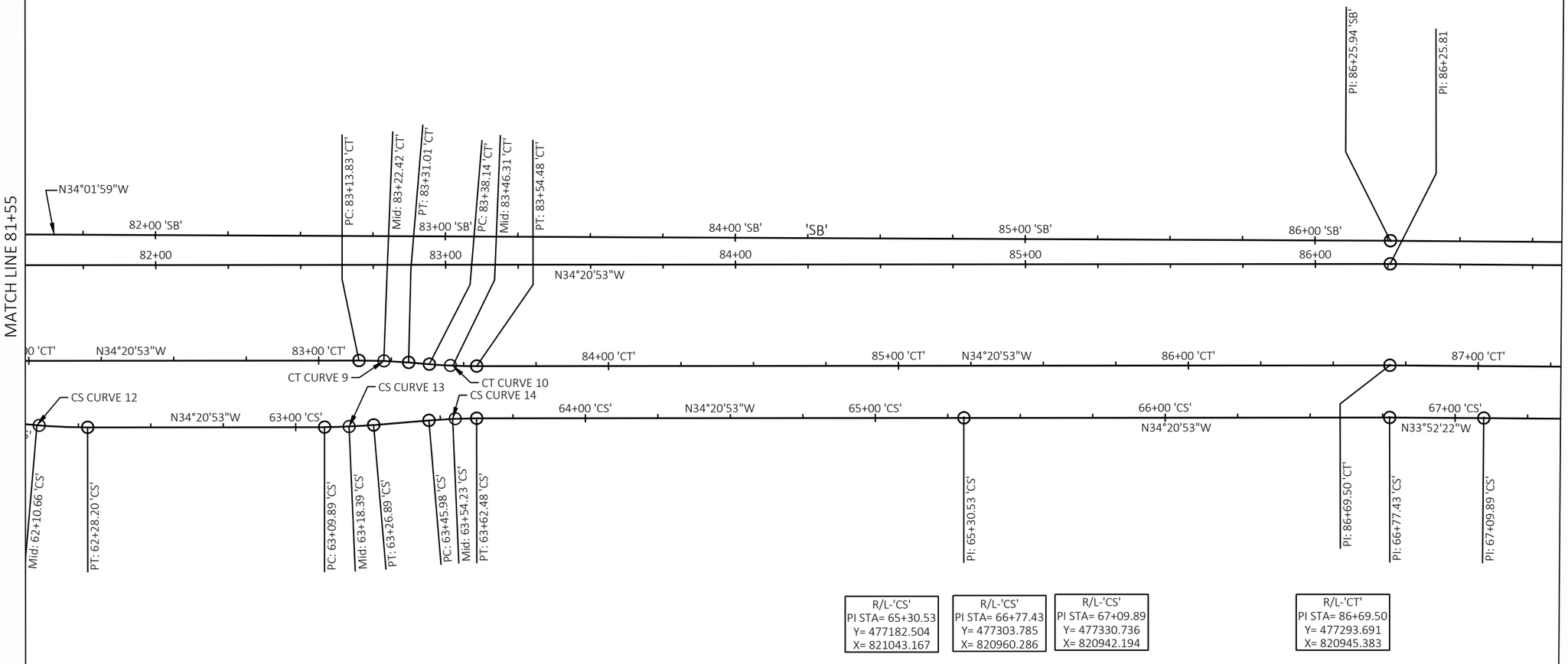
PI STA = 83+22.43
Y = 477006.064
X = 821139.519
DELTA = 4°48'00" RT
D = 27°56'57"
T = 8.59'
L = 17.17'
R = 205.00'
PC STA = 83+13.83
Y = 476998.970
X = 821144.367
PT STA = 83+31.01
Y = 477013.538
X = 821135.282
DB = N34°20'53"W
DA = N29°32'53"W

CT CURVE 10

PI STA = 83+46.32
Y = 477026.857
X = 821127.732
DELTA = 4°48'00" LT
D = 29°22'57"
T = 8.17'
L = 16.34'
R = 195.00'
PC STA = 83+38.14
Y = 477019.747
X = 821131.763
PT STA = 83+54.48
Y = 477033.605
X = 821123.121
DB = N29°32'53"W
DA = N34°20'53"W

R/L-'SB'
PI STA= 86+25.94
Y= 477269.604
X= 820909.762

R/L-'NB'
PI STA= 86+25.81
Y= 477274.063
X= 820916.404



R/L-'CS'
PI STA= 65+30.53
Y= 477182.504
X= 821043.167

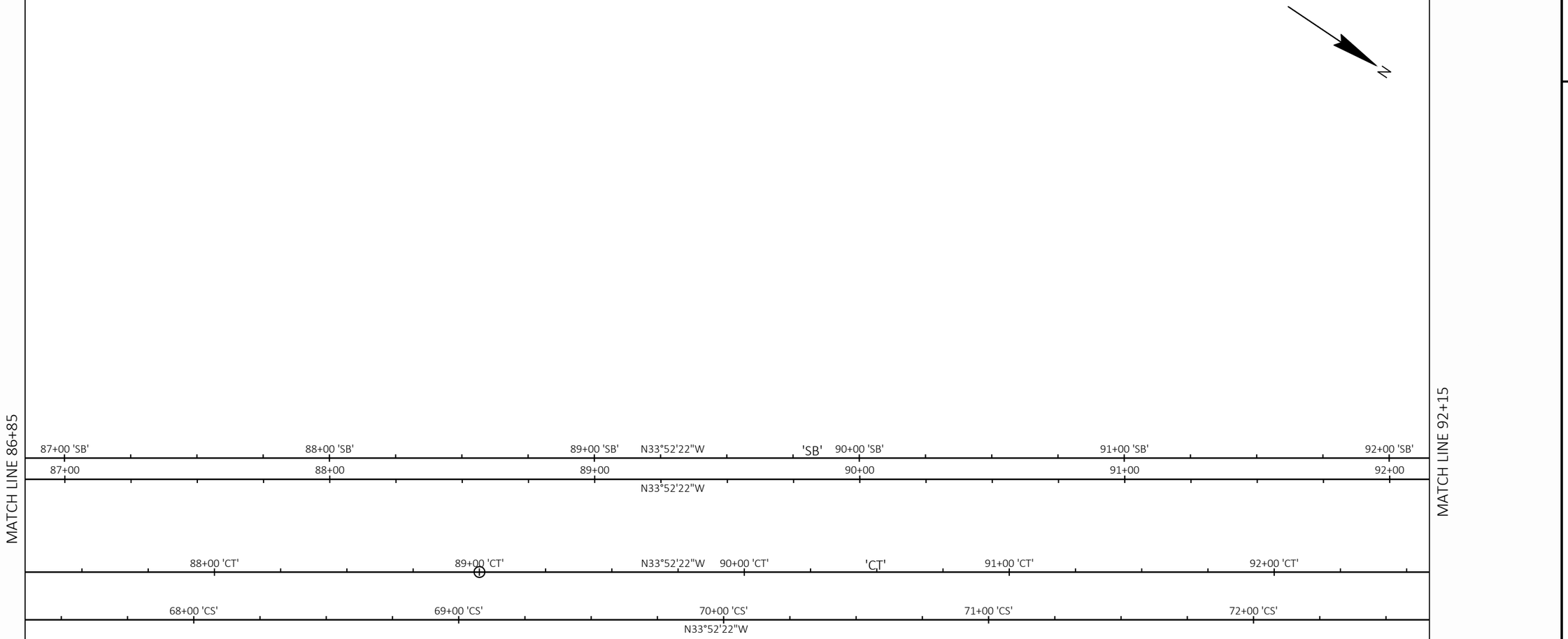
R/L-'CS'
PI STA= 66+77.43
Y= 477303.785
X= 820960.286

R/L-'CS'
PI STA= 67+09.89
Y= 477330.736
X= 820942.194

R/L-'CT'
PI STA= 86+69.50
Y= 477293.691
X= 820945.383

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 629	E

2



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 630	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 04

PLOT DATE : 5/23/2025 10:45 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

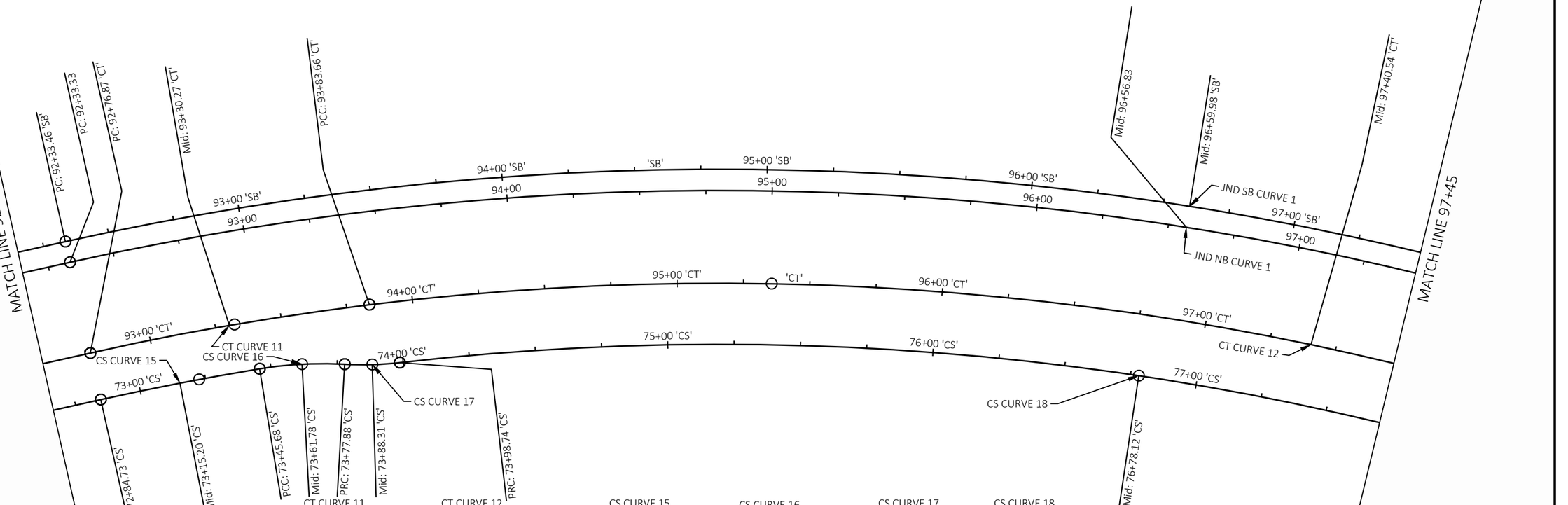
N

JND NB CURVE 1

PI STA = 96+78.19
Y = 478147.834
X = 820329.856
DELTA = 43°17'27" RT
D = 5°06'40"
T = 444.86'
L = 846.99'
R = 1121.00'
PC STA = 92+33.33
Y = 477778.474
X = 820577.801
PT STA = 100+80.32
Y = 478586.702
X = 820402.652
DB = N33°52'22"W
DA = N09°25'05"E

JND SB CURVE 1

PI STA = 96+81.50
Y = 478146.011
X = 820321.444
DELTA = 43°17'27" RT
D = 5°04'30"
T = 448.04'
L = 853.04'
R = 1129.00'
PC STA = 92+33.46
Y = 477774.015
X = 820571.159
PT STA = 100+86.50
Y = 478588.011
X = 820394.760
DB = N33°52'22"W
DA = N09°25'05"E



CT CURVE 11

PI STA = 93+30.31
Y = 477842.350
X = 820577.077
DELTA = 5°38'03" RT
D = 5°16'33"
T = 53.44'
L = 106.79'
R = 1086.00'
PC STA = 92+76.87
Y = 477797.981
X = 820606.861
PT STA = 93+83.66
Y = 477889.428
X = 820551.793
DB = N33°52'22"W
DA = N28°14'19"W

CT CURVE 12

PI STA = 97+53.97
Y = 478215.661
X = 820376.585
DELTA = 37°39'24" RT
D = 5°16'33"
T = 370.30'
L = 713.76'
R = 1086.00'
PC STA = 93+83.66
Y = 477889.428
X = 820551.793
PT STA = 100+97.42
Y = 478580.974
X = 820437.181
DB = N28°14'19"W
DA = N09°25'05"E

CS CURVE 15

PI STA = 73+15.21
Y = 477833.325
X = 820604.815
DELTA = 3°16'12" RT
D = 5°21'53"
T = 30.49'
L = 60.95'
R = 1068.00'
PC STA = 72+84.73
Y = 477808.013
X = 820621.806
PT STA = 73+45.68
Y = 477859.565
X = 820589.295
DB = N33°52'22"W
DA = N30°36'10"W

CS CURVE 16

PI STA = 73+61.85
Y = 477873.478
X = 820581.066
DELTA = 12°33'04" RT
D = 38°58'36"
T = 16.17'
L = 32.20'
R = 147.00'
PC STA = 73+45.68
Y = 477859.565
X = 820589.295
PT STA = 73+77.88
Y = 477888.848
X = 820576.056
DB = N30°36'10"W
DA = N18°03'06"W

CS CURVE 17

PI STA = 73+88.34
Y = 477898.787
X = 820572.817
DELTA = 9°42'55" LT
D = 46°34'55"
T = 10.45'
L = 20.86'
R = 123.00'
PC STA = 73+77.88
Y = 477888.848
X = 820576.056
PT STA = 73+98.74
Y = 477908.036
X = 820567.947
DB = N18°03'06"W
DA = N27°46'01"W

CS CURVE 18

PI STA = 76+84.74
Y = 478161.101
X = 820434.707
DELTA = 30°07'03" RT
D = 5°23'24"
T = 286.00'
L = 558.76'
R = 1063.00'
PC STA = 73+98.74
Y = 477908.036
X = 820567.947
PT STA = 79+57.50
Y = 478446.858
X = 820446.436
DB = N27°46'01"W
DA = N02°21'01"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 631	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 05

PLOT DATE : 5/23/2025 10:45 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 97+45

MATCH LINE 102+75

98+00 'SB'
99+00 'SB'
'SB'
100+00 'SB'
101+00 'SB'
102+00 'SB'
N9°25'05"E
98+00
99+00
100+00
101+00
102+00

PT: 100+97.42 'CT'
PT: 100+80.32
PT: 100+86.50 'SB'

98+00 'CT'
99+00 'CT'
'CT'
100+00 'CT'
101+00 'CT'
102+00 'CT'
N9°25'05"E

Mid: 79+60.12 'CS'
Mid: 80+15.83 'CS'
Mid: 80+56.70 'CS'

CS CURVE 20
CS CURVE 21

78+00 'CS'
79+00 'CS'
80+00 'CS'
81+00 'CS'
82+00 'CS'
N0°52'13"E
N9°25'05"E

CS CURVE 19

PRC: 79+57.50 'CS'
PT: 79+62.75 'CS'
PC: 80+07.23 'CS'
PCC: 80+24.42 'CS'
PT: 80+88.98 'CS'

CS CURVE 19	CS CURVE 20	CS CURVE 21
PI STA = 79+60.13	PI STA = 80+15.83	PI STA = 80+56.71
Y = 478449.478	Y = 478505.178	Y = 478545.849
X = 820446.544	X = 820447.390	X = 820451.627
DELTA = 1°28'48" LT	DELTA = 5°04'40" RT	DELTA = 3°28'11" RT
D = 28°13'28"	D = 29°32'02"	D = 5°22'29"
T = 2.62'	T = 8.60'	T = 32.29'
L = 5.24'	L = 17.19'	L = 64.56'
R = 203.00'	R = 194.00'	R = 1066.00'
PC STA = 79+57.50	PC STA = 80+07.23	PC STA = 80+24.42
Y = 478446.858	Y = 478496.577	Y = 478513.734
X = 820446.436	X = 820447.259	X = 820448.281
PT STA = 79+62.75	PT STA = 80+24.42	PT STA = 80+88.98
Y = 478452.099	Y = 478513.734	Y = 478577.702
X = 820446.584	X = 820448.281	X = 820456.911
DB = N02°21'01"E	DB = N00°52'13"E	DB = N05°56'54"E
DA = N00°52'13"E	DA = N05°56'54"E	DA = N09°25'05"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 632	E

2

CS CURVE 22
PI STA = 83+49.22
Y = 478834.431
X = 820499.496
DELTA = 4°08'10" RT
D = 29°32'02"
T = 7.01'
L = 14.00'
R = 194.00'
PC STA = 83+42.21
Y = 478827.520
X = 820498.349
PT STA = 83+56.22
Y = 478841.241
X = 820501.137
DB = N09°25'05"E
DA = N13°33'15"E

CS CURVE 23
PI STA = 84+01.70
Y = 478885.458
X = 820511.797
DELTA = 2°38'17" LT
D = 28°13'28"
T = 4.67'
L = 9.35'
R = 203.00'
PC STA = 83+97.03
Y = 478880.914
X = 820510.702
PT STA = 84+06.37
Y = 478890.047
X = 820512.682
DB = N13°33'15"E
DA = N10°54'58"E

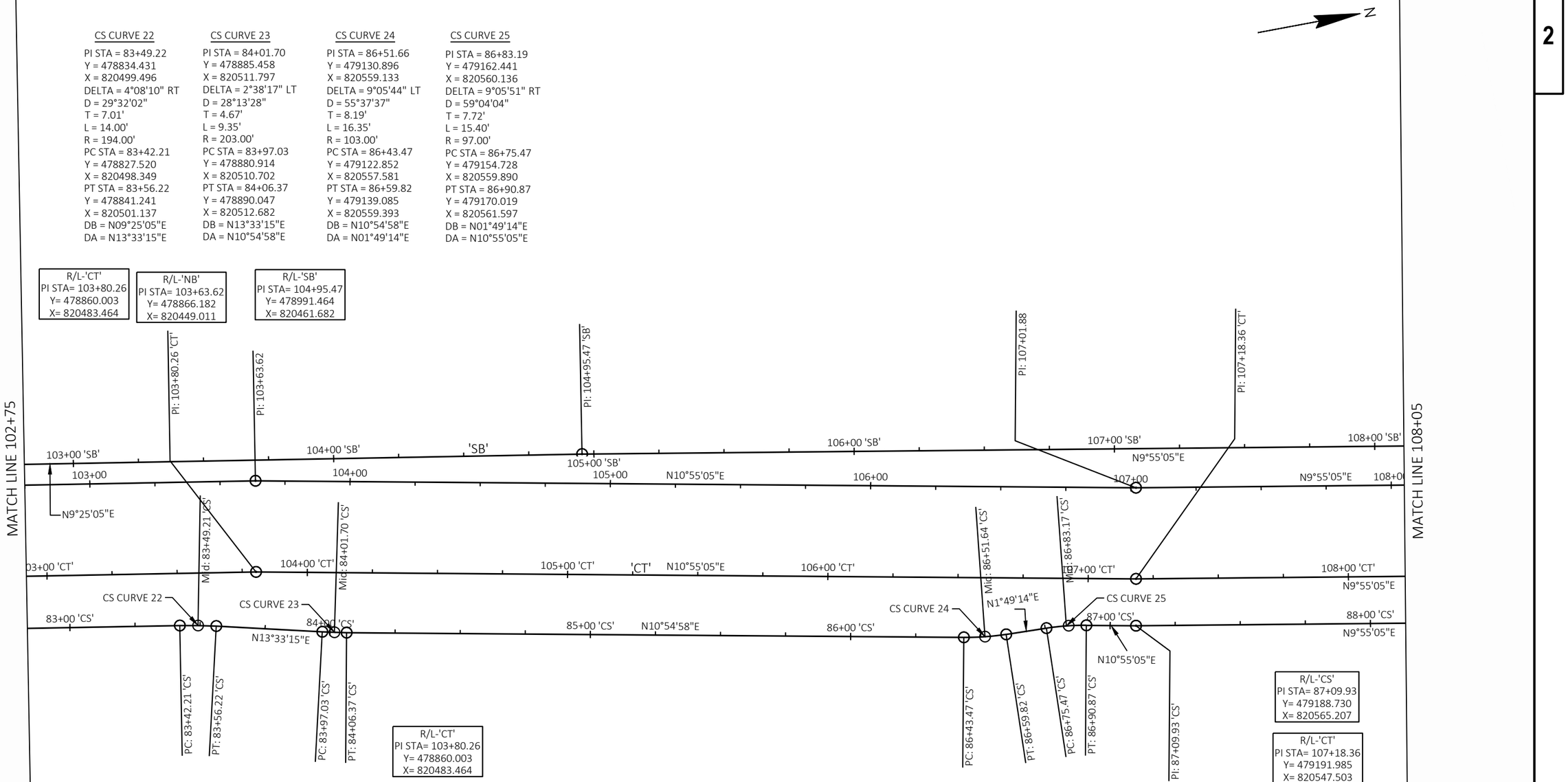
CS CURVE 24
PI STA = 86+51.66
Y = 479130.896
X = 820559.133
DELTA = 9°05'44" LT
D = 55°37'37"
T = 8.19'
L = 16.35'
R = 103.00'
PC STA = 86+43.47
Y = 479122.852
X = 820557.581
PT STA = 86+59.82
Y = 479139.085
X = 820559.393
DB = N10°54'58"E
DA = N01°49'14"E

CS CURVE 25
PI STA = 86+83.19
Y = 479162.441
X = 820560.136
DELTA = 9°05'51" RT
D = 59°04'04"
T = 7.72'
L = 15.40'
R = 97.00'
PC STA = 86+75.47
Y = 479154.728
X = 820559.890
PT STA = 86+90.87
Y = 479170.019
X = 820561.597
DB = N01°49'14"E
DA = N10°55'05"E

R/L-'CT'
PI STA= 103+80.26
Y= 478860.003
X= 820483.464

R/L-'NB'
PI STA= 103+63.62
Y= 478866.182
X= 820449.011

R/L-'SB'
PI STA= 104+95.47
Y= 479991.464
X= 820461.682



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 633	E

2

CS CURVE 26
PI STA = 89+14.24
Y = 479389.990
X = 820600.398
DELTA = 1°38'19" RT
D = 3°16'47"
T = 24.98'
L = 49.96'
R = 1747.00'
PC STA = 88+89.26
Y = 479365.382
X = 820596.095
PT STA = 89+39.22
Y = 479414.465
X = 820605.402
DB = N09°55'05"E
DA = N11°33'24"E

CS CURVE 27
PI STA = 89+51.79
Y = 479426.787
X = 820607.922
DELTA = 23°40'35" RT
D = 95°29'35"
T = 12.58'
L = 24.79'
R = 60.00'
PC STA = 89+39.22
Y = 479414.465
X = 820605.402
PT STA = 89+64.01
Y = 479437.059
X = 820615.177
DB = N11°33'24"E
DA = N35°13'58"E

CS CURVE 28
PI STA = 90+52.88
Y = 479509.647
X = 820666.444
DELTA = 38°50'03" LT
D = 22°43'35"
T = 88.87'
L = 170.88'
R = 252.11'
PC STA = 89+64.01
Y = 479437.059
X = 820615.177
PT STA = 91+34.89
Y = 479598.338
X = 820660.863
DB = N35°13'58"E
DA = N03°36'04"W

CS CURVE 29
PI STA = 91+53.94
Y = 479617.347
X = 820659.666
DELTA = 22°40'27" RT
D = 60°18'41"
T = 19.05'
L = 37.60'
R = 95.00'
PC STA = 91+34.89
Y = 479598.338
X = 820660.863
PT STA = 91+72.48
Y = 479635.348
X = 820665.890
DB = N03°36'04"W
DA = N19°04'23"E

CS CURVE 30
PI STA = 93+10.19
Y = 479765.491
X = 820710.887
DELTA = 9°00'49" RT
D = 3°16'47"
T = 137.70'
L = 274.84'
R = 1747.00'
PC STA = 91+72.48
Y = 479635.348
X = 820665.890
PT STA = 94+47.32
Y = 479886.977
X = 820775.718
DB = N19°04'23"E
DA = N28°05'12"E

JND SB CURVE 2
PI STA = 111+89.77
Y = 479675.388
X = 820581.269
DELTA = 17°17'01" RT
D = 3°27'51"
T = 251.38'
L = 498.94'
R = 1654.00'
PC STA = 109+38.39
Y = 479427.767
X = 820537.971
PT STA = 114+37.33
Y = 479898.964
X = 820696.179
DB = N09°55'05"E
DA = N27°12'06"E

N

MATCH LINE 108+05

MATCH LINE 113+35

PC: 108+97.54 'CT'
PC: 108+80.75
PC: 109+38.39 'SB'
Mid: 111+66.14
Mid: 111+87.86 'SB'
Mid: 111+77.38 'CT'

109+00 'SB'
110+00 'SB'
111+00 'SB'
'SB'
112+00 'SB'
113+00 'SB'

109+00
110+00
111+00
112+00
113+00

109+00 'CT'
110+00 'CT'
111+00 'CT'
'CT'
112+00 'CT'
113+00 'CT'

CS CURVE 13

CS CURVE 26
CS CURVE 27
CS CURVE 28
CS CURVE 29
CS CURVE 30

89+00 'CS'
90+00 'CS'
91+00 'CS'
92+00 'CS'
93+00 'CS'

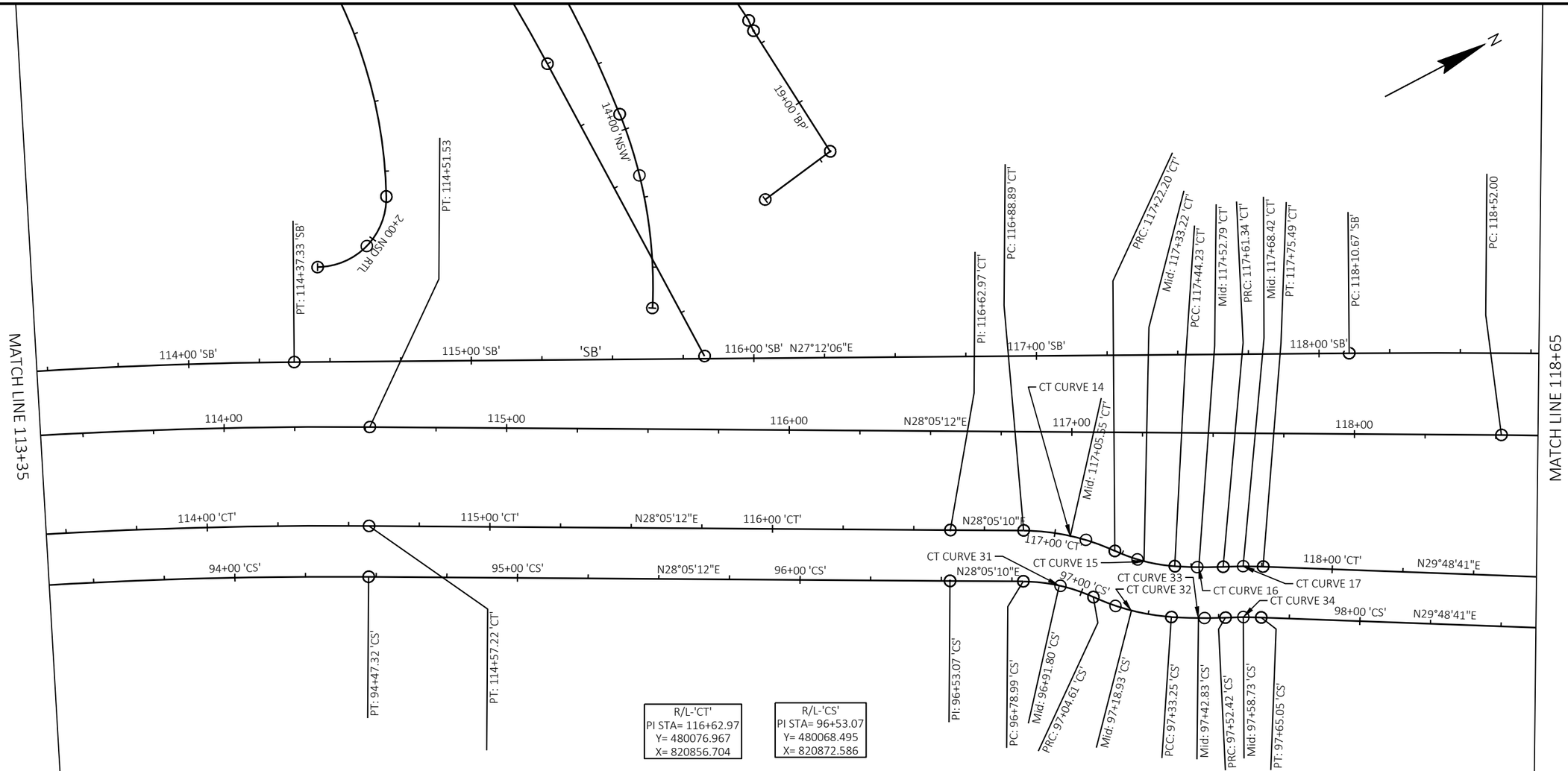
PC: 88+89.26 'CS'
Mid: 89+14.24 'CS'
PCC: 89+39.22 'CS'
Mid: 89+51.62 'CS'
PRC: 89+64.01 'CS'
Mid: 90+49.45 'CS'
PRC: 91+34.89 'CS'
Mid: 91+53.69 'CS'
PCC: 91+72.48 'CS'
Mid: 93+09.90 'CS'

CT CURVE 13
PI STA = 111+79.75
Y = 479646.474
X = 820626.972
DELTA = 18°10'07" RT
D = 3°14'46"
T = 282.21'
L = 559.68'
R = 1765.00'
PC STA = 108+97.54
Y = 479368.482
X = 820578.364
PT STA = 114+57.22
Y = 479895.450
X = 820759.837
DB = N09°55'05"E
DA = N28°05'12"E

JND NB CURVE 2
PI STA = 111+68.55
Y = 479658.016
X = 820593.459
DELTA = 18°10'07" RT
D = 3°10'59"
T = 287.81'
L = 570.78'
R = 1800.00'
PC STA = 108+80.75
Y = 479374.511
X = 820543.887
PT STA = 114+51.53
Y = 479911.930
X = 820728.960
DB = N09°55'05"E
DA = N28°05'12"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 634	E

2



CT CURVE 14

PI STA = 117+05.80
Y = 480114.760
X = 820876.871
DELTA = 24°28'16" RT
D = 73°27'22"
T = 16.91'
L = 33.31'
R = 78.00'
PC STA = 116+88.89
Y = 480099.837
X = 820868.908
PT STA = 117+22.20
Y = 480125.043
X = 820890.301
DB = N28°05'10"E
DA = N52°33'26"E

CT CURVE 15

PI STA = 117+33.34
Y = 480131.815
X = 820899.144
DELTA = 21°01'56" LT
D = 95°29'35"
T = 11.14'
L = 22.02'
R = 60.00'
PC STA = 117+22.20
Y = 480125.043
X = 820890.301
PT STA = 117+44.23
Y = 480141.309
X = 820904.968
DB = N52°33'26"E
DA = N31°31'30"E

CT CURVE 16

PI STA = 117+52.80
Y = 480148.612
X = 820909.447
DELTA = 6°32'16" LT
D = 38°11'50"
T = 8.57'
L = 17.12'
R = 150.00'
PC STA = 117+44.23
Y = 480141.309
X = 820904.968
PT STA = 117+61.34
Y = 480156.377
X = 820913.066
DB = N31°31'30"E
DA = N24°59'13"E

CT CURVE 17

PI STA = 117+68.42
Y = 480162.792
X = 820916.056
DELTA = 4°49'28" RT
D = 34°06'17"
T = 7.08'
L = 14.15'
R = 168.00'
PC STA = 117+61.34
Y = 480156.377
X = 820913.066
PT STA = 117+75.49
Y = 480168.932
X = 820919.574
DB = N24°59'14"E
DA = N29°48'41"E

CS CURVE 31

PI STA = 96+92.00
Y = 480102.841
X = 820890.914
DELTA = 24°28'16" RT
D = 95°29'35"
T = 13.01'
L = 25.63'
R = 60.00'
PC STA = 96+78.99
Y = 480091.362
X = 820884.788
PT STA = 97+04.61
Y = 480110.752
X = 820901.244
DB = N28°05'10"E
DA = N52°33'26"E

CS CURVE 32

PI STA = 97+19.09
Y = 480119.555
X = 820912.740
DELTA = 21°01'56" LT
D = 73°27'22"
T = 14.48'
L = 28.63'
R = 78.00'
PC STA = 97+04.61
Y = 480110.752
X = 820901.244
PT STA = 97+33.25
Y = 480131.897
X = 820920.311
DB = N52°33'26"E
DA = N31°31'30"E

CS CURVE 33

PI STA = 97+42.84
Y = 480140.076
X = 820925.328
DELTA = 6°32'16" LT
D = 34°06'17"
T = 9.60'
L = 19.17'
R = 168.00'
PC STA = 97+33.25
Y = 480131.897
X = 820920.311
PT STA = 97+52.42
Y = 480148.773
X = 820929.381
DB = N31°31'30"E
DA = N24°59'14"E

CS CURVE 34

PI STA = 97+58.73
Y = 480154.501
X = 820932.051
DELTA = 4°49'28" RT
D = 38°11'50"
T = 6.32'
L = 12.63'
R = 150.00'
PC STA = 97+52.42
Y = 480148.773
X = 820929.381
PT STA = 97+65.05
Y = 480159.983
X = 820935.192
DB = N24°59'14"E
DA = N29°48'41"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 635	E

2

CT CURVE 18

PI STA = 119+85.70
Y = 480351.324
X = 821024.079
DELTA = 13°25'34" LT
D = 38°11'50"
T = 17.66'
L = 35.15'
R = 150.00'
PC STA = 119+68.04
Y = 480336.005
X = 821015.302
PT STA = 120+03.19
Y = 480368.262
X = 821029.060
DB = N29°48'41"E
DA = N16°23'07"E

CT CURVE 19

PI STA = 120+35.36
Y = 480399.118
X = 821038.133
DELTA = 21°40'32" RT
D = 34°06'17"
T = 32.16'
L = 63.56'
R = 168.00'
PC STA = 120+03.19
Y = 480368.262
X = 821029.060
PT STA = 120+66.75
Y = 480424.442
X = 821057.961
DB = N16°23'07"E
DA = N38°03'39"E

CT CURVE 20

PI STA = 121+47.47
Y = 480488.002
X = 821107.728
DELTA = 2°33'25" LT
D = 11°53'14"
T = 10.76'
L = 21.51'
R = 482.00'
PC STA = 121+36.72
Y = 480479.532
X = 821101.096
PT STA = 121+58.23
Y = 480496.759
X = 821113.975
DB = N38°03'39"E
DA = N35°30'14"E

JND SB CURVE 3

PI STA = 120+59.51
Y = 480452.340
X = 820980.596
DELTA = 8°08'09" RT
D = 1°38'15"
T = 248.84'
L = 496.85'
R = 3499.00'
PC STA = 118+10.67
Y = 480231.017
X = 820866.843
PT STA = 123+07.52
Y = 480655.337
X = 821124.525
DB = N27°12'06"E
DA = N35°20'15"E

CT CURVE 21

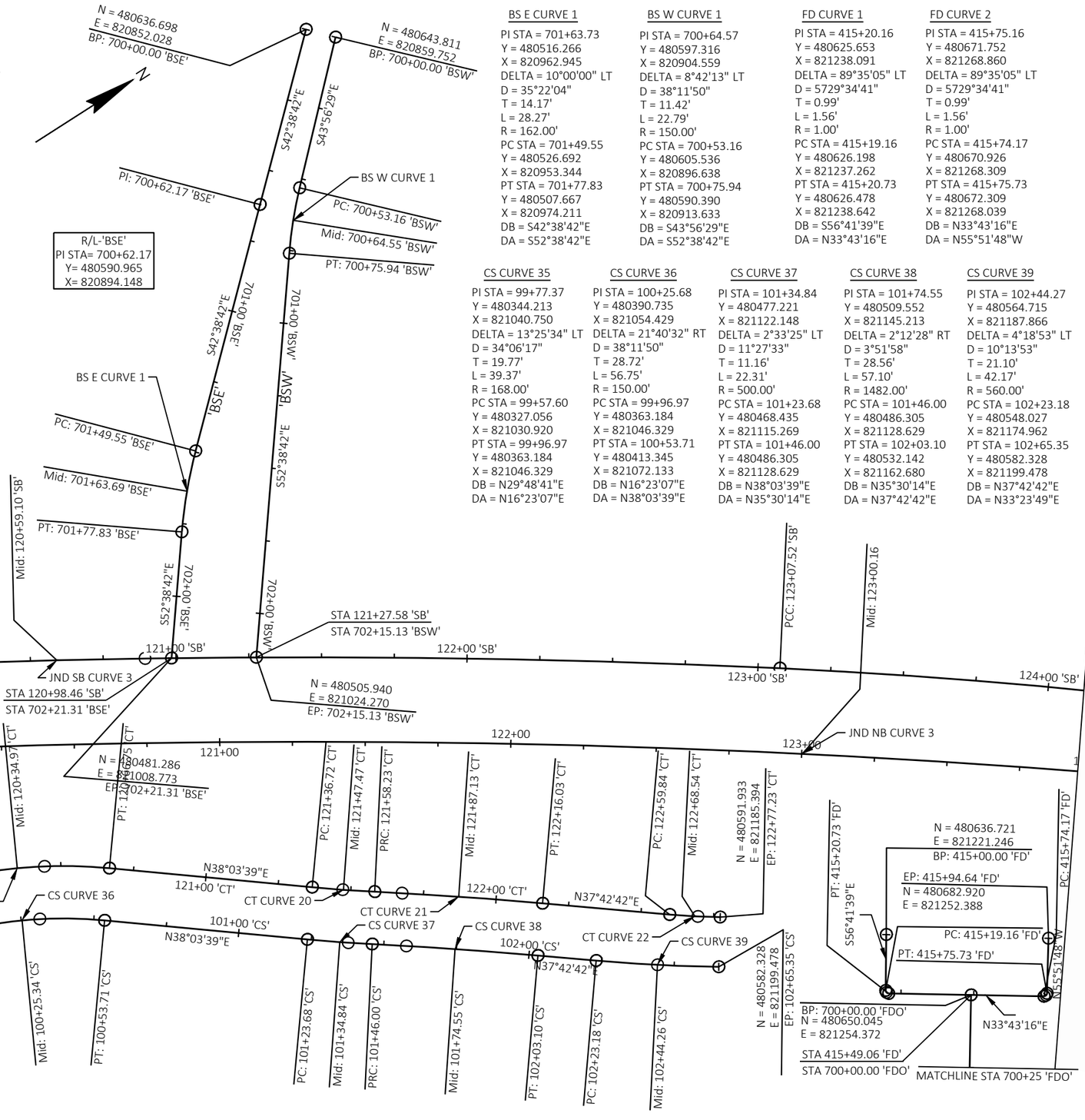
PI STA = 121+87.13
Y = 480520.288
X = 821130.761
DELTA = 2°12'28" RT
D = 3°49'11"
T = 28.90'
L = 57.80'
R = 1500.00'
PC STA = 121+58.23
Y = 480496.759
X = 821113.975
PT STA = 122+16.03
Y = 480543.153
X = 821148.440
DB = N35°30'14"E
DA = N37°42'42"E

CT CURVE 22

PI STA = 122+68.54
Y = 480584.698
X = 821180.564
DELTA = 3°59'09" LT
D = 22°55'06"
T = 8.70'
L = 17.39'
R = 250.00'
PC STA = 122+59.84
Y = 480577.816
X = 821175.242
PT STA = 122+77.23
Y = 480591.933
X = 821185.394
DB = N37°42'42"E
DA = N33°43'33"E

JND NB CURVE 3

PI STA = 123+02.67
Y = 480662.835
X = 821129.681
DELTA = 14°47'59" RT
D = 1°39'04"
T = 450.67'
L = 896.32'
R = 3470.00'
PC STA = 118+52.00
Y = 480265.240
X = 820917.504
PT STA = 127+48.32
Y = 480993.040
X = 821436.381
DB = N28°05'12"E
DA = N42°53'11"E



BS E CURVE 1

PI STA = 701+63.73
Y = 480516.266
X = 820962.945
DELTA = 10°00'00" LT
D = 35°22'04"
T = 14.17'
L = 28.27'
R = 162.00'
PC STA = 701+49.55
Y = 480526.692
X = 820953.344
PT STA = 701+77.83
Y = 480507.667
X = 820974.211
DB = S42°38'42"E
DA = S52°38'42"E

BS W CURVE 1

PI STA = 700+64.57
Y = 480597.316
X = 820904.559
DELTA = 8°42'13" LT
D = 38°11'50"
T = 11.42'
L = 22.79'
R = 150.00'
PC STA = 700+53.16
Y = 480605.536
X = 820896.638
PT STA = 700+75.94
Y = 480590.390
X = 820913.633
DB = S43°56'29"E
DA = S52°38'42"E

FD CURVE 1

PI STA = 415+20.16
Y = 480625.653
X = 821238.091
DELTA = 89°35'05" LT
D = 5729°34'41"
T = 0.99'
L = 1.56'
R = 1.00'
PC STA = 415+19.16
Y = 480626.198
X = 821237.262
PT STA = 415+20.73
Y = 480626.478
X = 821238.642
DB = S56°41'39"E
DA = N33°43'16"E

FD CURVE 2

PI STA = 415+75.16
Y = 480671.752
X = 821268.860
DELTA = 89°35'05" LT
D = 5729°34'41"
T = 0.99'
L = 1.56'
R = 1.00'
PC STA = 415+74.17
Y = 480670.926
X = 821268.309
PT STA = 415+75.73
Y = 480672.309
X = 821268.039
DB = N33°43'16"E
DA = N55°51'48"W

CS CURVE 35

PI STA = 99+77.37
Y = 480344.213
X = 821040.750
DELTA = 13°25'34" LT
D = 34°06'17"
T = 19.77'
L = 39.37'
R = 168.00'
PC STA = 99+57.60
Y = 480327.056
X = 821030.920
PT STA = 99+96.97
Y = 480363.184
X = 821046.329
DB = N29°48'41"E
DA = N16°23'07"E

CS CURVE 36

PI STA = 100+25.68
Y = 480390.735
X = 821054.429
DELTA = 21°40'32" RT
D = 38°11'50"
T = 28.72'
L = 56.75'
R = 150.00'
PC STA = 99+96.97
Y = 480363.184
X = 821046.329
PT STA = 100+53.71
Y = 480413.345
X = 821072.133
DB = N16°23'07"E
DA = N38°03'39"E

CS CURVE 37

PI STA = 101+34.84
Y = 480477.221
X = 821122.148
DELTA = 2°33'25" LT
D = 11°27'33"
T = 11.16'
L = 22.31'
R = 500.00'
PC STA = 101+23.68
Y = 480468.435
X = 821115.269
PT STA = 101+46.00
Y = 480486.305
X = 821128.629
DB = N38°03'39"E
DA = N35°30'14"E

CS CURVE 38

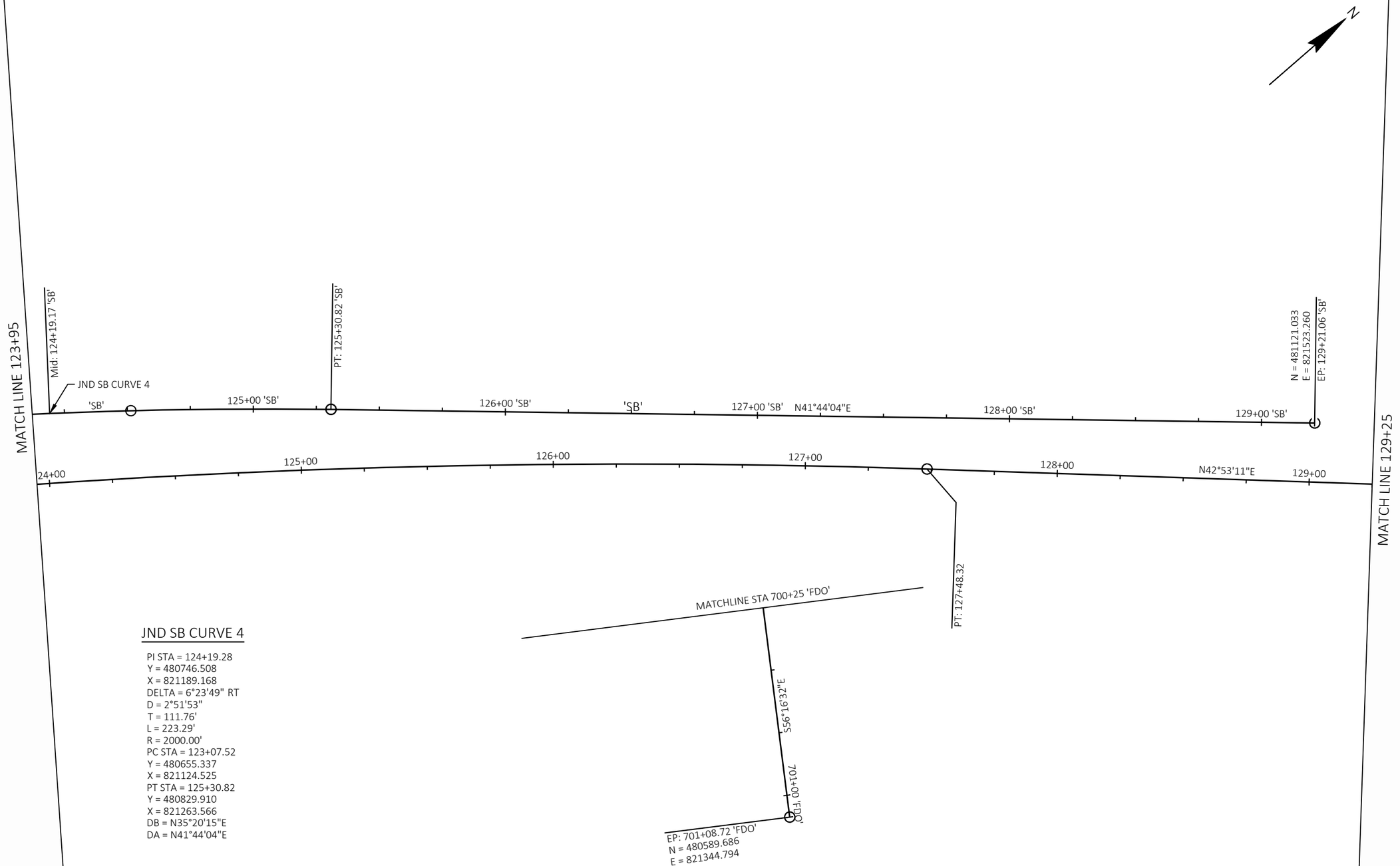
PI STA = 101+74.55
Y = 480509.552
X = 821145.213
DELTA = 2°12'28" RT
D = 3°51'58"
T = 28.56'
L = 57.10'
R = 1482.00'
PC STA = 101+46.00
Y = 480486.305
X = 821128.629
PT STA = 102+03.10
Y = 480532.142
X = 821162.680
DB = N35°30'14"E
DA = N37°42'42"E

CS CURVE 39

PI STA = 102+44.27
Y = 480564.715
X = 821187.866
DELTA = 4°18'53" LT
D = 10°13'53"
T = 21.10'
L = 42.17'
R = 560.00'
PC STA = 102+23.18
Y = 480548.027
X = 821174.962
PT STA = 102+65.35
Y = 480582.328
X = 821199.478
DB = N37°42'42"E
DA = N33°23'49"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 636	E

2



JND SB CURVE 4

PI STA = 124+19.28
Y = 480746.508
X = 821189.168
DELTA = 6°23'49" RT
D = 2°51'53"
T = 111.76'
L = 223.29'
R = 2000.00'
PC STA = 123+07.52
Y = 480655.337
X = 821124.525
PT STA = 125+30.82
Y = 480829.910
X = 821263.566
DB = N35°20'15"E
DA = N41°44'04"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 637	E

2

2

R/L-'NB'
PI STA= 129+86.33
Y= 481167.437
X= 821598.362

MATCH LINE 129+25

PI: 129+86.33

130+00

N42°03'33"E

N = 481215.609
E = 821641.827
EP: 130+51.22

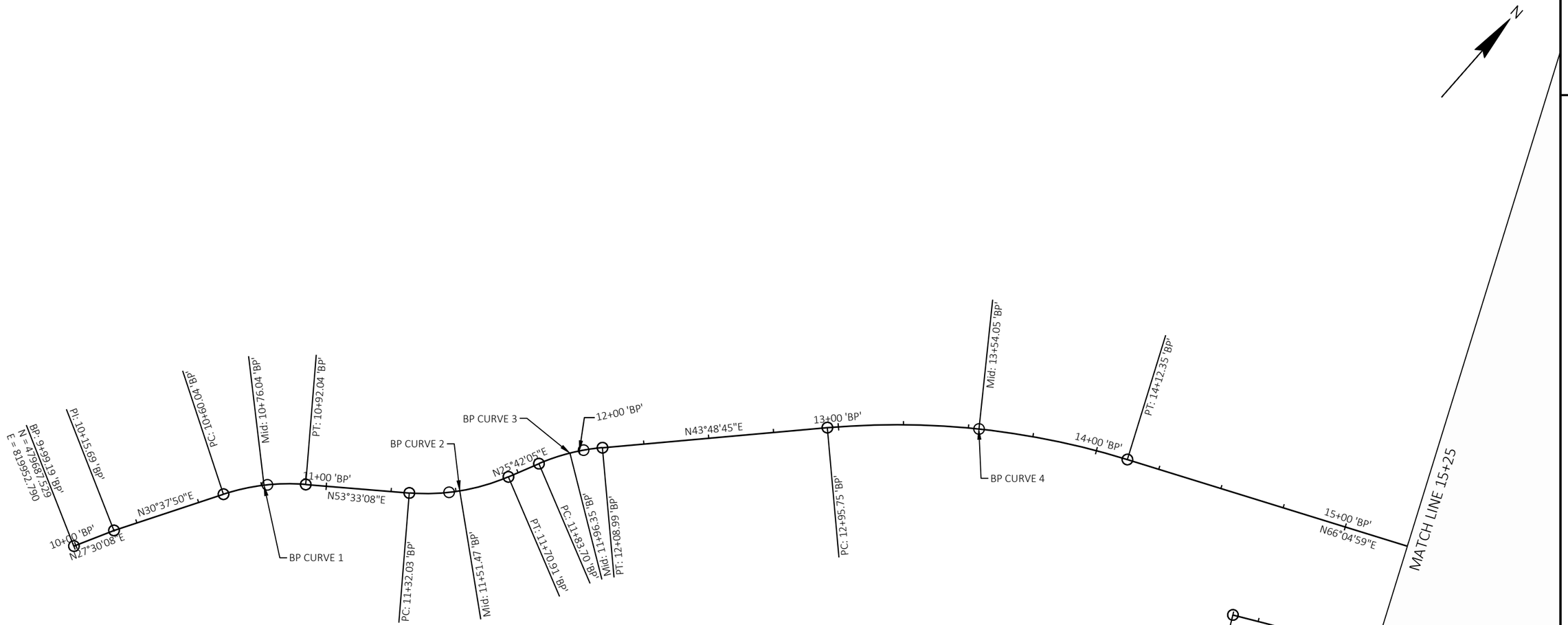
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 638	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 12

PLOT DATE : 5/23/2025 10:46 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



R/L-'BP'
PI STA= 10+15.69
Y= 479702.172
X= 819960.414

BP CURVE 1

PI STA = 10+76.26
Y = 479754.284
X = 819991.270
DELTA = 22°55'18" RT
D = 71°37'11"
T = 16.22'
L = 32.00'
R = 80.00'
PC STA = 10+60.04
Y = 479740.328
X = 819983.006
PT STA = 10+92.04
Y = 479763.920
X = 820004.316
DB = N30°37'50"E
DA = N53°33'08"E

BP CURVE 2

PI STA = 11+51.86
Y = 479799.459
X = 820052.436
DELTA = 27°51'03" LT
D = 71°37'11"
T = 19.84'
L = 38.89'
R = 80.00'
PC STA = 11+32.03
Y = 479787.675
X = 820036.480
PT STA = 11+70.91
Y = 479817.332
X = 820061.038
DB = N53°33'08"E
DA = N25°42'05"E

BP CURVE 3

PI STA = 11+96.45
Y = 479840.344
X = 820072.114
DELTA = 18°06'40" RT
D = 71°37'11"
T = 12.75'
L = 25.29'
R = 80.00'
PC STA = 11+83.70
Y = 479828.855
X = 820066.584
PT STA = 12+08.99
Y = 479849.544
X = 820080.941
DB = N25°42'05"E
DA = N43°48'45"E

BP CURVE 4

PI STA = 13+54.80
Y = 479954.760
X = 820181.883
DELTA = 22°16'14" RT
D = 19°05'55"
T = 59.05'
L = 116.61'
R = 300.00'
PC STA = 12+95.75
Y = 479912.149
X = 820141.003
PT STA = 14+12.35
Y = 479978.699
X = 820235.862
DB = N43°48'45"E
DA = N66°04'59"E

PROJECT NO: 599-11-21,-28	HWY: NORTH SHORE DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 639	E

2

BP B CURVE 1
PI STA = 26+13.16
Y = 480137.190
X = 820462.587
DELTA = 62°34'24" RT
D = 70°44'08"
T = 49.22'
L = 88.46'
R = 81.00'
PC STA = 25+63.93
Y = 480163.361
X = 820420.899
PT STA = 26+52.39
Y = 480088.132
X = 820458.560
DB = S57°52'47"E
DA = S04°41'38"W

BP CURVE 5
PI STA = 15+98.24
Y = 480054.060
X = 820405.788
DELTA = 7°39'56" LT
D = 63°39'43"
T = 6.03'
L = 12.04'
R = 90.00'
PC STA = 15+92.21
Y = 480051.616
X = 820400.276
PT STA = 16+04.25
Y = 480057.218
X = 820410.924
DB = N66°04'59"E
DA = N58°25'03"E

BP CURVE 6
PI STA = 16+41.60
Y = 480076.778
X = 820442.740
DELTA = 50°03'00" RT
D = 71°37'11"
T = 37.35'
L = 69.88'
R = 80.00'
PC STA = 16+04.25
Y = 480057.218
X = 820410.924
PT STA = 16+74.14
Y = 480064.948
X = 820478.164
DB = N58°25'03"E
DA = S71°31'57"E

BP CURVE 7
PI STA = 17+00.19
Y = 480056.695
X = 820502.874
DELTA = 29°37'24" LT
D = 63°39'43"
T = 23.80'
L = 46.53'
R = 90.00'
PC STA = 16+76.39
Y = 480064.234
X = 820480.301
PT STA = 17+22.92
Y = 480061.300
X = 820526.223
DB = S71°31'57"E
DA = N78°50'39"E

BP CURVE 8
PI STA = 17+91.47
Y = 480074.562
X = 820593.475
DELTA = 14°42'42" LT
D = 38°11'50"
T = 19.36'
L = 38.52'
R = 150.00'
PC STA = 17+72.11
Y = 480070.816
X = 820574.477
PT STA = 18+10.62
Y = 480083.010
X = 820610.899
DB = N78°50'39"E
DA = N64°07'57"E

BP CURVE 9
PI STA = 18+38.55
Y = 480095.198
X = 820636.033
DELTA = 21°05'52" RT
D = 38°11'50"
T = 27.93'
L = 55.23'
R = 150.00'
PC STA = 18+10.62
Y = 480083.010
X = 820610.899
PT STA = 18+65.85
Y = 480097.520
X = 820663.870
DB = N64°07'57"E
DA = N85°13'49"E

NS E CURVE 1
PI STA = 11+96.05
Y = 480026.060
X = 820511.114
DELTA = 25°02'22" RT
D = 9°32'57"
T = 133.23'
L = 262.21'
R = 600.00'
PC STA = 10+62.81
Y = 479968.504
X = 820390.954
PT STA = 13+25.03
Y = 480027.350
X = 820644.340
DB = N64°24'21"E
DA = N89°26'42"E

NSD RTL CURVE 1
PI STA = 1+26.33
Y = 479983.113
X = 820603.045
DELTA = 40°46'44" RT
D = 33°48'10"
T = 63.00'
L = 120.64'
R = 169.50'
PC STA = 0+63.33
Y = 479967.563
X = 820541.993
PT STA = 1+83.96
Y = 479955.012
X = 820659.431
DB = N75°42'39"E
DA = S63°30'37"E

NSD RTL CURVE 2
PI STA = 2+08.77
Y = 479943.948
X = 820681.633
DELTA = 90°42'43" RT
D = 233°51'37"
T = 24.81'
L = 38.79'
R = 24.50'
PC STA = 1+83.96
Y = 479955.012
X = 820659.431
PT STA = 2+22.75
Y = 479921.885
X = 820670.294
DB = S63°30'37"E
DA = S27°12'06"W

R/L-'BPB'
PI STA= 25+22.15
Y= 480193.906
X= 820392.746

R/L-'BPB'
PI STA= 25+53.79
Y= 480169.002
X= 820412.384

R/L-'BP'
PI STA= 18+69.89
Y= 480097.355
X= 820667.897

R/L-'BP'
PI STA= 19+20.40
Y= 480101.555
X= 820718.238

R/L-NSD RTL
PI STA= 0+53.28
Y= 479964.126
X= 820532.549

NS W CURVE 1
PI STA = 10+84.81
Y = 479992.368
X = 820367.751
DELTA = 12°04'33" RT
D = 8°40'52"
T = 69.81'
L = 139.10'
R = 660.00'
PC STA = 10+15.00
Y = 479960.354
X = 820305.715
PT STA = 11+54.10
Y = 480010.696
X = 820435.112
DB = N62°42'12"E
DA = N74°46'44"E

NS W CURVE 2
PI STA = 12+23.64
Y = 480028.954
X = 820502.214
DELTA = 6°38'00" RT
D = 4°46'29"
T = 69.54'
L = 138.93'
R = 1200.00'
PC STA = 11+54.10
Y = 480010.696
X = 820435.112
PT STA = 12+93.03
Y = 480039.338
X = 820570.975
DB = N74°46'44"E
DA = N81°24'44"E

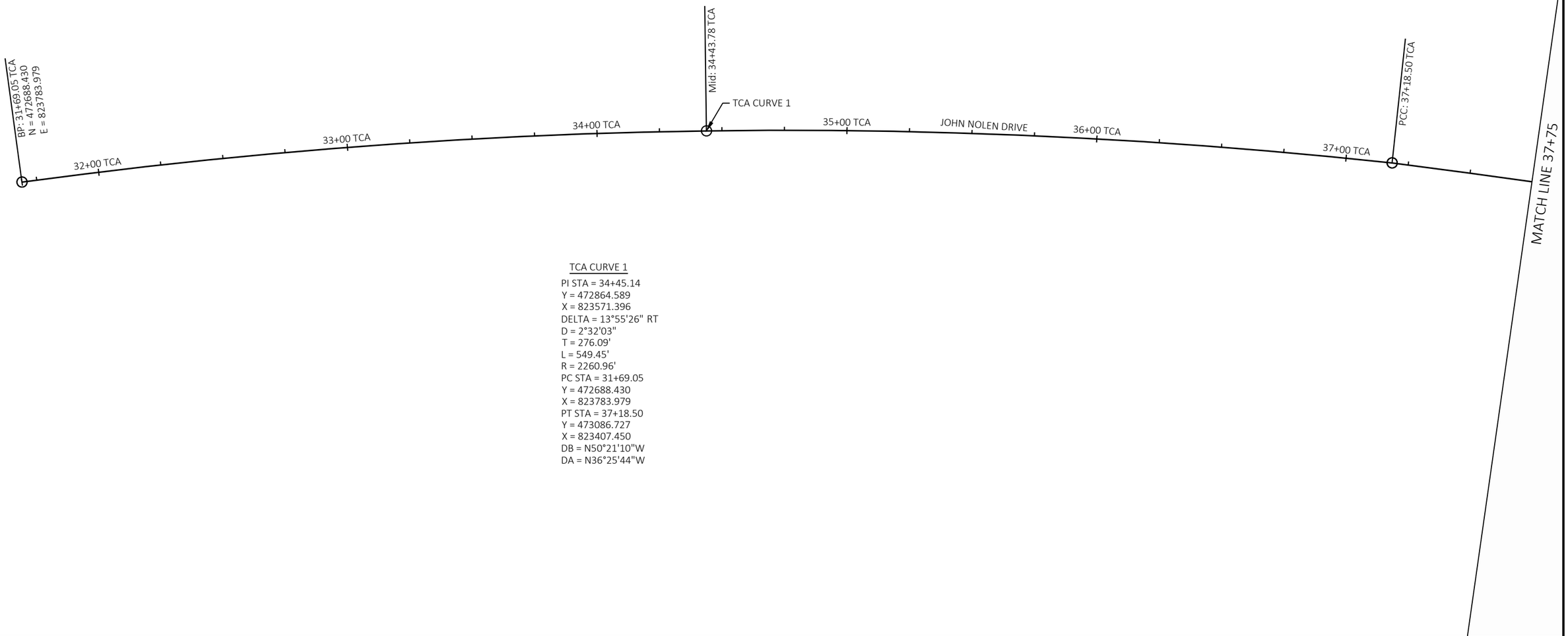
NS W CURVE 3
PI STA = 13+43.96
Y = 480046.943
X = 820621.334
DELTA = 14°30'45" RT
D = 14°19'26"
T = 50.93'
L = 101.32'
R = 400.00'
PC STA = 12+93.03
Y = 480039.338
X = 820570.975
PT STA = 13+94.34
Y = 480041.686
X = 820671.993
DB = N81°24'44"E
DA = S84°04'31"E

NS W CURVE 4
PI STA = 14+29.93
Y = 480038.013
X = 820707.390
DELTA = 24°20'32" RT
D = 34°43'29"
T = 35.59'
L = 70.10'
R = 165.00'
PC STA = 13+94.34
Y = 480041.686
X = 820671.993
PT STA = 14+64.45
Y = 480020.076
X = 820738.126
DB = S84°04'31"E
DA = S59°43'59"E

PROJECT NO: 599-11-21,-28	HWY: NORTHSHORE DRIVE	COUNTY: DANE	ALIGNMENT DIAGRAM	SHEET 640 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 14
PLOT DATE : 5/23/2025 10:46 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



TCA CURVE 1

PI STA = 34+45.14
Y = 472864.589
X = 823571.396
DELTA = 13°55'26" RT
D = 2°32'03"
T = 276.09'
L = 549.45'
R = 2260.96'
PC STA = 31+69.05
Y = 472688.430
X = 823783.979
PT STA = 37+18.50
Y = 473086.727
X = 823407.450
DB = N50°21'10"W
DA = N36°25'44"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 641	E

2

N

MATCH LINE 37+75

38+00 TCA

39+00 TCA

40+00 TCA

Mid: 40+10.54 TCA

TCA CURVE 2

41+00 TCA

JOHN NOLEN DRIVE

42+00 TCA

43+00 TCA

PCC: 43+02.58 TCA

MATCH LINE 43+25

TCA CURVE 2
PI STA = 40+11.20
Y = 473325.265
X = 823237.828
DELTA = 9°26'04" RT
D = 1°36'55"
T = 292.70'
L = 584.07'
R = 3547.05'
PC STA = 37+18.50
Y = 473086.727
X = 823407.450
PT STA = 43+02.58
Y = 473588.381
X = 823109.602
DB = N35°24'58"W
DA = N25°58'54"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 642	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 02
PLOT DATE : 5/23/2025 10:48 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TCA CURVE 3

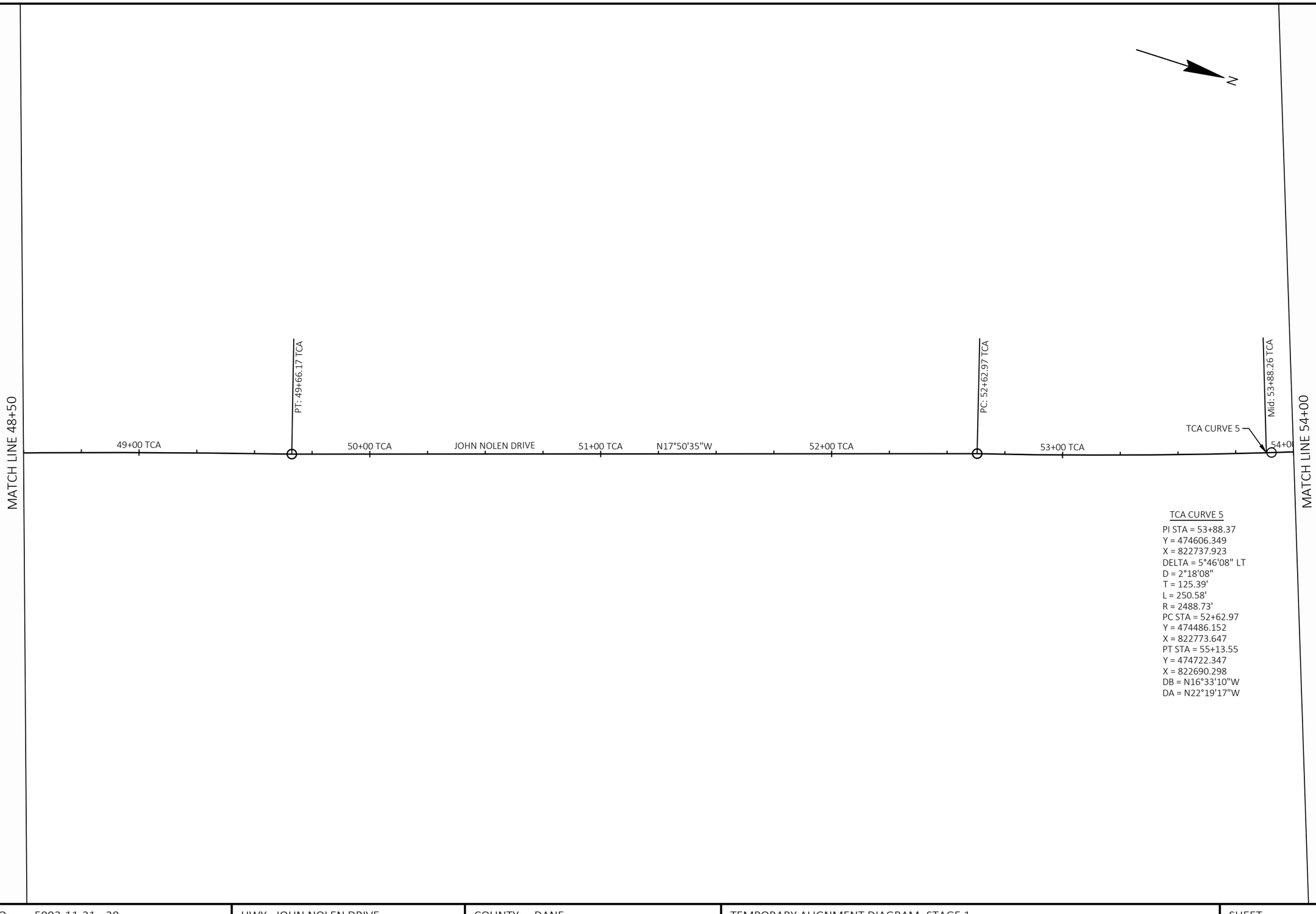
PI STA = 44+36.59
Y = 473704.145
X = 823042.083
DELTA = 9°43'39" RT
D = 3°38'17"
T = 134.02'
L = 267.39'
R = 1574.92'
PC STA = 43+02.58
Y = 473588.381
X = 823109.602
PT STA = 45+69.96
Y = 473829.654
X = 822995.095
DB = N30°15'09"W
DA = N20°31'30"W

TCA CURVE 4

PI STA = 47+68.19
Y = 474013.876
X = 822921.921
DELTA = 4°51'06" RT
D = 1°13'28"
T = 198.22'
L = 396.21'
R = 4679.05'
PC STA = 45+69.96
Y = 473829.654
X = 822995.095
PT STA = 49+66.17
Y = 474203.628
X = 822864.590
DB = N21°39'47"W
DA = N16°48'41"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 643	E

2



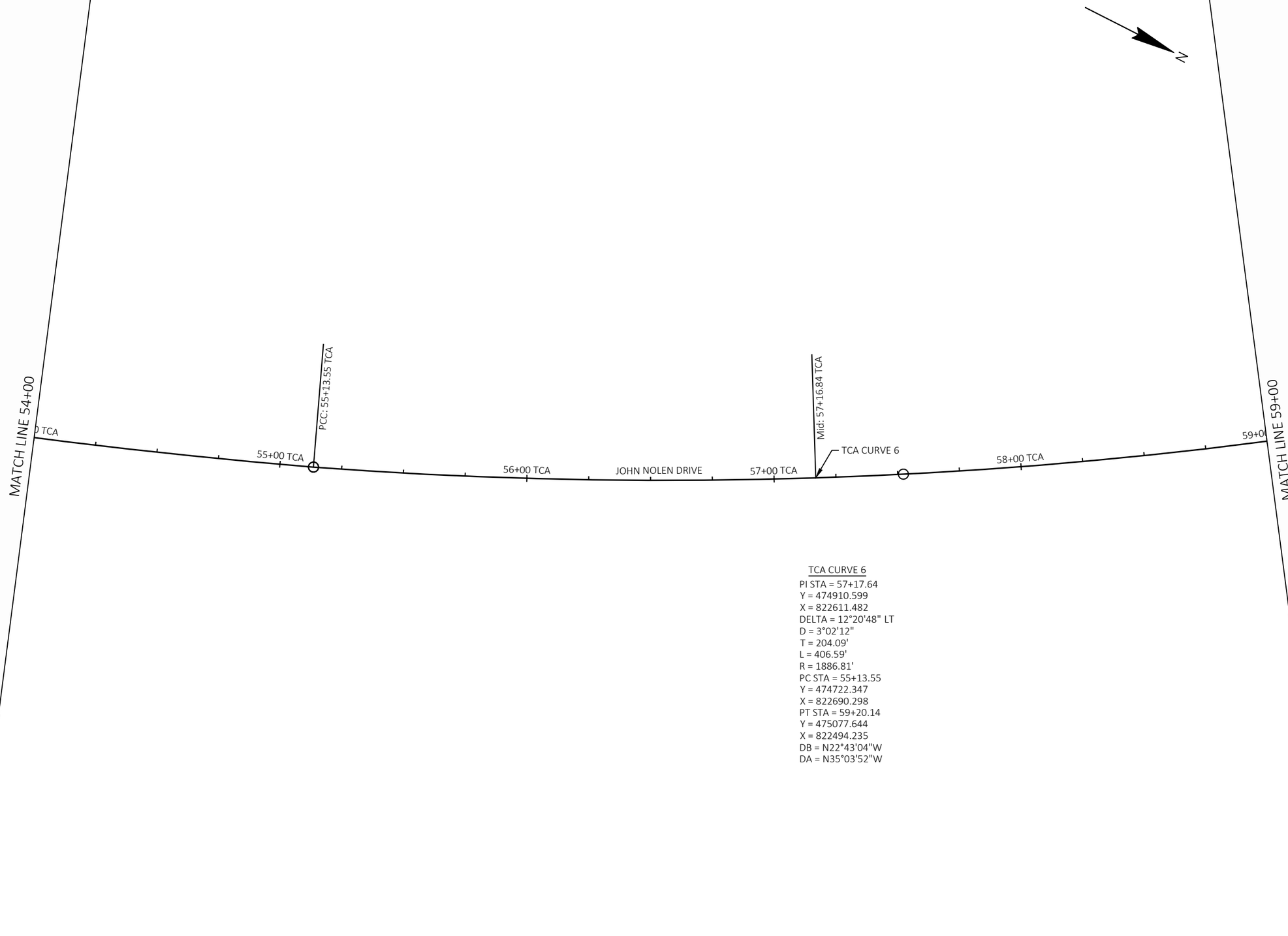
TCA CURVE 5

PI STA = 53+88.37
Y = 474606.349
X = 822737.923
DELTA = 5°46'08" LT
D = 2°18'08"
T = 125.39'
L = 250.58'
R = 2488.73'
PC STA = 52+62.97
Y = 474486.152
X = 822773.647
PT STA = 55+13.55
Y = 474722.347
X = 822690.298
DB = N16°33'10"W
DA = N22°19'17"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 644	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 04
PLOT DATE : 5/23/2025 10:48 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TCA CURVE 6
PI STA = 57+17.64
Y = 474910.599
X = 822611.482
DELTA = 12°20'48" LT
D = 3°02'12"
T = 204.09'
L = 406.59'
R = 1886.81'
PC STA = 55+13.55
Y = 474722.347
X = 822690.298
PT STA = 59+20.14
Y = 475077.644
X = 822494.235
DB = N22°43'04"W
DA = N35°03'52"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 645	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 05
PLOT DATE : 5/23/2025 10:49 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TCA CURVE 7

PI STA = 59+55.32
Y = 475106.441
X = 822474.020
DELTA = 2°15'43" LT
D = 3°12'54"
T = 35.18'
L = 70.36'
R = 1782.15'
PC STA = 59+20.14
Y = 475077.644
X = 822494.235
PT STA = 59+90.50
Y = 475134.417
X = 822452.685
DB = N35°04'05"W
DA = N37°19'48"W

TCA CURVE 8

PI STA = 60+92.14
Y = 475214.474
X = 822390.065
DELTA = 1°28'58" LT
D = 0°43'46"
T = 101.64'
L = 203.27'
R = 7853.78'
PC STA = 59+90.50
Y = 475134.417
X = 822452.685
PT STA = 61+93.76
Y = 475292.884
X = 822325.395
DB = N38°01'55"W
DA = N39°30'54"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 646	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 06
PLOT DATE : 5/23/2025 10:49 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



TCA CURVE 9

PI STA = 66+30.19
Y = 475633.342
X = 822052.353
DELTA = 3°36'38" RT
D = 1°29'58"
T = 120.43'
L = 240.79'
R = 3821.12'
PC STA = 65+09.75
Y = 475538.938
X = 822127.133
PT STA = 67+50.54
Y = 475732.268
X = 821983.666
DB = N38°23'01"W
DA = N34°46'24"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 647	E

2

2

N

MATCH LINE 69+80

70+00 TCA

71+00 TCA

72+00 TCA

JOHN NOLEN DRIVE

73+00 TCA

74+00 TCA

75+00 TCA

N34°29'28"W

MATCH LINE 75+10

PI: 70+99.85 TCA

R/L-'TCA'
PI STA = 70+99.85 TCA
Y=476019.6416
X=821785.0884

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 648	E

2

2

R/L-'TCA'
PI STA = 77+03.87 TCA
Y=476517.4806
X=821443.0473

PI: 79+09.76 TCA

MATCH LINE 75+10

76+00 TCA

77+00 TCA

JOHN NOLEN DRIVE

78+00 TCA

79+00 TCA

80+00 TCA

N34°38'17"W

N34°21'51"W

MATCH LINE 80+40

PI: 77+03.87 TCA

R/L-'TCA'
PI STA = 79+09.76 TCA
Y=476686.8806
X=821326.0197

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 649	E

2

2

R/L-'TCA'
PI STA = 80+96.66 TCA
Y=476841.1610
X=821220.5230

MATCH LINE 80+40

81+00 TCA

82+00 TCA

JOHN NOLEN DRIVE

83+00 TCA

N34°32'47"W

84+00 TCA

85+00 TCA

MATCH LINE 85+70

PI: 80+96.66 TCA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 650	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 10

PLOT DATE : 5/23/2025 10:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

R/L-'TCA'
PI STA = 86+34.46 TCA
Y=477284.1280
X=820915.5530

R/L-'TCA'
PI STA = 89+34.56 TCA
Y=477534.3230
X=820749.8400

MATCH LINE 85+70

PI: 86+34.46 TCA

86+00 TCA

87+00 TCA

88+00 TCA

N33°31'05"W

JOHN NOLEN DRIVE

89+00 TCA

PI: 89+34.56 TCA

90+00 TCA

91+0

N33°08'16"W

MATCH LINE 91+00

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 651	E

2

2

N

MATCH LINE 91+00

92+00 TCA

PC: 92+25.86 TCA

93+00 TCA

JOHN NOLEN DRIVE

94+00 TCA

95+00 TCA

96+00 TCA

MATCH LINE 96+30

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 652	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 12

PLOT DATE : 5/23/2025 10:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 96+30

Mid: 96+54.82 TCA

TCA CURVE 10

97+00 TCA

98+00 TCA

JOHN NOLEN DRIVE

99+00 TCA

100+00 TCA

PT: 100+83.79 TCA

101+00 TCA

MATCH LINE 101+60

TCA CURVE 10

PI STA = 96+75.53
Y = 478154.551
X = 820344.430
DELTA = 42°23'44" RT
D = 4°56'30"
T = 449.67'
L = 857.93'
R = 1159.45'
PC STA = 92+25.86
Y = 477778.246
X = 820590.599
PT STA = 100+83.79
Y = 478598.433
X = 820416.354
DB = N33°11'30"W
DA = N09°12'14"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 653	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 13
PLOT DATE : 5/23/2025 10:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE 101+60

102+00 TCA

N10°42'58"E

103+00 TCA

PI: 103+62.74 TCA

104+00 TCA

JOHN NOLEN DRIVE

105+00 TCA

N10°46'54"E

106+00 TCA

MATCH LINE 106+90

R/L-'TCA'
PI STA = 103+62.74 TCA
Y=478872.5180
X=820468.2230

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 654	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 14

PLOT DATE : 5/23/2025 10:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 106+90

PC: 106+93.72 TCA

Mid: 107+87.32 TCA

TCA CURVE 11

PCC: 108+80.92 TCA

Mid: 111+27.11 TCA

TCA CURVE 12

MATCH LINE 112+20

107+00 TCA

108+00 TCA

109+00 TCA

JOHN NOLEN DRIVE

110+00 TCA

111+00 TCA

112+00 TCA

TCA CURVE 11

PI STA = 107+87.37
Y = 479290.098
X = 820545.163
DELTA = 4°37'50" RT
D = 2°28'25"
T = 93.65'
L = 187.21'
R = 2316.39'
PC STA = 106+93.72
Y = 479197.656
X = 820530.138
PT STA = 108+80.92
Y = 479381.025
X = 820567.602
DB = N09°13'55"E
DA = N13°51'45"E

TCA CURVE 12

PI STA = 111+27.90
Y = 479623.937
X = 820612.216
DELTA = 11°15'03" RT
D = 2°17'06"
T = 246.97'
L = 492.36'
R = 2507.38'
PC STA = 108+80.92
Y = 479381.025
X = 820567.602
PT STA = 113+73.29
Y = 479853.476
X = 820703.367
DB = N10°24'26"E
DA = N21°39'29"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 655	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 15
PLOT DATE : 5/23/2025 10:49 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

47+00 TNSD

NORTH SHORE DRIVE

Mid: 47+14.05 TNSD

PCC: 47+61.22 TNSD

48+00 TNSD

Mid: 47+96.27 TNSD

N = 480020.076
E = 820738.126
EP: 48+31.32 TNSD

PT: 113+73.29 TCA

PI: 113+95.42 TCA

PI: 114+38.16 TCA

N17°01'25"E

N22°36'01"E

113+00 TCA

114+00 TCA

115+00 TCA

116+00 TCA

N28°51'24"E

117+00 TCA

JOHN NOLEN DRIVE

MATCH LINE 112+20

MATCH LINE 117+75

R/L-'TCA'
PI STA = 113+95.42 TCA
Y=479873.9100
X=820711.8730

R/L-'TCA'
PI STA = 114+38.16 TCA
Y=479914.7808
X=820724.3869

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 656	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 16

PLOT DATE : 5/23/2025 10:49 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PC: 700+53.16 TBS
Mid: 700+64.55 TBS
PT: 700+75.94 TBS

701+00 TBS

BROOM STREET

S25°38'42"E

702+00 TBS

N = 480505.940
E = 821024.270
EP: 702+15.13 TBS

N

PC: 118+38.31 TCA

118+00 TCA

119+00 TCA

120+00 TCA

JOHN NOLEN DRIVE

121+00 TCA

122+00 TCA

TCA CURVE 13

123+0

MATCH LINE 117+75

MATCH LINE 123+00

Mid: 122+86.47 TCA

TCA CURVE 13

PI STA = 122+88.98
Y = 480662.835
X = 821129.681
DELTA = 14°47'59" RT
D = 1°39'04"
T = 450.67'
L = 896.32'
R = 3470.00'
PC STA = 118+38.31
Y = 480265.240
X = 820917.504
PT STA = 127+34.62
Y = 480993.040
X = 821436.381
DB = N28°05'12"E
DA = N42°53'11"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 657	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 17

PLOT DATE : 5/23/2025 10:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 123+00

0 TCA

124+00 TCA

125+00 TCA

JOHN NOLEN DRIVE

126+00 TCA

127+00 TCA

PT: 127+34.62 TCA

128+00 TCA

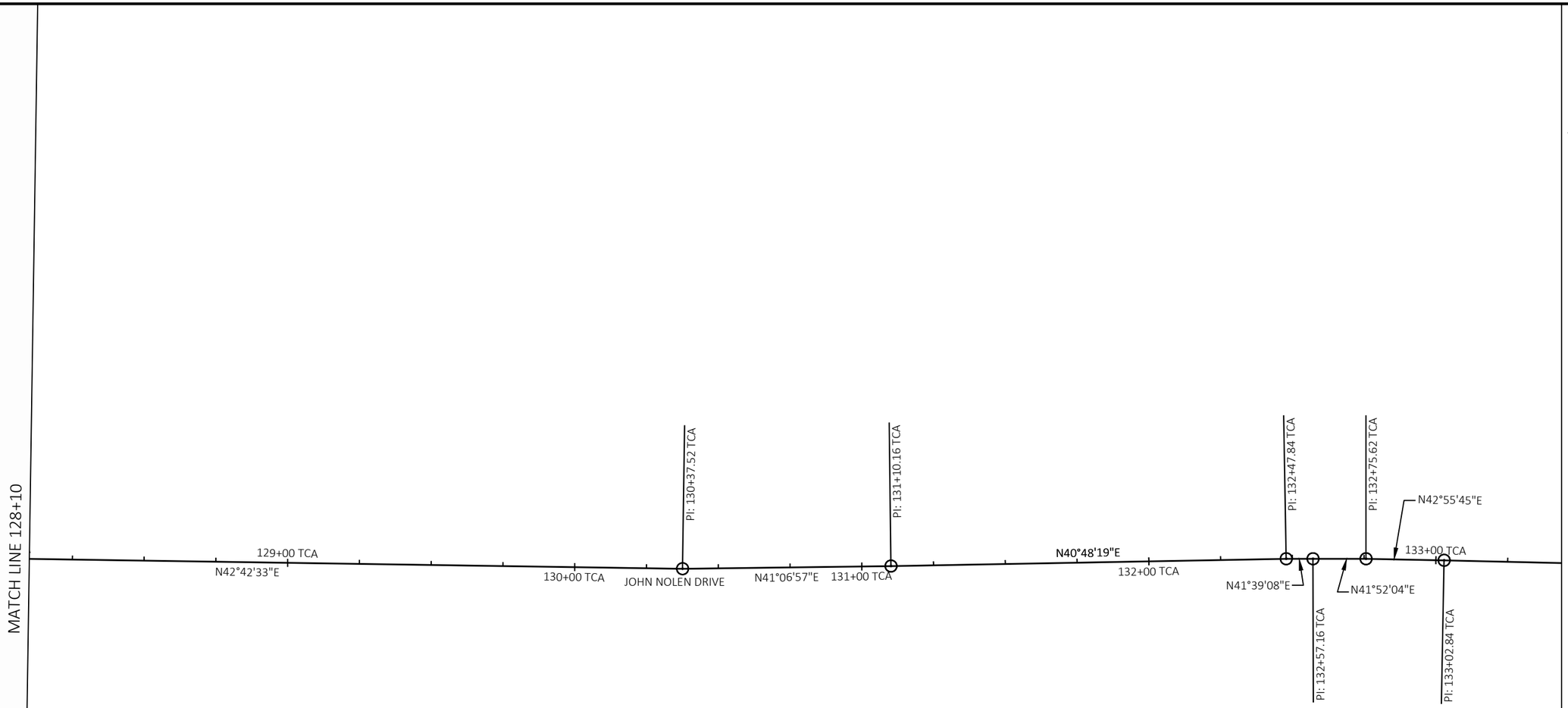
MATCH LINE 128+10

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 658 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 18

PLOT DATE : 5/23/2025 10:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



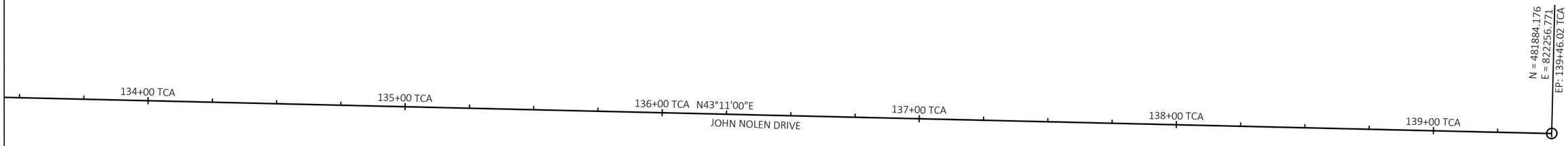
R/L-'TCA'	R/L-'TCA'	R/L-'TCA'	R/L-'TCA'	R/L-'TCA'	R/L-'TCA'
PI STA = 130+37.52 TCA	PI STA = 131+10.16 TCA	PI STA = 132+47.84 TCA	PI STA = 132+57.16 TCA	PI STA = 132+75.62 TCA	PI STA = 133+02.84 TCA
Y=481215.6091	Y=481270.3358	Y=481374.5540	Y=481381.5113	Y=481395.2640	Y=481415.1940
X=821641.8273	X=821689.5950	X=821779.5700	X=821785.7583	X=821798.0840	X=821816.6230

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 659	E

2

2

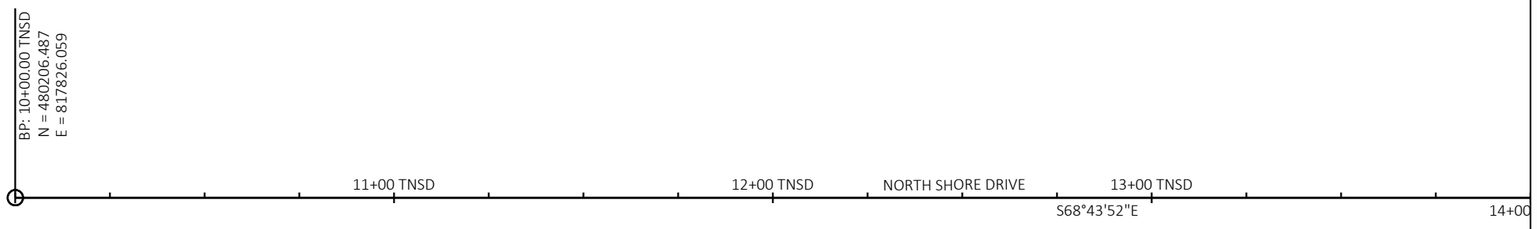
MATCH LINE 133+44



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 660	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 19 (2)
PLOT DATE : 5/23/2025 10:50 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

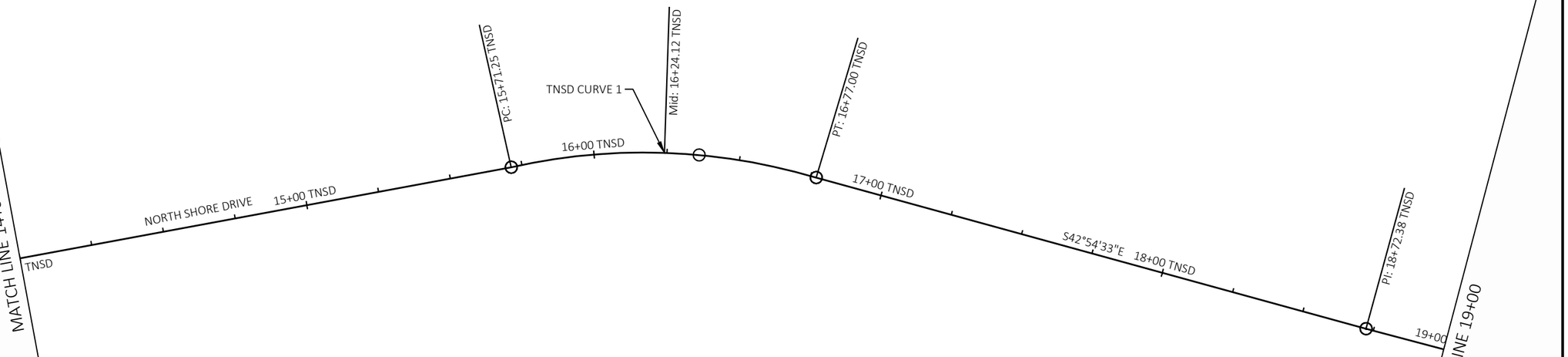
2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 661	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 20
PLOT DATE : 5/23/2025 10:50 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



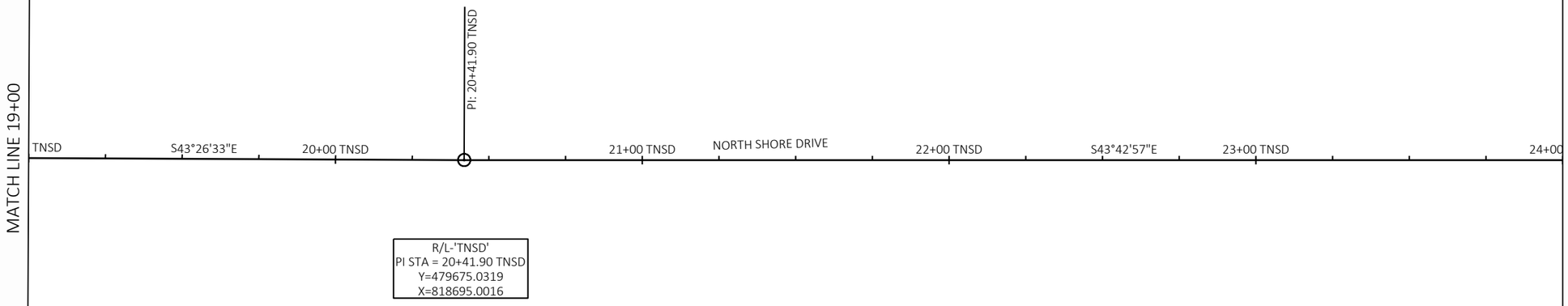
TNSD CURVE 1

PI STA = 16+25.31
Y = 479981.613
X = 818409.492
DELTA = 29°17'27" RT
D = 27°41'57"
T = 54.06'
L = 105.75'
R = 206.85'
PC STA = 15+71.25
Y = 479999.269
X = 818358.400
PT STA = 16+77.00
Y = 479941.218
X = 818445.412
DB = S70°56'09"E
DA = S41°38'41"E

R/L-'TNSD'
PI STA = 18+72.38 TNSD
Y=479798.1147
X=818578.4352

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 662	E

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 663	E

2

2

MATCH LINE 24+00

TNSD

PI: 24+72.14 TNSD

25+00 TNSD

S43°20'42"E

PI: 26+16.11 TNSD

26+00 TNSD

NORTH SHORE DRIVE

27+00 TNSD

S43°44'23"E

PC: 28+15.01 TNSD

28+00 TNSD

29+00 TNSD

MATCH LINE 29+25

R/L-'TNSD'
PI STA = 24+72.14 TNSD
Y=479364.0654
X=818992.3330

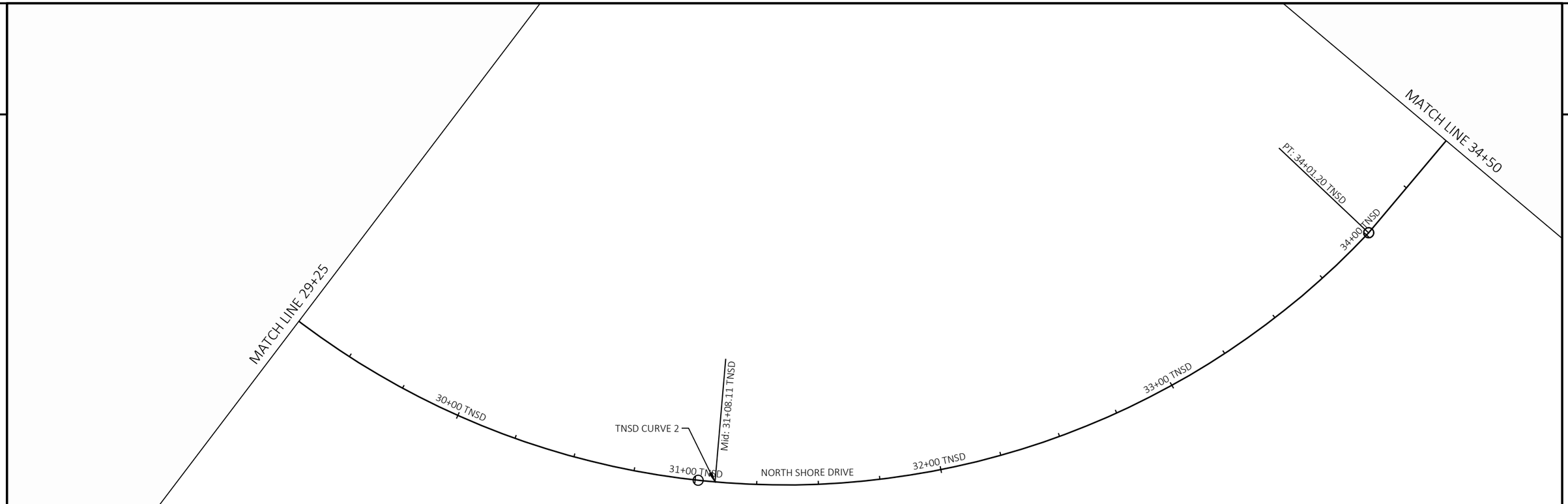
R/L-'TNSD'
PI STA = 26+16.11 TNSD
Y=479259.3648
X=819091.1532

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 664	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 23

PLOT DATE : 5/23/2025 10:50 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

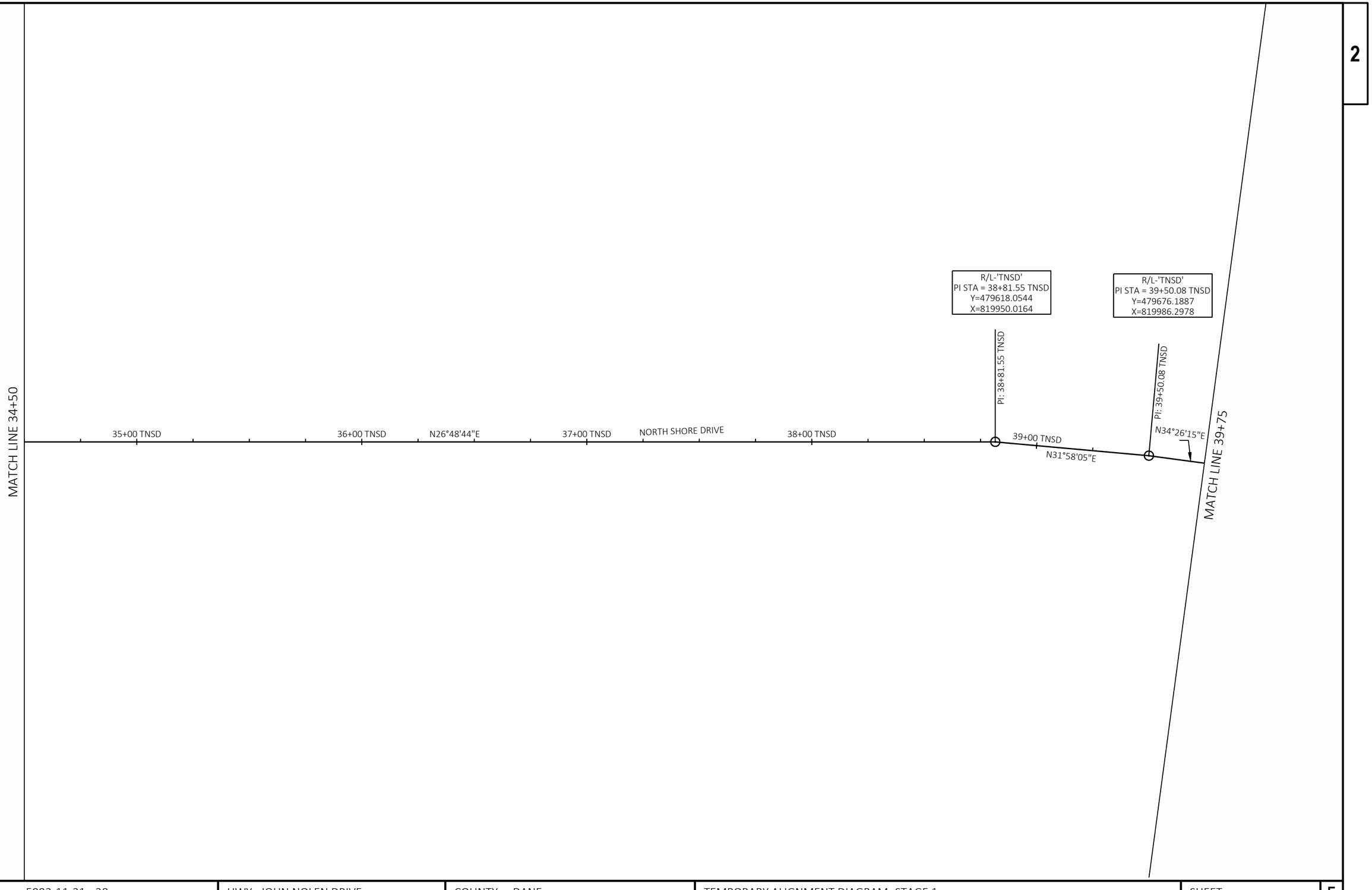


TNSD CURVE 2

PI STA = 32+25.82
Y = 478833.812
X = 819527.539
DELTA = 103°15'23" LT
D = 17°36'53"
T = 410.81'
L = 586.20'
R = 325.27'
PC STA = 28+15.01
Y = 479115.663
X = 819228.668
PT STA = 34+01.20
Y = 479189.349
X = 819733.347
DB = S46°40'43"E
DA = N30°03'54"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 665	E

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 666	E

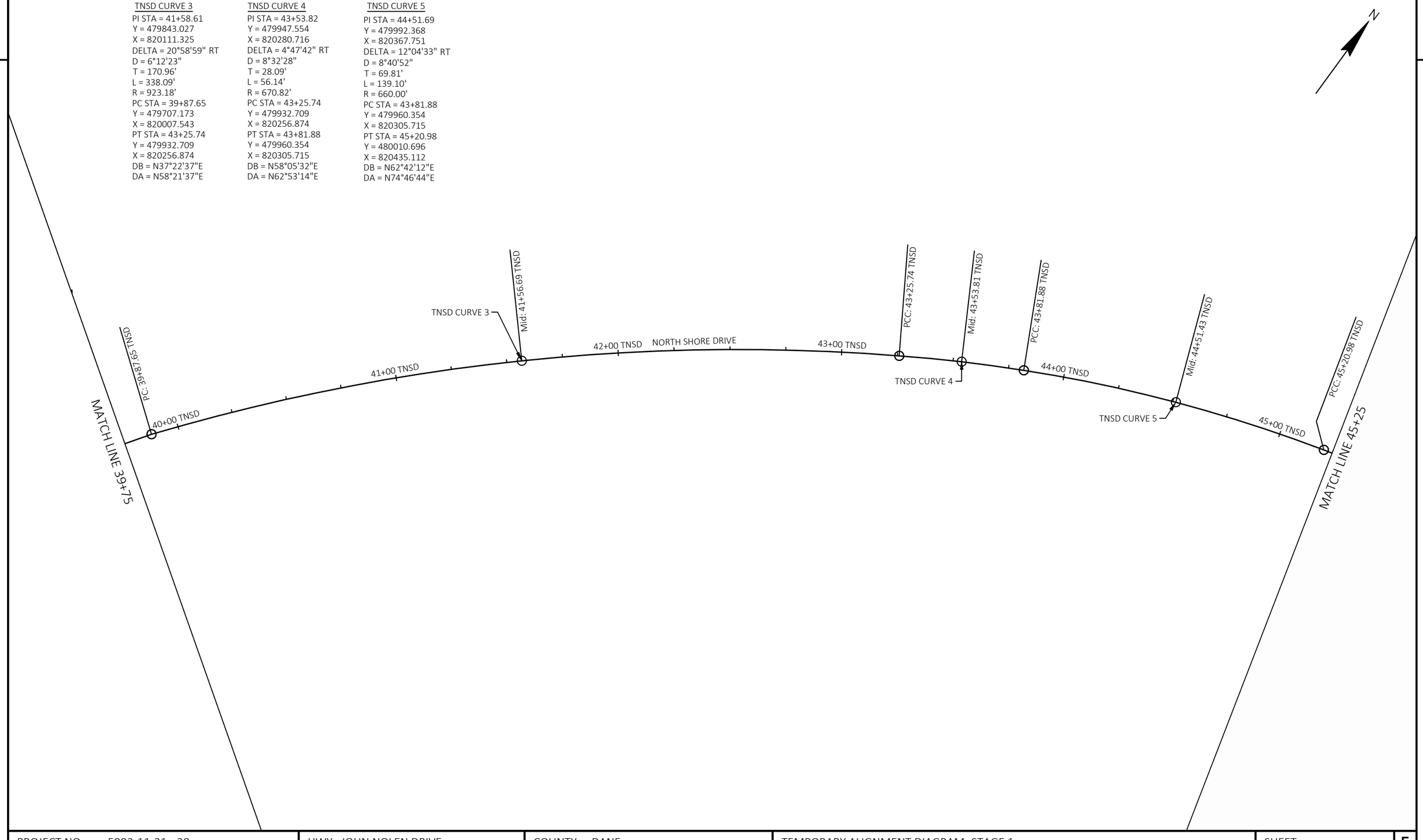
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 25
PLOT DATE : 5/23/2025 10:50 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TNSD CURVE 3
PI STA = 41+58.61
Y = 479843.027
X = 820111.325
DELTA = 20°58'59" RT
D = 6°12'23"
T = 170.96'
L = 338.09'
R = 923.18'
PC STA = 39+87.65
Y = 479707.173
X = 820007.543
PT STA = 43+25.74
Y = 479932.709
X = 820256.874
DB = N37°22'37"E
DA = N58°21'37"E

TNSD CURVE 4
PI STA = 43+53.82
Y = 479947.554
X = 820280.716
DELTA = 4°47'42" RT
D = 8°32'28"
T = 28.09'
L = 56.14'
R = 670.82'
PC STA = 43+25.74
Y = 479932.709
X = 820256.874
PT STA = 43+81.88
Y = 479960.354
X = 820305.715
DB = N58°05'32"E
DA = N62°53'14"E

TNSD CURVE 5
PI STA = 44+51.69
Y = 479992.368
X = 820367.751
DELTA = 12°04'33" RT
D = 8°40'52"
T = 69.81'
L = 139.10'
R = 660.00'
PC STA = 43+81.88
Y = 479960.354
X = 820305.715
PT STA = 45+20.98
Y = 480010.696
X = 820435.112
DB = N62°42'12"E
DA = N74°46'44"E



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 667	E

2

N

TNSD CURVE 6

PI STA = 45+94.02
Y = 480029.890
X = 820505.585
DELTA = 7°01'36" RT
D = 4°48'59"
T = 73.04'
L = 145.90'
R = 1189.63'
PC STA = 45+20.98
Y = 480010.696
X = 820435.112
PT STA = 46+66.87
Y = 480040.319
X = 820577.877
DB = N74°45'52"E
DA = N81°47'29"E

TNSD CURVE 7

PI STA = 47+14.27
Y = 480046.578
X = 820624.854
DELTA = 13°30'50" RT
D = 14°19'26"
T = 47.39'
L = 94.34'
R = 400.00'
PC STA = 46+66.87
Y = 480040.319
X = 820577.877
PT STA = 47+61.22
Y = 480041.686
X = 820671.993
DB = N82°24'39"E
DA = S84°04'31"E

TNSD CURVE 8

PI STA = 47+96.81
Y = 480038.013
X = 820707.390
DELTA = 24°20'32" RT
D = 34°43'29"
T = 35.59'
L = 70.10'
R = 165.00'
PC STA = 47+61.22
Y = 480041.686
X = 820671.993
PT STA = 48+31.32
Y = 480020.076
X = 820738.126
DB = S84°04'31"E
DA = S59°43'59"E

MATCH LINE 45+25

Mid: 45+93.93 TNSD

PCC: 46+66.87 TNSD

Mid: 47+14.05 TNSD

PCC: 47+61.22 TNSD

Mid: 47+96.27 TNSD

N = 480020.076
E = 820738.126
EP: 48+31.32 TNSD

46+00 TNSD

TNSD CURVE 6

47+00 TNSD

TNSD CURVE 7

NORTH SHORE DRIVE

48+00 TNSD

TNSD CURVE 8

116+00 TCA

N28°51'24"E

117+00 TCA

JOHN NOLEN DRIVE

115+00 TCA

R/L-'TCA'
PI STA = 114+38.16 TCA
Y=479914.7808
X=820724.3869

PI: 114+38.16 TCA

N17°01'25"E

114+00 TCA

R/L-'TCA'
PI STA = 113+95.42 TCA
Y=479873.9100
X=820711.8730

PI: 113+95.42 TCA

PT: 113+73.29 TCA

N22°36'01"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 668	E

2

2

N

MATCH LINE 699+15

S43°56'29"E

700+00 TBS

S43°56'29"E

PC: 700+53.16 TBS

Mid: 700+64.55 TBS

PT: 700+75.94 TBS

701+00 TBS

S52°38'42"E

702+00 TBS

N = 480505.940
E = 821024.270
EP: 702+15.13 TBS

BROOM STREET

PI: 700+00.00 TBS

TBS CURVE 1

122+00 TCA

121+00 TCA

JOHN NOLEN DRIVE

120+00 TCA

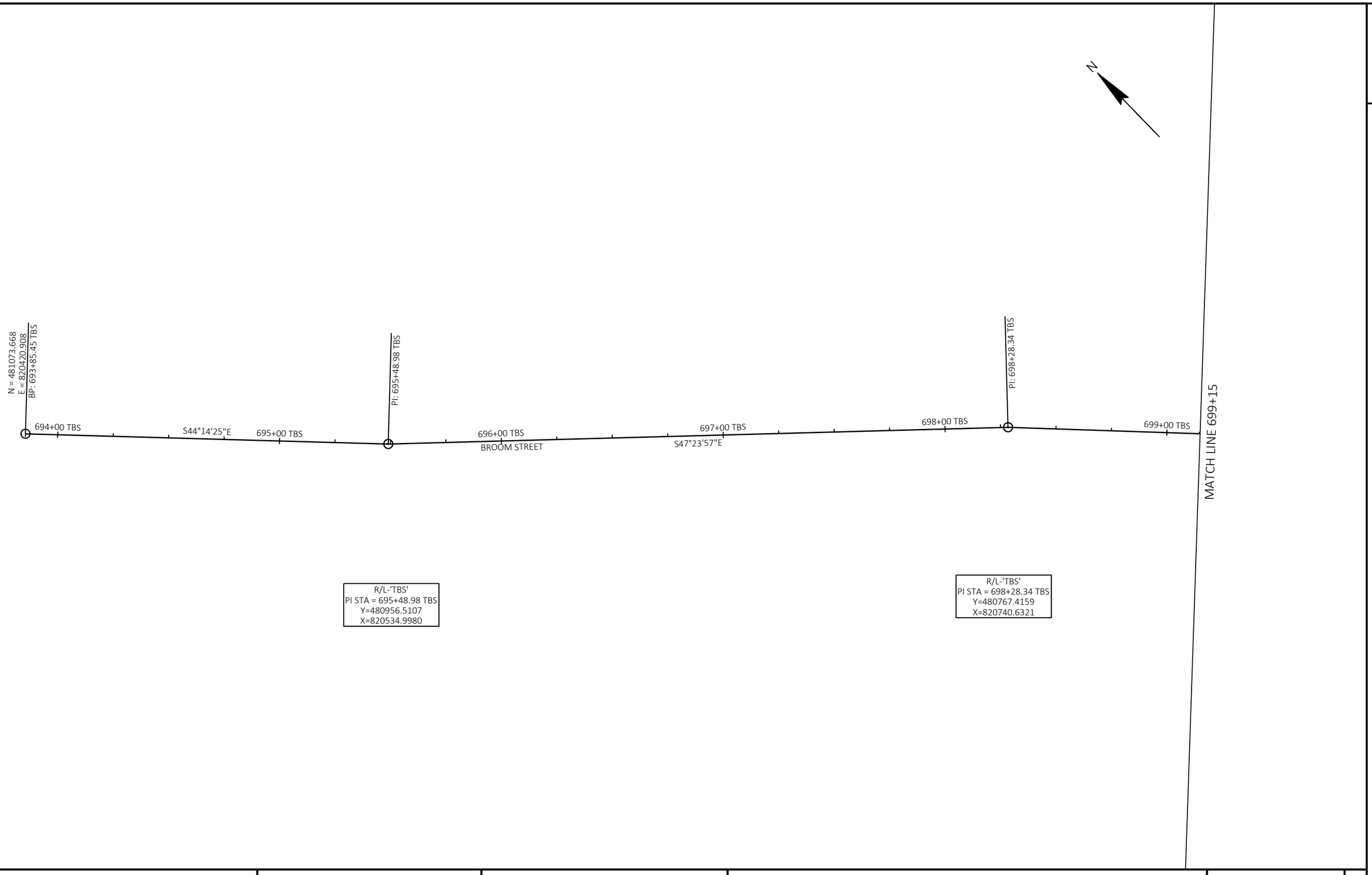
119+00 TCA

TBS CURVE 1
PI STA = 700+64.57
Y = 480597.316
X = 820904.559
DELTA = 8°42'13" LT
D = 38°11'50"
T = 11.42'
L = 22.79'
R = 150.00'
PC STA = 700+53.16
Y = 480605.536
X = 820896.638
PT STA = 700+75.94
Y = 480590.390
X = 820913.633
DB = S43°56'29"E
DA = S52°38'42"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 669	E

2

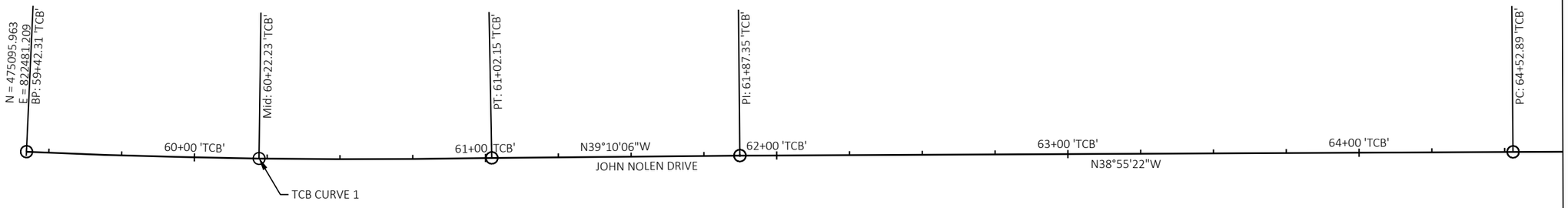
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 1	SHEET 670	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027202-AD.DWG
LAYOUT NAME - 29
PLOT DATE : 5/23/2025 10:51 AM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



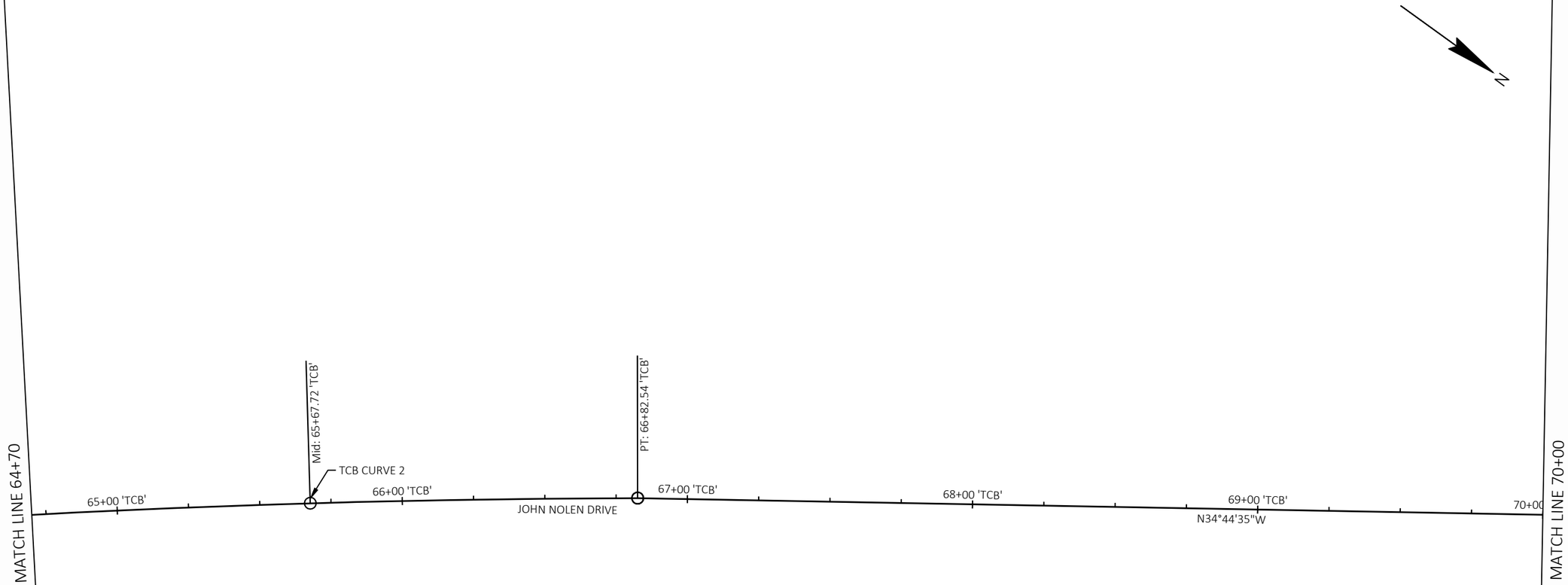
MATCH LINE 64+70

TCB CURVE 1
PI STA = 60+22.25
Y = 475160.595
X = 822434.150
DELTA = 3°38'28" LT
D = 2°16'41"
T = 79.95'
L = 159.84'
R = 2515.22'
PC STA = 59+42.31
Y = 475095.963
X = 822481.209
PT STA = 61+02.15
Y = 475222.107
X = 822383.082
DB = N36°03'31"W
DA = N39°41'59"W

R/L-'TCB'
PI STA =61+87.35 'TCB'
Y=475288.1605
X=822329.2708

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 671	E

2

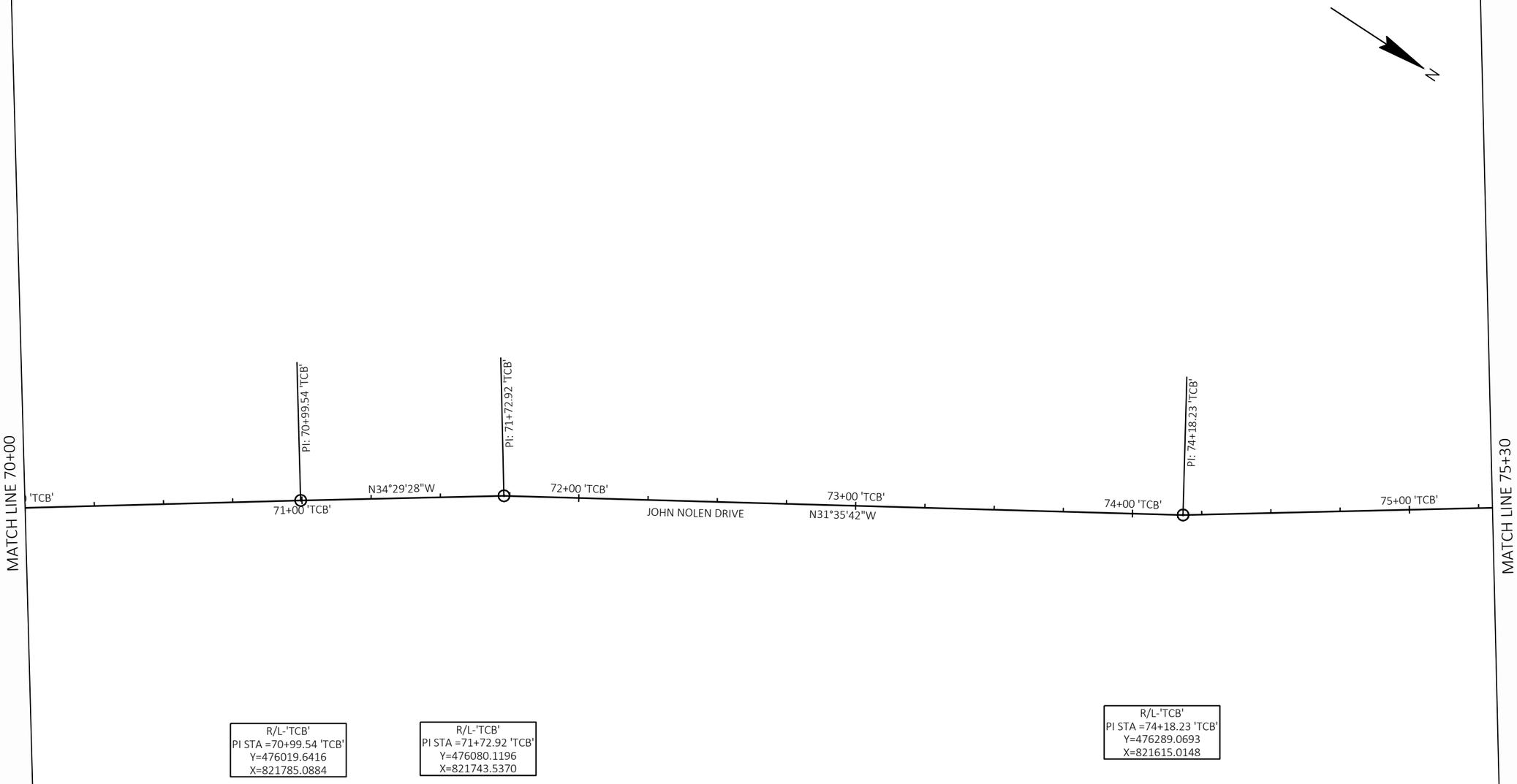


TCB CURVE 2

PI STA = 65+67.75
Y = 475583.904
X = 822090.022
DELTA = 3°13'23" RT
D = 1°24'12"
T = 114.86'
L = 229.66'
R = 4082.51'
PC STA = 64+52.89
Y = 475494.751
X = 822162.438
PT STA = 66+82.54
Y = 475676.988
X = 822022.733
DB = N39°05'08"W
DA = N35°51'45"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 672	E

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 673	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 3
PLOT DATE : 5/23/2025 10:53 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

R/L-'TCB'
PI STA =77+04.03 'TCB'
Y=476524.4294
X=821452.8857

N

MATCH LINE 75+30

N34°33'40"W

76+00 'TCB'

77+00 'TCB'

78+00 'TCB'

N34°31'35"W

79+00 'TCB'

80+00 'TCB'

JOHN NOLEN DRIVE

PI: 77+04.03 'TCB'

MATCH LINE 80+60

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 674	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 4

PLOT DATE : 5/23/2025 10:53 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 80+60

81+00 'TCB'

82+00 'TCB'

83+00 'TCB'

N34°31'35"W

84+00 'TCB'

85+00 'TCB'

JOHN NOLEN DRIVE

MATCH LINE 85+90

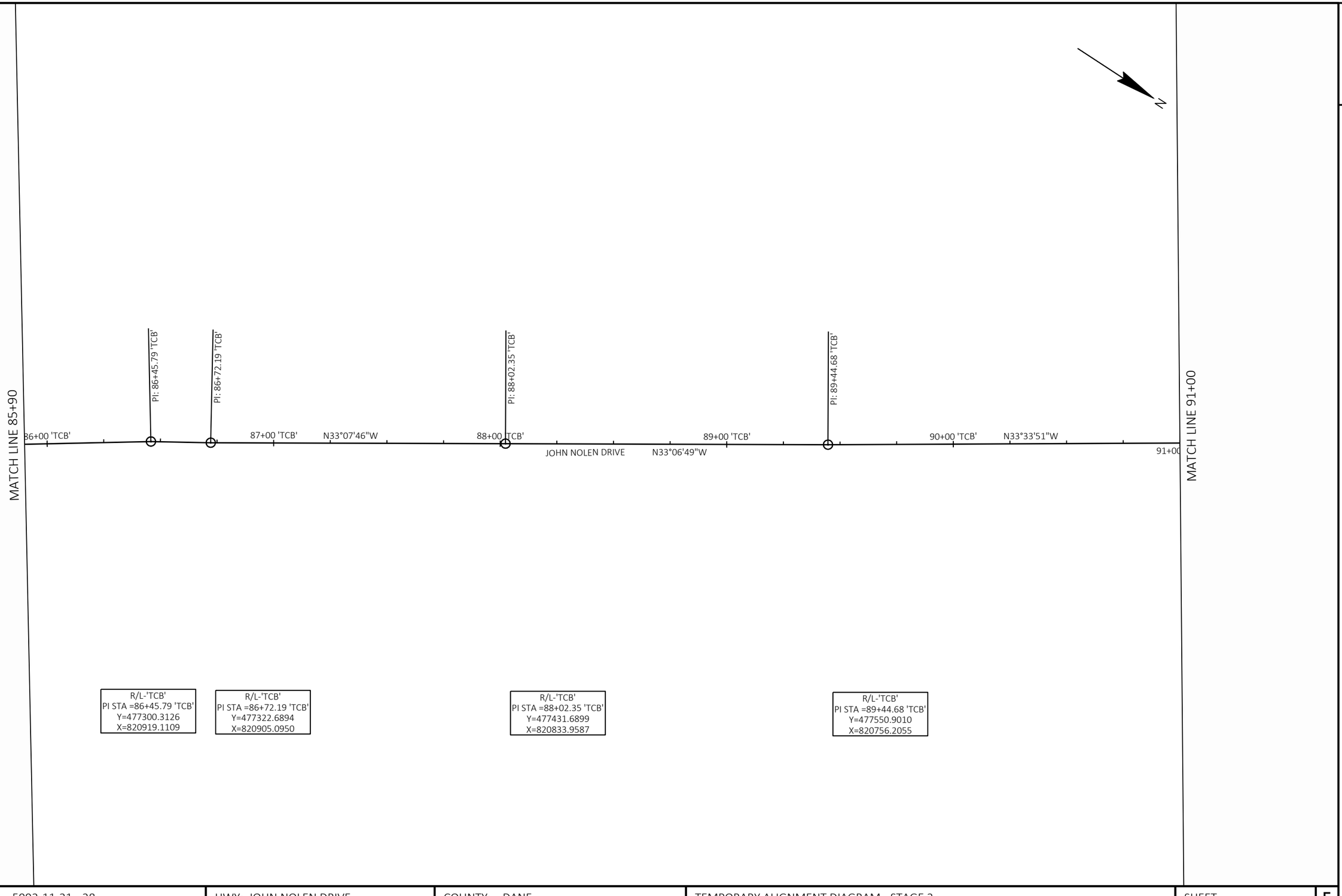
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 675	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 5

PLOT DATE : 5/23/2025 10:53 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 676	E

2

2

N

MATCH LINE 91+00

PI: 91+09.23 'TCB'

PI: 91+35.66 'TCB'

PC: 92+43.96 'TCB'

92+00 'TCB'

93+00 'TCB'

94+00 'TCB'

95+00 'TCB'

96+00 'TCB'

JOHN NOLEN DRIVE

N32°14'14"W

N35°12'33"W

MATCH LINE 96+50

R/L-'TCB'
PI STA =91+09.23 'TCB'
Y=477688.0218
X=820665.2259

R/L-'TCB'
PI STA =91+35.66 'TCB'
Y=477709.6116
X=820649.9907

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 677	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 7

PLOT DATE : 5/23/2025 10:53 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

2

MATCH LINE 96+50

Mid: 96+75.66 'TCB'

97+00 'TCB'

98+00 'TCB'

99+00 'TCB'

JOHN NOLEN DRIVE

100+00 'TCB'

101+00 'TCB'

PT: 101+07.36 'TCB'

MATCH LINE 101+75

TCB CURVE 3

TCB CURVE 3

PI STA = 96+97.15
Y = 478184.546
X = 820350.478
DELTA = 43°01'01" RT
D = 4°58'56"
T = 453.19'
L = 863.40'
R = 1150.00'
PC STA = 92+43.96
Y = 477801.214
X = 820592.222
PT STA = 101+07.36
Y = 478629.741
X = 820435.240
DB = N32°14'14"W
DA = N10°46'47"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 678	E

2

N

MATCH LINE 101+75

102+00 'TCB'

103+00 'TCB'

104+00 'TCB'

N10°46'47"E

JOHN NOLEN DRIVE

105+00 'TCB'

106+00 'TCB'

107+00 'TCB'

PC: 106+98.40 'TCB'

MATCH LINE 107+25

2

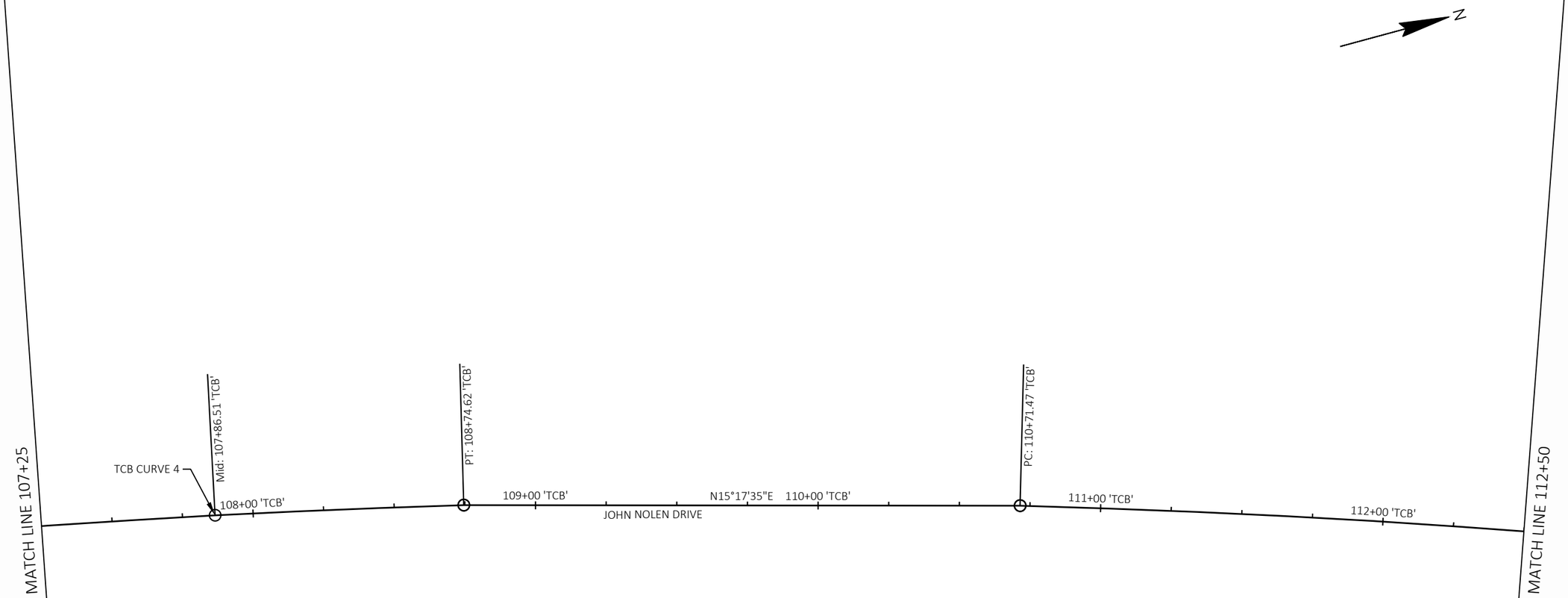
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 679	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 9

PLOT DATE : 5/23/2025 10:54 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TCB CURVE 4
PI STA = 107+86.53
Y = 479296.923
X = 820562.267
DELTA = 2°48'16" RT
D = 1°35'29"
T = 88.13'
L = 176.23'
R = 3600.41'
PC STA = 106+98.40
Y = 479210.347
X = 820545.784
PT STA = 108+74.62
Y = 479382.589
X = 820582.967
DB = N10°46'47"E
DA = N13°35'03"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 680	E

2

N

MATCH LINE 112+50

Mid: 112+74.80 'TCB'

113+00 'TCB'

114+00 'TCB'

PT: 114+78.12 'TCB'

115+00 'TCB'

N24°51'18"E

116+00 'TCB'

PC: 116+21.57 'TCB'

Mid: 116+72.20 'TCB'

117+00 'TCB'

PT: 117+22.83 'TCB'

N27°35'20"E

PI: 117+66.75 'TCB'

MATCH LINE 117+75

JOHN NOLEN DRIVE

TCB CURVE 5

TCB CURVE 6

TCB CURVE 5

PI STA = 112+75.01
Y = 479767.429
X = 820693.368
DELTA = 6°31'05" RT
D = 1°36'10"
T = 203.54'
L = 406.64'
R = 3574.56'
PC STA = 110+71.47
Y = 479572.470
X = 820634.888
PT STA = 114+78.12
Y = 479954.489
X = 820773.601
DB = N16°41'50"E
DA = N23°12'55"E

TCB CURVE 6

PI STA = 116+72.20
Y = 480130.151
X = 820856.114
DELTA = 1°10'15" RT
D = 1°09'23"
T = 50.63'
L = 101.26'
R = 4954.75'
PC STA = 116+21.57
Y = 480084.656
X = 820833.898
PT STA = 117+22.83
Y = 480175.183
X = 820879.255
DB = N26°01'35"E
DA = N27°11'50"E

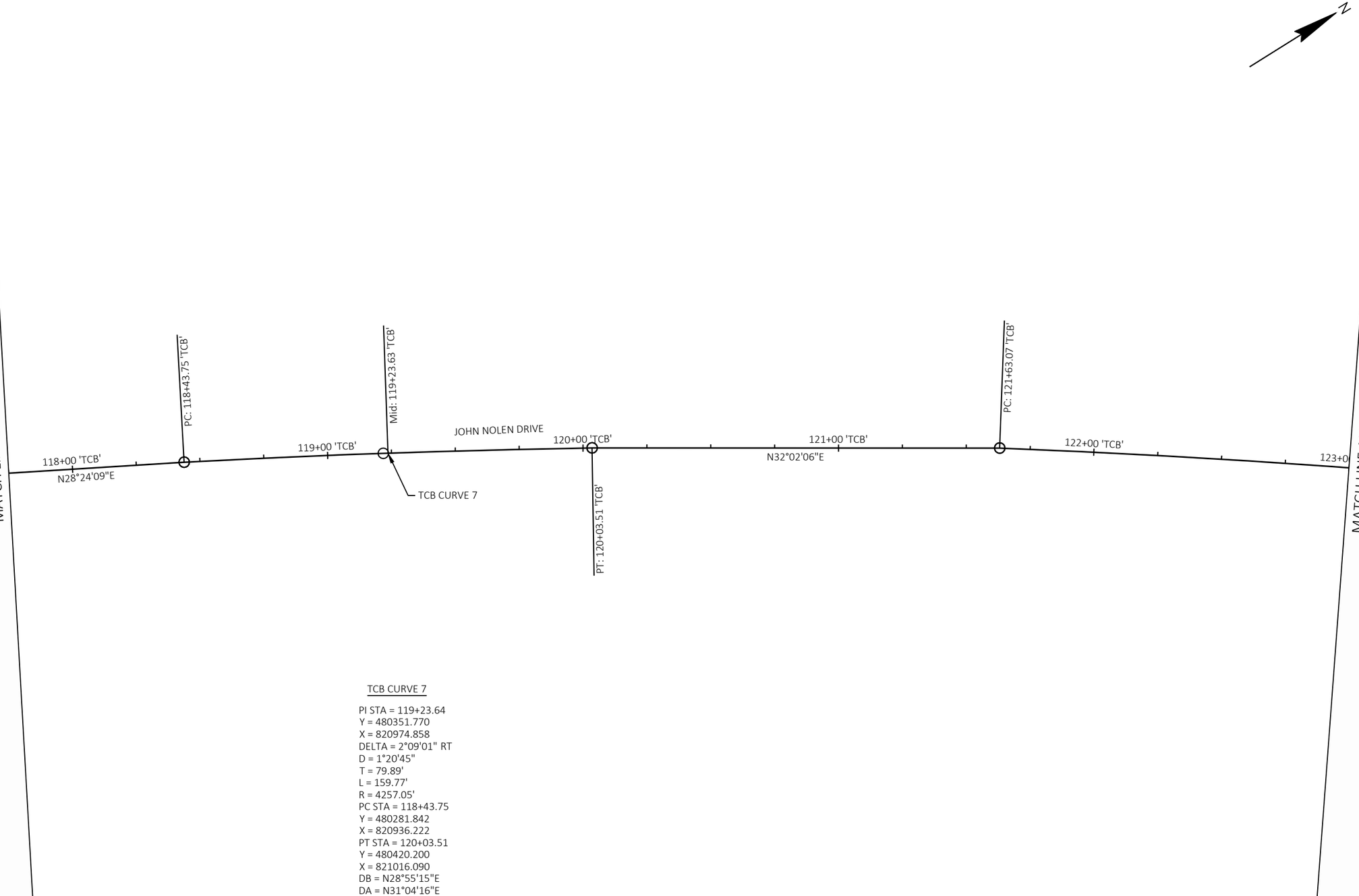
R/L-'TCB'
PI STA =117+66.75 'TCB'
Y=480214.1135
X=820899.5973

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 681	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 11
PLOT DATE : 5/23/2025 10:54 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

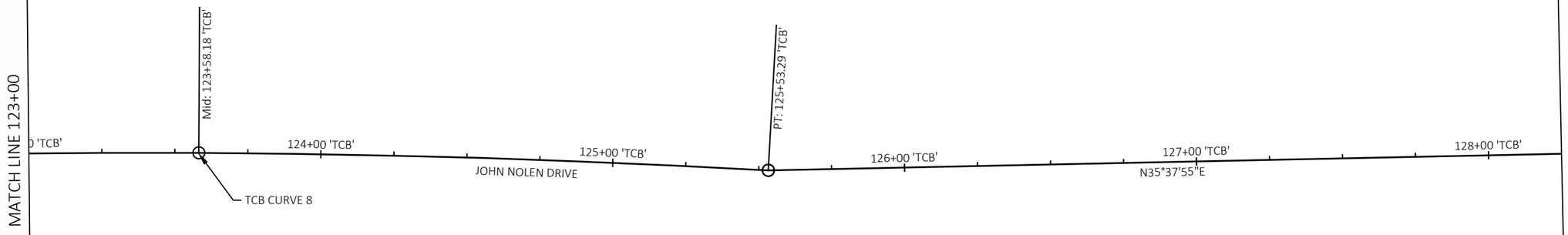


TCB CURVE 7

PI STA = 119+23.64
Y = 480351.770
X = 820974.858
DELTA = 2°09'01" RT
D = 1°20'45"
T = 79.89'
L = 159.77'
R = 4257.05'
PC STA = 118+43.75
Y = 480281.842
X = 820936.222
PT STA = 120+03.51
Y = 480420.200
X = 821016.090
DB = N28°55'15"E
DA = N31°04'16"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 682	E

2

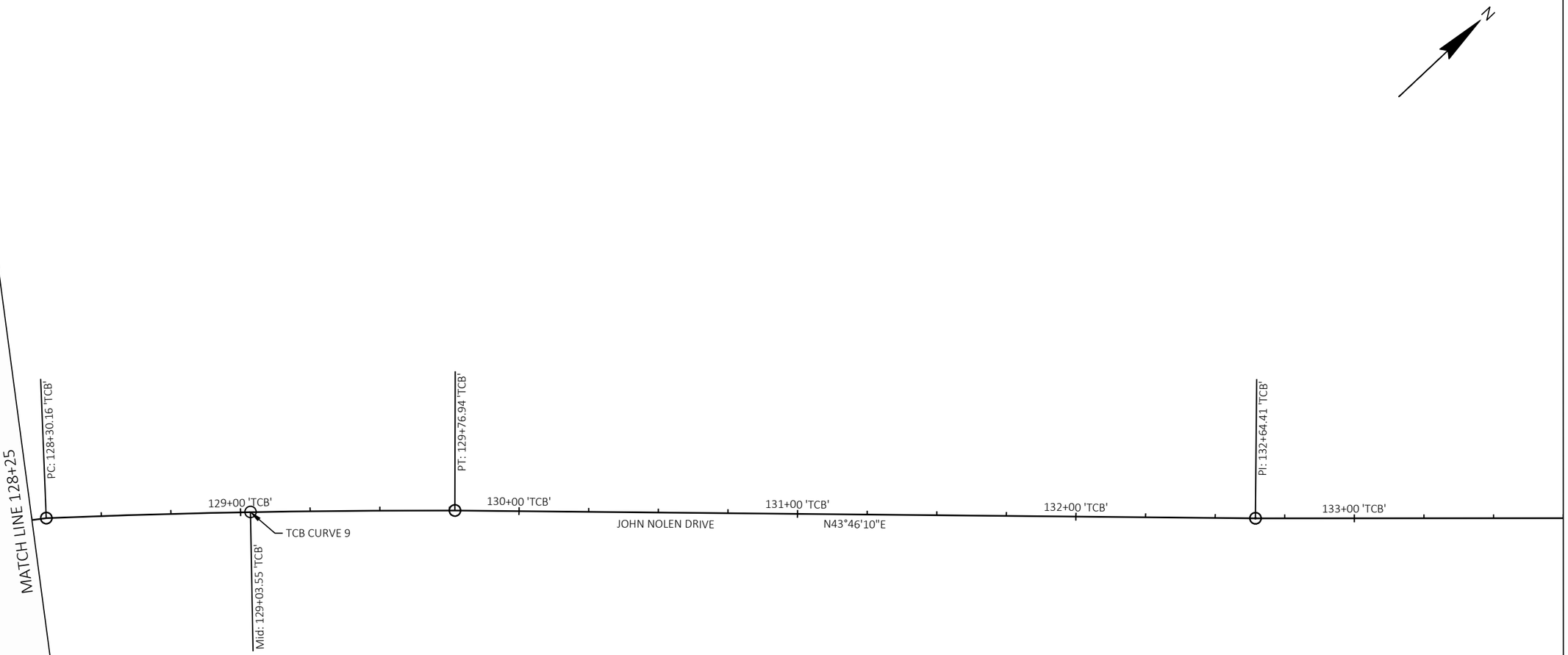


TCB CURVE 8

PI STA = 123+58.35
Y = 480717.032
X = 821210.401
DELTA = 5°55'09" RT
D = 1°31'01"
T = 195.28'
L = 390.22'
R = 3777.26'
PC STA = 121+63.07
Y = 480555.457
X = 821100.723
PT STA = 125+53.29
Y = 480866.435
X = 821336.157
DB = N34°10'08"E
DA = N40°05'17"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 683	E

2



TCB CURVE 9
PI STA = 129+03.56
Y = 481146.931
X = 821545.537
DELTA = 2°27'30" RT
D = 1°40'29"
T = 73.40'
L = 146.78'
R = 3421.24'
PC STA = 128+30.16
Y = 481091.468
X = 821497.455
PT STA = 129+76.94
Y = 481200.280
X = 821595.954
DB = N40°55'23"E
DA = N43°22'53"E

R/L-'TCB'
PI STA =132+64.41 'TCB'
Y=481407.8700
X=821794.8120

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 684	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 14
PLOT DATE : 5/23/2025 10:54 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE 133+75

134+00 'TCB'

135+00 'TCB'

136+00 'TCB'

JOHN NOLEN DRIVE

N43°10'27"E

137+00 'TCB'

138+00 'TCB'

139+00 'TCB'

N = 481918.615
E = 822273.999
EP: 139+64.75 'TCB'

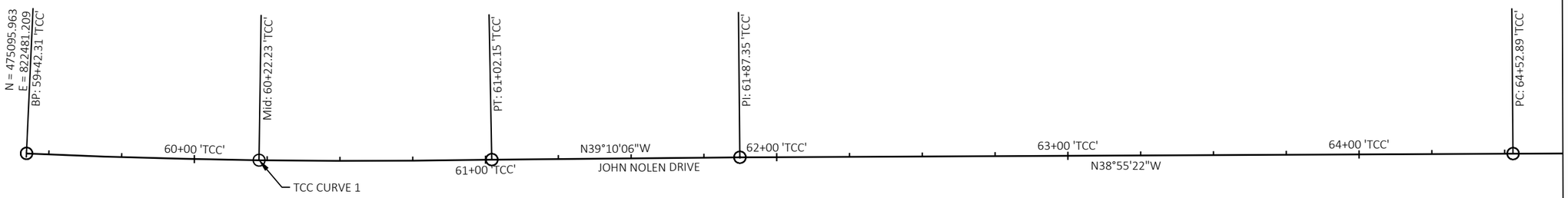
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM - STAGE 2	SHEET 685	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027203-AD.DWG
LAYOUT NAME - 15

PLOT DATE : 5/23/2025 10:54 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



MATCH LINE 64+70

TCC CURVE 1

PI STA = 60+22.26
Y = 475160.595
X = 822434.150
DELTA = 3°38'28" LT
D = 2°16'41"
T = 79.95'
L = 159.84'
R = 2515.22'
PC STA = 59+42.31
Y = 475095.963
X = 822481.209
PT STA = 61+02.15
Y = 475222.107
X = 822383.082
DB = N36°03'31"W
DA = N39°41'59"W

R/L- 'TCC'
PI STA = 61+87.35 'TCC'
Y = 475288.1605
X = 822329.2708

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 686	E

2

2

N

MATCH LINE 64+70

65+00 'TCC'

Mid: 65+67.72 'TCC'

66+00 'TCC'

PT: 66+82.55 'TCC'

67+00 'TCC'

JOHN NOLEN DRIVE

68+00 'TCC'

69+00 'TCC'

N34°44'35"W

70+00

MATCH LINE 70+00

TCC CURVE 2

TCC CURVE 2

PI STA = 65+67.75
Y = 475583.904
X = 822090.022
DELTA = 3°13'23" RT
D = 1°24'12"
T = 114.86'
L = 229.66'
R = 4082.51'
PC STA = 64+52.89
Y = 475494.751
X = 822162.438
PT STA = 66+82.55
Y = 475676.988
X = 822022.733
DB = N39°05'08"W
DA = N35°51'45"W

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 687	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 4

PLOT DATE : 5/23/2025 10:57 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 70+00

'TCC'

71+00 'TCC'

PI: 70+99.55 'TCC'

N34°17'37"W

PI: 71+74.36 'TCC'

72+00 'TCC'

73+00 'TCC'

JOHN NOLEN DRIVE

N34°31'55"W

74+00 'TCC'

PI: 74+64.77 'TCC'

75+00 'TCC'

MATCH LINE 75+30

R/L- 'TCC'
PI STA = 70+99.55 'TCC'
Y = 476019.6416
X = 821785.0884

R/L- 'TCC'
PI STA = 71+74.36 'TCC'
Y = 476081.4540
X = 821742.9330

R/L- 'TCC'
PI STA = 74+64.77 'TCC'
Y = 476320.6944
X = 821578.3108

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 688	E

2

2

N

MATCH LINE 75+30

76+00 'TCC'

N39°35'57"W

77+00 'TCC'

JOHN NOLEN DRIVE

78+00 'TCC'

PI: 78+10.52 'TCC'

79+00 'TCC'

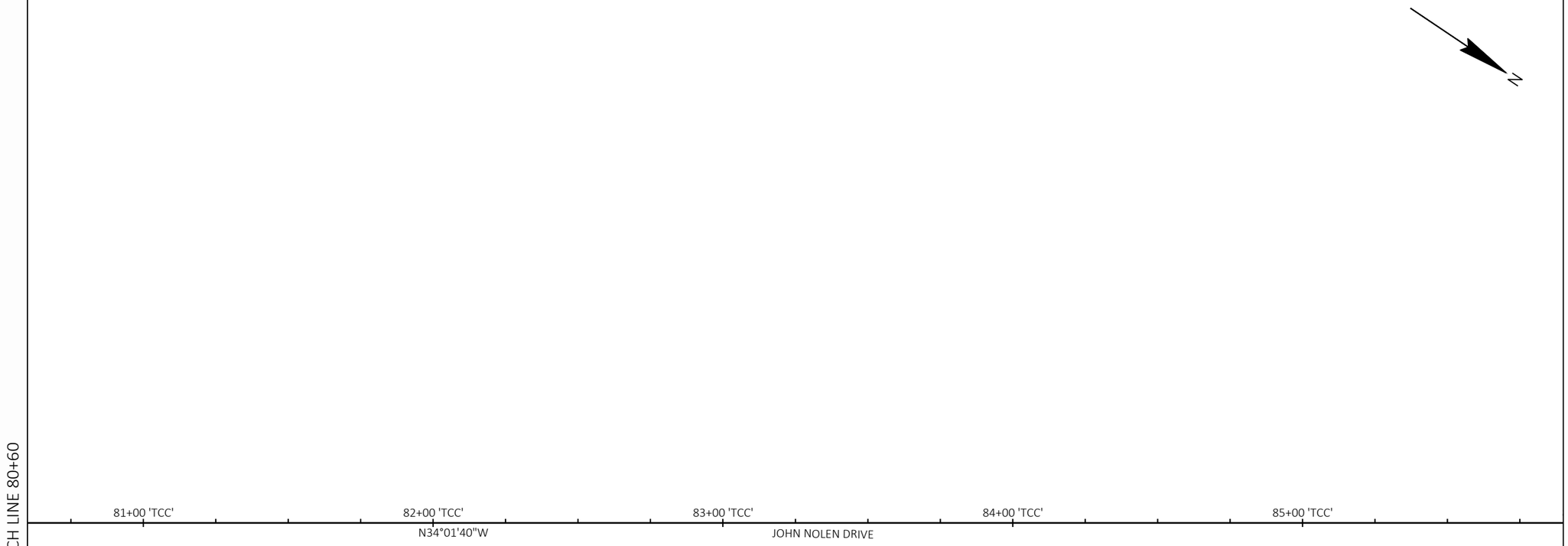
80+00 'TCC'

MATCH LINE 80+60

R/L- 'TCC'
PI STA = 78+10.52 'TCC'
Y = 476587.1035
X = 821357.9246

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 689	E

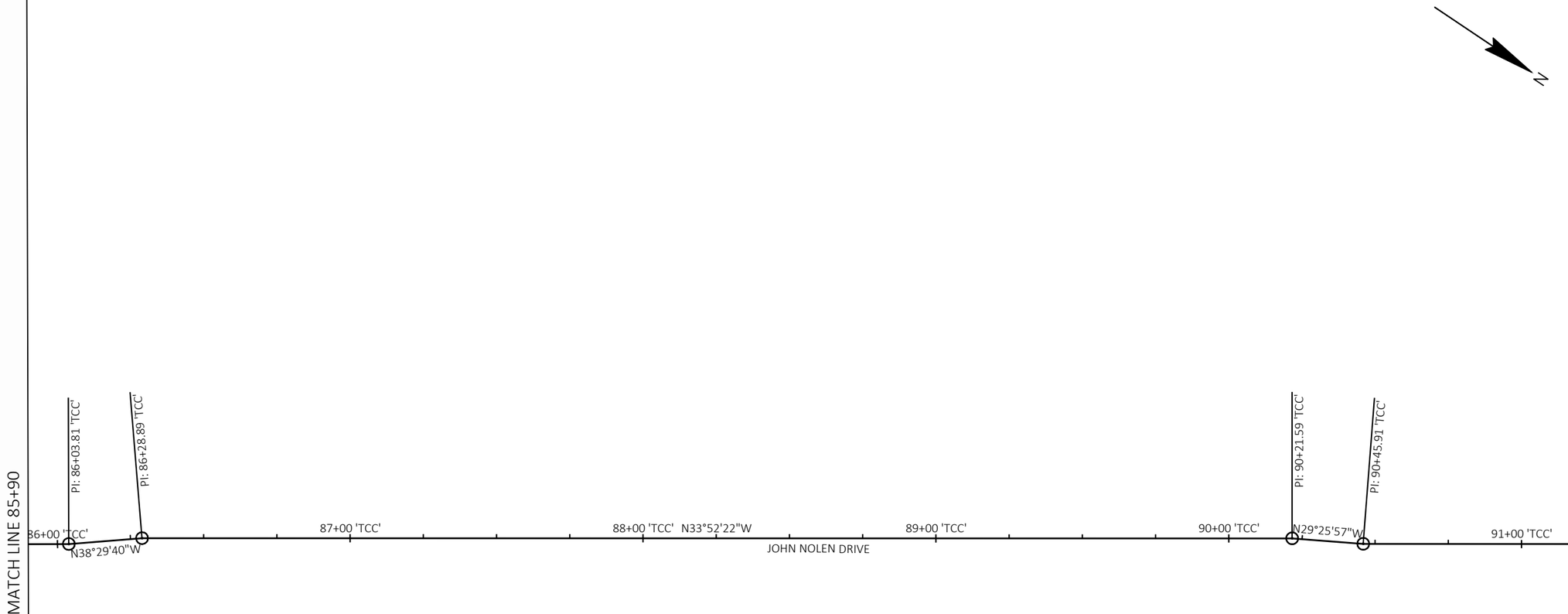
2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 690	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 7
PLOT DATE : 5/23/2025 10:57 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



R/L- 'TCC'
PI STA = 86+03.81 'TCC'
Y = 477244.5502
X = 820914.0091

R/L- 'TCC'
PI STA = 86+28.89 'TCC'
Y = 477264.1808
X = 820898.3974

R/L- 'TCC'
PI STA = 90+21.59 'TCC'
Y = 477590.2321
X = 820679.5246

R/L- 'TCC'
PI STA = 90+45.91 'TCC'
Y = 477611.4143
X = 820667.5732

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 691	E

2

2

N

MATCH LINE 91+25

N33°51'32"W

92+00 'TCC'

PC: 92+35.21 'TCC'

93+00 'TCC'

94+00 'TCC'

JOHN NOLEN DRIVE

95+00 'TCC'

96+00 'TCC'

MATCH LINE 96+50

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 692 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 9

PLOT DATE : 5/23/2025 10:57 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 96+50

Mid: 96+65.43 'TCC'

97+00 'TCC'

98+00 'TCC'

99+00 'TCC'

JOHN NOLEN DRIVE

100+00 'TCC'

PT: 100+95.64 'TCC'

101+00 'TCC'

MATCH LINE 101+75

TCC CURVE 3

TCC CURVE 3

PI STA = 96+87.10
Y = 478143.948
X = 820310.465
DELTA = 43°15'20" RT
D = 5°01'38"
T = 451.89'
L = 860.44'
R = 1139.72'
PC STA = 92+35.21
Y = 477768.609
X = 820562.106
PT STA = 100+95.64
Y = 478589.747
X = 820384.397
DB = N33°50'22"W
DA = N09°24'59"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 693	E

2

N

MATCH LINE 101+75

JOHN NOLEN DRIVE

102+00 'TCC'

103+00 'TCC'

N9°24'55"E

104+00 'TCC'

PI: 104+81.46 'TCC'

105+00 'TCC'

N6°36'57"E

PI: 105+31.52 'TCC'

106+00 'TCC'

107+0

MATCH LINE 107+00

R/L- 'TCC'
PI STA = 104+81.46 'TCC'
Y = 478970.3631
X = 820447.5118

R/L- 'TCC'
PI STA = 105+31.52 'TCC'
Y = 479020.0775
X = 820453.3839

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 694	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 11

PLOT DATE : 5/23/2025 10:57 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 107+00

'TCC'

N9°55'05"E

108+00 'TCC'

109+00 'TCC'

PI: 109+48.03 'TCC'

N10°56'35"E

PC: 109+90.72 'TCC'

110+00 'TCC'

JOHN NOLEN DRIVE

111+00 'TCC'

Mid: 112+03.72 'TCC'

112+00 'TCC'

TCC CURVE 4

MATCH LINE 112+50

R/L- 'TCC'
PI STA = 109+48.04 'TCC'
Y = 479430.3422
X = 820525.2375

TCC CURVE 4
PI STA = 112+04.89
Y = 479682.233
X = 820575.443
DELTA = 14°38'30" RT
D = 3°26'13"
T = 214.17'
L = 426.00'
R = 1667.01'
PC STA = 109+90.72
Y = 479472.291
X = 820533.123
PT STA = 114+16.72
Y = 479874.660
X = 820669.457
DB = N11°23'49"E
DA = N26°02'19"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 695	E

2

2

N

MATCH LINE 112+50

113+00 'TCC'

114+00 'TCC'

PT: 114+16.72 'TCC'

JOHN NOLEN DRIVE

N27°52'50"E

115+00 'TCC'

PI: 115+14.30 'TCC'

N27°42'18"E

116+00 'TCC'

PI: 116+27.73 'TCC'

117+00 'TCCN27°12'11"E

MATCH LINE 117+75

R/L- 'TCC'
PI STA = 115+14.28 'TCC'
Y = 479960.8998
X = 820715.0698

R/L- 'TCC'
PI STA = 116+27.73 'TCC'
Y = 480061.3412
X = 820767.8257

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 696	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 13

PLOT DATE : 5/23/2025 10:58 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 117+75

118+00 'TCC'

PI: 118+16.65 'TCC'

119+00 'TCC'

N23°27'39"E

PC: 119+45.51 'TCC'

120+00 'TCC'

Mid: 120+21.96 'TCC'

TCC CURVE 5

JOHN NOLEN DRIVE

PT: 120+98.42 'TCC'

121+00 'TCC'

N37°25'27"E

122+00 'TCC'

PC: 122+25.93 'TCC'

Mid: 122+74.93 'TCC'

123+0

TCC CURVE 6

MATCH LINE 123+00

R/L- 'TCC'
PI STA = 118+16.65 'TCC'
Y = 480229.3686
X = 820854.1913

TCC CURVE 5

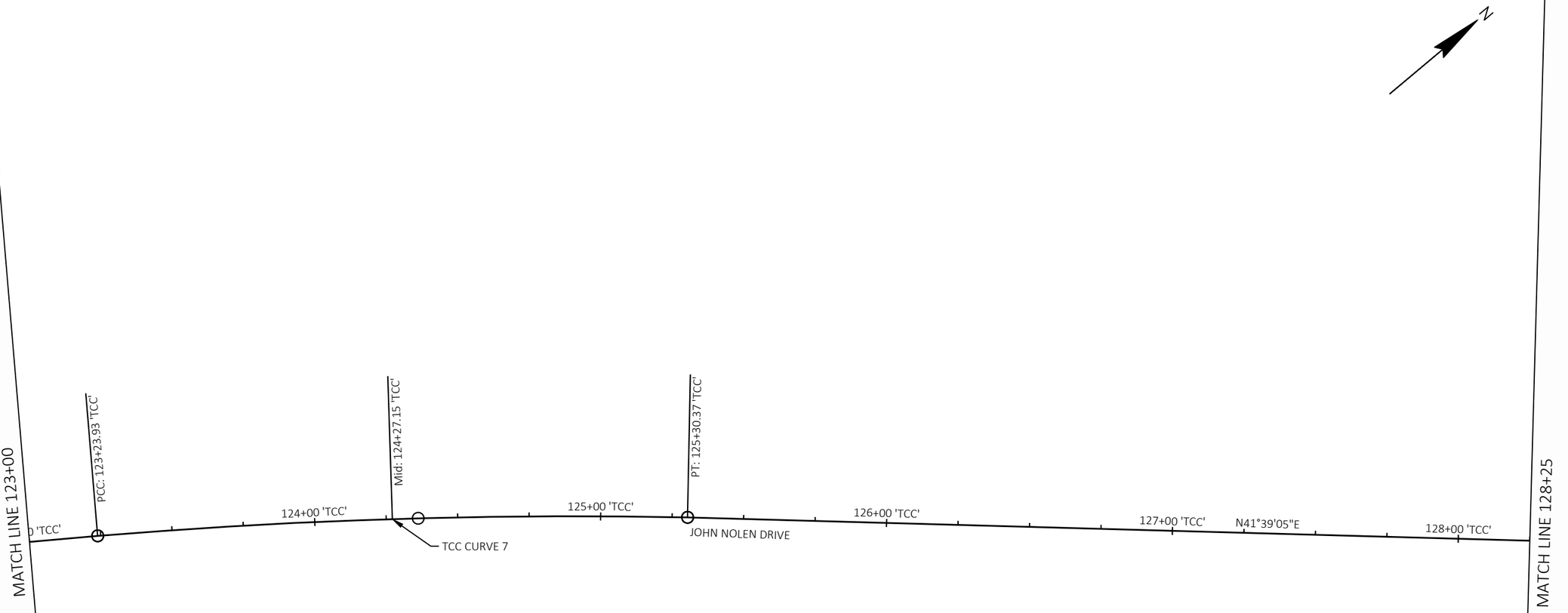
PI STA = 120+21.97
Y = 480414.336
X = 820942.765
DELTA = 2°29'34" RT
D = 1°37'49"
T = 76.47'
L = 152.91'
R = 3514.53'
PC STA = 119+45.51
Y = 480347.570
X = 820905.491
PT STA = 120+98.42
Y = 480479.417
X = 820982.908
DB = N29°10'27"E
DA = N31°40'01"E

TCC CURVE 6

PI STA = 122+74.93
Y = 480621.435
X = 821087.617
DELTA = 1°36'00" RT
D = 1°37'57"
T = 49.00'
L = 98.00'
R = 3509.50'
PC STA = 122+25.93
Y = 480580.685
X = 821060.401
PT STA = 123+23.93
Y = 480661.410
X = 821115.960
DB = N33°44'15"E
DA = N35°20'15"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 697	E

2

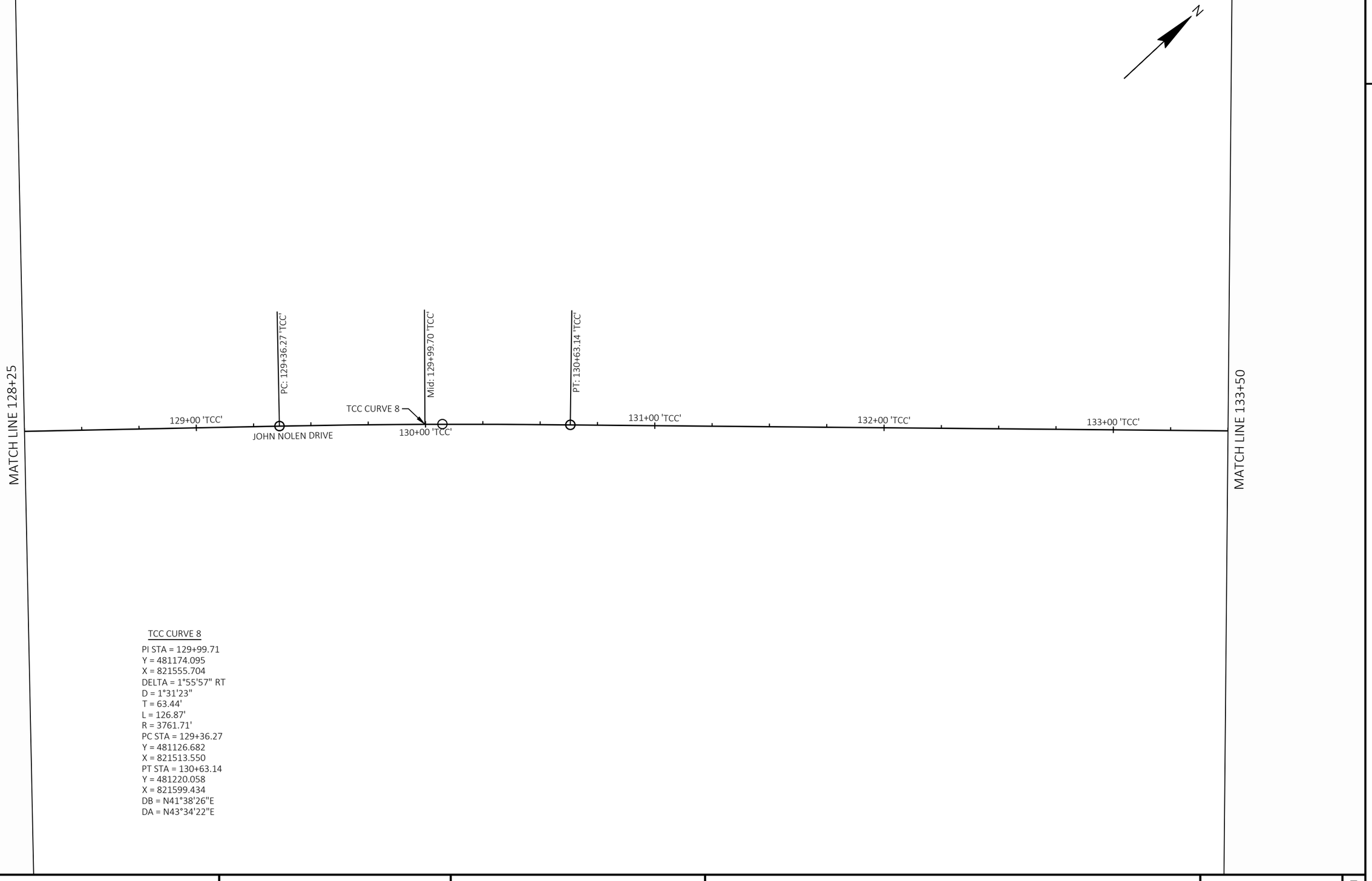


TCC CURVE 7

PI STA = 124+27.24
Y = 480745.686
X = 821175.714
DELTA = 5°52'57" RT
D = 2°50'58"
T = 103.31'
L = 206.44'
R = 2010.78'
PC STA = 123+23.93
Y = 480661.410
X = 821115.960
PT STA = 125+30.37
Y = 480823.395
X = 821243.791
DB = N35°20'16"E
DA = N41°13'12"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 698	E

2



TCC CURVE 8

PI STA = 129+99.71
Y = 481174.095
X = 821555.704
DELTA = 1°55'57" RT
D = 1°31'23"
T = 63.44'
L = 126.87'
R = 3761.71'
PC STA = 129+36.27
Y = 481126.682
X = 821513.550
PT STA = 130+63.14
Y = 481220.058
X = 821599.434
DB = N41°38'26"E
DA = N43°34'22"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 699	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 16
PLOT DATE : 5/23/2025 10:58 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE 133+50

MATCH LINE 138+75

134+00 'TCC'

135+00 'TCC'

136+00 'TCC'

N43°21'25"E

137+00 'TCC'

138+00 'TCC'

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 700	E

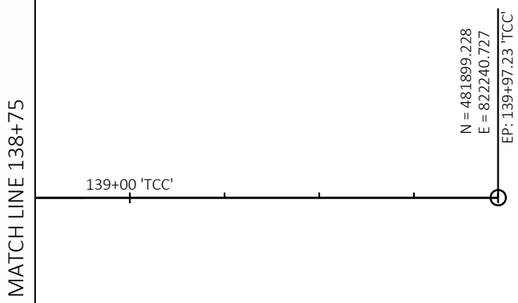
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LAYOUT NAME - 17

PLOT DATE : 5/23/2025 10:58 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



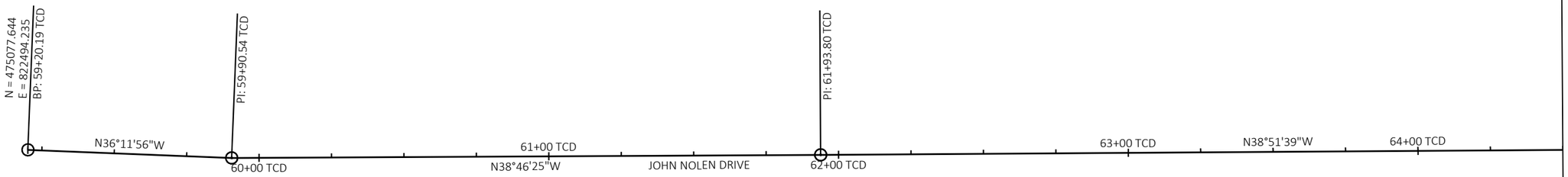
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 3	SHEET 701	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 18

PLOT DATE : 5/23/2025 10:58 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



R/L- 'TCD'
PI STA = 59+90.54 TCD
Y = 475134.4170
X = 822452.6850

R/L- 'TCD'
PI STA = 61+93.80 TCD
Y = 475292.8840
X = 822325.3950

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 702	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 1
PLOT DATE : 5/23/2025 11:00 AM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 64+50

PI: 65+09.79 TCD

65+00 TCD

66+00 TCD

N36°34'42"W

67+00 TCD

JOHN NOLEN DRIVE

PI: 67+50.54 TCD

68+00 TCD

69+00 TCD

N34°38'41"W

MATCH LINE 69+80

R/L- 'TCD'
PI STA = 65+09.79 TCD
Y = 475538.9379
X = 822127.1328

R/L- 'TCD'
PI STA = 67+50.54 TCD
Y = 475732.2680
X = 821983.6660

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 703	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 2

PLOT DATE : 5/23/2025 11:00 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 69+80

MATCH LINE 75+10

PI: 71+00.00 TCD

70+00 TCD

71+00 TCD

72+00 TCD

73+00 TCD

74+00 TCD

75+00 TCD

JOHN NOLEN DRIVE

N34°29'28"W

R/L- 'TCD'
PI STA = 71+00.00 TCD
Y = 476020.5580
X = 821786.1574

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 704	E

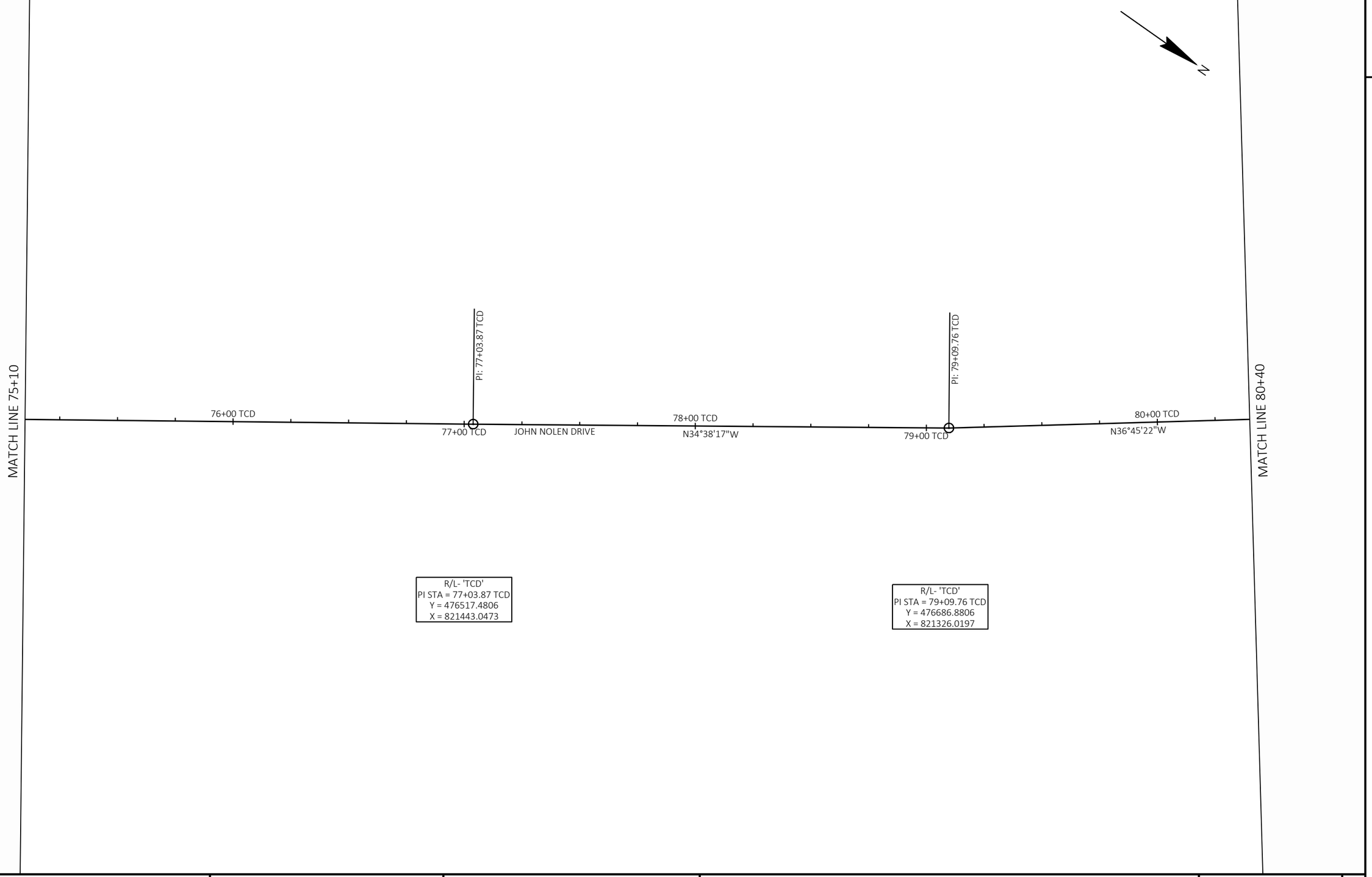
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 3

PLOT DATE : 5/23/2025 11:00 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



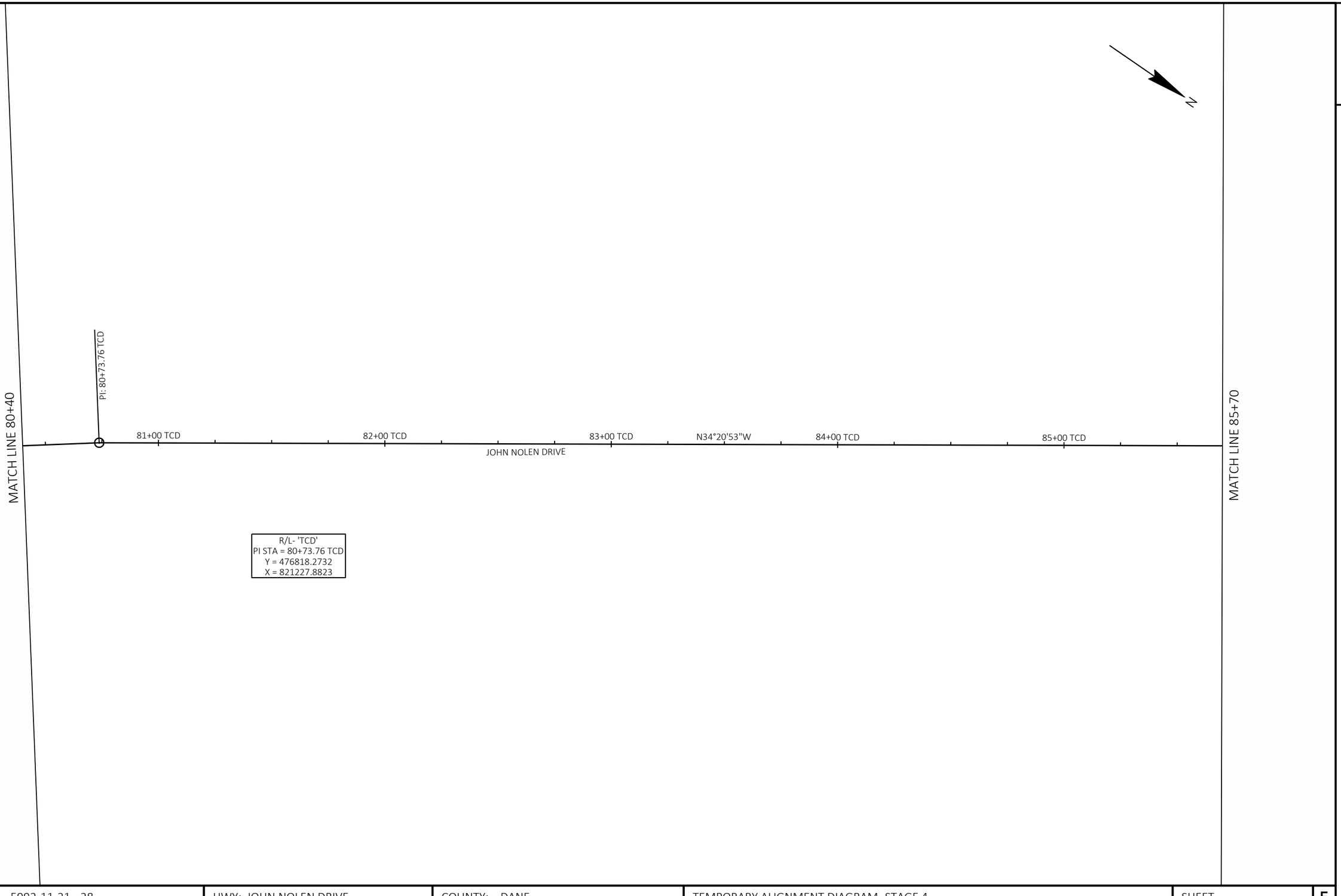
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 705	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 4

PLOT DATE : 5/23/2025 11:00 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

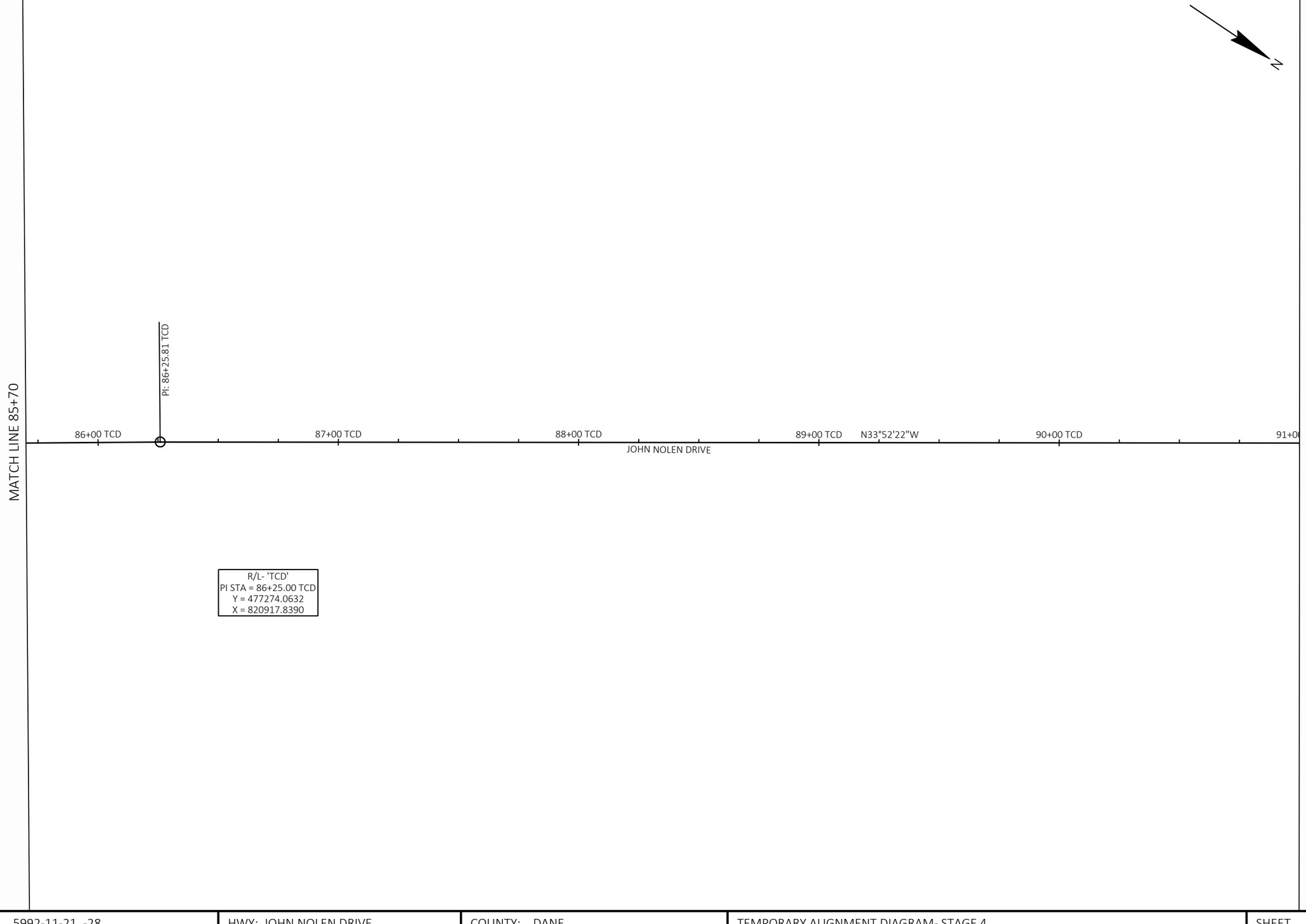
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 706	E

2



2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 707	E

2

2

N

MATCH LINE 91+00

0 TCD

92+00 TCD

PC: 92+33.33 TCD

93+00 TCD

JOHN NOLEN DRIVE

94+00 TCD

95+00 TCD

96+00 TCD

MATCH LINE 96+30

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 708 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 7

PLOT DATE : 5/23/2025 11:00 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 96+30

Mid: 96+56.83 TCD

TCD CURVE 1

97+00 TCD

98+00 TCD

99+00 TCD

JOHN NOLEN DRIVE

100+00 TCD

PT: 100+80.32 TCD

101+00 TCD

MATCH LINE 101+60

TCD CURVE 1

PI STA = 96+78.19
Y = 478147.834
X = 820329.856
DELTA = 43°17'27" RT
D = 5°06'40"
T = 444.86'
L = 846.99'
R = 1121.00'
PC STA = 92+33.33
Y = 477778.474
X = 820577.801
PT STA = 100+80.32
Y = 478586.702
X = 820402.652
DB = N33°52'22"W
DA = N09°25'05"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 709	E

2

2

N

MATCH LINE 101+60

MATCH LINE 106+90

PI: 103+63.62 TCD

102+00 TCD

103+00 TCD

104+00 TCD

105+00 TCD

106+00 TCD

N9°25'05"E

N10°55'05"E

JOHN NOLEN DRIVE

R/L- 'TCD'
PI STA = 103+63.62 TCD
Y = 478866.1825
X = 820449.0108

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 710	E

2

2

N

MATCH LINE 106+90

PI: 107+01.88 TCD

PC: 108+80.75 TCD

Mid: 111+66.14 TCD

MATCH LINE 112+20

107+00 TCD

108+00 TCD

N9°55'05"E

109+00 TCD

110+00 TCD

JOHN NOLEN DRIVE

111+00 TCD

112+00 TCD

TCD CURVE 2

R/L- 'TCD'
PI STA = 107+01.88 TCD
Y = 479198.3143
X = 820513.0783

TCD CURVE 2
PI STA = 111+68.55
Y = 479658.016
X = 820593.459
DELTA = 18°10'07" RT
D = 3°10'59"
T = 287.81'
L = 570.78'
R = 1800.00'
PC STA = 108+80.75
Y = 479374.511
X = 820543.887
PT STA = 114+51.53
Y = 479911.930
X = 820728.960
DB = N09°55'05"E
DA = N28°05'12"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 711	E

2

2

N

MATCH LINE 112+20

113+00 TCD

114+00 TCD

PT: 114+51.53 TCD

JOHN NOLEN DRIVE

115+00 TCD

116+00 TCD

N28°05'12"E

117+00 TCD

MATCH LINE 117+50

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 712	E

2

2

N

MATCH LINE 117+50

PC: 118+52.00 TCD

118+00 TCD

119+00 TCD

120+00 TCD

121+00 TCD

122+00 TCD

JOHN NOLEN DRIVE

MATCH LINE 122+80

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 713	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\027205-AD.DWG
LAYOUT NAME - 12

PLOT DATE : 5/23/2025 11:00 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 122+80

Mid: 123+00.16 TCD

123+00 TCD

TCD CURVE 3

124+00 TCD

125+00 TCD

JOHN NOLEN DRIVE

126+00 TCD

127+00 TCD

PT: 127+48.32 TCD

128+00 TCD

MATCH LINE 128+25

TCD CURVE 3

PI STA = 123+02.67
Y = 480662.835
X = 821129.681
DELTA = 14°47'59" RT
D = 1°39'04"
T = 450.67'
L = 896.32'
R = 3470.00'
PC STA = 118+52.00
Y = 480265.240
X = 820917.504
PT STA = 127+48.32
Y = 480993.040
X = 821436.381
DB = N28°05'12"E
DA = N42°53'11"E

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 714	E

2

2

MATCH LINE 128+25

N42°53'11"E

129+00 TCD

PI: 129+86.33 TCD

130+00 TCD

JOHN NOLEN DRIVE

N42°03'33"E

PI: 130+51.22 TCD

131+00 TCD

N41°06'57"E

PI: 131+23.86 TCD

132+00 TCD

N40°48'19"E

PI: 132+61.54 TCD

133+00 TCD

N42°31'58"E

PI: 133+30.97 TCD

N43°10'59"E

134+00 TCD

N = 481498.967
E = 821895.251
EP: 134+31.43 TCD

R/L- 'TCD'
PI STA = 129+86.33 TCD
Y = 481167.4366
X = 821598.3622

R/L- 'TCD'
PI STA = 130+51.22 TCD
Y = 481215.6091
X = 821641.8273

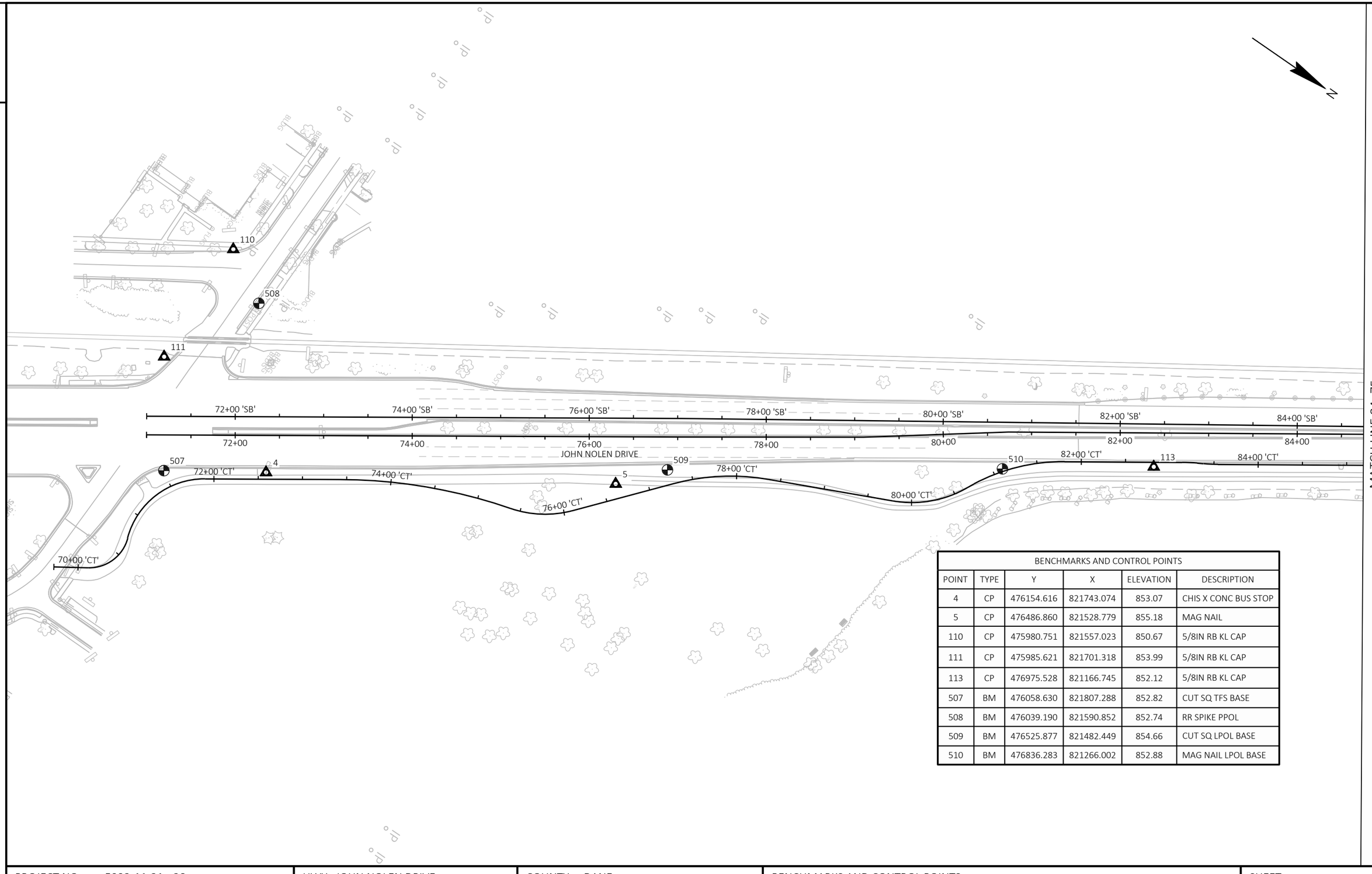
R/L- 'TCD'
PI STA = 131+23.86 TCD
Y = 481270.3358
X = 821689.5950

R/L- 'TCD'
PI STA = 132+61.54 TCD
Y = 481374.5540
X = 821779.5700

R/L- 'TCD'
PI STA = 133+30.97 TCD
Y = 481425.7180
X = 821826.5070

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	TEMPORARY ALIGNMENT DIAGRAM- STAGE 4	SHEET 715	E

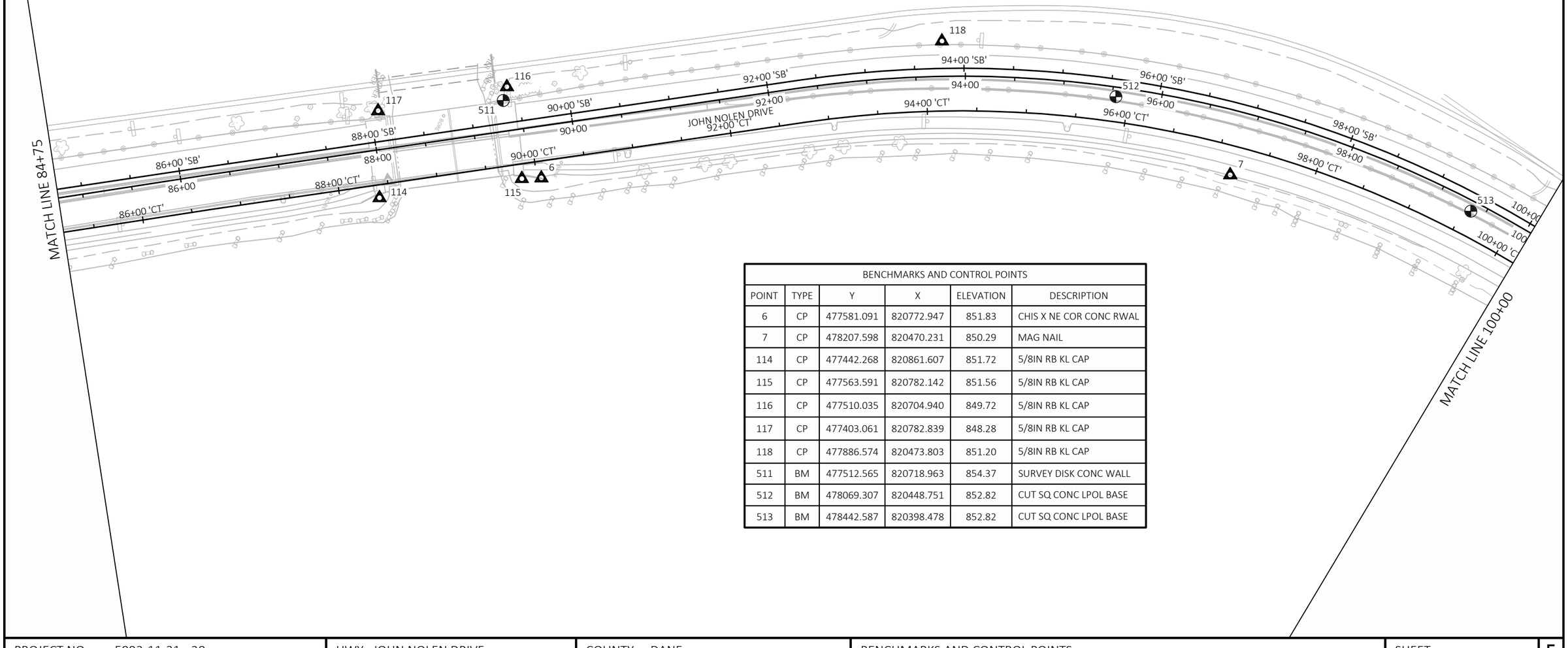
2



BENCHMARKS AND CONTROL POINTS					
POINT	TYPE	Y	X	ELEVATION	DESCRIPTION
4	CP	476154.616	821743.074	853.07	CHIS X CONC BUS STOP
5	CP	476486.860	821528.779	855.18	MAG NAIL
110	CP	475980.751	821557.023	850.67	5/8IN RB KL CAP
111	CP	475985.621	821701.318	853.99	5/8IN RB KL CAP
113	CP	476975.528	821166.745	852.12	5/8IN RB KL CAP
507	BM	476058.630	821807.288	852.82	CUT SQ TFS BASE
508	BM	476039.190	821590.852	852.74	RR SPIKE PPOL
509	BM	476525.877	821482.449	854.66	CUT SQ LPOL BASE
510	BM	476836.283	821266.002	852.88	MAG NAIL LPOL BASE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	BENCHMARKS AND CONTROL POINTS	SHEET 716	E

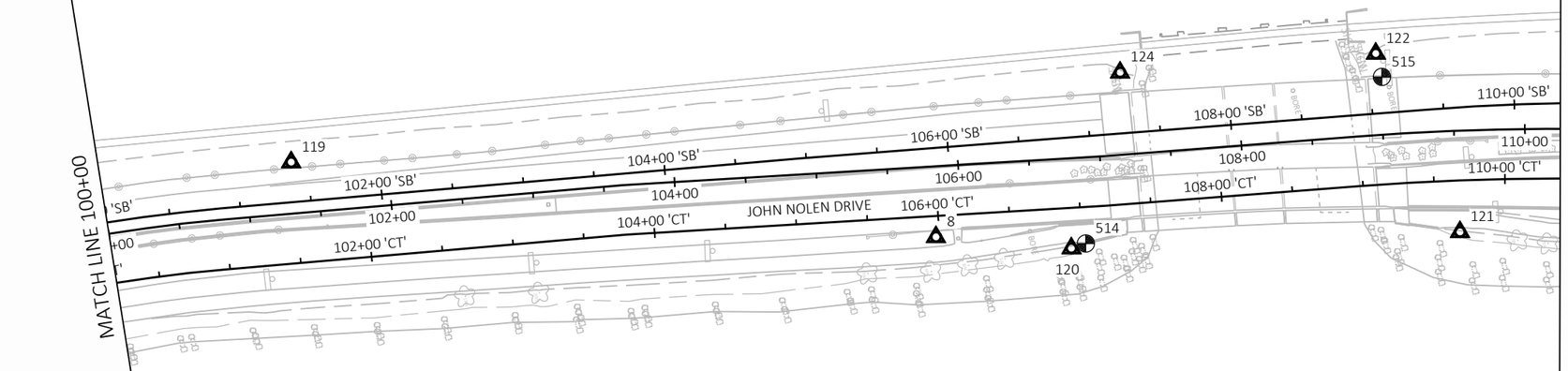
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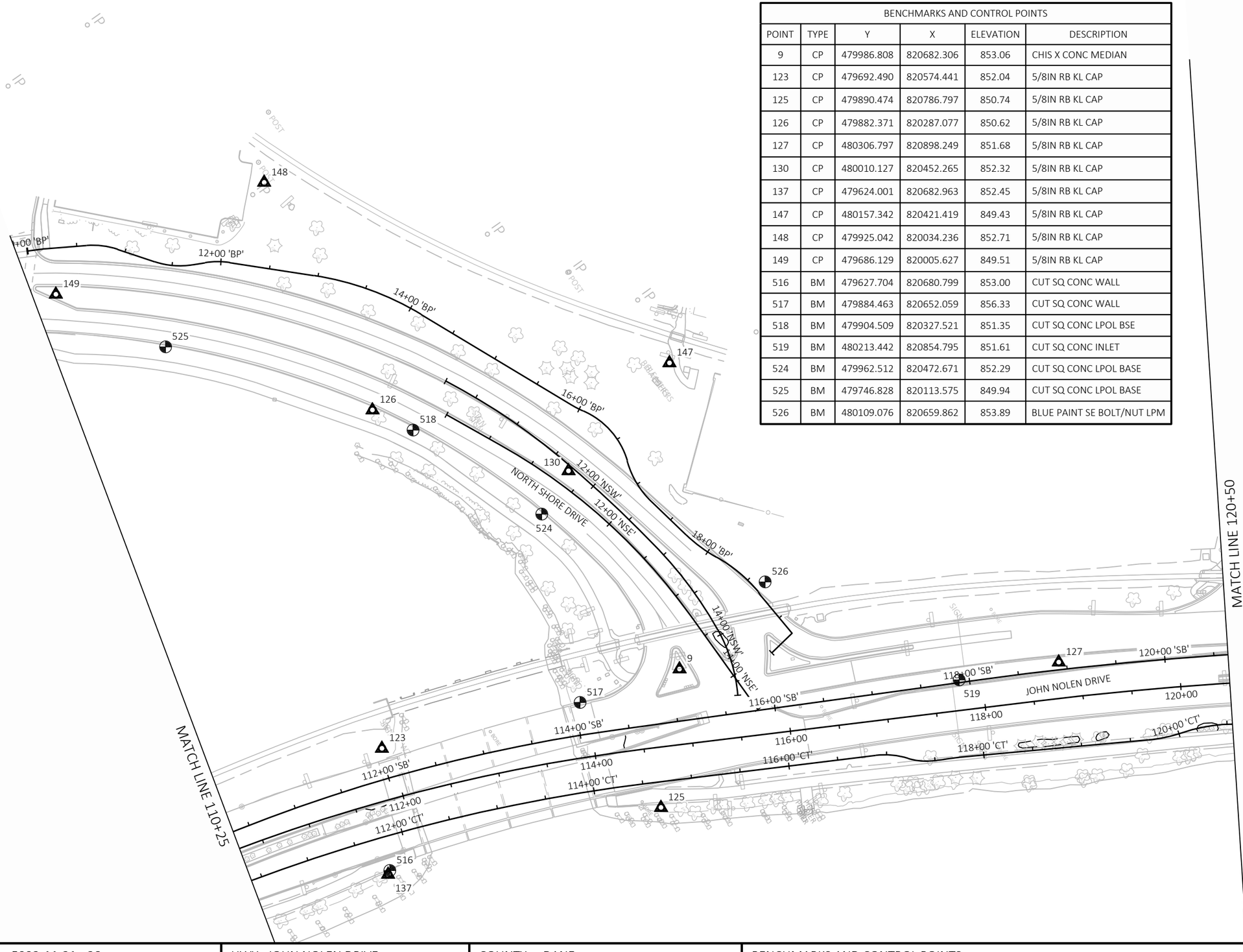


BENCHMARKS AND CONTROL POINTS					
POINT	TYPE	Y	X	ELEVATION	DESCRIPTION
6	CP	477581.091	820772.947	851.83	CHIS X NE COR CONC RWAL
7	CP	478207.598	820470.231	850.29	MAG NAIL
114	CP	477442.268	820861.607	851.72	5/8IN RB KL CAP
115	CP	477563.591	820782.142	851.56	5/8IN RB KL CAP
116	CP	477510.035	820704.940	849.72	5/8IN RB KL CAP
117	CP	477403.061	820782.839	848.28	5/8IN RB KL CAP
118	CP	477886.574	820473.803	851.20	5/8IN RB KL CAP
511	BM	477512.565	820718.963	854.37	SURVEY DISK CONC WALL
512	BM	478069.307	820448.751	852.82	CUT SQ CONC LPOL BASE
513	BM	478442.587	820398.478	852.82	CUT SQ CONC LPOL BASE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	BENCHMARKS AND CONTROL POINTS	SHEET 717	E

BENCHMARKS AND CONTROL POINTS					
POINT	TYPE	Y	X	ELEVATION	DESCRIPTION
8	CP	479070.503	820539.045	853.36	3/8IN RB
119	CP	478643.823	820375.404	851.25	5/8IN RB KL CAP
120	CP	479161.019	820570.498	854.07	5/8IN RB KL CAP
121	CP	479428.846	820627.228	854.43	5/8IN RB KL CAP
122	CP	479402.620	820490.823	849.78	5/8IN RB KL CAP
124	CP	479224.872	820458.941	850.05	5/8IN RB KL CAP
514	BM	479171.659	820569.698	854.63	CUT SQ CONC WALL
515	BM	479402.698	820507.777	858.23	CUT SQ CONC WALL





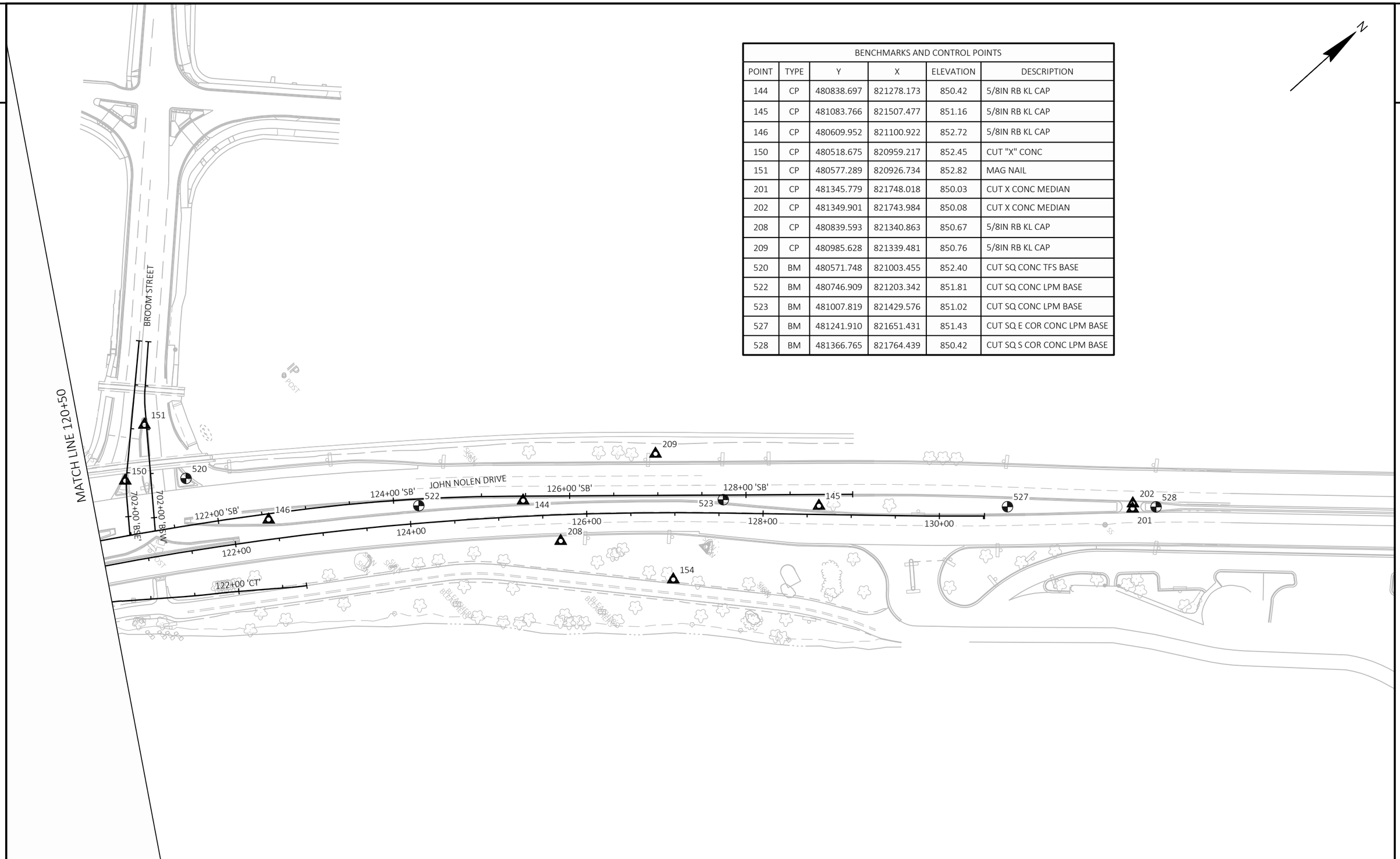
BENCHMARKS AND CONTROL POINTS					
POINT	TYPE	Y	X	ELEVATION	DESCRIPTION
9	CP	479986.808	820682.306	853.06	CHIS X CONC MEDIAN
123	CP	479692.490	820574.441	852.04	5/8IN RB KL CAP
125	CP	479890.474	820786.797	850.74	5/8IN RB KL CAP
126	CP	479882.371	820287.077	850.62	5/8IN RB KL CAP
127	CP	480306.797	820898.249	851.68	5/8IN RB KL CAP
130	CP	480010.127	820452.265	852.32	5/8IN RB KL CAP
137	CP	479624.001	820682.963	852.45	5/8IN RB KL CAP
147	CP	480157.342	820421.419	849.43	5/8IN RB KL CAP
148	CP	479925.042	820034.236	852.71	5/8IN RB KL CAP
149	CP	479686.129	820005.627	849.51	5/8IN RB KL CAP
516	BM	479627.704	820680.799	853.00	CUT SQ CONC WALL
517	BM	479884.463	820652.059	856.33	CUT SQ CONC WALL
518	BM	479904.509	820327.521	851.35	CUT SQ CONC LPOL BSE
519	BM	480213.442	820854.795	851.61	CUT SQ CONC INLET
524	BM	479962.512	820472.671	852.29	CUT SQ CONC LPOL BASE
525	BM	479746.828	820113.575	849.94	CUT SQ CONC LPOL BASE
526	BM	480109.076	820659.862	853.89	BLUE PAINT SE BOLT/NUT LPM

2

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	BENCHMARKS AND CONTROL POINTS	SHEET 719	E

2

BENCHMARKS AND CONTROL POINTS					
POINT	TYPE	Y	X	ELEVATION	DESCRIPTION
144	CP	480838.697	821278.173	850.42	5/8IN RB KL CAP
145	CP	481083.766	821507.477	851.16	5/8IN RB KL CAP
146	CP	480609.952	821100.922	852.72	5/8IN RB KL CAP
150	CP	480518.675	820959.217	852.45	CUT "X" CONC
151	CP	480577.289	820926.734	852.82	MAG NAIL
201	CP	481345.779	821748.018	850.03	CUT X CONC MEDIAN
202	CP	481349.901	821743.984	850.08	CUT X CONC MEDIAN
208	CP	480839.593	821340.863	850.67	5/8IN RB KL CAP
209	CP	480985.628	821339.481	850.76	5/8IN RB KL CAP
520	BM	480571.748	821003.455	852.40	CUT SQ CONC TFS BASE
522	BM	480746.909	821203.342	851.81	CUT SQ CONC LPM BASE
523	BM	481007.819	821429.576	851.02	CUT SQ CONC LPM BASE
527	BM	481241.910	821651.431	851.43	CUT SQ E COR CONC LPM BASE
528	BM	481366.765	821764.439	850.42	CUT SQ S COR CONC LPM BASE



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	BENCHMARKS AND CONTROL POINTS	SHEET 720	E

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	5992-11-21 Qty	5992-11-22 Qty	5992-11-23 Qty	5992-11-24 Qty	5992-11-25 Qty	5992-11-26 Qty	5992-11-27 Qty	5992-11-28 Qty
0002	201.0105	Clearing	STA	31.000	31.000							
0004	201.0205	Grubbing	STA	31.000	31.000							
0006	203.0100	Removing Small Pipe Culverts	EACH	2.000	2.000							
0008	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 001. B-13-333	EACH	1.000				1.000				
0010	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 002. P-13-754	EACH	1.000					1.000			
0012	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 003. P-13-755	EACH	1.000						1.000		
0014	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 004. P-13-756	EACH	1.000							1.000	
0016	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 005. B-13-332	EACH	1.000			1.000					
0018	203.0260	Removing Structure Over Waterway Minimal Debris (structure) 006. P-13-753	EACH	1.000		1.000						
0020	204.0100	Removing Concrete Pavement	SY	13,977.000	13,977.000							
0022	204.0110	Removing Asphaltic Surface	SY	466.000	466.000							
0024	204.0120	Removing Asphaltic Surface Milling	SY	4,310.000	4,310.000							
0026	204.0150	Removing Curb & Gutter	LF	10,832.000	10,832.000							
0028	204.0155	Removing Concrete Sidewalk	SY	937.000	937.000							
0030	204.0165	Removing Guardrail	LF	4,615.000	4,615.000							
0032	204.0185	Removing Masonry	CY	5.000	5.000							
0034	204.0195	Removing Concrete Bases	EACH	81.000	81.000							
0036	204.0210	Removing Manholes	EACH	16.000	16.000							
0038	204.0220	Removing Inlets	EACH	63.000	63.000							
0040	204.0245	Removing Storm Sewer (size) 001. 29x45-Inch	LF	242.000	242.000							
0042	204.0245	Removing Storm Sewer (size) 002. 24-Inch	LF	208.000	208.000							
0044	204.0245	Removing Storm Sewer (size) 003. 21-Inch	LF	282.000	282.000							
0046	204.0245	Removing Storm Sewer (size) 004. 18-Inch	LF	865.000	865.000							
0048	204.0245	Removing Storm Sewer (size) 005. 15-Inch	LF	623.000	623.000							
0050	204.0245	Removing Storm Sewer (size) 006. 12-Inch	LF	1,030.000	1,030.000							
0052	204.0246	Removing Ancillary Structure (structure) 001. S-13-3007	EACH	1.000	1.000							
0054	204.0246	Removing Ancillary Structure (structure) 002. S-13-3006	EACH	1.000	1.000							
0056	204.0265	Abandoning Wells	EACH	1.000	1.000							
0058	204.9060.S	Removing (item description) 001. Navigational Markers	EACH	6.000	6.000							
0060	204.9060.S	Removing (item description) 002. Street Light Assembly	EACH	49.000	49.000							
0062	204.9060.S	Removing (item description) 003. Traffic Signal (John Nolen Drive & North Shore Drive)	EACH	1.000	1.000							
0064	204.9060.S	Removing (item description) 004. Traffic Signal (John Nolen Drive & Broom Street)	EACH	1.000	1.000							
0066	204.9060.S	Removing (item description) 005. Inlet Covers	EACH	2.000	2.000							
0068	204.9060.S	Removing (item description) 006. Bicycle Counter Base	EACH	1.000								1.000
0070	204.9090.S	Removing (item description) 001. Or Abandoning Existing Conduit	LF	15,000.000	15,000.000							
0072	204.9090.S	Removing (item description) 002. Electrical Cables from Existing Conduit	LF	15,300.000	15,300.000							
0074	204.9090.S	Removing (item description) 003. Railing and Bases	LF	445.000	445.000							
0076	204.9090.S	Removing (item description) 004. Underdrain 6-Inch	LF	72.000	72.000							
0078	205.0100	Excavation Common	CY	39,108.000	35,968.000							3,140.000
0080	206.1001	Excavation for Structures Bridges (structure) 001. B-13-924 NB	EACH	1.000				1.000				
0082	206.1001	Excavation for Structures Bridges (structure) 002. B-13-924 SB	EACH	1.000					1.000			
0084	206.1001	Excavation for Structures Bridges (structure) 003. B-13-926 NB	EACH	1.000						1.000		
0086	206.1001	Excavation for Structures Bridges (structure) 004. B-13-926 SB	EACH	1.000							1.000	
0088	206.1001	Excavation for Structures Bridges (structure) 005. B-13-930 NB	EACH	1.000			1.000					
0090	206.1001	Excavation for Structures Bridges (structure) 006. B-13-930 SB	EACH	1.000		1.000						
0092	206.1001	Excavation for Structures Bridges (structure) 007. B-13-932	EACH	1.000								1.000
0094	206.1001	Excavation for Structures Bridges (structure) 008. B-13-933	EACH	1.000								1.000
0096	206.1001	Excavation for Structures Bridges (structure) 009. B-13-934	EACH	1.000								1.000
0098	206.3001	Excavation for Structures Retaining Walls (structure) 010. R-13-407	EACH	1.000								1.000

					5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0100	206.3001	Excavation for Structures Retaining Walls (structure) 011. R-13-408	EACH	1.000								1.000
0102	206.3001	Excavation for Structures Retaining Walls (structure) 012. R-13-409	EACH	1.000								1.000
0104	206.5001	Cofferdams (structure) 001. B-13-924 NB	EACH	1.000				1.000				
0106	206.5001	Cofferdams (structure) 002. B-13-924 SB	EACH	1.000					1.000			
0108	206.5001	Cofferdams (structure) 003. B-13-926 NB	EACH	1.000						1.000		
0110	206.5001	Cofferdams (structure) 004. B-13-926 SB	EACH	1.000							1.000	
0112	206.5001	Cofferdams (structure) 005. B-13-930 NB	EACH	1.000			1.000					
0114	206.5001	Cofferdams (structure) 006. B-13-930 SB	EACH	1.000		1.000						
0116	206.5001	Cofferdams (structure) 007. B-13-932	EACH	1.000								1.000
0118	206.5001	Cofferdams (structure) 008. B-13-933	EACH	1.000								1.000
0120	206.5001	Cofferdams (structure) 009. B-13-934	EACH	1.000								1.000
0122	206.5001	Cofferdams (structure) 010. 83.0	EACH	1.000	1.000							
0124	206.5001	Cofferdams (structure) 011. 94.0	EACH	1.000	1.000							
0126	206.5001	Cofferdams (structure) 012. 97.E	EACH	1.000	1.000							
0128	206.5001	Cofferdams (structure) 013. 99.0	EACH	1.000	1.000							
0130	206.5001	Cofferdams (structure) 014. 109.0	EACH	1.000	1.000							
0132	206.5001	Cofferdams (structure) 015. 111.0	EACH	1.000	1.000							
0134	206.5001	Cofferdams (structure) 016. 114.0	EACH	1.000	1.000							
0136	206.5001	Cofferdams (structure) 017. 119.0	EACH	1.000	1.000							
0138	206.5001	Cofferdams (structure) 018. 120.0	EACH	1.000	1.000							
0140	206.5001	Cofferdams (structure) 019. 123.0	EACH	1.000	1.000							
0142	206.5001	Cofferdams (structure) 020. 127.0	EACH	1.000	1.000							
0144	206.5001	Cofferdams (structure) 021. 10.0	EACH	1.000	1.000							
0146	206.5001	Cofferdams (structure) 022. 83+80 RT	EACH	1.000	1.000							
0148	206.5001	Cofferdams (structure) 023. 94+47 RT	EACH	1.000	1.000							
0150	206.5001	Cofferdams (structure) 024. 99+75 RT	EACH	1.000	1.000							
0152	206.5001	Cofferdams (structure) 025. 114+70 RT	EACH	1.000	1.000							
0154	210.1500	Backfill Structure Type A	TON	2,320.000		200.000	200.000	260.000	200.000	290.000	220.000	950.000
0156	213.0100	Finishing Roadway (project) 001. 5992-11-21	EACH	1.000	1.000							
0158	213.0100	Finishing Roadway (project) 002. 5992-11-28	EACH	1.000								1.000
0160	305.0110	Base Aggregate Dense 3/4-Inch	TON	512.000								512.000
0162	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	43,548.000	34,936.000	190.000	190.000	274.000	190.000	272.000	221.000	7,275.000
0164	310.0110	Base Aggregate Open-Graded	TON	41.000								41.000
0166	312.0110	Select Crushed Material	TON	29,611.000	28,958.000							653.000
0168	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	24.000	24.000							
0170	405.0100	Coloring Concrete WisDOT Red	CY	18.000	18.000							
0172	405.1000	Stamping Colored Concrete	CY	275.000	275.000							
0174	415.0090	Concrete Pavement 9-Inch	SY	306.000	306.000							
0176	415.0095	Concrete Pavement 9 1/2-Inch	SY	9,707.000	9,707.000							
0178	415.0210	Concrete Pavement Gaps	EACH	2.000	2.000							
0180	415.0410	Concrete Pavement Approach Slab	SY	541.000	541.000							
0182	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	72.000	72.000							
0184	415.2010	Concrete Truck Apron 12-inch	SY	24.000	24.000							
0186	416.0610	Drilled Tie Bars	EACH	411.000	411.000							
0188	416.0620	Drilled Dowel Bars	EACH	80.000	80.000							
0190	455.0605	Tack Coat	GAL	2,446.000	2,446.000							
0192	460.2000	Incentive Density HMA Pavement	DOL	3,690.000	2,910.000							780.000
0194	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,205.000								1,205.000
0196	460.6223	HMA Pavement 3 MT 58-28 S	TON	4,533.000	4,533.000							

					5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0198	460.6424	HMA Pavement 4 MT 58-28 H	TON	2,137.000	2,137.000							
0200	465.0125	Asphaltic Surface Temporary	TON	1,270.000	1,270.000							
0202	495.1000.S	Cold Patch	TON	5.000	5.000							
0204	501.1000.S	Ice Hot Weather Concreting	LB	23,192.000		2,440.000	2,270.000	3,390.000	2,680.000	3,793.000	3,218.000	5,401.000
0206	502.0100	Concrete Masonry Bridges	CY	1,227.000		95.000	73.000	94.000	89.000	102.000	96.000	678.000
0208	502.2000	Compression Joint Sealer Preformed Elastomeric (width) 001. 2 1/4-Inch	LF	533.000			163.000	175.000		195.000		
0210	502.3200	Protective Surface Treatment	SY	5,939.000		549.000	549.000	945.000	681.000	1,100.000	884.000	1,231.000
0212	502.3210	Pigmented Surface Sealer	SY	878.000		83.000	83.000	106.000	106.000	116.000	116.000	268.000
0214	502.4204	Adhesive Anchors No. 4 Bar	EACH	838.000		574.000			264.000			
0216	503.0137	Prestressed Girder Type I 36W-Inch	LF	6,005.000		483.000	483.000	864.000	691.000	1,157.000	964.000	1,363.000
0218	504.0500	Concrete Masonry Retaining Walls	CY	260.000								260.000
0220	504.0900	Concrete Masonry Endwalls	CY	2.100	2.100							
0222	505.0400	Bar Steel Reinforcement HS Structures	LB	87,870.000		10,160.000	9,440.000	11,950.000	8,580.000	12,740.000	11,010.000	23,990.000
0224	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	498,280.000		48,930.000	47,170.000	78,670.000	61,000.000	91,750.000	79,820.000	90,940.000
0226	505.0800.S	Bar Steel Reinforcement HS Stainless Structures	LB	7,110.000		1,060.000	1,060.000	1,360.000	1,020.000	1,430.000	1,180.000	
0228	506.2605	Bearing Pads Elastomeric Non-Laminated	EACH	152.000		16.000	16.000	20.000	16.000	24.000	20.000	40.000
0230	506.4000	Steel Diaphragms (structure) 001. B-13-924 NB	EACH	16.000				16.000				
0232	506.4000	Steel Diaphragms (structure) 002. B-13-924 SB	EACH	12.000					12.000			
0234	506.4000	Steel Diaphragms (structure) 003. B-13-926 NB	EACH	20.000						20.000		
0236	506.4000	Steel Diaphragms (structure) 004. B-13-926 SB	EACH	16.000							16.000	
0238	506.4000	Steel Diaphragms (structure) 005. B-13-930 NB	EACH	6.000			6.000					
0240	506.4000	Steel Diaphragms (structure) 006. B-13-930 SB	EACH	6.000		6.000						
0242	506.4000	Steel Diaphragms (structure) 007. B-13-932	EACH	4.000								4.000
0244	506.4000	Steel Diaphragms (structure) 008. B-13-933	EACH	8.000								8.000
0246	506.4000	Steel Diaphragms (structure) 009. B-13-934	EACH	12.000								12.000
0248	509.5100.S	Polymer Overlay	SY	4,522.000		354.000	354.000	698.000	504.000	779.000	627.000	1,206.000
0250	511.1200	Temporary Shoring (structure) 002. B-13-924 SB	SF	228.000					228.000			
0252	511.1200	Temporary Shoring (structure) 003. B-13-926 NB	SF	123.000						123.000		
0254	511.1200	Temporary Shoring (structure) 004. B-13-926 SB	SF	228.000							228.000	
0256	511.1200	Temporary Shoring (structure) 005. B-13-930 NB	SF	734.000			734.000					
0258	511.1200	Temporary Shoring (structure) 006. B-13-930 SB	SF	734.000		734.000						
0260	512.0500	Piling Steel Sheet Permanent Delivered	SF	14,833.000								14,833.000
0262	512.0600	Piling Steel Sheet Permanent Driven	SF	14,833.000								14,833.000
0264	513.8011	Railing Steel Pedestrian Type C2	LF	1,243.000								1,243.000
0266	516.0500	Rubberized Membrane Waterproofing	SY	165.000		16.000	16.000	19.000	15.000	21.000	15.000	63.000
0268	517.1010.S	Concrete Staining (structure) 001. B-13-924 NB	SF	2,422.000				2,422.000				
0270	517.1010.S	Concrete Staining (structure) 002. B-13-924 SB	SF	2,355.000					2,355.000			
0272	517.1010.S	Concrete Staining (structure) 003. B-13-926 NB	SF	2,690.000						2,690.000		
0274	517.1010.S	Concrete Staining (structure) 004. B-13-926 SB	SF	2,460.000							2,460.000	
0276	517.1010.S	Concrete Staining (structure) 005. B-13-930 NB	SF	1,523.000			1,523.000					
0278	517.1010.S	Concrete Staining (structure) 006. B-13-930 SB	SF	1,687.000		1,687.000						
0280	517.1010.S	Concrete Staining (structure) 007. B-13-932	SF	1,728.000								1,728.000
0282	517.1010.S	Concrete Staining (structure) 008. B-13-933	SF	2,915.000								2,915.000
0284	517.1010.S	Concrete Staining (structure) 009. B-13-934	SF	3,249.000								3,249.000
0286	517.1010.S	Concrete Staining (structure) 010. R-13-407	SF	168.000								168.000
0288	517.1010.S	Concrete Staining (structure) 011. R-13-408	SF	135.000								135.000
0290	517.1010.S	Concrete Staining (structure) 012. R-13-409	SF	191.000								191.000
0292	520.2015	Culvert Pipe Temporary 15-Inch	LF	162.000	162.000							
0294	520.2018	Culvert Pipe Temporary 18-Inch	LF	78.000	78.000							

Line	Item	Item Description	Unit	Total	5992-11-21 Qty	5992-11-22 Qty	5992-11-23 Qty	5992-11-24 Qty	5992-11-25 Qty	5992-11-26 Qty	5992-11-27 Qty	5992-11-28 Qty
0296	520.2024	Culvert Pipe Temporary 24-Inch	LF	76.000	76.000							
0298	520.8000	Concrete Collars for Pipe	EACH	14.000	14.000							
0300	522.0118	Culvert Pipe Reinforced Concrete Class III 18-Inch	LF	124.000	124.000							
0302	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	3.000	3.000							
0304	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	5.000	5.000							
0306	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000							
0308	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	3.000	3.000							
0310	531.2042	Drilling Shaft 42-Inch	LF	46.000	46.000							
0312	531.5440	Foundation Single-Shaft Type TF-IV (structure) 001. S-13-579	EACH	2.000	2.000							
0314	531.8990	Anchor Assemblies Poles on Structures	EACH	4.000				1.000	1.000	1.000	1.000	
0316	532.5440	Truss Full Span 2-Chord Type IV (structure) 001. S-13-579	EACH	1.000	1.000							
0318	550.2148	Piling CIP Concrete 14 X 0.50-Inch	LF	11,610.000		1,320.000	1,100.000	1,470.000	1,260.000	1,435.000	1,435.000	3,590.000
0320	601.0581	Concrete Curb & Gutter 4-Inch Sloped 30-Inch Type R	LF	82.000	82.000							
0322	601.0600	Concrete Curb Pedestrian	LF	204.000	204.000							
0324	602.0410	Concrete Sidewalk 5-Inch	SF	5,240.000	2,115.000							3,125.000
0326	602.0420	Concrete Sidewalk 7-Inch	SF	36,570.000								36,570.000
0328	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	874.000	406.000							468.000
0330	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	198.000	38.000							160.000
0332	602.3010	Concrete Surface Drains	CY	4.000	4.000							
0334	603.8000	Concrete Barrier Temporary Precast Delivered	LF	1,788.000	1,788.000							
0336	603.8125	Concrete Barrier Temporary Precast Installed	LF	1,788.000	1,788.000							
0338	603.8500	Anchoring Concrete Barrier Temporary Precast	LF	125.000	125.000							
0340	603.8505	Anchoring Concrete Barrier Temporary Precast on Bridge Decks	LF	150.000	150.000							
0342	606.0200	Riprap Medium	CY	35.000	35.000							
0344	606.0300	Riprap Heavy	CY	802.000		110.000	60.000	113.000	115.000	95.000	110.000	199.000
0346	608.0118	Relaid Storm Sewer 18-Inch	LF	16.000	16.000							
0348	608.0130	Relaid Storm Sewer 30-Inch	LF	32.000	32.000							
0350	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	4,867.000	4,867.000							
0352	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	1,018.000	1,018.000							
0354	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	592.000	592.000							
0356	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	179.000	179.000							
0358	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	64.000	64.000							
0360	608.0327	Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	LF	34.000	34.000							
0362	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	364.000	364.000							
0364	608.2329	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 29x45-Inch	LF	12.000	12.000							
0366	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	10.000	10.000							
0368	611.0642	Inlet Covers Type MS	EACH	9.000	9.000							
0370	611.0651	Inlet Covers Type S	EACH	2.000	2.000							
0372	611.0652	Inlet Covers Type T	EACH	2.000	2.000							
0374	611.0654	Inlet Covers Type V	EACH	3.000	3.000							
0376	611.0666	Inlet Covers Type Z	EACH	9.000	9.000							
0378	611.2003	Manholes 3-FT Diameter	EACH	2.000	2.000							
0380	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000							
0382	611.2005	Manholes 5-FT Diameter	EACH	8.000	8.000							
0384	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000							
0386	611.3003	Inlets 3-FT Diameter	EACH	8.000	8.000							
0388	611.3004	Inlets 4-FT Diameter	EACH	38.000	38.000							
0390	611.3225	Inlets 2x2.5-FT	EACH	3.000	3.000							
0392	611.3230	Inlets 2x3-FT	EACH	91.000	91.000							

					5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0394	611.3901	Inlets Median 1 Grate	EACH	9.000	9.000							
0396	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000							
0398	611.8120.S	Cover Plates Temporary	EACH	17.000	17.000							
0400	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	72.000	72.000							
0402	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	2,927.000	1,903.000	130.000	66.000	84.000	114.000	90.000	126.000	414.000
0404	614.0800	Crash Cushions Permanent	EACH	6.000	6.000							
0406	616.0700.S	Fence Safety	LF	4,000.000	4,000.000							
0408	618.0100	Maintenance and Repair of Haul Roads (project) 001. 5992-11-21	EACH	1.000	1.000							
0410	619.1000	Mobilization	EACH	1.000	0.410	0.040	0.040	0.060	0.060	0.070	0.070	0.250
0412	620.0200	Concrete Median Blunt Nose	SF	13.000	13.000							
0414	620.0300	Concrete Median Sloped Nose	SF	976.000	976.000							
0416	624.0100	Water	MGAL	581.000	472.000							109.000
0418	625.0100	Topsoil	SY	34,835.000	34,835.000							
0420	625.0105	Topsoil	CY	3,210.000	3,210.000							
0422	627.0200	Mulching	SY	500.000	500.000							
0424	628.1104	Erosion Bales	EACH	50.000	50.000							
0426	628.1504	Silt Fence	LF	500.000	500.000							
0428	628.1520	Silt Fence Maintenance	LF	500.000	500.000							
0430	628.1530.S	Silt Fence Heavy Duty	LF	4,780.000	4,780.000							
0432	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	8,070.000	8,070.000							
0434	628.1905	Mobilizations Erosion Control	EACH	40.000	40.000							
0436	628.1910	Mobilizations Emergency Erosion Control	EACH	28.000	28.000							
0438	628.2006	Erosion Mat Urban Class I Type A	SY	24,000.000	24,000.000							
0440	628.2008	Erosion Mat Urban Class I Type B	SY	1,780.000	1,780.000							
0442	628.7005	Inlet Protection Type A	EACH	175.000	175.000							
0444	628.7010	Inlet Protection Type B	EACH	20.000	20.000							
0446	628.7015	Inlet Protection Type C	EACH	215.000	215.000							
0448	628.7020	Inlet Protection Type D	EACH	90.000	90.000							
0450	628.7504	Temporary Ditch Checks	LF	425.000	425.000							
0452	628.7555	Culvert Pipe Checks	EACH	10.000	10.000							
0454	628.7560	Tracking Pads	EACH	6.000	6.000							
0456	629.0210	Fertilizer Type B	CWT	23.000	23.000							
0458	630.0130	Seeding Mixture No. 30	LB	430.000	430.000							
0460	630.0140	Seeding Mixture No. 40	LB	125.000	125.000							
0462	630.0200	Seeding Temporary	LB	345.000	345.000							
0464	630.0500	Seed Water	MGAL	560.000	560.000							
0466	631.0300	Sod Water	MGAL	410.000	410.000							
0468	631.1000	Sod Lawn	SY	9,060.000	9,060.000							
0470	633.5200	Markers Culvert End	EACH	3.000	3.000							
0472	637.2210	Signs Type II Reflective H	SF	375.000	351.250							23.750
0474	637.2220	Signs Type II Reflective SH	SF	241.000	241.000							
0476	637.2230	Signs Type II Reflective F	SF	81.140	81.140							
0478	638.2601	Removing Signs Type I	EACH	2.000	2.000							
0480	638.2602	Removing Signs Type II	EACH	94.000	83.000							11.000
0482	638.3000	Removing Small Sign Supports	EACH	60.000	49.000							11.000
0484	638.3620	Erecting State Owned Signs Type II	EACH	37.000	20.000							17.000
0486	642.5401	Field Office Type D	EACH	1.000	1.000							
0488	643.0300	Traffic Control Drums	DAY	322,830.000	322,830.000							
0490	643.0420	Traffic Control Barricades Type III	DAY	37,470.000	37,470.000							

						5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0492	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	410.000	410.000								
0494	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	390.000	390.000								
0496	643.0705	Traffic Control Warning Lights Type A	DAY	42,754.000	42,754.000								
0498	643.0715	Traffic Control Warning Lights Type C	DAY	45,970.000	45,970.000								
0500	643.0810.S	Connected Arrow Board	DAY	3,730.000	3,730.000								
0502	643.0900	Traffic Control Signs	DAY	166,048.000	166,048.000								
0504	643.0910	Traffic Control Covering Signs Type I	EACH	3.000	3.000								
0506	643.0920	Traffic Control Covering Signs Type II	EACH	11.000	11.000								
0508	643.1000	Traffic Control Signs Fixed Message	SF	40.000	40.000								
0510	643.1050	Traffic Control Signs PCMS	DAY	112.000	112.000								
0512	643.1220.S	Connected Work Zone Start and End Location Markers	DAY	2,910.000	2,910.000								
0514	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	39,690.000	39,690.000								
0516	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	3,100.000	3,100.000								
0518	643.3270	Temporary Marking Line Epoxy 10-Inch	LF	1,710.000	1,710.000								
0520	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	540.000	540.000								
0522	643.3320	Temporary Marking Crosswalk Epoxy 6-inch	LF	90.000	90.000								
0524	643.3520	Temporary Marking Arrow Epoxy	EACH	19.000	19.000								
0526	643.3550	Temporary Marking Arrow Removable Tape	EACH	7.000	7.000								
0528	643.3620	Temporary Marking Word Epoxy	EACH	3.000	3.000								
0530	643.3650	Temporary Marking Word Removable Tape	EACH	2.000	2.000								
0532	643.3820	Temporary Marking Stop Line Epoxy 18-Inch	LF	190.000	190.000								
0534	643.5000	Traffic Control	EACH	1.000	1.000								
0536	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,860.000	1,860.000								
0538	644.1430	Temporary Pedestrian Surface Plate	SF	500.000	500.000								
0540	644.1440	Temporary Pedestrian Surface Matting	SF	5,320.000	5,320.000								
0542	644.1605	Temporary Pedestrian Detectable Warning Field	SF	163.000	163.000								
0544	644.1810	Temporary Pedestrian Barricade	LF	6,250.000	6,250.000								
0546	645.0111	Geotextile Type DF Schedule A	SY	559.000		74.000	72.000	76.000	48.000	81.000	58.000	150.000	
0548	645.0120	Geotextile Type HR	SY	15,315.000	1,680.000	200.000	110.000	206.000	218.000	180.000	226.000	12,495.000	
0550	645.0140	Geotextile Type SAS	SY	2,750.000	2,750.000								
0552	645.0220	Geogrid Type SR	SY	36,265.000	36,265.000								
0554	646.1020	Marking Line Epoxy 4-Inch	LF	1,753.000								1,753.000	
0556	646.2020	Marking Line Epoxy 6-Inch	LF	5,461.000	4,964.000							497.000	
0558	646.3020	Marking Line Epoxy 8-Inch	LF	2,893.000	2,893.000								
0560	646.5020	Marking Arrow Epoxy	EACH	39.000	21.000							18.000	
0562	646.5120	Marking Word Epoxy	EACH	5.000	5.000								
0564	646.5220	Marking Symbol Epoxy	EACH	24.000								24.000	
0566	646.5320	Marking Railroad Crossing Epoxy	EACH	7.000	7.000								
0568	646.7320	Marking Chevron Epoxy 12-Inch	LF	207.000	207.000								
0570	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	1,549.000	1,354.000							195.000	
0572	646.8120	Marking Curb Epoxy	LF	152.000	152.000								
0574	646.8220	Marking Island Nose Epoxy	EACH	9.000	9.000								
0576	646.9000	Marking Removal Line 4-Inch	LF	4,260.000	4,260.000								
0578	646.9200	Marking Removal Line Wide	LF	168.000	168.000								
0580	646.9300	Marking Removal Special Marking	EACH	23.000	23.000								
0582	652.0125	Conduit Rigid Metallic 2-Inch	LF	128.000		16.000	16.000	24.000	24.000	24.000	24.000		
0584	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	20,053.000	11,766.000	339.000	339.000	413.000	413.000	454.000	454.000	5,875.000	
0586	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	7,345.000	7,345.000								
0588	652.0240	Conduit Rigid Nonmetallic Schedule 40 4-Inch	LF	700.000	700.000								

Line	Item	Item Description	Unit	Total	5992-11-21 Qty	5992-11-22 Qty	5992-11-23 Qty	5992-11-24 Qty	5992-11-25 Qty	5992-11-26 Qty	5992-11-27 Qty	5992-11-28 Qty
0590	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,519.000	1,519.000							
0592	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	1,692.000	1,692.000							
0594	652.0700.S	Install Conduit into Existing Item	EACH	14.000	12.000							2.000
0596	653.0222	Junction Boxes 18x12x6-Inch	EACH	4.000				1.000	1.000	1.000	1.000	
0598	653.0905	Removing Pull Boxes	EACH	37.000	37.000							
0600	655.0230	Cable Traffic Signal 5-14 AWG	LF	3,839.000	3,839.000							
0602	655.0240	Cable Traffic Signal 7-14 AWG	LF	3,519.000	3,519.000							
0604	655.0260	Cable Traffic Signal 12-14 AWG	LF	2,610.000	2,610.000							
0606	655.0610	Electrical Wire Lighting 12 AWG	LF	15,819.000	9,307.000							6,512.000
0608	655.0615	Electrical Wire Lighting 10 AWG	LF	6,428.000	6,428.000							
0610	655.0620	Electrical Wire Lighting 8 AWG	LF	9,642.000	9,642.000							
0612	655.0625	Electrical Wire Lighting 6 AWG	LF	28,002.000	28,002.000							
0614	656.0201	Electrical Service Meter Breaker Pedestal (location) 001. John Nolen Drive & North Shore Drive Signals	EACH	1.000	1.000							
0616	656.0201	Electrical Service Meter Breaker Pedestal (location) 002. John Nolen Drive & Broom Street Signals	EACH	1.000	1.000							
0618	656.0201	Electrical Service Meter Breaker Pedestal (location) 003. John Nolen Drive & North Shore Drive Lighting	EACH	1.000	1.000							
0620	657.0100	Pedestal Bases	EACH	24.000	24.000							
0622	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	42.000	42.000							
0624	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	4.000	4.000							
0626	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	14.000	14.000							
0628	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	6.000	6.000							
0630	658.5070	Signal Mounting Hardware (location) 001. John Nolen Drive & North Shore Drive	EACH	1.000	1.000							
0632	658.5070	Signal Mounting Hardware (location) 002. John Nolen Drive & Broom Street	EACH	1.000	1.000							
0634	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	49.000	49.000							
0636	678.0200	Fiber Optic Splice Enclosure	EACH	6.000	6.000							
0638	678.0400	Fiber Optic Termination	EACH	2.000	2.000							
0640	690.0150	Sawing Asphalt	LF	998.000	998.000							
0642	690.0250	Sawing Concrete	LF	2,549.000	2,549.000							
0644	715.0502	Incentive Strength Concrete Structures	DOL	21,190.000		1,960.000	1,830.000	2,720.000	2,150.000	3,030.000	2,580.000	6,920.000
0646	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	3,180.000	3,180.000							
0648	740.0440	Incentive IRI Ride	DOL	6,470.000	6,470.000							
0650	801.0117	Railroad Flagging Reimbursement	DOL	202,356.000	202,356.000							
0652	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 001. Station 88+50	EACH	1.000			1.000					
0654	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 002. Station 108+00	EACH	1.000				1.000				
0656	999.2000.S	Installing and Maintaining Bird Deterrent System (station) 003. Station 113+00	EACH	1.000						1.000		
0658	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	3,500.000	3,500.000							
0660	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	9,720.000	9,720.000							
0662	SPV.0035	Special 001. Pea Gravel 3/8-Inch	CY	34.000	34.000							
0664	SPV.0035	Special 002. Engineered Soil	CY	388.000	388.000							
0666	SPV.0035	Special 201. HPC Masonry Structures	CY	1,824.000		231.000	231.000	358.000	268.000	403.000	333.000	
0668	SPV.0045	Special 001. Temporary RRFB	DAY	800.000	800.000							
0670	SPV.0060	Special 001. Dewatering Project 5992-11-21	EACH	1.000	1.000							
0672	SPV.0060	Special 002. Dewatering Project 5992-11-22	EACH	1.000		1.000						
0674	SPV.0060	Special 003. Dewatering Project 5992-11-23	EACH	1.000			1.000					
0676	SPV.0060	Special 004. Dewatering Project 5992-11-24	EACH	1.000				1.000				
0678	SPV.0060	Special 005. Dewatering Project 5992-11-25	EACH	1.000					1.000			
0680	SPV.0060	Special 006. Dewatering Project 5992-11-26	EACH	1.000						1.000		
0682	SPV.0060	Special 007. Dewatering Project 5992-11-27	EACH	1.000							1.000	

						5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**		**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0684	SPV.0060	Special 008. Dewatering Project 5992-11-28	EACH	1.000									1.000
0686	SPV.0060	Special 009. Settlement Monitoring	EACH	3.000		3.000							
0688	SPV.0060	Special 010. Precast Sign Post Base	EACH	71.000		57.000							14.000
0690	SPV.0060	Special 011. Sign Post Base For Concrete Installation	EACH	14.000		13.000							1.000
0692	SPV.0060	Special 012. Special Sign Base	EACH	1.000									1.000
0694	SPV.0060	Special 013. Inlet Covers Type H Special	EACH	84.000		84.000							
0696	SPV.0060	Special 014. Inlet Covers Type H-S Special	EACH	50.000		50.000							
0698	SPV.0060	Special 015. Manhole Covers Type J Special	EACH	21.000		21.000							
0700	SPV.0060	Special 016. Construction Staking Project 5992-11-21	EACH	1.000		1.000							
0702	SPV.0060	Special 017. Construction Staking Project 5992-11-22	EACH	1.000			1.000						
0704	SPV.0060	Special 018. Construction Staking Project 5992-11-23	EACH	1.000				1.000					
0706	SPV.0060	Special 019. Construction Staking Project 5992-11-24	EACH	1.000					1.000				
0708	SPV.0060	Special 020. Construction Staking Project 5992-11-25	EACH	1.000						1.000			
0710	SPV.0060	Special 021. Construction Staking Project 5992-11-26	EACH	1.000							1.000		
0712	SPV.0060	Special 022. Construction Staking Project 5992-11-27	EACH	1.000								1.000	
0714	SPV.0060	Special 023. Construction Staking Project 5992-11-28	EACH	1.000									1.000
0716	SPV.0060	Special 024. Utility Line Opening (ULO)	EACH	34.000		34.000							
0718	SPV.0060	Special 025. Remove and Reinstall Historical Monument	EACH	2.000		2.000							
0720	SPV.0060	Special 026. Access Gate 3-Foot Polymer-Coated	EACH	5.000		5.000							
0722	SPV.0060	Special 027. Catch Basins 6-FT X 6-FT	EACH	7.000		7.000							
0724	SPV.0060	Special 028. Catch Basins 6-FT X 10-FT	EACH	1.000		1.000							
0726	SPV.0060	Special 029. Manholes 6-FT X 10-FT	EACH	2.000		2.000							
0728	SPV.0060	Special 030. Adjust Sanitary Sewer Access Structure	EACH	2.000		2.000							
0730	SPV.0060	Special 031. Permanent Navigational Buoys	EACH	1.000		1.000							
0732	SPV.0060	Special 032. Furnish and Install Water Valve 12-Inch	EACH	2.000		2.000							
0734	SPV.0060	Special 033. Fishing Dock Abutment	EACH	1.000									1.000
0736	SPV.0060	Special 034. Underdrain Cleanout 8-Inch	EACH	2.000		2.000							
0738	SPV.0060	Special 035. Standpipe 12-Inch With Grate	EACH	2.000		2.000							
0740	SPV.0060	Special 036. Concrete Supports	EACH	2.000		2.000							
0742	SPV.0060	Special 201. Install Cast in Place Strut Channel	EACH	130.000			16.000			23.000		26.000	65.000
0744	SPV.0060	Special 301. Electrical Pull Box Type I	EACH	3.000		1.000							2.000
0746	SPV.0060	Special 302. Electrical Pull Box Type III	EACH	4.000		4.000							
0748	SPV.0060	Special 303. Electrical Pull Box Type V	EACH	58.000		52.000							6.000
0750	SPV.0060	Special 304. Electrical Pull Box Type VII	EACH	18.000		18.000							
0752	SPV.0060	Special 305. Concrete Bases Type GR	EACH	25.000		25.000							
0754	SPV.0060	Special 306. Concrete Bases Type LB-2	EACH	45.000									45.000
0756	SPV.0060	Special 307. Concrete Bases Type LB-3R	EACH	45.000		45.000							
0758	SPV.0060	Special 308. Concrete Bases Type LB-8R	EACH	2.000		2.000							
0760	SPV.0060	Special 309. Concrete Bases Type P	EACH	3.000		3.000							
0762	SPV.0060	Special 310. Concrete Base Type Offset	EACH	1.000		1.000							
0764	SPV.0060	Special 311. Transformer Bases 16-Inch Steel	EACH	6.000		6.000							
0766	SPV.0060	Special 312. Pole 30-Foot 11 Gauge Staggered Twin Mount	EACH	2.000		2.000							
0768	SPV.0060	Special 313. Pole 20-Foot, 7 Gauge	EACH	4.000		4.000							
0770	SPV.0060	Special 314. Pole 30-Foot, 7 Gauge Twin Mount	EACH	1.000		1.000							
0772	SPV.0060	Special 315. Pole 30-Foot, 11 Gauge Single Mount	EACH	10.000		10.000							
0774	SPV.0060	Special 316. Pole 30-Foot, 11 Gauge Twin Mount	EACH	33.000		33.000							
0776	SPV.0060	Special 317. USSL Luminaire and Mounting Bracket Type 1	EACH	10.000		10.000							
0778	SPV.0060	Special 318. USSL Luminaire and Mounting Bracket Type 2	EACH	68.000		68.000							
0780	SPV.0060	Special 320. Traffic Signal Trombone Arm 25-FT	EACH	2.000		2.000							

						5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	
0782	SPV.0060	Special 321. Traffic Signal Trombone Arm 12-FT	EACH	1.000	1.000								
0784	SPV.0060	Special 322. Traffic Signal Trombone Arm 18-FT	EACH	1.000	1.000								
0786	SPV.0060	Special 323. Traffic Signal Trombone Arm 22-FT	EACH	2.000	2.000								
0788	SPV.0060	Special 324. Traffic Signal Heads 12-Inch, 3-Section	EACH	34.000	34.000								
0790	SPV.0060	Special 325. Traffic Signal Heads 12-Inch, 4-Section	EACH	2.000	2.000								
0792	SPV.0060	Special 326. Traffic Signal Heads 16-Inch Pedestrian With Countdown	EACH	18.000	18.000								
0794	SPV.0060	Special 327. Backplates Signal Face, 3-Section 12-Inch	EACH	34.000	34.000								
0796	SPV.0060	Special 328. Backplates Signal Face, 4-Section 12-Inch	EACH	2.000	2.000								
0798	SPV.0060	Special 329. Install City Furnished Traffic Signal Control Cabinet and Controller	EACH	2.000	2.000								
0800	SPV.0060	Special 330. Optical Signal Preempt	EACH	2.000	2.000								
0802	SPV.0060	Special 331. Traffic Signal Ethernet Switch	EACH	2.000	2.000								
0804	SPV.0060	Special 332. No Right Turn Blank Out Sign	EACH	3.000	3.000								
0806	SPV.0060	Special 333. Lighting Control Cabinet	EACH	1.000	1.000								
0808	SPV.0060	Special 334. Non-Intrusive Detection System	EACH	2.000	2.000								
0810	SPV.0060	Special 335. Furnish & Install APS System (John Nolen Drive & North Shore Drive)	EACH	1.000	1.000								
0812	SPV.0060	Special 336. Furnish & Install APS System (John Nolen Drive & Broom Street)	EACH	1.000	1.000								
0814	SPV.0060	Special 337. Temporary Traffic Signals (John Nolen Drive & North Shore Drive)	EACH	1.000	1.000								
0816	SPV.0060	Special 338. Temporary Traffic Signals (John Nolen Drive & Broom Street)	EACH	1.000	1.000								
0818	SPV.0060	Special 339. Temporary Lighting, John Nolen Drive	EACH	1.000	1.000								
0820	SPV.0060	Special 340. Temporary Fiber, John Nolen Drive	EACH	1.000	1.000								
0822	SPV.0060	Special 341. Install 4" Bike Signal Head	EACH	6.000	6.000								
0824	SPV.0060	Special 342. Fiber Optic Fusion Splice - 1 to 12 Per Location	EACH	24.000	24.000								
0826	SPV.0060	Special 343. Fiber Optic Fusion Splice - 97 to 144 Per Location	EACH	576.000	576.000								
0828	SPV.0060	Special 344. Fiber Optic Fusion Splice - >144 Per Location	EACH	390.000	390.000								
0830	SPV.0060	Special 345. 24x24x12 Junction Box	EACH	6.000	6.000								
0832	SPV.0075	Special 001. Pavement Cleanup	HRS	500.000	500.000								
0834	SPV.0090	Special 001. Concrete Curb & Gutter 24-Inch Type A	LF	6,108.000	6,108.000								
0836	SPV.0090	Special 002. Concrete Curb & Gutter 24-Inch Type D	LF	13,256.000	13,256.000								
0838	SPV.0090	Special 003. Concrete Curb & Gutter 36-Inch Type A	LF	230.000	230.000								
0840	SPV.0090	Special 004. Concrete Curb & Gutter 24-Inch Special	LF	57.000	57.000								
0842	SPV.0090	Special 005. Sign Post	LF	143.000	27.000								116.000
0844	SPV.0090	Special 006. Reflective Sign Post	LF	759.000	759.000								
0846	SPV.0090	Special 007. Railroad Storm Sewer Box 3-FT X 6-FT	LF	81.000	81.000								
0848	SPV.0090	Special 008. Storm Sewer Box 3-FT X 6-FT	LF	153.000	153.000								
0850	SPV.0090	Special 009. Temporary Asphaltic Curb	LF	110.000	110.000								
0852	SPV.0090	Special 010. Fence Chain Link Polymer Coated	LF	2,787.000	2,787.000								
0854	SPV.0090	Special 011. Marking Stop Line Epoxy 24-Inch	LF	268.000	268.000								
0856	SPV.0090	Special 012. Furnish and Install Watermain Pipe & Fittings 12-Inch	LF	104.000	104.000								
0858	SPV.0090	Special 201. Piling CIP Concrete 18 X 0.50-Inch	LF	6,070.000		805.000	805.000	735.000	525.000	840.000	735.000	1,625.000	
0860	SPV.0090	Special 301. Loop Detector Lead In Cable Special	LF	4,967.000	4,967.000								
0862	SPV.0090	Special 302. Fiber Optic Cable 288-Count	LF	6,489.000	6,489.000								
0864	SPV.0090	Special 303. Electrical Wire Lighting 14-3 UF Grounded	LF	2,574.000	2,574.000								
0866	SPV.0090	Special 304. Cut in Bicycle Loop Detection	LF	994.000	994.000								
0868	SPV.0090	Special 305. Boring and Jacking Casing Pipe Smooth Steel 12-Inch	LF	153.000	153.000								
0870	SPV.0090	Special 306. Fiber Optic Cable 12-Count	LF	1,002.000	1,002.000								
0872	SPV.0090	Special 307. Fiber Optic Cable 24-Count	LF	29.000	29.000								
0874	SPV.0165	Special 001. Flat Stone Blocks	SF	4,420.000	4,420.000								
0876	SPV.0165	Special 002. Directional Guidance Plates	SF	2,908.000									2,908.000
0878	SPV.0165	Special 003. Steel Reinforced Concrete Sidewalk 7-Inch	SF	3,700.000									3,700.000

					5992-11-21	5992-11-22	5992-11-23	5992-11-24	5992-11-25	5992-11-26	5992-11-27	5992-11-28
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**	**Qty**
0880	SPV.0165	Special 004. Stamping Asphalt	SF	67.000								67.000
0882	SPV.0165	Special 005. Pavement Support System	SF	5,929.000	5,929.000							
0884	SPV.0165	Special 201. Cut Stone Boulders	SF	4,253.000								4,253.000
0886	SPV.0165	Special 202. Temporary Wall Wire Faced Mechanically Stabilized Earth	SF	763.000					352.000		411.000	
0888	SPV.0165	Special 203. Longitudinal Grooving Bridge Deck	SF	37,018.000		4,231.000	4,231.000	7,722.000	5,577.000	8,453.000	6,804.000	
0890	SPV.0180	Special 001. Enhanced Turbidity Barrier	SY	4,400.000	4,400.000							
0892	SPV.0180	Special 002. Impermeable Membrane	SY	219.000	219.000							
0894	SPV.0195	Special 001. Shoreline Revetment Stone	TON	20,510.000								20,510.000

3

CLEARING & GRUBBING

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	201.0105 CLEARING (STA)	201.0205 GRUBBING (STA)
5992-11-21	CATEGORY 0010					
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	6	6
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	5	5
			NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	3	3
		STAGE 1 SUBTOTAL			14	14
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	11	11
			JOHN NOLEN DRIVE	114+00 - 120+00	6	6
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-
		STAGE 4 SUBTOTAL			17	17
PROJECT 5992-11-21 TOTAL					31	31
PROPOSAL TOTAL					31	31

ABANDONING ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION	204.0265 ABANDONING WELLS (EA)	NOTES
5992-11-21	CATEGORY 0010					
		STAGE 3	JOHN NOLEN DRIVE	STA 114+65, RT	1	EXISTING MONITORING WELL IN PATH PAVEMENT
PROJECT 5992-11-21 TOTAL					1	
PROPOSAL TOTAL					1	

REMOVING ANCILLARY STRUCTURE

PROJECT	CATEGORY	STAGE	LOCATION	STATION	204.0246.001 REMOVING ANCILLARY STRUCTURE S-13-3007 (EA)	204.0246.002 REMOVING ANCILLARY STRUCTURE S-13-3006 (EA)	NOTES
5992-11-21	CATEGORY 0010						
		STAGE 1	JOHN NOLEN DRIVE	117+70	-	1	OVERHEAD SIGN SUPPORT
		STAGE 2	JOHN NOLEN DRIVE	117+96 'SB'	1	-	OVERHEAD SIGN SUPPORT
PROJECT 5992-11-21 TOTAL					1	1	
PROPOSAL TOTAL					1	1	

REMOVING SMALL PIPE CULVERTS

PROJECT	CATEGORY	STAGE	LOCATION	STATION	203.0100 REMOVING SMALL PIPE CULVERTS (EA)	NOTES
5992-11-21	CATEGORY 0010					
		STAGE 2	JOHN NOLEN DRIVE	97+47	1	REMOVING HALF OF PIPE - 18" CMCP
		STAGE 3	JOHN NOLEN DRIVE	97+47	1	REMOVING HALF OF PIPE - 18" CMCP
PROJECT 5992-11-21 TOTAL					2	
PROPOSAL TOTAL					2	

3

REMOVALS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	204.0100 REMOVING CONCRETE PAVEMENT (SY)	204.0110 REMOVING ASPHALTIC SURFACE (SY)	204.0150 REMOVING CURB AND GUTTER (LF)	204.0155 REMOVING CONCRETE SIDEWALK (SY)	204.0165 REMOVING GUARDRAIL (LF)	204.0185 REMOVING MASONRY (CY)	204.0195* REMOVING CONCRETE BASES (EA)	204.9090.S.003 REMOVING RAILING AND BASES (LF)	204.9060.S.001 REMOVING NAVIGATIONAL MARKERS (EA)
5992-11-21	CATEGORY 0010				ROADWAY								
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	365	-	618	-	1,278	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	58	-	426	36	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	369	-	870	118	-	-	-	-	-
			STAGE 1 SUBTOTAL		792	0	1,914	154	1,278	0	0	0	0
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	1,261	-	29	-	2,769	-	6	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	1,957	-	54	-	129	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	1,556	-	-	-	-	-	-	-	-
			STAGE 2 SUBTOTAL		4,774	0	83	0	2,898	0	6	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	1,654	-	237	258	-	-	-	-	-
			STAGE 2A SUBTOTAL		1,654	0	237	258	0	0	0	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	-	1,917	109	-	-	-	-	-
			STAGE 2B SUBTOTAL		0	0	1,917	109	0	0	0	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	1,361	466	6,446	383	439	-	-	368	6
			JOHN NOLEN DRIVE	114+00 - 120+00	2,005	-	235	27	-	5	1	77	-
			JOHN NOLEN DRIVE	120+00 - 131+00	3,391	-	-	6	-	-	1	-	-
			STAGE 3 SUBTOTAL		6,757	466	6,681	416	439	5	2	445	6
PROJECT 5992-11-21 TOTAL					13,977	466	10,832	937	4,615	5	8	445	6
PROPOSAL TOTAL					13,977	466	10,832	937	4,615	5	8	445	6

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

REMOVING STORM SEWER

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	204.0210 REMOVING MANHOLES (EACH)	204.0220 REMOVING INLETS (EACH)	204.0245.001* REMOVING STORMSEWER 29X45-INCH (LF)	204.0245.002 REMOVING STORMSEWER 24-INCH (LF)	204.0245.003 REMOVING STORMSEWER 21-INCH (LF)	204.0245.004 REMOVING STORMSEWER 18-INCH (LF)	204.0245.005 REMOVING STORMSEWER 15-INCH (LF)	204.0245.006 REMOVING STORMSEWER 12-INCH (LF)
5992-11-21	CATEGORY 0010											
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	5	-	-	-	-	-	36
			JOHN NOLEN DRIVE	120+00 - 131+00	-	7	-	-	231	-	-	35
		STAGE 1 SUBTOTAL			0	12	0	0	231	0	0	71
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	1	4	-	-	-	45	119	106
			JOHN NOLEN DRIVE	114+00 - 120+00	-	9	-	-	-	191	-	156
			JOHN NOLEN DRIVE	120+00 - 131+00	-	2	-	-	51	-	-	-
		STAGE 2 SUBTOTAL			1	15	0	0	51	236	119	262
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	2	4	126	-	-	-	86	119
		STAGE 2A SUBTOTAL			2	4	126	0	0	0	86	119
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	1	5	-	-	-	106	72	128
		STAGE 2B SUBTOTAL			1	5	0	0	0	106	72	128
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	8	18	-	-	-	451	175	376
			JOHN NOLEN DRIVE	114+00 - 120+00	1	4	-	208	-	72	49	-
			JOHN NOLEN DRIVE	120+00 - 131+00	3	5	104	-	-	-	122	74
		STAGE 3 SUBTOTAL			12	27	104	208	0	523	346	450
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	-	-	-	-	-	-
		STAGE 4 SUBTOTAL			0	0	0	0	0	0	0	0
PROJECT 5992-11-21 TOTAL					16	63	230	208	282	865	623	1,030
PROPOSAL TOTAL					16	63	230	208	282	865	623	1,030

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

EARTHWORK SUMMARY TABLE

PROJECT	CATEGORY	DIVISION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (CY) (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (CY) (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (CY) (4)	AVAILABLE MATERIAL (CY) (5)	EXPANDED EBS BACKFILL (CY) (6) FACTOR 1.25	312.0110** SELECT CRUSHED MATERIAL TON	UNEXPANDED FILL (CY)	EXPANDED FILL (CY) (7) FACTOR 1.25	MASS ORDINATE +/- (8)	WASTE (9)	COMMENT
5992-11-21	0010	1-1	CROSSOVER XA	528	54	77	451	68	128	0	0	451	451	
		1-2	CROSSOVER XB	348	34	64	284	43	81	0	0	284	284	
		1-3	TEMPORARY PAVT STAGE 1	394	37	0	394	46	88	0	0	394	394	
		1-4	TEMPORARY PAVT ISLANDS STAGE 1	158	17	0	158	21	40	0	0	158	158	
		2-1	JOHN NOLEN DRIVE SB	11,422	1,141	1,147	10,275	1,426	2,710	1,335	1,669	8,606	8,606	
		2A-1	BROOM STREET EB	497	50	62	435	63	119	2	3	433	433	
		2A-2	BROOM STREET WB	369	37	41	328	46	88	1	1	327	327	
		2A-5	TEMPORARY PAVT STAGE 2	195	19	0	195	24	45	0	0	195	195	
		2B-1	NORTH SHORE DRIVE EB	1,702	171	0	1,702	214	406	49	61	1,641	1,641	
		2B-2	NORTH SHORE DRIVE WB	1,327	132	0	1,327	165	314	30	38	1,290	1,290	
		2B-3	NORTH SHORE DRIVE WB	80	0	0	80	0	0	0	0	80	80	TERRACE EXCAVATON FOR TREE PLANTING
		3-1	JOHN NOLEN DRIVE NB	12,559	1,253	1,715	10,844	1,566	2,976	1,597	1,996	8,848	8,848	
		3-8	JOHN NOLEN DRIVE NB	2,486	0	0	2,486	0	0	0	0	2,486	2,486	TERRACE EXCAVATON FOR TREE PLANTING
		3-9	JOHN NOLEN DRIVE NB	512	53	0	512	66	126	0	0	512	512	FLAT STONE BLOCK WORK
		4-1	JOHN NOLEN DRIVE NB	129	11	0	129	14	26	16	20	109	109	
		4-2	JOHN NOLEN DRIVE SB	230	23	0	230	29	55	0	0	230	230	
			PROJECT 5992-11-21 TOTAL	32,936	3,032	3,106	29,830	3,790	7,201	3,030	3,788	26,043	26,043	
				35,968										
5992-11-28	0010	3-2*	JOHN NOLEN DRIVE NB - SHORELINE	9,132	0	0	0	0	0	508	635	-635	-635	EXCESS MATERIAL FROM DIVISION 3-1 USED AS FILL
		3-7*	SOUTH SHORELINE	233	0	0	0	0	0	17	21	-21	-21	EXCESS MATERIAL FROM DIVISION 3-1 USED AS FILL
			CATEGORY 0010 SUBTOTAL	9,365	0	0	0	0	0	525	656	-656	-656	
				9,365										
5992-11-28	0050	2-3	NORTH SHORE DRIVE WB - PATH	17	1	0	17	1	2	101	126	-109	-109	EXCESS MATERIAL FROM DIVISION 2B-2 USED AS FILL
		2-4	BIKE PATH NORTH SHORE DRIVE	79	7	0	79	9	17	56	70	9	9	
		2-5	BIKE PATH BASSETT ST CONN.	17	1	0	17	1	2	45	56	-39	-39	EXCESS MATERIAL FROM DIVISION 2B-2 USED AS FILL
		2A-3	BROOM STREET EB - PATH	45	4	34	11	5	10	2	3	9	9	
		2A-4	BROOM STREET WB - PATH	69	6	41	28	8	14	7	9	19	19	
		2B-3	NORTH SHORE DRIVE EB - PATH	44	4	0	44	5	10	59	74	-30	-30	EXCESS MATERIAL FROM DIVISION 2B-1 USED AS FILL
		2B-4	NORTH SHORE DRIVE WB - PATH	52	5	0	52	6	12	65	81	-29	-29	EXCESS MATERIAL FROM DIVISION 2B-2 USED AS FILL
		2B-5	JOHN NOLEN DRIVE SB - PATH	223	21	124	99	26	50	424	530	-431	-431	EXCESS MATERIAL FROM DIVISION 2-1 USED AS FILL
		3-3	JOHN NOLEN DRIVE NB - PATH	1,798	175	0	1,798	219	416	1,733	2,166	-368	-368	EXCESS MATERIAL FROM DIVISION 3-1 USED AS FILL
		3-4	CAPITAL CITY TRAIL	452	44	0	452	55	105	499	624	-172	-172	EXCESS MATERIAL FROM DIVISION 3-1 USED AS FILL
		3-5	FISHING DOCK	60	7	0	60	9	17	0	0	60	60	
		3-6	FISHING DOCK OUT	9	0	0	9	0	0	0	0	9	9	
			CATEGORY 0050 SUBTOTAL	2,865	275	199	2,666	344	653	2,991	3,739	-1,073	-1,073	
				3,140										
			PROJECT 5992-11-28 TOTAL	2,865	275	199	2,666	344	653	3,516	4,395	-1,729	-1,729	
				3,140										
GRAND TOTAL				35,801	3,307	3,305	32,496	4,134	**7,854**	6,546	8,183	24,314	24,314	
			TOTAL COMMON EXC	**39,108**										

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(6) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL FACTOR = 1.25. ITEM NUMBER 312.0110
(7) EXPANDED FILL FACTOR = 1.25
(8) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(9) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.
*SHOWN FOR INFORMATION ONLY. EXCAVATION FOR SHORELINE REVETMENT IS PAID UNDER THE SHORELINE REVETMENT STONE ITEM.
**ADDITIONAL QUANTITY SHOWN ELSEWHERE. SEE "BASE AGGREGATE AND SELECT CRUSHED ITEMS" TABLE

PROJECT ITEMS

PROJECT	CATEGORY	LOCATION	213.0100.001 FINISHING ROADWAY 5992-11-21 (EA)	213.0100.002 FINISHING ROADWAY 5992-11-28 (EA)	618.0100.001 MAINTENANCE AND REPAIR OF HAUL ROADS 5992-11-21 (EA)	619.1000 MOBILIZATION (EA)	642.5401 FIELD OFFICE TYPE D (EA)	643.5000 TRAFFIC CONTROL (EA)
5992-11-21	CATEGORY 0010							
		PROJECT	1	-	1	0.41	1	1
PROJECT 5992-11-21 TOTAL			1	0	1	0.41	1	1
5992-11-22	CATEGORY 0010							
		PROJECT	-	-	-	0.04	-	-
PROJECT 5992-11-22 TOTAL			0	0	0	0.04	0	0
5992-11-23	CATEGORY 0010							
		PROJECT	-	-	-	0.04	-	-
PROJECT 5992-11-23 TOTAL			0	0	0	0.04	0	0
5992-11-24	CATEGORY 0010							
		PROJECT	-	-	-	0.06	-	-
PROJECT 5992-11-24 TOTAL			0	0	0	0.06	0	0
5992-11-25	CATEGORY 0010							
		PROJECT	-	-	-	0.06	-	-
PROJECT 5992-11-25 TOTAL			0	0	0	0.06	0	0
5992-11-26	CATEGORY 0010							
		PROJECT	-	-	-	0.07	-	-
PROJECT 5992-11-26 TOTAL			0	0	0	0.07	0	0
5992-11-27	CATEGORY 0010							
		PROJECT	-	-	-	0.07	-	-
PROJECT 5992-11-27 TOTAL			0	0	0	0.07	0	0
5992-11-28	CATEGORY 0010							
		SHORELINE REVETMENT	-	-	-	0.10	-	-
		CATEGORY 0010 TOTAL	0	0	0	0.10	0	0
	CATEGORY 0050							
		PATHWAYS	-	1	-	0.15	-	-
		CATEGORY 0050 TOTAL	0	1	0	0.15	0	0
PROJECT 5992-11-28 TOTAL			0	1	0	0.25	0	0
PROPOSAL TOTAL			1	1	1	1.00	1	1

BASE AGGREGATE & SELECT CRUSH ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH (TON)	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH (TON)	312.0110* SELECT CRUSHED MATERIAL (TON)	645.0220 GEOGRID TYPE SR (SY)
5992-11-21	CATEGORY 0010							
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	-	10,738	5,876	9,794
			JOHN NOLEN DRIVE	114+00 - 120+00	-	611	943	1,571
			JOHN NOLEN DRIVE	120+00 - 131+00	-	541	834	1,391
		STAGE 2 SUBTOTAL			0	11,890	7,653	12,756
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	1,245	1,225	2,041
		STAGE 2A SUBTOTAL			0	1,245	1,225	2,041
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	3,936	3,077	5,129
		STAGE 2B SUBTOTAL			0	3,936	3,077	5,129
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	10,902	5,893	9,822
			JOHN NOLEN DRIVE	114+00 - 120+00	-	1,241	1,858	3,097
			JOHN NOLEN DRIVE	120+00 - 131+00	-	1,250	1,877	3,129
		STAGE 3 SUBTOTAL			0	13,393	9,628	16,048
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	-	689	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	30	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	283	174	291
		STAGE 4 SUBTOTAL			0	1,002	174	291
PROJECT 5992-11-21 TOTAL					0	31,466	21,757	36,265
5992-11-28	CATEGORY 0050							
		STAGE 1	CAPITAL CITY TRAIL	STORM SEWER PATCHES	-	43	-	-
		STAGE 2A SUBTOTAL			0	43	0	0
		STAGE 2	BIKE PATH NORTH SHORE DR	10+22 'BPN' - 16+50 'BPN'	-	547	-	-
		STAGE 2 SUBTOTAL			0	547	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	95	-	-
		STAGE 2A SUBTOTAL			0	95	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	668	-	-
		STAGE 2B SUBTOTAL			0	668	0	0
		STAGE 3	CAPITAL CITY TRAIL	69+79 'CT' - 114+00 'CT'	403	4,777	-	-
			CAPITAL CITY TRAIL	114+00 'CT' - 120+00 'CT'	78	737	-	-
			CAPITAL CITY TRAIL	120+00 'CT' - 131+00 'CT'	31	358	-	-
			FISHING DOCK	415+29 'FD' - 415+56 'FD'	-	50	-	-
		STAGE 3 SUBTOTAL			512	5,922	0	0
		CATEGORY 0050 TOTAL			512	7,275	0	0
PROJECT 5992-11-28 TOTAL					512	7,275	0	0
PROPOSAL TOTAL					512	38,741	21,757	36,265

*BID ITEMS LISTED ELSEWHERE SEE "TEMPORARY PAVEMENT ITEMS" AND "EARTHWORK SUMMARY TABLE"

CONCRETE PAVEMENT GAPS

PROJECT	CATEGORY	STAGE	LOCATION	415.0210 CONCRETE PAVEMENT GAPS (EACH)	REMARKS
5992-11-21	CATEGORY 0010				
		STAGE 2A	JOHN NOLEN DRIVE	1	PEDESTRIAN CROSSING
		STAGE 2B	JOHN NOLEN DRIVE	1	PEDESTRIAN CROSSING
PROJECT 5992-11-21 TOTAL				**2**	

3

CONCRETE PAVEMENT

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	405.0100 COLORING CONCRETE WISDOT RED (CY)	415.0090 CONCRETE PAVEMENT 9-INCH (SY)	415.0095 CONCRETE PAVEMENT 9 1/2-INCH (SY)	415.0410 CONCRETE PAVEMENT APPROACH SLAB (SY)	415.1095 CONCRETE PAVEMENT HES 9 1/2-INCH (SY)	415.2010 CONCRETE TRUCK APRON 12-INCH (SY)	416.0610 DRILLED TIE BARS (EACH)	416.0620 DRILLED DOWEL BARS (EACH)
5992-11-21	CATEGORY 0010											
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	195	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	1,257	47	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	1,085	-	-	-	-	24
		STAGE 2 SUBTOTAL			0	0	2,342	242	0	0	0	24
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	-	1,049	-	-	-	-	-
		STAGE 2A SUBTOTAL			0	0	1,049	0	0	0	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	18	-	1,351	-	-	24	-	-
		STAGE 2B SUBTOTAL			18	0	1,351	0	0	24	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	235	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	2,400	64	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	2,331	-	72	-	-	24
		STAGE 3 SUBTOTAL			0	0	4,731	299	72	0	0	24
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	-	306	-	-	-	-	286	16
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	234	-	-	-	125	16
		STAGE 4 SUBTOTAL			0	306	234	0	0	0	411	32
PROJECT 5992-11-21 TOTAL					18	306	9,707	541	72	24	411	80
PROPOSAL TOTAL					18	306	9,707	541	72	24	411	80

HMA ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	455.0605* TACK COAT (GAL)	460.5224 HMA PAVEMENT 4 LT 58-28 S (TON)	460.6223 HMA PAVEMENT 3 MT 58-28 S (TON)	460.6424 HMA PAVEMENT 4 MT 58-28 H (TON)	495.1000.S COLD PATCH (TON)
5992-11-21	CATEGORY 0010								
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	487	-	1,946	-	-
		STAGE 2 SUBTOTAL			487	0	1,946	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	43	-	137	69	-
		STAGE 2A SUBTOTAL			43	0	137	69	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	160	-	514	321	-
		STAGE 2B SUBTOTAL			160	0	514	321	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	968	-	1,936	871	-
		STAGE 3 SUBTOTAL			968	0	1,936	871	0
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	487	-	-	876	-
		STAGE 4 SUBTOTAL			487	0	0	876	0
			UNDISTRUBITED		-	-	-	-	5
PROJECT 5992-11-21 TOTAL					2,145	0	4,533	2,137	5
	CATEGORY 0050								
		STAGE 2	BIKE PATH NORTH SHORE DR	10+22 'BPN' - 16+50 'BPN'	-	145	-	-	-
		STAGE 2 SUBTOTAL			0	145	0	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	11	-	-	-
		STAGE 2A SUBTOTAL			0	11	0	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	163	-	-	-
		STAGE 2B SUBTOTAL			0	163	0	0	0
		STAGE 3	CAPITAL CITY TRAIL	69+79 'CT' - 114+00 'CT'	-	709	-	-	-
			CAPITAL CITY TRAIL	114+00 'CT' - 120+00 'CT'	-	112	-	-	-
			CAPITAL CITY TRAIL	120+00 'CT' - 131+00 'CT'	-	50	-	-	-
			FISHING DOCK	415+29 'FD' - 415+56 'FD'	-	15	-	-	-
		STAGE 3 SUBTOTAL			0	886	0	0	0
		CATEGORY 0050 TOTAL			0	1,205	0	0	0
PROJECT 5992-11-28 TOTAL					0	1,205	0	0	0
PROPOSAL TOTAL					2,145	1,205	4,533	2,137	5

*BID ITEMS LISTED ELSEWHERE SEE "TEMPORARY PAVEMENT ITEMS"

3

TEMPORARY PAVEMENT ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING (SY)	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH (TON)	455.0605* TACK COAT (GAL)	465.0125 ASPHALTIC SURFACE TEMPORARY (TON)	611.8120.S COVER PLATES TEMPORARY (EACH)	SPV.0090.009 TEMPORARY ASPHALTIC CURB (LF)
5992-11-21	CATEGORY 0010									
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	--	794	--	340	1	40
			JOHN NOLEN DRIVE	114+00 - 120+00	--	411	--	182	15	30
			JOHN NOLEN DRIVE	120+00 - 131+00	--	689	--	298	1	40
		STAGE 1 SUBTOTAL			0	1,894	0	820	17	110
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	--	--	301	302	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	--	--	--	--	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--	--	--
		STAGE 2 SUBTOTAL			0	0	301	302	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	--	342	--	148	--	--
		STAGE 2A SUBTOTAL			0	342	0	148	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	--	84	--	--	--	--
		STAGE 2B SUBTOTAL			0	84	0	0	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	--	--	--	--	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	--	--	--	--	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--	--	--
		STAGE 3 SUBTOTAL			0	0	0	0	0	0
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	4310	--	--	--	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	--	--	--	--	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--	--	--
		STAGE 4 SUBTOTAL			4,310	0	0	0	0	0
PROJECT 5992-11-21 TOTAL					4,310	2,320	301	1,270	17	110
PROPOSAL TOTAL					4,310	2,320	301	1,270	17	110

*BID ITEMS LISTED ELSEWHERE SEE "BASE AGGREGATE DENSE" & "HMA ITEMS"

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CONCRETE CURB & GUTTER

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	601.0581 4-INCH SLOPED 30-INCH TYPE R (LF)	601.0600 CONCRETE CURB PEDESTRIAN (LF)	SPV.0090.001 24-INCH TYPE A (LF)	SPV.0090.002 24-INCH TYPE D (LF)	SPV.0090.003 36-INCH TYPE A (LF)	SPV.0090.004 24-INCH SPECIAL (LF)
5992-11-21	CATEGORY 0010									
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	61	5,876	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	3	-	785	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	605	-	-	-
		STAGE 2 SUBTOTAL			3	0	1,451	5,876	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	27	206	203	-	57
		STAGE 2A SUBTOTAL			0	27	206	203	0	57
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	79	99	640	1,427	-	-
		STAGE 2B SUBTOTAL			79	99	640	1,427	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	0	5,750	18	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	1,095	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	1,330	-	212	-
		STAGE 3 SUBTOTAL			0	0	2,425	5,750	230	0
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	832	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	24	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	54	554	-	-	-
		STAGE 4 SUBTOTAL			0	78	1,386	0	0	0
PROJECT 5992-11-21 TOTAL					82	204	6,108	13,256	230	57
PROPOSAL TOTAL					82	204	6,108	13,256	230	57

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CONCRETE BARRIER TEMPORARY PRECAST

					603.8000	603.8125	603.8500	603.8505
							ANCHORING	ANCHORING
					CONCRETE BARRIER TEMPORARY PRECAST			
PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	DELIVERED (LF)	INSTALLED (LF)	(LF)	ON BRIDGE DECKS (LF)
5992-11-21	CATEGORY 0010							
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	--	--	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	--	--	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--
		STAGE 1 SUBTOTAL			0	0	0	0
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	275	275	125	150
			JOHN NOLEN DRIVE	114+00 - 120+00	363	363	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--
		STAGE 2 SUBTOTAL			638	638	125	150
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	--	--	--	--
		STAGE 2A SUBTOTAL			0	0	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	--	--	--	--
		STAGE 2B SUBTOTAL			0	0	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	300	300	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	850	850	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--
		STAGE 3 SUBTOTAL			1,150	1,150	0	0
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	--	--	--	--
			JOHN NOLEN DRIVE	114+00 - 120+00	--	--	--	--
			JOHN NOLEN DRIVE	120+00 - 131+00	--	--	--	--
		STAGE 4 SUBTOTAL			0	0	0	0
PROJECT 5992-11-21 TOTAL					1,788	1,788	125	150
PROPOSAL TOTAL					1,788	1,788	125	150

CONCRETE SIDEWALK & DETECTABLE WARNING FIELDS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	405.1000 STAMPING COLORED CONCRETE (CY)	602.0410 CONCRETE SIDEWALK 5-INCH (SF)	602.0420 CONCRETE SIDEWALK 7-INCH (SF)	SPV.0165.003 STEEL REINFORCED CONCRETE SIDEWALK 7-INCH (SF)	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA (SF)	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA (SF)	SPV.0165.002 DIRECTIONAL GUIDANCE PLATES (SF)
5992-11-21	CATEGORY 0010										
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	5	130	-	-	70	-	-
			STAGE 2A SUBTOTAL		5	130	0	0	70	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	28	1,384	-	-	238	-	-
			STAGE 2B SUBTOTAL		28	1,384	0	0	238	0	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	226	-	-	38	38	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	375	-	-	60	-	-
			STAGE 3 SUBTOTAL		0	601	0	0	98	38	0
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	196	-	-	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	46	-	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	-	-	-	-	-
			STAGE 4 SUBTOTAL		242	0	0	0	0	0	0
PROJECT 5992-11-21 TOTAL					275	2,115	0	0	406	38	0
5992-11-28	CATEGORY 0050										
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	1,530	-	-	104	88	-
			STAGE 2A SUBTOTAL		0	1,530	0	0	104	88	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	1,128	-	-	92	72	-
			STAGE 2B SUBTOTAL		0	1,128	0	0	92	72	0
		STAGE 3	CAPITAL CITY TRAIL	69+79 'CT' - 114+00 'CT'	-	467	27,540	2,657	136	-	2,072
			CAPITAL CITY TRAIL	114+00 'CT' - 120+00 'CT'	-	-	5,625	1,043	76	-	582
			CAPITAL CITY TRAIL	120+00 'CT' - 131+00 'CT'	-	-	3,405		60	-	254
			FISHING DOCK	415+29 'FD' - 415+56 'FD'	-	-	-		-	-	-
			STAGE 3 SUBTOTAL		0	467	36,570	3,700	272	0	2,908
		CATEGORY 0050 TOTAL			0	3,125	36,570	3,700	468	160	2,908
PROJECT 5992-11-28 TOTAL					0	3,125	36,570	3,700	468	160	2,908
PROPOSAL TOTAL					275	5,240	36,570	3,700	874	198	2,908

TEMPORARY STORM SEWER COVERS

PROJECT	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	204.9060.S.005 REMOVING INLET COVERS EACH	611.0651 INLET COVERS TYPE S EACH
5992-11-21	CATEGORY 0010							
		STAGE 1	127.9	127+18.65	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'	1	1
			127.10	127+05.19	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'	1	1
						STAGE 1 SUBTOTAL	2	2
PROJECT 5992-11-21 TOTAL							**2**	**2**

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

TEMPORARY STORM SEWER PIPES

PROJECT	CATEGORY	STAGE	FROM* STA	FROM* OFFSET	FROM* ALI	FROM* ELEV	TO* STA	TO* OFFSET	TO* ALI	TO* ELEV	SLOPE FT/FT	204.0245.001*** REMOVING STORMSEWER 29X45-INCH LF	204.9090.S.004 REMOVING UNDERDRAIN 6-INCH LF	520.2015 CULVERT PIPE TEMPORARY 15-INCH LF	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	520.2024 CULVERT PIPE TEMPORARY 24-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	608.2329 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPITICAL CLASS HE-III 29x45-INCH LF	520.8000*** CONCRETE COLLARS FOR PIPE	REMARKS
5992-11-21	CATEGORY 0010																			
		STAGE 1	83+79.56	0.23' LT	'NB'	844.07	83+79.56	75.48' RT	'NB'	843.86	0.0028	---	---	---	---	76	---	---	1	
			94+47.19	6.00' RT	'NB'	845.60	94+47.19	77.26' RT	'NB'	844.85	0.0104	---	---	72	---	---	---	---	1	CONCRETE COLLAR INSTALLED IN STAGE 2
			99+75.00	6.00' RT	'NB'	845.40	99+75.00	83.70' RT	'NB'	844.60	0.0103	--	---	---	78	---	---	---	1	CONCRETE COLLAR INSTALLED IN STAGE 2
			114+70.05	4.90' LT	'NB'	846.24	114+70.08	79.10' RT	'NB'	844.85	0.0165	---	---	84	---	---	---	---	1	CONCRETE COLLAR INSTALLED IN STAGE 2B
											STAGE 1 SUBTOTALS	0	0	156	78	76	0	0	4	
		STAGE 2	97+46.30	4.69' RT	'NB'	845.43	97+46.27	9.41' RT	'NB'	845.07	0.0600	---	---	6	---	---	---	---	2	
			109+20.79	10.98' RT	'NB'	850.81	108+83.85	13.45' RT	'NB'	845.60**	SLOPE TO DRAIN	---	36	---	---	---	36	---	1	
			111+71.87	5.89' RT	'NB'	849.47	112+07.32	8.09' RT	'NB'	845.60**	SLOPE TO DRAIN	---	36	---	---	---	36	---	1	
											STAGE 2 SUBTOTALS	0	72	6	0	0	72	0	4	
		STAGE 2A	120+80.78	14.69' LT	'NB'	845.99	120+74.88	5.92' LT	'NB'	845.16	0.0782	12	---	---	---	---	---	12	2	
											STAGE 2A SUBTOTALS	12	0	0	0	0	0	12	2	
PROJECT 5992-11-21 TOTAL												**12**	**72**	**162**	**78**	**76**	**72**	**12**	**10**	

*LOCATIONS ARE TO END OF PIPE

**LAKE MONONA NORMAL WATER ELEVATION INCLUDED AS REFERENCE

***ADDITIONAL QUANTITES SHOWN ELSEWHERE

STORM SEWER STRUCTURES

PROJECT	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH***** EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLETS COVERS TYPE T EACH	611.0654 INLETS COVERS TYPE V EACH	611.0666 INLETS COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.013 INLET COVER TYPE H SPECIAL EACH	SPV.0060.014 INLET COVER TYPE H-S SPECIAL EACH	SPV.0060.015 MANHOLE COVER TYPE J SPECIAL EACH	SPV.0060.024 UTILITY LINE OPENING***** EACH	SPV.0060.027 CATCH BASINS 6-FT X 6-FT EACH	SPV.0060.028 CATCH BASINS 6-FT X 10-FT EACH	SPV.0060.029 MANHOLES 6-FT X 10-FT EACH	RIM** ELEVATION	TOP OF STRUCTURE BASE*** ELEVATION	DEPTH**** FT	REMARKS
5992-11-21	CATEGORY 0010																																	
		STAGE 1	83.5	83+79.56	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'											1								1							850.55	843.79	6.01	
			119.0	119+48.17	82.36' RT	JOHN NOLEN DRIVE NB - 'NB'		1																									844.85		
			119.1	119+42.68	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																			2		1				852.20	842.63	8.33	
			119.2	119+41.80	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'															1			1							852.21	845.55	5.83	
			119.3	119+32.74	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'															1			1							852.26	848.39	3.04	
			119.6	119+50.86	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'															1			1							852.26	848.83	2.59	
			119.7	119+41.80	22.00' LT	JOHN NOLEN DRIVE NB - 'NB'													1					1							852.21	846.48	4.89	
			119.8	119+50.74	22.00' LT	JOHN NOLEN DRIVE NB - 'NB'															1			1							852.25	849.61	1.80	
			119.9	119+32.86	22.00' LT	JOHN NOLEN DRIVE NB - 'NB'													1					1							852.26	846.62	4.81	
			119.10	119+32.40	28.00' LT	JOHN NOLEN DRIVE NB - 'NB'															1			1							852.27	846.71	4.73	
			123.0	123+95.86	131.44' RT	JOHN NOLEN DRIVE SB - 'SB'				1																						843.48		
			123.1	123+86.86	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																			2		1				851.26	840.71	9.32	
			127.0	127+18.12	127.70' RT	JOHN NOLEN DRIVE NB - 'NB'				1																						844.00		
			127.1	127+19.14	32.45' RT	JOHN NOLEN DRIVE NB - 'NB'																			2		1				850.39	841.29	7.86	
			127.2	127+19.22	24.36' RT	JOHN NOLEN DRIVE NB - 'NB'											1								1						849.46	844.02	4.69	
			127.9	127+18.65	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'													1					1							849.51	845.08	3.59	
			127.10	127+05.19	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'															1			1							849.45	846.03	2.58	
			127.11	127+38.08	0.92' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								850.26	845.26	4.16	
					STAGE 1 SUBTOTAL		0	1	0	2	0	0	0	0	0	0	2	0	0	4	0	6	0	1	11	6	0	3	0	0				
		STAGE 2	11.8	11+85.21	96.17' LT	NORTH SHORE DRIVE WB - 'NSW'					1												1								848.23	845.78	2.45	
			11.9	12+12.47	86.95' LT	NORTH SHORE DRIVE WB - 'NSW'					1												1								848.33	845.93	2.40	
			83.6	83+79.50	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								850.13	845.93	3.36	
			83.7	82+67.24	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1					1							849.99	844.41	4.75	FIELD POUR
			83.8	82+67.24	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							849.57	844.80	3.94	
			83.9	82+76.24	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							849.62	845.38	3.40	
			83.10	82+58.24	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							849.62	845.38	3.40	
			83.11	82+09.79	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								850.29	844.97	4.49	FIELD POUR
			83.12	82+09.79	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								849.87	845.63	3.41	
			83.14	80+39.93	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								851.18	846.09	4.26	FIELD POUR
			83.15	80+39.93	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								850.78	846.47	3.47	
			83.18	79+13.01	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'															1		1								851.84	846.99	4.01	FIELD POUR
			83.19	79+13.01	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								851.68	847.45	3.39	
			83.21	85+49.79	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								851.40	845.85	4.72	FIELD POUR
			83.22	85+49.79	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								850.98	846.58	3.57	
			83.24	87+19.86	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'															1		1								852.25	846.97	4.45	FIELD POUR
			83.25	87+19.86	25.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								851.77	847.49	3.45	
			83.28	87+68.27	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								852.50	847.21	4.46	
			83.29	87+80.27	25.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								852.08	847.35	3.89	
			94.5	94+47.19	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'													1					1							851.09	845.46	4.80	
			94.6	94+46.72	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'											1								1						851.09	845.51	4.83	FIELD POUR
			94.7	94+46.72	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							850.67	846.30	3.53	
			94.8	94+37.89	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							850.71	846.48	3.39	
			94.9	94+55.55	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1			1							850.71	846.48	3.39	
			94.10	92+74.37	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								851.95	846.76	4.35	FIELD POUR
			94.11	92+74.37	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								851.53	847.34	3.36	
			94.13	91+03.32	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'															1		1								852.81	847.62	4.36	
			94.14	91+03.32	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'															1		1								852.39	848.19	3.36	
			94.15	91+03.18	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'															1		1								852.80	847.74	4.23	
			94.17	96+23.33	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'													1				1								851.97	846.78	4.35	

STORM SEWER STRUCTURES CONTINUED

PROJECT	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH***** EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.013 INLET COVER TYPE H SPECIAL EACH	SPV.0060.014 INLET COVER TYPE H-S SPECIAL EACH	SPV.0060.015 MANHOLE COVER TYPE J SPECIAL EACH	SPV.0060.024 UTILITY LINE OPENING***** EACH	SPV.0060.027 CATCH BASINS 6-FT X 6-FT EACH	SPV.0060.028 CATCH BASINS 6-FT X 10-FT EACH	SPV.0060.029 MANHOLES 6-FT X 10-FT EACH	RIM** ELEVATION	TOP OF STRUCTURE BASE*** ELEVATION	DEPTH**** FT	
5992-11-21	CATEGORY 0010																																	
		STAGE 2	94.18	96+23.33	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								851.55	847.36	3.36	
			99.5	99+75.00	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'											1							1								851.23	845.22	5.26	FIELD POUR
			99.6	99+58.26	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								851.31	845.93	4.55	FIELD POUR
			99.7	99+58.26	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								850.89	846.28	3.78	
			99.8	99+49.43	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								850.94	846.73	3.38	
			99.9	99+67.09	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								850.94	846.73	3.38	
			99.10	98+05.94	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								852.07	846.96	4.28	
			99.11	98+05.94	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								851.65	847.42	3.40	
			99.13	101+53.15	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								852.29	846.35	5.11	FIELD POUR
			99.14	101+53.15	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								851.87	847.64	3.40	
			99.16	103+23.15	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								853.14	847.20	5.11	FIELD POUR
			99.17	103+23.15	22.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.72	848.49	3.40	
			99.18	103+16.97	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1		1								852.94	847.86	4.25	
			99.20	104+93.36	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								853.99	848.32	4.84	FIELD POUR
			99.21	104+93.58	23.46' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1			1					853.54	849.33	3.38	
			99.23	106+63.35	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1								854.84	849.17	4.84	FIELD POUR
			99.24	106+63.35	25.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								854.36	849.64	3.89	
			99.25	106+99.74	25.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								854.54	849.91	3.80	
			99.26	106+57.52	5.68' LT	JOHN NOLEN DRIVE NB - 'NB'																1		1								854.74	849.50	4.41	
			109.2	109+27.64	2.73' RT	JOHN NOLEN DRIVE SB - 'SB'					1												1									856.35	850.77	5.58	
			109.3	109+34.82	29.68' LT	JOHN NOLEN DRIVE SB - 'SB'					1												1									855.79	850.93	4.86	
			111.2	111+74.13	11.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1		1								855.40	849.89	4.68	
			111.3	111+83.26	4.00' RT	JOHN NOLEN DRIVE SB - 'SB'																1		1								855.25	849.92	4.50	
			111.4	111+83.58	25.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1			1					854.71	850.06	3.82	
			119.11	119+32.40	62.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1				1						851.63	847.22	3.58	
			119.12	119+23.56	62.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1				1						851.68	847.67	3.18	
			119.13	118+46.71	33.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.13	848.12	3.17	
			119.14	117+46.99	33.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.63	848.87	2.92	
			119.15	116+96.73	33.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.89	849.25	2.81	
			119.16	118+49.97	67.67' LT	JOHN NOLEN DRIVE SB - 'SB'					1												1									850.52	848.30	2.22	
			119.17	119+41.25	62.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1				1						851.68	848.23	2.61	
			123.2	124+12.24	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'											1							1								850.65	843.59	6.31	
			123.3	124+16.60	33.02' LT	JOHN NOLEN DRIVE SB - 'SB'											1							1								850.15	844.03	5.37	
			123.4	122+78.60	33.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								851.02	847.14	3.05	
			123.5	122+14.62	33.00' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								851.66	847.94	2.88	
			123.6	124+95.72	35.35' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								849.68	846.19	2.66	
			STAGE 2 SUBTOTAL				0	0	0	0	5	0	0	0	0	0	4	0	0	14	0	43	5	44	17	0	2	0	0	0					
		STAGE 2A	120.2	120+67.61	22.54' LT	JOHN NOLEN DRIVE NB - 'NB'														1				1								852.73	847.82	4.07	
			120.3	120+81.54	1.00' RT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.64	847.88	3.93	
			120.4	121+09.75	38.06' LT	JOHN NOLEN DRIVE SB - 'SB'																			1					1		852.38	845.34	5.80	FIELD POUR
			120.5	120+78.54	60.18' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													852.42	848.78	2.64	
			120.6	120+64.87	43.06' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													852.49	848.89	2.60	
			120.7	121+28.56	39.73' LT	JOHN NOLEN DRIVE SB - 'SB'																1		1								852.03	848.62	2.57	
			120.8	121+16.80	57.10' LT	JOHN NOLEN DRIVE SB - 'SB'																1				1						852.05	848.37	2.85	
			120.9	700+98.92	7.16' RT	BROOM STREET WB - 'BSW'																			1					1		852.34	845.34	5.76	FIELD POUR
			120.10	700+98.92	24.35' RT	BROOM STREET EB - 'BSE'																1				1						851.96	847.57	3.55	
			120.11	700+89.94	23.86' RT	BROOM STREET EB - 'BSE'																1				1						852.01	847.93	3.24	
			120.12	701+04.68	24.73' LT	BROOM STREET WB - 'BSW'																1				1						851.97	847.54	3.59	
			120.13	701+13.66	25.38' LT	BROOM STREET WB - 'BSW'																1				1						852.02	847.91	3.28	
			STAGE 2A SUBTOTAL				0	0	0	0	0	0	0	2	0	0	0	0	2	1	0	7	0	3	5	2	0	0	0	2					

STORM SEWER STRUCTURES CONTINUED

PROJECT	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH***** EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.013 INLET COVER TYPE H SPECIAL EACH	SPV.0060.014 INLET COVER TYPE H-S SPECIAL EACH	SPV.0060.015 MANHOLE COVER TYPE J SPECIAL EACH	SPV.0060.024 UTILITY LINE OPENING***** EACH	SPV.0060.027 CATCH BASINS 6-FT X 6-FT EACH	SPV.0060.028 CATCH BASINS 6-FT X 10-FT EACH	SPV.0060.029 MANHOLES 6-FT X 10-FT EACH	RIM** ELEVATION	TOP OF STRUCTURE BASE*** ELEVATION	DEPTH**** FT	
5992-11-21	CATEGORY 0010																																			
		STAGE 2B	10.0	10+15.11	68.51' RT	NORTH SHORE DRIVE EB - 'NSE'	1																											845.10		
			10.1	10+17.49	25.60' RT	NORTH SHORE DRIVE EB - 'NSE'															1		1								850.62	845.58	4.21	
			10.2	10+17.50	1.00' LT	NORTH SHORE DRIVE EB - 'NSE'														1			1								850.95	845.98	4.14	
			10.3	10+22.52	1.01' RT	NORTH SHORE DRIVE WB - 'NSW'														1			1								850.86	846.56	3.46	
			10.4	10+22.24	25.04' LT	NORTH SHORE DRIVE WB - 'NSW'																1	1								851.51	846.95	3.72	
			11.0	11+39.89	34.32' RT	NORTH SHORE DRIVE EB - 'NSE'																1	1								851.24	846.28	4.13	
			11.1	11+40.11	1.00' LT	NORTH SHORE DRIVE EB - 'NSE'																1	1								851.90	846.46	4.61	
			11.2	11+76.08	1.00' RT	NORTH SHORE DRIVE WB - 'NSW'																1	1								851.86	846.55	4.48	
			11.3	11+74.36	22.00' LT	NORTH SHORE DRIVE WB - 'NSW'																1	1								852.26	846.66	4.77	
			11.4	12+79.06	22.00' RT	NORTH SHORE DRIVE EB - 'NSE'														1			1								853.11	848.08	4.20	
			11.5	13+59.25	1.01' RT	NORTH SHORE DRIVE WB - 'NSW'														1			1								853.17	848.48	3.85	
			11.6	13+74.36	36.16' LT	NORTH SHORE DRIVE WB - 'NSW'														1			1								853.08	848.79	3.46	
			114.6	114+70.08	11.00' LT	JOHN NOLEN DRIVE NB - 'NB'														1				1							853.27	846.18	6.25	
			114.7	114+75.53	2.18' RT	JOHN NOLEN DRIVE SB - 'SB'														1				1							853.16	846.37	5.96	
			114.8	114+65.30	30.40' LT	JOHN NOLEN DRIVE SB - 'SB'						1					1											1				852.96	846.88	5.16	FIELD POUR
			114.9	114+23.83	29.66' LT	JOHN NOLEN DRIVE SB - 'SB'					1												1								853.05	850.33	2.72	
			114.10	114+79.54	62.20' LT	JOHN NOLEN DRIVE SB - 'SB'						1								1												853.15	847.68	4.47	
			114.11	114+95.60	60.47' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.24	847.92	4.32	
			114.12	115+28.31	56.61' LT	JOHN NOLEN DRIVE SB - 'SB'														1				1							852.97	848.41	3.72	FIELD POUR
			114.13	115+56.64	73.67' LT	JOHN NOLEN DRIVE SB - 'SB'														1			1								853.09	848.91	3.35	
			114.14	115+76.22	76.99' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.35	849.21	3.14	
			114.15	115+30.91	23.75' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.38	848.14	4.24	
			114.16	115+97.47	29.43' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.65	849.14	3.51	
			114.17	116+17.68	38.60' LT	JOHN NOLEN DRIVE SB - 'SB'								1						1												853.66	849.48	3.18	
			114.18	116+42.95	47.93' LT	JOHN NOLEN DRIVE SB - 'SB'														1			1								853.14	849.75	2.56	
			114.19	116+12.62	76.46' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.44	849.67	2.77	
			114.20	115+88.80	77.71' LT	JOHN NOLEN DRIVE SB - 'SB'								1					1													853.37	849.79	2.58	
						STAGE 2B SUBTOTAL	1	0	0	0	1	2	0	7	0	0	1	0	6	12	0	6	1	13	3	0	1	0	0	0					
		STAGE 3	83.0	83+25.00	72.47' RT	JOHN NOLEN DRIVE NB - 'NB'				1																						843.69		
			83.0A	83+25.00	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'												1													850.92	842.89	6.15	
			83.1	83+79.56	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																			2		1				850.65	840.35	8.43	
			83.2	83+79.56	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'											1							1							850.13	843.72	5.66	FIELD POUR
			83.3	83+70.56	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1							850.18	845.93	3.41	
			83.4	83+88.56	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1							850.18	845.93	3.41	
			83.13	82+09.56	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								850.98	846.45	3.70	
			83.16	80+39.82	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1	1								852.25	846.68	4.74	
			83.17	80+38.63	24.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								851.87	847.43	3.61	
			83.20	79+11.62	24.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								852.81	848.25	3.73	
			83.23	85+49.56	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								850.98	843.87	6.28	
			83.26	87+19.73	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1	1								852.25	847.09	4.33	
			83.27	87+19.73	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'														1			1								851.83	847.55	3.45	
			83.30	87+85.75	29.69' RT	JOHN NOLEN DRIVE NB - 'NB'					1													1							852.17	847.41	4.76	
			83.31	87+60.31	53.25' RT	JOHN NOLEN DRIVE NB - 'NB'							1								1										851.75	849.03	1.47	FIELD POUR
			94.0	94+47.19	71.86' RT	JOHN NOLEN DRIVE NB - 'NB'		1																							844.85		
			94.0A	94+47.19	48.50' RT	JOHN NOLEN DRIVE NB - 'NB'										1									1						850.78	844.82	4.72	
			94.1	94+47.19	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																			2		1				851.20	842.16	7.80	
			94.2	94+47.19	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1							850.67	845.02	4.82	FIELD POUR
			94.3	94+38.01	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1							850.72	846.48	3.40	
			94.4	94+56.37	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1							850.72	846.48	3.40	
			94.12	92+73.94	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								851.53	847.34	3.36	
			94.16	91+03.18	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1	1								852.38	848.20	3.35	

STORM SEWER STRUCTURES CONTINUED

PROJECT	CATEGORY	STAGE	STRUCTURE	STATION	OFFSET*	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH***** EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.0652 INLET COVERS TYPE T EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	SPV.0060.013 INLET COVER TYPE H SPECIAL EACH	SPV.0060.014 INLET COVER TYPE H-S SPECIAL EACH	SPV.0060.015 MANHOLE COVER TYPE J SPECIAL EACH	SPV.0060.024 UTILITY LINE OPENING***** EACH	SPV.0060.027 CATCH BASINS 6-FT X 6-FT EACH	SPV.0060.028 CATCH BASINS 6-FT X 10-FT EACH	SPV.0060.029 MANHOLES 6-FT X 10-FT EACH	RIM** ELEVATION	TOP OF STRUCTURE BASE*** ELEVATION	DEPTH**** FT	
5992-11-21	CATEGORY 0010																																			
		STAGE 3	94.19	96+20.43	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1									851.54	847.36	3.34	
			99.0	99+75.00	78.30' RT	JOHN NOLEN DRIVE NB - 'NB'			1																							844.60			
			99.1	99+75.00	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																				2		1				851.20	840.80	8.00	
			99.2	99+75.00	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							850.81	844.77	5.20	FIELD POUR
			99.3	99+65.82	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							850.85	846.58	3.43	
			99.4	99+84.18	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							850.86	846.58	3.44	
			99.12	98+01.75	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								851.67	844.64	6.20	
			99.12A	98+01.75	48.50' RT	JOHN NOLEN DRIVE NB - 'NB'									1											1						851.50	847.20	3.06	
			99.15	101+46.97	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								851.67	847.47	3.37	
			99.19	103+16.97	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								852.52	848.32	3.37	
			99.22	104+87.52	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'														1				1								853.37	849.16	3.38	
			99.22A	105+08.79	48.50' RT	JOHN NOLEN DRIVE NB - 'NB'									1											1						853.32	849.41	2.67	
			99.27	106+57.52	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'														1				1								854.22	849.71	3.68	
			99.28	106+99.61	29.67' RT	JOHN NOLEN DRIVE NB - 'NB'					1												1									854.44	850.03	4.41	
			99.29	107+09.71	53.33' RT	JOHN NOLEN DRIVE NB - 'NB'							1								1											854.66	851.83	1.58	FIELD POUR
			109.0	109+43.96	97.24' RT	JOHN NOLEN DRIVE NB - 'NB'	1																									845.10			
			109.1	109+20.57	25.00' RT	JOHN NOLEN DRIVE NB - 'NB'														1				1								855.48	848.72	5.93	
			111.0	111+53.61	92.80' RT	JOHN NOLEN DRIVE NB - 'NB'	1																									845.10			
			111.1	111+68.61	29.67' RT	JOHN NOLEN DRIVE NB - 'NB'					1												1									854.83	848.17	6.66	
			114.0	114+70.08	73.70' RT	JOHN NOLEN DRIVE NB - 'NB'		1																								844.85			
			114.1	114+69.99	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																				2		1				853.45	842.50	9.71	
			114.2	114+69.97	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							852.83	845.42	6.58	FIELD POUR
			114.3	114+61.08	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							852.86	848.52	3.50	
			114.4	114+24.51	25.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1			1							852.97	849.25	2.89	
			114.5	114+26.54	53.32' RT	JOHN NOLEN DRIVE NB - 'NB'							1								1											852.73	849.82	1.66	FIELD POUR
			114.21	115+43.97	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								853.29	849.83	2.63	
			119.4	117+71.25	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								853.06	849.19	3.03	
			119.5	117+71.25	22.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1		1								853.06	849.63	2.59	
			120.0	120+68.15	30.50' RT	JOHN NOLEN DRIVE NB - 'NB'																				2			1			852.84	842.75	8.85	
			127.3	127+05.23	23.10' RT	JOHN NOLEN DRIVE NB - 'NB'														1					1							849.40	845.44	3.12	
			127.4	126+96.22	22.22' RT	JOHN NOLEN DRIVE NB - 'NB'														1					1							849.48	845.49	3.16	
			127.5	124+93.07	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'														1				1								850.29	846.77	2.69	
			127.6	123+32.10	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								851.16	847.57	2.76	
			127.7	123+32.10	1.00' LT	JOHN NOLEN DRIVE NB - 'NB'																1		1								851.58	848.03	2.72	
			127.8	121+59.28	22.00' RT	JOHN NOLEN DRIVE NB - 'NB'																1		1								852.28	848.43	3.02	
			STAGE 3 SUBTOTAL				2	2	1	1	3	0	3	0	2	1	1	1	0	7	3	29	3	23	14	13	0	4	1	0						
PROJECT 5992-11-21 TOTAL							**3**	**3**	**1**	**3**	**9**	**2**	**3**	**9**	**2**	**1**	**8**	**1**	**8**	**38**	**3**	**91**	**9**	**84**	**50**	**21**	**3**	**7**	**1**	**2**						

REMARKS:

*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEVATON IS AT THE INLET COVER FLOWLINE LOCATION

***TOP OF STRUCTURE BASE = LOWEST PIPE INVERT ELEVATION + LOWEST PIPE'S WALL THICKNESS, OR TOP OF STRUCTURE BASE = SUMP ELEVATION

****DEPTH = RIM ELEVATION - TOP OF STRUCTURE BASE ELEVATION - COVER HEIGHT AT FLOWLINE - 6-INCH ADJUSTMENT RING HEIGHT

*****ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER PIPES

PROJECT	CATEGORY	STAGE	FROM	-	TO	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000* CONCRETE COLLARS FOR PIPE EACH	608.0118 RELAID STORM SEWER 18-INCH LF	608.0130 RELAID STORM SEWER 30-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	SPV.0060.024* UTILITY LINE OPENING EACH	SPV.0060.032 FURNISH AND INSTALL WATER VALVE 12-INCH EACH	SPV.0060.036 CONCRETE SUPPORTS EACH	SPV.0090.007 RAILROAD STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.008 STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.012 FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
5992-11-21	CATEGORY 0010																											
		STAGE 1	83.5	-	83.2	JOHN NOLEN DRIVE											4								844.08	844.01	0.0030	
			83.7	-	83.5	JOHN NOLEN DRIVE								16											844.64	844.08	0.0050	
			83.21	-	83.5	JOHN NOLEN DRIVE						32													846.04	845.18	0.0050	
			119.1	-	119.0	JOHN NOLEN DRIVE							52												845.63	844.85	0.0150	
			119.2	-	119.1	JOHN NOLEN DRIVE							9												845.76	845.63	0.0150	
			119.3	-	119.2	JOHN NOLEN DRIVE					9														848.56	848.38	0.0200	
			119.4	-	119.3	JOHN NOLEN DRIVE					8														849.36	848.56	0.0050	
			119.6	-	119.2	JOHN NOLEN DRIVE					9														849.00	848.82	0.0200	
			119.7	-	119.2	JOHN NOLEN DRIVE						44													846.67	846.01	0.0150	
			119.8	-	119.7	JOHN NOLEN DRIVE					9														849.78	849.60	0.0200	
			119.9	-	119.7	JOHN NOLEN DRIVE						9													846.81	846.67	0.0150	
			119.10	-	119.9	JOHN NOLEN DRIVE						6													846.90	846.80	0.0150	
			119.11	-	119.10	JOHN NOLEN DRIVE						8													847.40	846.90	0.0150	
			123.1	-	123.0	JOHN NOLEN DRIVE											74	2							843.70	843.48	0.0030	
			123.2	-	123.1	JOHN NOLEN DRIVE		1									54								843.88	843.70	0.0030	TEMPORARY CONCRETE COLLAR TO EXISTING
			127.1	-	127.0	JOHN NOLEN DRIVE											95								844.29	844.00	0.0030	
			127.2	-	127.1	JOHN NOLEN DRIVE											8								844.31	844.29	0.0030	
			127.3	-	127.2	JOHN NOLEN DRIVE						8						1							845.63	845.56	0.0050	
			127.9	-	127.2	JOHN NOLEN DRIVE								25											845.31	845.06	0.0100	
			127.10	-	127.9	JOHN NOLEN DRIVE					13														846.20	846.06	0.0100	
			127.11	-	127.9	JOHN NOLEN DRIVE								18				1							845.49	845.31	0.0100	
			127.CC1	-	127.11	JOHN NOLEN DRIVE		1					7												846.40	846.37	0.0050	
			127.CC2	-	127.11	JOHN NOLEN DRIVE		1			6														846.60	846.57	0.0050	
			STAGE 1 SUBTOTAL				0	3	0	0	54	107	68	59	0	0	235	4	0	0	0	0	0					
		STAGE 2	11.8	-	11.7	BROOM STREET					16														845.95	845.87	0.0050	
			11.9	-	11.8	BROOM STREET					31							1							846.10	845.95	0.0050	
			83.6	-	83.5	JOHN NOLEN DRIVE					30														846.10	845.49	0.0200	
			83.7	-	83.5	JOHN NOLEN DRIVE								97											844.64	844.08	0.0050	
			83.8	-	83.7	JOHN NOLEN DRIVE							23												845.00	844.89	0.0050	
			83.9	-	83.8	JOHN NOLEN DRIVE					9														845.55	845.51	0.0050	
			83.10	-	83.8	JOHN NOLEN DRIVE					9														845.55	845.50	0.0050	
			83.11	-	83.7	JOHN NOLEN DRIVE							57												845.18	844.89	0.0050	
			83.12	-	83.11	JOHN NOLEN DRIVE					23														845.79	845.68	0.0050	
			83.13	-	83.11	JOHN NOLEN DRIVE					8														846.62	845.68	0.0300	
			83.14	-	83.11	JOHN NOLEN DRIVE						170													846.28	845.43	0.0050	
			83.15	-	83.14	JOHN NOLEN DRIVE					23														846.64	846.53	0.0050	
			83.16	-	83.14	JOHN NOLEN DRIVE					6														846.85	846.53	0.0300	
			83.18	-	83.14	JOHN NOLEN DRIVE					127														847.16	846.53	0.0050	
			83.19	-	83.18	JOHN NOLEN DRIVE					23														847.62	847.16	0.0200	

STORM SEWER PIPES CONTINUED

PROJECT	CATEGORY	STAGE	FROM	-	TO	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000* CONCRETE COLLARS FOR PIPE EACH	608.0118 RELAID STORM SEWER 18-INCH LF	608.0130 RELAID STORM SEWER 30-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	SPV.0060.024* UTILITY LINE OPENING EACH	SPV.0060.032 FURNISH AND INSTALL WATER VALVE 12-INCH EACH	SPV.0060.036 CONCRETE SUPPORTS EACH	SPV.0090.007 RAILROAD STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.008 STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.012 FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
5992-11-21	CATEGORY 0010																											
		STAGE 2	83.20	-	83.18	JOHN NOLEN DRIVE					8															848.41	847.16	0.0300	
			83.21	-	83.5	JOHN NOLEN DRIVE						138														846.04	845.18	0.0050	
			83.22	-	83.21	JOHN NOLEN DRIVE					23															846.74	846.28	0.0200	
			83.24	-	83.21	JOHN NOLEN DRIVE					170															847.14	846.28	0.0050	
			83.25	-	83.24	JOHN NOLEN DRIVE					26															847.65	847.14	0.0200	
			83.26	-	83.24	JOHN NOLEN DRIVE					6															847.26	847.14	0.0200	
			83.28	-	83.24	JOHN NOLEN DRIVE					48															847.38	847.13	0.0050	
			83.29	-	83.28	JOHN NOLEN DRIVE					29															847.52	847.38	0.0050	
			83.30	-	83.28	JOHN NOLEN DRIVE					6															847.58	847.38	0.0050	
			94.5	-	94.2	JOHN NOLEN DRIVE						7														845.65	845.47	0.0075	
			94.6	-	94.5	JOHN NOLEN DRIVE						6														845.69	845.65	0.0075	
			94.7	-	94.6	JOHN NOLEN DRIVE					23															846.47	846.01	0.0200	
			94.8	-	94.7	JOHN NOLEN DRIVE					9															846.65	846.47	0.0200	
			94.9	-	94.7	JOHN NOLEN DRIVE					9															846.65	846.47	0.0200	
			94.10	-	94.6	JOHN NOLEN DRIVE					172															846.93	846.07	0.0050	
			94.11	-	94.10	JOHN NOLEN DRIVE					23															847.51	846.93	0.0250	
			94.12	-	94.10	JOHN NOLEN DRIVE					8															847.51	846.93	0.0200	
			94.13	-	94.10	JOHN NOLEN DRIVE					171															847.79	846.93	0.0050	
			94.14	-	94.13	JOHN NOLEN DRIVE					23															848.36	847.78	0.0250	
			94.15	-	94.13	JOHN NOLEN DRIVE					6															847.91	847.78	0.0200	
			94.16	-	94.15	JOHN NOLEN DRIVE					4															848.37	847.90	0.0200	
			94.17	-	94.6	JOHN NOLEN DRIVE					176															846.95	846.07	0.0050	
			94.18	-	94.17	JOHN NOLEN DRIVE					23															847.53	846.95	0.0250	
			94.19	-	94.17	JOHN NOLEN DRIVE					16															847.53	846.95	0.0200	
			99.5	-	99.2	JOHN NOLEN DRIVE								7												845.45	845.27	0.0075	
			99.6	-	99.5	JOHN NOLEN DRIVE						23														846.12	845.95	0.0075	
			99.7	-	99.6	JOHN NOLEN DRIVE						23														846.46	846.12	0.0150	
			99.8	-	99.7	JOHN NOLEN DRIVE					9															846.89	846.71	0.0200	
			99.9	-	99.7	JOHN NOLEN DRIVE					9															846.89	846.71	0.0200	
			99.10	-	99.6	JOHN NOLEN DRIVE					152															847.13	846.37	0.0050	
			99.11	-	99.10	JOHN NOLEN DRIVE					23															847.59	847.13	0.0200	
			99.13	-	99.5	JOHN NOLEN DRIVE							172													846.56	845.70	0.0050	
			99.14	-	99.13	JOHN NOLEN DRIVE					23															847.80	847.06	0.0325	
			99.15	-	99.13	JOHN NOLEN DRIVE					8															847.64	847.06	0.0200	
			99.16	-	99.13	JOHN NOLEN DRIVE							170													847.41	846.56	0.0050	
			99.17	-	99.16	JOHN NOLEN DRIVE					23															848.65	847.91	0.0325	
			99.18	-	99.16	JOHN NOLEN DRIVE					6															848.03	847.91	0.0200	
			99.19	-	99.18	JOHN NOLEN DRIVE					8															848.49	848.03	0.0200	

STORM SEWER PIPES CONTINUED

PROJECT	CATEGORY	STAGE	FROM	-	TO	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000* CONCRETE COLLARS FOR PIPE EACH	608.0118 RELAID STORM SEWER 18-INCH LF	608.0130 RELAID STORM SEWER 30-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	SPV.0060.024* UTILITY LINE OPENING EACH	SPV.0060.032 FURNISH AND INSTALL WATER VALVE 12-INCH EACH	SPV.0060.036 CONCRETE SUPPORTS EACH	SPV.0090.007 RAILROAD STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.008 STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.012 FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
5992-11-21	CATEGORY 0010																											
		STAGE 2	99.20	-	99.16	JOHN NOLEN DRIVE						170														848.51	847.66	0.0050	
			99.21	-	99.20	JOHN NOLEN DRIVE					24															849.49	848.76	0.0300	
			99.22	-	99.20	JOHN NOLEN DRIVE					16															849.32	848.76	0.0175	
			99.23	-	99.20	JOHN NOLEN DRIVE						170														849.36	848.51	0.0050	
			99.24	-	99.23	JOHN NOLEN DRIVE					26															849.80	849.61	0.0075	
			99.25	-	99.24	JOHN NOLEN DRIVE					36															850.08	849.80	0.0075	
			99.26	-	99.23	JOHN NOLEN DRIVE					8															849.66	849.61	0.0075	
			99.27	-	99.26	JOHN NOLEN DRIVE					16															849.87	849.66	0.0075	
			109.2	-	109.1	JOHN NOLEN DRIVE					24															850.93	850.75	0.0050	
			109.3	-	109.2	JOHN NOLEN DRIVE					33															851.10	850.93	0.0050	
			111.2	-	111.1	JOHN NOLEN DRIVE					17															850.05	849.85	0.0050	
			111.3	-	111.2	JOHN NOLEN DRIVE					6															850.08	850.05	0.0050	
			111.4	-	111.3	JOHN NOLEN DRIVE					29							1								850.23	850.08	0.0050	
			119.11	-	119.10	JOHN NOLEN DRIVE						26						1								847.40	846.90	0.0150	
			119.12	-	119.11	JOHN NOLEN DRIVE					9															847.84	847.66	0.0200	
			119.13	-	119.12	JOHN NOLEN DRIVE					91															848.29	847.84	0.0050	
			119.14	-	119.13	JOHN NOLEN DRIVE					100															849.04	848.29	0.0075	
			119.15	-	119.14	JOHN NOLEN DRIVE					50															849.42	849.04	0.0075	
			119.16	-	119.13	JOHN NOLEN DRIVE					35							1								848.46	848.29	0.0050	
			119.17	-	119.11	JOHN NOLEN DRIVE					9															848.40	848.22	0.0200	
			123.2	-	123.1	JOHN NOLEN DRIVE											4	1								843.88	843.70	0.0030	
			123.3	-	123.2	JOHN NOLEN DRIVE										34		1								844.30	844.13	0.0050	
			123.4	-	123.3	JOHN NOLEN DRIVE					140															847.30	845.55	0.0125	
			123.5	-	123.4	JOHN NOLEN DRIVE					65															848.11	847.30	0.0125	
			123.6	-	123.3	JOHN NOLEN DRIVE					81															846.36	845.55	0.0100	
			123.CC	-	123.3	JOHN NOLEN DRIVE		1							7											844.59	844.55	0.0050	
		STAGE 2 SUBTOTAL					0	1	0	0	2360	733	422	104	7	34	4	6	0	0	0	0	0					
		STAGE 2A	120.1	-	120.0	JOHN NOLEN DRIVE																	4			846.01	845.75	0.0050	
			120.2	-	120.1	JOHN NOLEN DRIVE					15															847.99	847.84	0.0100	
			120.3	-	120.2	JOHN NOLEN DRIVE					5															848.04	847.99	0.0100	
			120.4	-	120.1	JOHN NOLEN DRIVE												1					51			846.26	846.01	0.0050	
			120.5	-	120.4	JOHN NOLEN DRIVE					39							1								848.94	848.75	0.0050	
			120.6	-	120.5	JOHN NOLEN DRIVE					22							1								849.05	848.94	0.0050	
			120.7	-	120.4	JOHN NOLEN DRIVE					19															848.79	848.60	0.0100	
			120.9	-	120.4	BROOM STREET																		81		846.26	846.26	0.0000	
			120.10	-	120.9	BROOM STREET						35														847.76	847.41	0.0100	
			120.11	-	120.10	BROOM STREET					9															848.10	848.01	0.0100	
			120.12	-	120.9	BROOM STREET						32														847.73	847.41	0.0100	
			120.13	-	120.12	BROOM STREET					9															848.07	847.98	0.0100	
		STAGE 2A SUBTOTAL					0	0	0	0	118	67	0	0	0	0	0	3	0	0	81	55	0					

STORM SEWER PIPES CONTINUED

PROJECT	CATEGORY	STAGE	FROM	-	TO	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000* CONCRETE COLLARS FOR PIPE EACH	608.0118 RELAID STORM SEWER 18-INCH LF	608.0130 RELAID STORM SEWER 30-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	SPV.0060.024* UTILITY LINE OPENING EACH	SPV.0060.032 FURNISH AND INSTALL WATER VALVE 12-INCH EACH	SPV.0060.036 CONCRETE SUPPORTS EACH	SPV.0090.007 RAILROAD STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.008 STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.012 FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
5992-11-21	CATEGORY 0010																											
		STAGE 2B	10.1	-	10.0	NORTH SHORE DRIVE					43															845.74	845.10	0.0150	
			10.2	-	10.1	NORTH SHORE DRIVE					27															846.14	845.74	0.0150	
			10.3	-	10.2	NORTH SHORE DRIVE					39															846.73	846.14	0.0150	
			10.4	-	10.3	NORTH SHORE DRIVE					26							1								847.12	846.73	0.0150	
			11.4	-	11.0	NORTH SHORE DRIVE					133							1								848.25	847.25	0.0075	
			11.5	-	11.4	NORTH SHORE DRIVE					54															848.65	848.25	0.0075	
			11.6	-	11.5	NORTH SHORE DRIVE					40															848.95	848.65	0.0075	
			114.6	-	114.2	JOHN NOLEN DRIVE						9														846.37	845.88	0.0150	
			114.7	-	114.6	JOHN NOLEN DRIVE						13														846.56	846.37	0.0150	
			114.8	-	114.7	JOHN NOLEN DRIVE						34														847.07	846.56	0.0150	
			114.9	-	114.8	JOHN NOLEN DRIVE					42															850.49	849.24	0.0300	
			114.10	-	114.8	JOHN NOLEN DRIVE					35							1								847.84	847.32	0.0150	
			114.11	-	114.10	JOHN NOLEN DRIVE					16															848.09	847.84	0.0150	
			114.12	-	114.11	JOHN NOLEN DRIVE					33															848.58	848.08	0.0150	
			114.13	-	114.12	JOHN NOLEN DRIVE					33															849.07	848.58	0.0150	
			114.14	-	114.13	JOHN NOLEN DRIVE					20															849.37	849.08	0.0150	
			114.15	-	114.8	JOHN NOLEN DRIVE					66							1								848.31	847.32	0.0150	
			114.16	-	114.15	JOHN NOLEN DRIVE					67							1								849.31	848.31	0.0150	
			114.17	-	114.16	JOHN NOLEN DRIVE					22															849.64	849.31	0.0150	
			114.18	-	114.17	JOHN NOLEN DRIVE					27															849.91	849.64	0.0100	
			114.19	-	114.17	JOHN NOLEN DRIVE					38															849.83	849.64	0.0050	
			114.20	-	114.19	JOHN NOLEN DRIVE					24															849.95	849.84	0.0050	
			STAGE 2B SUBTOTAL				0	0	0	0	785	56	0	0	0	0	0	5	0	0	0	0	0					
		STAGE 3	83.0A	-	83.0	JOHN NOLEN DRIVE											42	2								843.82	843.69	0.0030	
			83.1	-	83.0A	JOHN NOLEN DRIVE											55									843.98	843.82	0.0030	
			83.2	-	83.1	JOHN NOLEN DRIVE											9									844.01	843.98	0.0030	
			83.3	-	83.2	JOHN NOLEN DRIVE					9															846.10	846.06	0.0050	
			83.4	-	83.2	JOHN NOLEN DRIVE					9															846.10	846.05	0.0050	
			83.5	-	83.2	JOHN NOLEN DRIVE											19									844.08	844.01	0.0030	
			83.13	-	83.11	JOHN NOLEN DRIVE					23															846.62	845.68	0.0300	
			83.16	-	83.14	JOHN NOLEN DRIVE					5															846.85	846.53	0.0300	
			83.17	-	83.16	JOHN NOLEN DRIVE					25															847.60	846.84	0.0300	
			83.20	-	83.18	JOHN NOLEN DRIVE					34															848.41	847.16	0.0300	
			83.23	-	LAKE MONONA	JOHN NOLEN DRIVE													1				48			846.87	846.39	0.0100	
			83.27	-	83.26	JOHN NOLEN DRIVE					23															847.72	847.26	0.0200	
			83.30	-	83.28	JOHN NOLEN DRIVE					35															847.58	847.38	0.0050	
			83.31	-	83.27	JOHN NOLEN DRIVE					51															849.20	848.18	0.0200	
			94.0A	-	94.0	JOHN NOLEN DRIVE							23					1								845.03	844.85	0.0075	
			94.1	-	94.0A	JOHN NOLEN DRIVE							18													845.16	845.03	0.0075	
			94.2	-	94.1	JOHN NOLEN DRIVE							9													845.22	845.16	0.0075	
			94.3	-	94.2	JOHN NOLEN DRIVE					9															846.65	846.47	0.0200	

STORM SEWER PIPES CONTINUED

PROJECT	CATEGORY	STAGE	FROM	-	TO	LOCATION	504.0900 CONCRETE MASONRY ENDWALLS CY	520.8000* CONCRETE COLLARS FOR PIPE EACH	608.0118 RELAID STORM SEWER 18-INCH LF	608.0130 RELAID STORM SEWER 30-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	SPV.0060.024* UTILITY LINE OPENING EACH	SPV.0060.032 FURNISH AND INSTALL WATER VALVE 12-INCH EACH	SPV.0060.036 CONCRETE SUPPORTS EACH	SPV.0090.007 RAILROAD STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.008 STORM SEWER BOX 3-FT X 6-FT LF	SPV.0090.012 FURNISH AND INSTALL WATERMAIN PIPE & FITTINGS 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
5992-11-21	CATEGORY 0010																										
		STAGE 3	94.4	-	94.2	JOHN NOLEN DRIVE					9														846.65	846.47	0.0200	
			94.5	-	94.2	JOHN NOLEN DRIVE						16						1							845.65	845.47	0.0075	
			94.12	-	94.10	JOHN NOLEN DRIVE					21														847.51	846.93	0.0200	
			94.16	-	94.15	JOHN NOLEN DRIVE					19														848.37	847.90	0.0200	
			94.19	-	94.17	JOHN NOLEN DRIVE					13							1							847.53	846.95	0.0200	
			99.1	-	99.0	JOHN NOLEN DRIVE									48			1							844.96	844.60	0.0075	
			99.2	-	99.1	JOHN NOLEN DRIVE									9										845.02	844.96	0.0075	
			99.3	-	99.2	JOHN NOLEN DRIVE					9														846.75	846.57	0.0200	
			99.4	-	99.2	JOHN NOLEN DRIVE					9														846.75	846.57	0.0200	
			99.5	-	99.2	JOHN NOLEN DRIVE								16											845.45	845.27	0.0075	
			99.12A	-	LAKE MONONA	JOHN NOLEN DRIVE																		30	847.37	847.07	0.0100	
			99.12	-	99.12A	JOHN NOLEN DRIVE													1					26	847.64	847.37	0.0100	
			99.15	-	99.13	JOHN NOLEN DRIVE					21														847.64	847.06	0.0200	
			99.19	-	99.18	JOHN NOLEN DRIVE					15							1							848.49	848.03	0.0200	
			99.22	-	99.20	JOHN NOLEN DRIVE					16							1							849.32	848.76	0.0175	
			99.22A	-	99.22	JOHN NOLEN DRIVE					34														849.58	849.32	0.0075	
			99.27	-	99.26	JOHN NOLEN DRIVE					12							1							849.87	849.66	0.0075	
			99.28	-	99.27	JOHN NOLEN DRIVE					43														850.19	849.87	0.0075	
			99.29	-	99.28	JOHN NOLEN DRIVE					26														852.00	851.48	0.0200	
			109.1	-	109.0	JOHN NOLEN DRIVE					76							1							848.88	845.10	0.0500	
			109.2	-	109.1	JOHN NOLEN DRIVE					14							1							850.93	850.75	0.0050	
			111.1	-	111.0	JOHN NOLEN DRIVE					65							1							848.34	845.10	0.0500	
			111.2	-	111.1	JOHN NOLEN DRIVE					24														850.05	849.85	0.0050	
			114.1	-	114.0	JOHN NOLEN DRIVE							43												845.50	844.85	0.0150	
			114.2	-	114.1	JOHN NOLEN DRIVE							9												845.63	845.50	0.0150	
			114.3	-	114.2	JOHN NOLEN DRIVE					9														848.69	848.51	0.0200	
			114.4	-	114.3	JOHN NOLEN DRIVE					36														849.42	848.69	0.0200	
			114.5	-	114.4	JOHN NOLEN DRIVE					28														849.98	849.42	0.0200	
			114.6	-	114.2	JOHN NOLEN DRIVE						24													846.37	845.88	0.0150	
			114.21	-	114.2	JOHN NOLEN DRIVE					74														849.99	848.51	0.0200	
			119.4	-	119.3	JOHN NOLEN DRIVE					153														849.36	848.56	0.0050	
			119.5	-	119.4	JOHN NOLEN DRIVE					44														849.80	849.36	0.0100	
			120.0	-	LAKE MONONA	JOHN NOLEN DRIVE	2.1																51		845.75	845.50	0.0050	STORM SEWER BOX 3-FT X 6-FT ENDWALL
			120.1	-	120.0	JOHN NOLEN DRIVE												1					47		846.01	845.75	0.0050	
			127.3	-	127.2	JOHN NOLEN DRIVE						6													845.63	845.56	0.0050	
			127.4	-	127.3	JOHN NOLEN DRIVE						9													845.68	845.63	0.0050	
			127.5	-	127.4	JOHN NOLEN DRIVE					202														846.93	845.92	0.0050	
			127.6	-	127.5	JOHN NOLEN DRIVE					160										2				847.73	846.93	0.0050	CONCRETE SUPPORT ABOVE 123.2-123.1
			127.7	-	127.6	JOHN NOLEN DRIVE					23														848.19	847.73	0.0200	
			127.8	-	127.6	JOHN NOLEN DRIVE					172														848.59	847.73	0.0050	
			119.1	-	119.0	JOHN NOLEN DRIVE			16																845.63	844.85	0.0150	LAKE MONONA SHORELINE REVETMENT
			123.1	-	123.0	JOHN NOLEN DRIVE				16															843.70	843.48	0.0030	LAKE MONONA SHORELINE REVETMENT
			127.1	-	127.0	JOHN NOLEN DRIVE				16															844.29	844.00	0.0030	LAKE MONONA SHORELINE REVETMENT
		STAGE 3 SUBTOTAL					2.1	0	16	32	1550	55	102	16	57	0	125	13	2	2	0	98	104					
PROJECT 5992-11-21 TOTAL							**2.1**	**4**	**16**	**32**	**4867**	**1018**	**592**	**179**	**64**	**34**	**364**	**31**	**2**	**2**	**81**	**153**	**104**					

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	MISCELLANEOUS QUANTITIES	SHEET 751	E

FILE NAME: PLOT DATE: 6/25/2025 10:36 AM PLOT BY: KL ENGINEERING PLOT NAME: PLOT SCALE: 1"=1'

WISDOT/CADDS SHEET 42

CULVERTS

PROJECT	CATEGORY	STAGE	FROM* STA	FROM* OFFSET	FROM* ALI	FROM* ELEV	TO* STA	TO* OFFSET	TO* ALI	TO* ELEV	SLOPE FT/FT	522.0118 CULVERT PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	522.1018** APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	608.6008 STORM SEWER PIPE COMPOSITE 8-INCH LF	633.5200 MARKERS CULVERT END EACH
5992-11-21	CATEGORY 0010														
		STAGE 2	97+50.39	39.68' LT	'SB'	845.85	97+45.85	76.69' RT	'NB'	844.85	0.008	52	1	---	1
		STAGE 2 SUBTOTALS										52	1	0	1
		STAGE 3	97+50.39	39.68' LT	'SB'	845.85	97+45.85	76.69' RT	'NB'	844.85	0.008	72	1	---	1
			70+54	29.4' RT	'CCT'	848.70	70+54	19.4' RT	'CCT'	848.48	0.022	---	---	10	1
		STAGE 3 SUBTOTALS										72	1	10	2
PROJECT 5992-11-21 TOTAL												**124**	**2**	**10**	**3**

*LOCATIONS ARE TO END OF PIPE IN THE FINAL CONDITION

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UNDERDRAIN

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	645.0140 GEOTEXTILE TYPE SAS SY
5992-11-21	CATEGORY 0010					
		STAGE 2	JOHN NOLEN DRIVE	71+00 'NB' - 114+00 'NB'	450	650
			JOHN NOLEN DRIVE	114+00 'NB' - 120+00 'NB'	150	217
			JOHN NOLEN DRIVE	120+00 'NB' - 131+00 'NB'	0	0
		STAGE 2 SUBTOTAL			600	867
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	128	185
		STAGE 2A SUBTOTAL			128	185
		STAGE 3	JOHN NOLEN DRIVE	71+00 'NB' - 114+00 'NB'	450	650
			JOHN NOLEN DRIVE	114+00 'NB' - 120+00 'NB'	425	614
			JOHN NOLEN DRIVE	120+00 'NB' - 131+00 'NB'	300	434
		STAGE 3 SUBTOTAL			1175	1698
PROJECT 5992-11-21 TOTAL					**1903**	**2750**

COFFERDAMS

PROJECT	CATEGORY	STAGE	STA*	OFFSET*	LOCATION	206.5001.010 COFFERDAM (83.0) EACH	206.5001.011 COFFERDAM (94.0) EACH	206.5001.012 COFFERDAM (97.E) EACH	206.5001.013 COFFERDAM (99.0) EACH	206.5001.014 COFFERDAM (109.0) EACH	206.5001.015 COFFERDAM (111.0) EACH	206.5001.016 COFFERDAM (114.0) EACH	206.5001.017 COFFERDAM (119.0) EACH	206.5001.018 COFFERDAM (120.0) EACH	206.5001.019 COFFERDAM (123.0) EACH	206.5001.020 COFFERDAM (127.0) EACH	206.5001.021 COFFERDAM (10.0) EACH	206.5001.022 COFFERDAM (83+80 RT) EACH	206.5001.023 COFFERDAM (94+47 RT) EACH	206.5001.024 COFFERDAM (99+75 RT) EACH	206.5001.025 COFFERDAM (114+70 RT) EACH
5992-11-21	CATEGORY 0010																				
		STAGE 1	83+80	70.1' RT	JOHN NOLEN DRIVE NB - 'NB'													1			
			94+47	71.9' RT	JOHN NOLEN DRIVE NB - 'NB'														1		
			99+75	78.3' RT	JOHN NOLEN DRIVE NB - 'NB'															1	
			114+70	73.7' RT	JOHN NOLEN DRIVE NB - 'NB'																1
			119+48	82.4' RT	JOHN NOLEN DRIVE NB - 'NB'								1								
			123+76	103.3' RT	JOHN NOLEN DRIVE NB - 'NB'										1						
			127+18	127.7' RT	JOHN NOLEN DRIVE NB - 'NB'											1					
					STAGE 1 SUBTOTAL	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1
		STAGE 2B	10+15	68.5' RT	NORTH SHORE DRIVE EB - 'NSE'												1				
					STAGE 2B SUBTOTAL	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
		STAGE 3	83+80	70.1' RT	JOHN NOLEN DRIVE NB - 'NB'	1															
			94+47	71.9' RT	JOHN NOLEN DRIVE NB - 'NB'		1														
			97+46	76.7' RT	JOHN NOLEN DRIVE NB - 'NB'			1													
			99+75	78.3' RT	JOHN NOLEN DRIVE NB - 'NB'				1												
			109+21	87.4' RT	JOHN NOLEN DRIVE NB - 'NB'					1											
			111+68	90.3' RT	JOHN NOLEN DRIVE NB - 'NB'						1										
			114+70	73.7' RT	JOHN NOLEN DRIVE NB - 'NB'							1									
			120+49	76.0' RT	JOHN NOLEN DRIVE NB - 'NB'									1							
					STAGE 3 SUBTOTAL	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0
PROJECT 5992-11-21 TOTAL						**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**

*STATIONS AND OFFSET ARE TO STRUCTURE LOCATION

ADJUSTING ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION	OFFSET	611.8110 ADJUSTING MANHOLE COVERS (EA)	SPV.0060.030 ADJUST SANITARY SEWER ACCESS STRUCTURE (EA)
5992-11-21	CATEGORY 0010						
		STAGE 2	BIKE PATH NORTH SHORE DR	15+71 'BPN'	7' LT	-	1
		STAGE 2	BIKE PATH NORTH SHORE DR	15+72 'BPN'	13' LT	-	1
			STAGE 2 SUBTOTAL			0	2
		STAGE 2A	BROOM STREET	700+82 'BSE'	3' LT	1	-
		STAGE 2A	BROOM STREET	700+92 'BSE'	5' RT	1	-
			STAGE 2A SUBTOTAL			2	0
PROJECT 5992-11-21 TOTAL						2	2
PROPOSAL TOTAL						2	2

FENCE SAFETY

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	616.0700.S FENCE SAFETY (LF)	REMARKS
5992-11-21	CATEGORY 0010		UNDISTRIBUTED		4,000	TREE PROTECTION, SHORELINE PROTECTION, AND SITE DELINEATION
PROJECT 5992-11-21 TOTAL					4,000	
PROPOSAL TOTAL					4,000	

CRASH CUSHIONS PERMANENT

PROJECT	CATEGORY	STATION		STAGE	614.0800 CRASH CUSHIONS PERMANENT (EACH)	BACK WIDTH	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS	REMARKS
5992-11-21	CATEGORY 0010											
		89+58 'SB'	LT	STAGE 2	1	2	OM-3R	TL-2	BIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-930 SB	BIDIRECTIONAL TRAFFIC DURING STAGE 3 ONLY
		109+29 'SB	LT	STAGE 2	1	2	OM-3R	TL-2	BIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-924 SB	BIDIRECTIONAL TRAFFIC DURING STAGE 3 ONLY
		114+30 'SB	LT	STAGE 2	1	2	OM-3R	TL-2	BIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-926 SB	BIDIRECTIONAL TRAFFIC DURING STAGE 3 ONLY
		87+80	RT	STAGE 3	1	2	OM-3R	TL-2	UNIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-930 NB	
		106+94	RT	STAGE 3	1	2	OM-3R	TL-2	UNIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-924 NB	
		111+74	RT	STAGE 3	1	2	OM-3R	TL-2	UNIDIRECTIONAL	LT	BRIDGE PARAPET, B-13-926 NB	
PROJECT 5992-11-21 TOTAL					**6**							

CONCRETE MEDIAN NOSE

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	TYPE	620.0200 BLUNT NOSE (SF)	620.0300 SLOPED NOSE (SF)
5992-11-21	CATEGORY 0010						
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	1	-	141
		STAGE 2A SUBTOTAL				0	141
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	1	13	455
		STAGE 2B SUBTOTAL				13	455
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	1	-	86
			JOHN NOLEN DRIVE	120+00 - 131+00	1	-	294
		STAGE 3 SUBTOTAL				0	380
PROJECT 5992-11-21 TOTAL						13	976
PROPOSAL TOTAL						13	976

WATER

PROJECT	CATEGORY	STAGE	LOCATION	624.0100 WATER (MGAL)
5992-11-21	CATEGORY 0010			
		STAGE 1	PROJECT	--
		STAGE 2	PROJECT	256
		STAGE 3	PROJECT	201
		STAGE 4	PROJECT	15
PROJECT 5992-11-21 TOTAL				472
	CATEGORY 0050			
		STAGE 1	STORM SEWER PATCHES	1
		STAGE 2	PROJECT	20
		STAGE 3	CAPITAL CITY TRAIL	89
		CATEGORY 0050 TOTAL		109
PROJECT 5992-11-28 TOTAL				109
PROPOSAL TOTAL				581

EROSION CONTROL

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	606.0200 RIPRAP MEDIUM (CY)	627.0200 MULCHING (SY)	628.1104 EROSION BALES (EACH)	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)	628.1530.S SILT FENCE HEAVY DUTY (LF)	628.1535.S SILT FENCE HEAVY DUTY MAINTENANCE (LF)	628.2006 EROSION MAT URBAN CLASS I TYPE A (SY)	628.2008 EROSION MAT URBAN CLASS I TYPE B (SY)	628.7005 INLET PROTECTION TYPE A (EACH)	628.7010 INLET PROTECTION TYPE B (EACH)	628.7015 INLET PROTECTION TYPE C (EACH)	628.7020 INLET PROTECTION TYPE D (EACH)	628.7504 TEMPORARY DITCH CHECKS (LF)	628.7555 CULVERT PIPE CHECKS (EACH)	628.7560 TRACKING PADS (EACH)	631.0300 SOD WATER (MGAL)	631.1000 SOD LAWN (SY)	645.0120* GEOTEXTILE TYPE HR (SY)	SPV.0180.001 ENHANCED TURBIDITY BARRIER (SY)
5992-11-21	CATEGORY 0010																							
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	2,755	2,755	89	-	1	7	17	1	-	3	-	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	8	-	-	-	-	562	562	101	-	3	2	17	3	-	-	-	1	27	30	-
			JOHN NOLEN DRIVE	120+00 - 131+00	14	-	-	-	-	493	493	144	-	1	-	7	1	-	-	-	6	138	56	-
			STAGE 1 SUBTOTAL		22	0	0	0	0	3,810	3,810	334	0	5	9	41	5	0	3	0	7	165	86	0
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	1,378	7,523	-	50	-	35	16	340	2	1	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	281	641	-	6	3	3	4	-	-	-	25	549	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	-	-	-	-	247	-	-	3	-	6	1	-	-	1	23	522	-	-
			STAGE 2 SUBTOTAL		0	0	0	0	0	0	1,905	8,164	0	59	3	44	21	340	2	2	48	1,071	0	0
		STAGE 2A	BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	-	-	-	-	-	367	170	-	9	-	7	5	-	-	2	6	127	-	-
			STAGE 2A SUBTOTAL		0	0	0	0	0	0	367	170	0	9	0	7	5	0	0	2	6	127	0	0
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	6	-	-	-	-	-	367	1,048	-	26	-	26	-	-	-	-	58	1,293	24	-
			STAGE 2B SUBTOTAL		6	0	0	0	0	0	367	1,048	0	26	0	26	0	0	0	0	58	1,293	24	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	-	9,413	1,160	26	2	20	11	-	-	-	16	361	-	3,260
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	-	-	260	7	-	3	7	-	-	-	58	1,285	-	550
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	-	-	-	-	-	-	-	7	-	5	3	-	-	-	57	1,258	-	190
			STAGE 3 SUBTOTAL		0	0	0	0	0	0	0	9,413	1,420	40	2	28	21	0	0	0	130	2,904	0	4,000
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	-	-	-	-	-	-	-	-	-	-	-	22	6	-	-	-	41	905	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	-	-	-	-	-	1	6	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-	-	-	-	-	-	-	-	-	-	2	6	-	-	-	35	779	-	-
			STAGE 4 SUBTOTAL		0	0	0	0	0	0	0	0	0	0	0	25	18	0	0	0	76	1,684	0	0
		UNDISTRIBUTED		PROJECT	7	500	50	500	500	970	1,621	4,871	360	36	6	44	20	85	5	2	85	1,816	30	400
PROJECT 5992-11-21 TOTAL					35	500	50	500	500	4,780	8,070	24,000	1,780	175	20	215	90	425	10	6	410	9,060	140	4,400

*BID ITEMS LISTED ELSEWHERE SEE "SHORELINE REVETMENT" & "FLAT STONE BLOCK"

MOBILIZATIONS EROSION CONTROL

PROJECT	CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
5992-11-21	0010			
		STAGE 1	10	1
		STAGE 2	4	6
		STAGE 2A	2	2
		STAGE 2B	2	3
		STAGE 3	15	11
		STAGE 4	3	2
		UNDISTRIBUTED	4	3
PROJECT 5992-11-21 TOTAL			40	28

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RESTORATION ITEMS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	625.0100 TOPSOIL (SY)	625.0105 TOPSOIL (CY)	629.0210 FERTILIZER TYPE B (CWT)	630.0130 SEEDING MIXTURE NO. 30 (LB)	630.0140 SEEDING MIXTURE NO. 40 (LB)	630.0200 SEEDING TEMPORARY (LB)	630.0500 SEED WATER (MGAL)
5992-11-21	CATEGORY 0010										
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	89	-	0.1	-	-	4	2
			JOHN NOLEN DRIVE	114+00 - 120+00	128	-	0.1	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	282	-	0.2	-	-	-	-
			STAGE 1 SUBTOTAL		499	0	0.4	0	0	4	2
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	7,523	-	4.8	340	-	-	169
			JOHN NOLEN DRIVE	114+00 - 120+00	1,190	-	0.8	-	30	-	15
			JOHN NOLEN DRIVE	120+00 - 131+00	522	-	0.4	-	-	-	-
			STAGE 2 SUBTOTAL		9,235	0	6.0	340	30	0	184
		STAGE 2A	BROOM STREET	700+59 'BSE' - 701+83 'BSE'	297	-	0.2	-	9	-	4
			STAGE 2A SUBTOTAL		297	0	0.2	0	9	0	4
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	2,341	80	1.5	-	49	-	24
			STAGE 2B SUBTOTAL		2,341	80	1.5	0	49	0	24
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	10,931	2,241	6.9	-	-	271	225
			JOHN NOLEN DRIVE	114+00 - 120+00	1,545	163	1.0	-	12	-	6
			JOHN NOLEN DRIVE	120+00 - 131+00	1,258	82	0.8	-	-	-	0
			STAGE 3 SUBTOTAL		13,734	2,486	8.7	0	12	271	231
		STAGE 4	JOHN NOLEN DRIVE	71+00 - 114+00	905	-	0.6	-	-	-	-
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-	-	-	-	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	779	-	0.5	-	-	-	-
			STAGE 4 SUBTOTAL		1,684	0	1.1	0	0	0	0
		UNDISTRIBUTED		PROJECT	7,045	644	5.1	90	25	70	115
PROJECT 5992-11-21 TOTAL					34,835	3,210	23.0	430	125	345	560

PERMANENT SIGNING TYPE II

SIGN #	SIGN CODE	SIGN SIZE	SIGN SIZE WXH IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.3620 ERECTING STATE OWNED SIGNS TYPE II EACH	SPV.0060.010 PRECAST SIGN POST BASE EACH	SPV.0060.011 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.012 SPECIAL SIGN BASE EACH	SPV.0090.005 SIGN POST LF	SPV.0090.006 RELECTIVE SIGN POST LF	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21 CATEGORY 0010														
1C-02	M1-94	Custom	VARIESX15	---	---	---	1	2	---	---	---	22	1-06/07	CROSS ROAD NAME-E LAKESIDE ST
1-05	R2-1	2S	24X30	5.00	---	---	---	---	---	---	---	---	1C-02, 1-07	SPEED LIMIT 35 MPH
1-06	R2-1	2S	24X30	5.00	---	---	---	---	---	---	---	---	1C-02, 1-06	SPEED LIMIT 35 MPH
2-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
3-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
4-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
4-02	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
5-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
5-02	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
6-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
7-01	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
7-02	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
7-03	R3-20L	2S	24X36	6.00	---	---	---	---	1	---	---	11	---	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW
8-01	R14-1	2S	24X18	3.00	---	---	---	---	---	---	---	---	8-02 LP 8-04	TRUCK ROUTE
8-02	M6-1(MOD)	Custom	24X18	3.00	---	---	---	---	---	---	---	---	8-01 LP 8-04	LEFT AND AHEAD ARROW
8-03	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	SPEED LIMIT 35 MPH
8-04	R2-1	2S	24X30	5.00	---	---	---	---	---	---	---	---	8-01/02 LP	SPEED LIMIT 35 MPH
8-05	R7-4D	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
8-06	R14-1	2S	24X18	3.00	---	---	---	1	---	---	---	10	8-07	TRUCK ROUTE
8-07	M6-1(MOD)	Custom	24X18	3.00	---	---	---	---	---	---	---	---	8-06	LEFT AND AHEAD ARROW
8-08	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
8-09	W10-3	2S	36X36	---	---	9.00	---	---	1	---	---	13	8-10/11	SIDE ROAD TRACKS LEFT/RIGHT SIDE
8-10	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	8-09/11	EXEMPT (SEE R 15-3 ALSO)
8-11	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	8-09/10	NO TRAIN HORN
9-01	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	SPEED LIMIT 30 MPH
9-02	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	SPEED LIMIT 30 MPH
9-04	J4-1	2S	24X36	6.00	---	---	---	1	---	---	---	13	9-04	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)
9-05	R7-1D	2S	18X24	3.00	---	---	---	---	---	---	---	---	9-03	NO PARKING ANY TIME (DOUBLE ARROW)
9-06	M1-94H	Custom	96X18	12.00	---	---	---	---	---	---	---	---	TROMBONE ARM	CROSS ROAD NAME FOR OVERHEAD STREET-NORTH SHORE DR RIGHT ARROW
9-07	R10-6	2S	24X36	6.00	---	---	---	---	---	---	---	---	TS	STOP HERE ON RED (ARROWS)
9-08	R5-1	2S	30X30	6.25	---	---	---	---	---	---	---	---	TS	DO NOT ENTER
9-09	W10-1	2S	36X36	---	---	7.07	---	1	---	---	---	13	---	RAILROAD CROSSING
9-10	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	3-19	EXEMPT (SEE R 15-3 ALSO)
9-11	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	3-18	NO TRAIN HORN
9-12	W10-1	2S	36X36	---	---	7.07	---	---	---	---	---	---	---	RAILROAD CROSSING
9-13	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	---	EXEMPT (SEE R 15-3 ALSO)
9-14	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	---	NO TRAIN HORN
11C-01	M1-94	Custom	VARIESX15	---	---	---	1	2	---	---	---	18	---	CROSS ROAD NAME-JOHN NOLEN DR
9-15	R3-8LLR	Custom	54X30	11.25	---	---	---	2	---	---	---	28	---	VARIOUS ONLYS, LEFT/LEFT/RIGHT
9C-01	HWY GUIDE	Custom	30X48	---	---	---	1	---	---	---	---	---	9C-02/03 LP	HWY GUIDE SIGN RIGHT ARROW TO IH-90/94, USH 151 & BELTLINE HWY
9C-02	M1-90	2S	24X24	---	---	---	1	---	---	---	---	---	9C-01/03 LP	FRANK LLOYD WRIGHT TRAIL
9C-03	M6-1	2S	21X21	---	---	---	1	---	---	---	---	---	9C-01/02 LP	ARROW (RIGHT, LEFT, OR AHEAD)
9-16	W12-1D	2S	24X24	---	---	4.00	---	---	1	---	7	---	---	DOUBLE DOWN DIAGONAL ARROWS
9-17	R7-1D	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO PARKING ANY TIME (DOUBLE ARROW)
9-18	R10-6	2S	24X36	6.00	---	---	---	1	---	---	---	11	---	STOP HERE ON RED (ARROWS)
9-19	R10-11B	2S	24X24	4.00	---	---	---	1	---	---	---	10	9-20	NO TURN ON RED
9-20	R10-20AP(MOD)	Custom	24X12	2.00	---	---	---	---	---	---	---	---	9-19	TIME RESTRICTIONS 6AM TO 9PM
9-21	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	---	ONE WAY RIGHT ARROW
9-22	R4-7	2S	24X30	5.00	---	---	---	---	---	---	---	---	TS	KEEP RIGHT
9-23	R4-7	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	KEEP RIGHT

PERMANENT SIGNING TYPE II CONTINUED

SIGN #	SIGN CODE	SIGN SIZE	SIGN SIZE WXH IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.3620 ERECTING STATE OWNED SIGNS TYPE II EACH	SPV.0060.010 PRECAST SIGN POST BASE EACH	SPV.0060.011 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.012 SPECIAL SIGN BASE EACH	SPV.0090.005 SIGN POST LF	SPV.0090.006 RELECTIVE SIGN POST LF	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21 CATEGORY 0010														
9-24	R4-7	2S	24X30	5.00	---	---	---	---	1	---	---	10	9-24, TS	KEEP RIGHT
9-25	R6-2L	2S	24X30	5.00	---	---	---	---	---	---	---	---	TS	ONE WAY LEFT ARROW
9-27	M1-94H	Custom	96X18	12.00	---	---	---	---	---	---	---	---	TROMBONE ARM, 9-24	CROSS ROAD NAME FOR OVERHEAD STREET LT ARROW NORTH SHORE DR
9-28	J3-1	2S	24X57	9.50	---	---	---	---	---	---	---	---	9C-06/07 TS	DIRECTIONAL ASSEMBLY (1 HEAD PANEL)
9C-06	D3-1	Custom	30X8	---	---	---	1	---	---	---	---	---	9-28, 9C-07 TS	SMALL STREET SIGN DOUBLE SIDED-NORTH SHORE DR
9C-07	D3-1	Custom	30X8	---	---	---	1	---	---	---	---	---	9-28, 9C-06 TS	SMALL STREET SIGN DOUBLE SIDED-JOHN NOLEN DR
9-29	J3-1	2S	24X57	9.50	---	---	---	2	---	---	---	34	9C-04/05	DIRECTIONAL ASSEMBLY (1 HEAD PANEL)
9C-04	M1-90	2S	24X24	---	---	---	1	---	---	---	---	---	9-29, 9C-05	FRANK LLOYD WRIGHT TRAIL
9C-05	M6-1	2S	21X21	---	---	---	1	---	---	---	---	---	9-29, 9C-04	ARROW (RIGHT, LEFT, OR AHEAD)
9-30	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	SPEED LIMIT 35 MPH
9-31	R2-1	2S	24X30	5.00	---	---	---	---	1	---	---	10	---	SPEED LIMIT 35 MPH
10-01	J3-1	2S	24X57	9.50	---	---	---	2	---	---	---	26	---	DIRECTIONAL ASSEMBLY (1 HEAD PANEL)
10-02	D15-1	Custom	144X66	---	66.00	---	---	---	---	---	---	---	S-13-0579	LANE USE/ DESTINATION GUIDE SIGN NORTH SHORE DR RIGHT TURN ONLY LANE
10-03	D15-2	Custom	168X84	---	98.00	---	---	---	---	---	---	---	S-13-0579	LANE USE/ DESTINATION GUIDE SIGN (TWO DIRECTIONS) JOHN NOLEN DR TO BELTLINE HWY AHEAD ONLY LANE
10C-02	E10-82	Custom	30X48	---	---	---	1	---	2	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-LEFT ARROW CAPITOL DOWNTOWN
10-04	D15-2	Custom	168X66	---	77.00	---	---	---	---	---	---	---	S-13-0579	LANE USE/ DESTINATION GUIDE SIGN (TWO DIRECTIONS) BROOM ST 2 LEFT TURN ONLY
10C-03	E10-82	Custom	30X48	---	---	---	1	2	---	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-AHEAD ARROW MONONA TERRACE
10-05	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
10C-01	E10-82	Custom	30X48	---	---	---	1	---	2	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-AHEAD ARROW ALLIANT ENERGY CENTER
10-06	W10-3	2S	36X36	---	---	9.00	---	1	---	---	---	13	10-07/08	SIDE ROAD TRACKS LEFT/RIGHT SIDE
10-07	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	10-06/08	EXEMPT (SEE R 15-3 ALSO)
10-08	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	10-06/07	NO TRAIN HORN
10-09	W10-3	2S	36X36	---	---	9.00	---	---	1	---	---	13	10-10/11	SIDE ROAD TRACKS LEFT/RIGHT SIDE
10-10	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	10-09/11	EXEMPT (SEE R 15-3 ALSO)
10-11	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	10-09/10	NO TRAIN HORN
10-12	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	11	10-13	SPEED LIMIT 35 MPH
10-13	R7-1D	2S	18X24	3.00	---	---	---	---	---	---	---	---	10-12	NO PARKING ANY TIME (DOUBLE ARROW)
10-14	R14-1	2S	24X18	3.00	---	---	---	---	1	---	---	10	10-15	TRUCK ROUTE
10-15	M6-1 MOD	Custom	24X18	3.00	---	---	---	---	---	---	---	---	10-14	AHEAD AND RIGHT ARROW
10-16	R14-1	2S	24X18	3.00	---	---	---	1	---	---	---	10	10-17	TRUCK ROUTE
10-17	M6-1(MOD)	Custom	24X18	3.00	---	---	---	---	---	---	---	---	10-16	AHEAD AND RIGHT ARROW
10-18	R2-1	2S	24X30	5.00	---	---	---	---	1	---	---	10	---	SPEED LIMIT 35 MPH
10-19	R6-2R	2S	24X30	5.00	---	---	---	---	---	---	---	---	TS	ONE WAY RIGHT ARROW
10-20	R7-4D(MOD)	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
10-21	R4-7	2S	24X30	5.00	---	---	---	---	---	---	---	---	10-22 TS, 10C-06	KEEP RIGHT
10-22	R3-4	2S	24X24	4.00	---	---	---	---	---	---	---	---	10-21 TS, 10C-06	NO U TURN SYMBOL
10-23	M1-94H	Custom	84X18	10.50	---	---	---	---	---	---	---	---	TROMBONE ARM 10-21/22	CROSS ROAD NAME FOR OVERHEAD STREET-S BROOM ST RT ARROW
10-24	R7-1D	2S	18X24	3.00	---	---	---	1	---	---	10	---	---	NO PARKING ANY TIME (DOUBLE ARROW)
10-25	R4-7	2S	24X30	5.00	---	---	---	---	1	---	10	---	---	KEEP RIGHT
10C-04	D3-1	Custom	30X8	---	---	---	1	---	---	---	---	---	10M-05 TS	SMALL STREET SIGN DOUBLE SIDED-NORTH SHORE DR
10C-05	D3-1	Custom	30X8	---	---	---	1	---	---	---	---	---	10M-04 TS	SMALL STREET SIGN DOUBLE SIDED-JOHN NOLEN DR
10-26	R6-2L	2S	24X30	5.00	---	---	---	---	---	---	---	---	TS	ONE WAY LEFT ARROW
10-27	M1-94H	Custom	84X18	10.50	---	---	---	---	---	---	---	---	TROMBONE ARM 10-28/29	CROSS ROAD NAME FOR OVERHEAD STREET-LT ARROW S BROOM ST
10-28	R4-7	2S	24X30	5.00	---	---	---	---	---	---	---	---	10-27/29 TS	KEEP RIGHT
10-29	R3-4	2S	24X24	4.00	---	---	---	---	---	---	---	---	10-27/28 TS	NO U TURN SYMBOL
10-30	J4-1	2S	24X36	6.00	---	---	---	1	---	---		13	10-29	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)
10C-07	M1-90	2S	24X24	4.00	---	---	1	---	---	---	---	---	10-28	FRANK LLOYD WRIGHT TRAIL
10-32	R5-1	2S	30X30	6.25	---	---	---	---	---	---	---	---	TS	DO NOT ENTER
12-01	R5-1A	2S	36X24	6.00	---	---	---	1	---	---	---	10	---	WRONG WAY
12-02	W10-3	2S	36X36	---	---	9.00	---	1	---	---	---	13	12-03/04	SIDE ROAD TRACKS LEFT/RIGHT SIDE
12-03	W10-1A	2S	24X12	---	---	2.00	---	---	---	---	---	---	12-02/04	EXEMPT (SEE R 15-3 ALSO)

PERMANENT SIGNING TYPE II CONTINUED

SIGN #	SIGN CODE	SIGN SIZE	SIGN SIZE WXH IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.3620 ERECTING STATE OWNED SIGNS TYPE II EACH	SPV.0060.010 PRECAST SIGN POST BASE EACH	SPV.0060.011 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.012 SPECIAL SIGN BASE EACH	SPV.0090.005 SIGN POST LF	SPV.0090.006 RELECTIVE SIGN POST LF	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21 CATEGORY 0010														
12-04	W10-9P(MOD)	Custom	24X15	---	---	2.50	---	---	---	---	---	---	12-02/03	NO TRAIN HORN
12-05	R7-1D	2S	18X24	3.00	---	---	---	1	---	---	---	10	---	NO STOPPING STANDING OR PARKING
12C-01	D1-2	Custom	54X30	---	---	---	1	2	---	---	---	20	---	TWO DESTINATION (ARROWS)-BROOM ST RT & NORTH SHORE DR ADV RT
12-06	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	11	12-07	SPEED LIMIT 35 MPH
12-07	R7-4D	2S	18X24	3.00	---	---	---	---	---	---	---	---	---	NO STOPPING STANDING OR PARKING
12-08	R2-1	2S	24X30	5.00	---	---	---	1	---	---	---	10	---	SPEED LIMIT 35 MPH
12C-02	E10-82	Custom	30X48	---	---	---	1	2	---	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-RT ARROW MONONA TERRACE PARKING
12-09	R3-20RR	2S	24X36	6.00	---	---	---	1	---	---	---	10	12-10	BEGIN RIGHT TURN LANE WITH DOWN RIGHT ARROW
12-10	R7-4D(MOD)	2S	18X24	3.00	---	---	---	---	---	---	---	---	12-09	NO STOPPING STANDING OR PARKING
12C-03	E10-82	Custom	30X48	---	---	---	1	2	---	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-RT ARROW MONONA TERRACE
12C-04	E10-82	Custom	30X48	---	---	---	1	2	---	---	---	26	---	TOURIST ORIENTED DIRECTIONAL SIGNS-RT ARROW MONONA TERRACE
12C-05	D1-2	Custom	60X30	---	---	---	1	2	---	---	---	20	---	TWO DESTINATION (ARROWS)-BELTLINE HWY LEFT 2 LANES
PROJECT 5992-11-21 TOTALS:				351.25	241.00	81.14	20	57	13	0	27	759		
PROJECT: 5992-11-28 CATEGORY 0050														
1-01	R1-1	Custom	18X18	2.25	---	---	---	1	---	---	7	---	1-02	STOP SIGN
1-02	R5-3	2S	24X24	4.00	---	---	---	---	---	---	---	---	1-01	NO MOTOR VEHICLES
1C-01	D3-1	Custom	18X8	---	---	---	1	1	---	---	8.5	---	---	SMALL STREET SIGN DOUBLE SIDED-CAPITAL CITY PATH SYMBOL
1-03	R9-7	Custom	18X24	3.00	---	---	---	1	---	---	7	---	---	KEEP BIKES LEFT PEDS RIGHT
1-04	R5-3	2S	24X24	4.00	---	---	---	---	---	---	---	---	1-05	NO MOTOR VEHICLES
1-05	R1-1	Custom	18X18	2.25	---	---	---	1	---	---	7	---	1-04	STOP SIGN
9-03	R1-1	Custom	18X18	2.25	---	---	---	1	---	---	8.5	---	---	STOP SIGN
9C-09	FISH	Custom	24X30	---	---	---	1	1	---	---	7	---	---	FISH FOR FOOD SIGN
9-26	R9-7	Custom	18X24	3.00	---	---	---	1	---	---	8.5	---	9C-08	KEEP LEFT BIKES RIGHT PEDS
9C-08	RIDE	Custom	24X18	---	---	---	1	---	---	---	---	---	9-26	RIDE SLOWLY WHEN CROWDED
9C-10	BK RTE CCTRL	Custom	24X30	---	---	---	1	---	1	---	8.5	---	9C-11, 9C-12	BIKE ROUTE SIGN CAPITAL CITY TRAIL
9C-11	D3-1	Custom	24X8	---	---	---	1	---	---	---	---	---	9C-10, 9C-12	SMALL STREET SIGN DOUBLE SIDED-CAPITAL CITY PATH NO MOTORIZED VEHICLES
9C-12	D3-1	Custom	24X8	---	---	---	1	---	---	---	---	---	9C-10, 9C-11	SMALL STREET SIGN DOUBLE SIDED-BRITTINGHAM PARK PATH
9C-13	PARK RULES	Custom	24X36	---	---	---	1	1	---	---	7.5	---	---	CITY PARK RULES
9C-14	BK RTE DIR	Custom	24X30	---	---	---	1	---	---	---	---	---	9C-15, 9C-16	BIKE ROUTE WITH UP AND RIGHT ARROWS
9C-15	BK RTE LKLP	Custom	24X30	---	---	---	1	---	---	---	---	---	9C-14, 9C-16	BIKE ROUTE LAKE LOOP
9C-16	M7-2	2S	12X9	---	---	---	1	---	---	---	---	---	9C-14, 9C-15	ARROW UP (BICYCLE ROUTE)
9C-17	BK RTE DIR	Custom	24X30	---	---	---	1	1	---	---	11	---	9C-15, 9C-16	BIKE ROUTE WITH LEFT AND UP ARROWS
9C-18	BK RTE LKLP	Custom	24X30	---	---	---	1	---	---	---	---	---	9C-14, 9C-16	BIKE ROUTE LAKE LOOP
9C-19	M7-2	2S	12X9	---	---	---	1	---	---	---	---	---	9C-14, 9C-15	ARROW UP (BICYCLE ROUTE)
10C-06	PARK RULES	Custom	24X36	---	---	---	1	1	---	---	7.5	---	---	CITY PARK RULES
10-31	R9-7	Custom	18X24	3.00	---	---	---	---	---	---	---	---	LP	KEEP LEFT BIKES RIGHT PEDS
10C-08	PLANET	Custom	54X30	---	---	---	1	2	---	---	14	---	10C-09	PLANET SIGN MERCURY
10C-09	PLANET	Custom	54X30	---	---	---	1	---	---	---	---	---	10C-08	PLANET SIGN MERCURY
12C-06	MADISON	Custom	60X30	---	---	---	1	2	---	1	14	---	---	CITY OF MADISON
PROJECT 5992-11-28 TOTALS:				23.75	---	---	17	14	1	1	116	---		
PROPOSALTOTALS:				375.00	241.00	81.14	37	71	14	1	143	759		

SIGNING REMOVALS

SIGN #	SIGN CODE	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21						
CATEGORY 0010						
1R-03	R2-1	---	1	2	1C-02	SPEED LIMIT 35 MPH
1C-02	M1-94	---	---	---	1R-03	E LAKESIDE ST
1R-04	R2-1	---	1	1	LP	SPEED LIMIT 35 MPH
2R-01	R7-4(MOD)	---	1	---	LP	NO STOPPING STANDING OR PARKING
3R-01	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
3R-02	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
3R-03	R2-1	---	1	---	3R-06 LP	SPEED LIMIT 35 MPH
3R-04	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
3R-05	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
3R-06	R2-1	---	---	---	3R-03 LP	SPEED LIMIT 35 MPH
4R-01	R7-4D	---	1	1	---	NO STOPPING STANDING OR PARKING
4R-02	W5-52R	---	1	1	---	CLEARANCE STRIPER DOWN LEFT
4R-03	W5-52L	---	1	1	---	CLEARANCE STRIPER DOWN RIGHT
4R-04	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
5R-01	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
5R-02	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
5R-03	R2-1	---	1	---	LP	SPEED LIMIT 35 MPH
5R-04	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
6R-01	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
6R-02	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
7R-01	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
7R-02	R7-66	---	1	---	7R-06 LP	MUNICIPAL PARKING REGULATIONS...
7R-03	R2-1	---	1	---	LP	SPEED LIMIT 35 MPH
R7-04	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
R7-05	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
R7-06	R7-66	---	---	---	7R-02 LP	MUNICIPAL PARKING REGULATIONS...
8R-01	R2-1	---	1	1	8R-02	SPEED LIMIT 35 MPH
8R-02	W5-52L	---	---	---	8R-01	CLEARANCE STRIPER DOWN RIGHT
8R-03	R2-1	---	1	---	LP	SPEED LIMIT 35 MPH
8R-04	W4-2R	---	1	1	---	LANE REDUCTION TRANSITION SYMBOL (RIGHT)
8R-05	W4-2R	---	1	---	8R-12/13/14 LP	LANE REDUCTION TRANSITION SYMBOL (RIGHT)
8R-06	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
8R-07	R14-1	---	1	1	8R-08	TRUCK ROUTE
8R-08	M6-1 (MOD)	---	---	---	8R-07	ARROW LEFT AND UP (TRUCK ROUTE)
8R-09	R14-1	---	1	1	8R-10	TRUCK ROUTE
8R-10	M7-1 MOD	---	---	---	8R-09	ARROW LEFT AND UP (TRUCK ROUTE)
8R-11	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
8R-12	W10-1	---	---	---	8R-05/13/14 LP	RAILROAD CROSSING
8R-13	W10-1A	---	---	---	8R-05/12/14 LP	EXEMPT (SEE R 15-3 ALSO)
8R-14	W10-1A MOD	---	---	---	8R-05/12/13 LP	NO TRAIN HORN
9R-01	R2-1	---	1	---	LP	SPEED LIMIT 35 MPH
9R-02	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
9C-01	D1-81	---	1	---	9C-02/03 LP	GUIDE SIGN LEFT ARROW TO IH 90/94-USH 151 BELTLINE HWY
9C-02	M1-90	---	---	---	9C-01/03 LP	FRANK LLOYD WRIGHT TRAIL
9C-03	M6-1	---	---	---	9C-01/02 LP	ARROW (RIGHT, LEFT, OR AHEAD)
9R-03	R7-1D	---	1	---	LP	NO PARKING ANY TIME (DOUBLE ARROW)
9R-04	J4-1	---	1	---	9R-05 LP	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)
9R-05	R7-1D	---	---	---	9R-04 LP	NO PARKING ANY TIME (DOUBLE ARROW)
9R-06	W12-1D	---	1	1	---	DOUBLE DOWN DIAGONAL ARROW
9R-07	J3-1	---	1	---	9C-04/05 LP	DIRECTIONAL ASSEMBLY (1 HEAD PANEL)

SIGNING REMOVALS CONTINUED

SIGN #	SIGN CODE	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21 CATEGORY 0010						
9C-04	M1-90	---	---	---	9R-07/9C-05 LP	FRANK LLOYD WRIGHT TRAIL
9C-05	M6-1	---	---	---	9R-07/9C-04 LP	ARROW (RIGHT, LEFT, OR AHEAD)
9R-08	R4-7	---	1	---	TS	KEEP RIGHT
9R-09	M1-94H	---	1	---	TS ARM	CROSS ROAD NAME FOR OVERHEAD STREET-NORTH SHORE DR RT ARROW
9R-10	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
9R-11	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
9C-06	D3-1	---	1	---	9R-12/13, 9C-07 TS	SMALL STREET SIGN DOUBLE SIDED-NORTH SHORE DR
9C-07	D3-1	---	---	---	9R-12/13, 9C-06 TS	SMALL STREET SIGN DOUBLE SIDED-JOHN NOLEN DR
9R-12	J3-1	---	1	---	9C-06/07, 9R-13 TS	DIRECTIONAL ASSEMBLY (1 HEAD PANEL)
9R-13	M1-94H	---	---	---	9C-06/07, 9R-12 TS ARM	CROSS ROAD NAME FOR OVERHEAD STREET-LT ARROW NORTH SHORE DR
10R-01	W12-1D	---	1	1	---	DOUBLE DOWN DIAGONAL ARROW
10R-02	W4-3R	---	1	1	---	ENTERING ROADWAY ADDED LANE SYMBOL FROM RIGHT
10R-03	J2-1	---	1	---	10R-04/05/06, 10R-09/10, 10C-01	ROUTE TURN ASSEMBLY (1 HEAD PANEL)
10R-04	W10-1	---	---	---	10R-03/05/06, 10R-09/10, 10C-01	RAILROAD CROSSING
10R-05	W10-1A	---	---	---	10R-03/04/06, 10R-09/10, 10C-01	EXEMPT (SEE R 15-3 ALSO)
10R-06	W10-1A MOD	---	---	---	10R-03/04/05, 10R-09/10, 10C-01	NO TRAIN HORN
10C-01	E10-82	---	1	---	10R-03/04/05/06, 10R-09/10 SB	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-ALLIANT ENERGY CENTER AHEAD ARROW
10C-02	E10-82	---	1	---	10R-07, 10C-03 SB	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-CAPITOL DOWNTOWN LEFT ARROW
10R-07	E11-1-F	1	---	---	10C-02/03 SB	EXIT (DOUBLE DOWN ARROWS) ONLY-BROOM ST EXIT ONLY
10C-03	E10-82	---	1	---	10R-07, 10C-02 SB	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-MONONA TERRACE AHEAD ARROW
10R-08	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
10R-09	E11-1	1	---	---	10R-03/04/05/06, 10R-10, 10C-01 SB	EXIT (SINGLE DOWN ARROW) ONLY NORTH SHORE DR EXIT ONLY
10R-10	R3-8	---	---	---	10R-03/04/05/06, 10R-11, 10C-01 SB	JOHN NOLEN DRIVE TO BELTLINE HWY
10R-11	W10-1	---	1	---	10R-12/13, 10R-14 LP	RAILROAD CROSSING
10R-12	W10-1A	---	---	---	10R-11/13, 10R-14 LP	EXEMPT (SEE R 15-3 ALSO)
10R-13	W10-1A MOD	---	---	---	10R-11/12, 10R-14 LP	NO TRAIN HORN
10R-14	R2-1	---	---	---	10R-12/13, 10R-14 LP	SPEED LIMIT 35 MPH
10R-15	R2-1	---	1	1	10R-16	SPEED LIMIT 35 MPH
10R-16	R7-1D	---	---	---	10R-15	NO PARKING ANY TIME (DOUBLE ARROW)
10R-17	W12-1D	---	1	---	---	DOUBLE DOWN DIAGONAL ARROW
10R-18	R14-1	---	1	1	10R-19	TRUCK ROUTE
10R-19	M7-1 MOD	---	---	---	10R-18	ARROW UP AND RIGHT (BICYCLE ROUTE)
10R-20	R14-1	---	1	---	10R-21 LP	TRUCK ROUTE
10R-21	M7-1 MOD	---	---	---	10R-20 LP	ARROW UP AND RIGHT (BICYCLE ROUTE)
10R-22	R7-1D	---	1	---	LP	NO PARKING ANY TIME (DOUBLE ARROW)
10C-04	D3-1	---	1	---	10C-05, 10R-23 TS	SMALL STREET SIGN DOUBLE SIDED-S BROOM ST
10C-05	D3-1	---	---	---	10C-04, 10R-23 TS	SMALL STREET SIGN DOUBLE SIDED-JOHN NOLEN DR
10R-23	R3-4	---	1	---	10C-04/05 TS	NO U TURN SYMBOL
10R-24	W12-1D	---	1	1	---	DOUBLE DOWN DIAGONAL ARROW
10R-25	R7-4(MOD)	---	1	---	TS	NO STOPPING STANDING OR PARKING
10R-28	M1-94H	---	1	---	10R-29, 10C-07 TS ARM	CROSS ROAD NAME FOR OVERHEAD STREET-LT ARROW S BROOM ST
10R-29	J4-1	---	1	---	10R-28, 10C-07 TS	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)
10C-07	M1-90	---	---	---	10R-28/29 TS	FRANK LLOYD WRIGHT TRAIL
10R-30	M1-94H	---	1	---	---	CROSS ROAD NAME FOR OVERHEAD STREET-S BROOM ST RT ARROW
10R-31	R3-4	---	1	---	TS	NO U TURN SYMBOL
10R-32	W12-1D	---	1	---	LP	DOUBLE DOWN DIAGONAL ARROW
10R-33	R4-7	---	1	1	---	KEEP RIGHT
10R-34	R1-1	---	1	1	---	STOP SIGN
11R-01	W10-1	---	1	1	11R-02/03	RAILROAD CROSSING
11R-02	W10-1A	---	---	---	11R-01/03	EXEMPT (SEE R 15-3 ALSO)
11R-03	W10-1A MOD	---	---	---	11R-01/02	NO TRAIN HORN
11R-04	W10-1	---	1	---	11R-05/06 LP	RAILROAD CROSSING
11R-05	W10-1A	---	---	---	11R-04/06 LP	EXEMPT (SEE R 15-3 ALSO)
11R-06	W10-1A MOD	---	---	---	11R-04/05 LP	NO TRAIN HORN
11C-01	M1-94	---	1	2	---	CROSS ROAD NAME-JOHN NOLEN DR

3

SIGNING REMOVALS CONTINUED

SIGN #	SIGN CODE	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON/SAME POST AS	REMARKS
PROJECT: 5992-11-21 CATEGORY 0010						
12R-01	W10-1	---	1	1	12R-02/03	RAILROAD CROSSING
12R-02	W10-1A	---	---	---	12R-01/03	EXEMPT (SEE R 15-3 ALSO)
12R-03	W10-1A MOD	---	---	---	12R-01/02	NO TRAIN HORN
12R-04	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
12C-01	D1-2	---	1	2	---	TWO DESTINATION (ARROWS) BROOM ST RT NORTH SHORE DR ADV RT ARROW
12R-05	W4-2L	---	1	---	LP	LANE REDUCTION TRANSITION SYMBOL (LEFT)
12R-06	R2-1	---	1	1	---	SPEED LIMIT 35 MPH
12R-07	R2-1	---	1	---	LP	SPEED LIMIT 35 MPH
12C-02	E10-82	---	1	---	LP	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-MONONA TERRACE PARKING
12R-08	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
12R-09	R7-4(MOD)	---	1	1	---	NO STOPPING STANDING OR PARKING
12C-03	E10-82	---	1	---	LP	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-MONONA TERRACE RT ARROW
12C-04	E10-82	---	1	1	---	TOURIST ORIENTED DIRECTIONAL SIGNS (TODS)-MONONA TERRACE RT ARROW
12C-05	D2-2	---	1	1	---	DESTINATION/DISTANCE (TWO DESTINATION)-BELTLINE HWY LEFT 2 LANES
PROJECT TOTALS 5992-11-21:		**2**	**83**	**49**		
PROJECT: 5992-11-28 CATEGORY 0050						
1R-01	R5-3	---	1	1	1R-02/1C-01	NO MOTOR VEHICLES
1R-02	R1-2	---	---	---	1R-01/1C-01	YIELD
1C-01	D4-1	---	---	---	1R-01/02	CAPITAL CITY PATH STREET SIGN
9C-08	RIDE	---	1	1	---	RIDE SLOWLY WHEN CROWDED
9C-09	FISH	---	1	1	---	FISH FOR RULES
9C-10	BIKE RTE	---	1	1	9C-11/12	CUSTOM BIKE ROUTE SIGN CAPITAL CITY TRAIL WITH UP AND RT ARROW
9C-11	D3-1	---	---	---	9C-10/12	SMALL STREET SIGN DOUBLE SIDED CAPITAL CITY TRAIL PATH NO MOTORIZED VEHICLES
9C-12	D3-1	---	---	---	9C-10/11	SMALL STREET SIGN DOUBLE SIDED BRITTINGHAM PARK PATH
9C-13	RULES	---	1	1	---	CITY PARK RULES
9C-14	BIKE RTE	---	---	---	9C-15/16 & 9C-17/18/19	CUSTOM BIKE ROUTE SIGN W ITH UP AND RT ARROW
9C-15	BIKE RTE	---	---	---	9C-14/16 & 9C-17/18/19	CUSTOM BIKE ROUTE SIGN LAKE LOOP
9C-16	M7-2	---	---	---	9C-14/15 & 9C-17/18/19	ARROW UP (BICYCLE ROUTE)
9C-17	BIKE RTE	---	---	---	9C-18/19 & 9C-14/15/16	CUSTOM BIKE ROUTE SIGN W ITH LT AND UP ARROW
9C-18	BIKE RTE	---	1	1	9C-17/19 & 9C-14/15/16	CUSTOM BIKE ROUTE SIGN LAKE LOOP
9C-19	M7-2	---	---	---	9C-17/18 & 9C-14/15/16	ARROW UP (BICYCLE ROUTE)
10R-26	BIKE OBEY	---	1	---	TS	BIKERS OBEY PED SIGNAL
10R-27	BIKE OBEY	---	1	---	TS	BIKERS OBEY PED SIGNAL
10C-06	RULES	---	1	1	---	CITY PARK RULES
10C-08	PLANET	---	1	2	10C-09	PLANET SIGN MERCURY
10C-09	PLANET	---	---	---	10C-08	PLANET SIGN MERCURY
12C-06	MADISON	---	1	2	---	CITY OF MADISON PLANET
PROJECT TOTALS 5992-11-28:		**---**	**11**	**11**		
PROPOSAL TOTALS:		**2**	**94**	**60**		

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FIXED MESSAGE SIGNING

PROJECT	CATEGORY	W (IN)	SIGN SIZE X	H (IN)	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE (SF)	NOTES
5992-11-21	CATEGORY 0010					
NO ACCESS TO NORTHBOUND JOHN NOLEN DR AHEAD		48	X	30	10	IN PLACE FOR PROJECT DURATION
CAPITAL CITY TRAIL DETOUR		18	X	12	30	IN PLACE FOR STAGE 3
PROJECT 5992-11-21 TOTAL					40	
PROPOSAL TOTAL					40	

TRAFFIC CONTROL

PROJECT	CATEGORY	STAGE	DAYS	643.0300 DRUMS (DAY)	643.0420 BARRICADES TYPE III (DAY)	643.0500 FLEXIBLE TUBULAR MARKERS POSTS (EACH	643.0600 FLEXIBLE TUBULAR MARKERS BASES (EACH)	643.0705 WARNING LIGHTS TYPE A (DAY)	643.0715 WARNING LIGHTS TYPE C (DAY)	643.0810.S CONNECTED ARROW BOARDS (DAY)	643.0900 SIGNS (DAY)	643.0910 COVERING SIGNS TYPE I (EACH)	643.0920 COVERING SIGNS TYPE II (EACH)	643.1050 PCMS (DAY)	643.1220.S CONNECTED START AND END LOCATION MARKERS (DAY)	SPV.0045.001 TEMPORARY RRFB (DAY)	REMARKS
5992-11-21	CATEGORY 0010																
		STAGE 1	15	11400	675	--	--	1020	1455	75	3300	1	2	28	60	--	COVERING SIGNS ONE CYCLE
		STAGE 2	275	100925	12925	156	156	14300	17600	1375	46750	--	--	21	1100	--	
		STAGE 2A	50	2500	1000	19	19	600	--	--	1280	--	2	7	--	--	COVERING SIGNS ONE CYCLE
		STAGE 2B	60	8880	2460	37	37	1920	1860	120	11220	1	6	7	--	120	COVERING SIGNS ONE CYCLE
		STAGE 3	340	153000	15980	140	140	19040	19040	1700	83300	--	--	28	1360	680	
		STAGE 4	30	16770	1020	--	--	1980	1830	120	5100	--	--	21	120	--	
		UNDISTRIBUTED		29355	3410	58	38	3894	4185	340	15098	1	1	-	270	--	
PROJECT 5992-11-21 TOTAL				322,830	37,470	410	390	42,754	45,970	3,730	166,048	3	11	112	2,910	800	

TEMPORARY PAVEMENT MARKING

PROJECT	CATEGORY	STAGE	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH YELLOW LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE LF	643.3270 TEMPORARY MARKING LINE 10-INCH EPOXY WHITE LF	643.3280 TEMPORARY MARKING LINE 10-INCH REMOVABLE TAPE WHITE LF	643.3320 TEMPORARY MARKING CROSSWALK EPOXY WHITE LF	643.3520 TEMPORARY MARKING ARROW EPOXY WHITE LF	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE WHITE LF	643.3620 TEMPORARY MARKING WORD EPOXY WHITE LF	643.3650 TEMPORARY MARKING WORD REMOVABLE TAPE WHITE LF	643.3820 TEMPORARY MARKING STOP LINE 18-INCH EPOXY WHITE LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
5992-11-21	CATEGORY 0010																	
		STAGE 1	1639	380	152	982	464	--	22	3	--	1	--	--	1353	--	--
		STAGE 2	6859	11267	--	--	652	--	68	11	3	1	--	111	2172	168	23
		STAGE 2A	--	--	383	906	--	--	--	--	--	--	--	--	--	--	--
		STAGE 2B	1143	1890	--	--	204	--	--	2	--	1	--	12	--	--	--
		STAGE 3	4459	12053	--	--	390	--	--	3	--	--	--	67	490	--	--
		STAGE 4	--	--	195	482	--	540	--	--	4	--	2	--	245	--	--
PROJECT 5992-11-21 TOTAL			14,100	25,590	730	2,370	1,710	540	90	19	7	3	2	190	4,260	168	23
			39,690		**3,100**												

PAVEMENT MARKING

PROJECT	CATEGORY	LOCATION	STATION - STATION	646.1020 MARKING LINE EPOXY 4-INCH (LF)	646.2020 MARKING LINE EPOXY 6-INCH (LF)	646.3020 MARKING LINE EPOXY 8-INCH (LF)	646.5020 MARKING ARROW EPOXY (EACH)	646.5120 MARKING WORD EPOXY (EACH)	646.5220 MARKING SYMBOL EPOXY (EACH)	646.5320 MARKING RAILROAD CROSSING EPOXY (EACH)	SPV.0090.011 MARKING STOP LINE EPOXY 24-INCH (LF)	646.7520 MARKING CROSSWALK EPOXY **BLOCK STYLE** 24-INCH (LF)	646.8120 MARKING CURB EPOXY (LF)	646.8220 MARKING ISLAND NOSE EPOXY (EACH)	646.7320 MARKING CHEVRON EPOXY 12-INCH (LF)
5992-11-21	CATEGORY 0010														
		JOHN NOLEN DRIVE	71+00 - 114+00	-	3,993	788	2	2	-	1	-	-	-	-	-
		JOHN NOLEN DRIVE	114+00 - 120+00	-	433	1,010	7	3	-	3	109	320	95	5	72
		JOHN NOLEN DRIVE	120+00 - 131+00	-	374	64	3	-	-	1	32	256	47	3	-
		BROOM STREET	700+59 'BSE - 701+83 'BSE'	-	89	179	3	-	-	-	36	276	10	1	-
		NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	-	75	852	6	-	-	2	91	502	-	-	135
	CATEGORY 0010 TOTAL			-	4964	2893	21	5	-	7	268	1354	152	9	207
PROJECT 5992-11-21 TOTAL				-	4964	2893	21	5	-	7	268	1354	152	9	207
5992-11-28	CATEGORY 0050														
		BIKE PATH NORTH SHORE DR	10+22 'BPN' - 16+50 'BPN'	331	-	-	-	-	-	-	-	-	-	-	-
		BIKE PATH BASSETT ST CONN.	25+63 'BPB' - 26+62 'BPB'	22	-	-	-	-	-	-	-	-	-	-	-
		BROOM STREET	700+59 'BSE - 701+83 'BSE'	32	-	-	-	-	-	-	-	-	-	-	-
		NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	45	-	-	-	-	-	-	-	-	-	-	-
		CAPITAL CITY TRAIL	69+79 'CT' - 114+00 'CT'	1,129	497	-	10	-	14	-	-	90	-	-	-
		CAPITAL CITY TRAIL	114+00 'CT' - 120+00 'CT'	119	-	-	4	-	5	-	-	60	-	-	-
		CAPITAL CITY TRAIL	120+00 'CT' - 131+00 'CT'	74	-	-	4	-	5	-	-	45	-	-	-
	CATEGORY 0050 TOTAL			1753	497	-	18	-	24	-	-	195	-	-	-
PROJECT 5992-11-28 TOTAL				1753	497	-	18	-	24	-	-	195	-	-	-
PROPOSAL TOTAL				1753	5461	2893	39	5	24	7	268	1549	152	9	207

PEDESTRIAN ACCOMMODATION

PROJECT	CATEGORY	STAGE	LOCATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT (SF)	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE (SF)	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING (SF)	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD (SF)	644.1810 TEMPORARY PEDESTRIAN BARRICADE (LF)
5992-11-21	CATEGORY 0010							
		STAGE 1	CAPITAL CITY TRAIL	--	--	4417	44	2989
			NORTH SHORE DRIVE	--	--	--	--	59
			BROOM STREET	--	--	--	43	479
			STAGE 1 SUBTOTAL	--	--	4417	87	3527
		STAGE 2	CAPITAL CITY TRAIL	--	--	--	--	--
			NORTH SHORE DRIVE	--	--	--	--	--
			BROOM STREET	--	--	136	20	144
			STAGE 2 SUBTOTAL	--	--	136	20	144
		STAGE 2A	BROOM STREET	--	--	122	--	622
			STAGE 2A SUBTOTAL	--	--	122	--	622
		STAGE 2B	NORTH SHORE DRIVE	--	--	645	22	686
			BROOM STREET	--	--	--	--	144
			STAGE 2B SUBTOTAL	--	--	645	22	830
		STAGE 3	CAPITAL CITY TRAIL	--	--	--	34	703
			NORTH SHORE DRIVE	--	--	--	--	40
			BROOM STREET	1860	--	--	--	384
			STAGE 3 SUBTOTAL	1860		--	34	1127
		STAGE 4	CAPITAL CITY TRAIL	--	--	--	--	--
			NORTH SHORE DRIVE	--	--	--	--	--
			BROOM STREET	--	--	--	--	--
			STAGE 4 SUBTOTAL	--	--	--	--	--
			UNDISTRIBUTED	--	500	--	--	--
PROJECT 5992-11-21 TOTAL				1,860	500	5,320	163	6,250
PROPOSAL TOTAL				1,860	500	5,320	163	6,250

SAW CUTS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	690.0150 SAWING ASPHALT (LF)	690.0250 SAWING CONCRETE (LF)
5992-11-21	CATEGORY 0010					
		STAGE 1	JOHN NOLEN DRIVE	71+00 - 114+00	220	871
			JOHN NOLEN DRIVE	114+00 - 120+00	537	127
			JOHN NOLEN DRIVE	120+00 - 131+00	104	1292
			STAGE 1 SUBTOTAL		861	2290
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	-	85
			JOHN NOLEN DRIVE	114+00 - 120+00	-	40
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-
			BIKE PATH BASSETT ST CONN.	25+63 'BPB' - 26+62 'BPB'	5	-
			STAGE 2 SUBTOTAL		5	125
		STAGE 2A	BROOM STREET	700+59 'BSE' - 701+83 'BSE'	0	35
			STAGE 2A SUBTOTAL		0	35
		STAGE 2B	NORTH SHORE DRIVE	10+00 'NSE' - 14+17 'NSE'	87	0
			STAGE 2B SUBTOTAL		87	0
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	-	62
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	17	37
			FISHING DOCK	415+00 'FD' - 415+95 'FD'	28	-
			STAGE 3 SUBTOTAL		45	99
PROJECT 5992-11-21 TOTAL					998	2,549

NAVIGATIONAL SYSTEM

PROJECT	CATEGORY	LOCATION	STATION	SPV.0060.031 PERMANENT NAVIGATIONAL BUOYS (EA)
5992-11-21	CATEGORY 0010			
		JOHN NOLEN DRIVE	STA 108+05	1
PROJECT 5992-11-21 TOTAL				1
PROPOSAL TOTAL				1

FISHING DOCK ABUTMENT

PROJECT	CATEGORY	STAGE	LOCATION	STATION	SPV.0060.033 FISHING DOCK ABUTMENT (EA)
5992-11-28	CATEGORY 0050				
		STAGE 3	JOHN NOLEN DRIVE	STA 123+50, RT	1
PROJECT 5992-11-28 TOTAL					1
PROPOSAL TOTAL					1

SETTLEMENT MONITORING

PROJECT	CATEGORY	LOCATION	STATION	SPV.0060.009 SETTLEMENT MONITORING (EA)
5992-11-21	CATEGORY 0010			
		JOHN NOLEN DRIVE	88+75	1
		JOHN NOLEN DRIVE	108+00	1
		JOHN NOLEN DRIVE	113+00	1
PROJECT 5992-11-21 TOTAL				3
PROPOSAL TOTAL				3

BIRD DETERRENT SYSTEM

PROJECT	STAGE	LOCATION	STRUCTURE	999.2000.S.001 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM STATION 88+50 (EACH)	999.2000.S.002 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM STATION 108+00 (EACH)	999.2000.S.003 INSTALLING AND MAINTAINING BIRD DETERRENT SYSTEM STATION 113+00 (EACH)
5992-11-23						
	STAGE 3	JOHN NOLEN DRIVE	B-13-332	1	-	-
PROJECT 5992-11-23 TOTAL				1	0	0
5992-11-24						
	STAGE 3	JOHN NOLEN DRIVE	B-13-333	-	1	-
PROJECT 5992-11-24 TOTAL				0	1	0
5992-11-26						
	STAGE 3	JOHN NOLEN DRIVE	P-13-755	-	-	1
PROJECT 5992-11-26 TOTAL				0	0	1
PROPOSAL TOTAL				1	1	1

HISTORICAL MONUMENTS

PROJECT	CATEGORY	STAGE	LOCATION	STATION	SPV.0060.025 REMOVE AND REINSTALL HISTORICAL MONUMENT (EA)	
5992-11-21	CATEGORY 0010					
		STAGE 3	JOHN NOLEN DRIVE	STA 120+72, RT	1	EXISTING JOHN NOLEN CAUSEWAY PLAQUE ON SIGN POST
			JOHN NOLEN DRIVE	STA 120+82, RT	1	EXISTING ROTARY JOGGING PATH PLAQUE ON ROCK
PROJECT 5992-11-21 TOTAL					2	
PROPOSAL TOTAL					2	

3

DEWATERING

PROJECT	CATEGORY	LOCATION	SPV.0060.001 DEWATERING PROJECT 5992-11-21 (EA)	SPV.0060.002 DEWATERING PROJECT 5992-11-22 (EA)	SPV.0060.003 DEWATERING PROJECT 5992-11-23 (EA)	SPV.0060.004 DEWATERING PROJECT 5992-11-24 (EA)	SPV.0060.005 DEWATERING PROJECT 5992-11-25 (EA)	SPV.0060.006 DEWATERING PROJECT 5992-11-26 (EA)	SPV.0060.007 DEWATERING PROJECT 5992-11-27 (EA)	SPV.0060.008 DEWATERING PROJECT 5992-11-28 (EA)
5992-11-21	CATEGORY 0010									
		PROJECT	1	-	-	-	-	-	-	-
PROJECT 5992-11-21 TOTAL			1	0	0	0	0	0	0	0
5992-11-22	CATEGORY 0010									
		PROJECT	-	1	-	-	-	-	-	-
PROJECT 5992-11-22 TOTAL			0	1	0	0	0	0	0	0
5992-11-23	CATEGORY 0010									
		PROJECT	-	-	1	-	-	-	-	-
PROJECT 5992-11-23 TOTAL			0	0	1	0	0	0	0	0
5992-11-24	CATEGORY 0010									
		PROJECT	-	-	-	1	-	-	-	-
PROJECT 5992-11-24 TOTAL			0	0	0	1	0	0	0	0
5992-11-25	CATEGORY 0010									
		PROJECT	-	-	-	-	1	-	-	-
PROJECT 5992-11-25 TOTAL			0	0	0	0	1	0	0	0
5992-11-26	CATEGORY 0010									
		PROJECT	-	-	-	-	-	1	-	-
PROJECT 5992-11-26 TOTAL			0	0	0	0	0	1	0	0
5992-11-27	CATEGORY 0010									
		PROJECT	-	-	-	-	-	-	1	-
PROJECT 5992-11-27 TOTAL			0	0	0	0	0	0	1	0
5992-11-28	CATEGORY 0010									
		PROJECT	-	-	-	-	-	-	-	1
PROJECT 5992-11-28 TOTAL			0	0	0	0	0	0	0	1
PROPOSAL TOTAL			1	1	1	1	1	1	1	1

CONSTRUCTION STAKING

PROJECT	CATEGORY	LOCATION	SPV.0060.016 CONSTRUCTION STAKING PROJECT 5992-11-21 (EA)	SPV.0060.017 CONSTRUCTION STAKING PROJECT 5992-11-22 (EA)	SPV.0060.018 CONSTRUCTION STAKING PROJECT 5992-11-23 (EA)	SPV.0060.019 CONSTRUCTION STAKING PROJECT 5992-11-24 (EA)	SPV.0060.020 CONSTRUCTION STAKING PROJECT 5992-11-25 (EA)	SPV.0060.021 CONSTRUCTION STAKING PROJECT 5992-11-26 (EA)	SPV.0060.022 CONSTRUCTION STAKING PROJECT 5992-11-27 (EA)	SPV.0060.023 CONSTRUCTION STAKING PROJECT 5992-11-28 (EA)
5992-11-21	CATEGORY 0010									
		PROJECT	1	-	-	-	-	-	-	-
PROJECT 5992-11-21 TOTAL			1	0	0	0	0	0	0	0
5992-11-22	CATEGORY 0010									
		PROJECT	-	1	-	-	-	-	-	-
PROJECT 5992-11-22 TOTAL			0	1	0	0	0	0	0	0
5992-11-23	CATEGORY 0010									
		PROJECT	-	-	1	-	-	-	-	-
PROJECT 5992-11-23 TOTAL			0	0	1	0	0	0	0	0
5992-11-24	CATEGORY 0010									
		PROJECT	-	-	-	1	-	-	-	-
PROJECT 5992-11-24 TOTAL			0	0	0	1	0	0	0	0
5992-11-25	CATEGORY 0010									
		PROJECT	-	-	-	-	1	-	-	-
PROJECT 5992-11-25 TOTAL			0	0	0	0	1	0	0	0
5992-11-26	CATEGORY 0010									
		PROJECT	-	-	-	-	-	1	-	-
PROJECT 5992-11-26 TOTAL			0	0	0	0	0	1	0	0
5992-11-27	CATEGORY 0010									
		PROJECT	-	-	-	-	-	-	1	-
PROJECT 5992-11-27 TOTAL			0	0	0	0	0	0	1	0
5992-11-28	CATEGORY 0050									
		PROJECT	-	-	-	-	-	-	-	1
PROJECT 5992-11-28 TOTAL			0	0	0	0	0	0	0	1
PROPOSAL TOTAL			1	1	1	1	1	1	1	1

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FENCING

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	SPV.0090.010 FENCE CHAIN LINK POLYMER COATED (LF)	SPV.0060.026 ACCESS GATE 3-FOOT POLYMER-COATED EACH
5992-11-21	CATEGORY 0010					
		STAGE 2	JOHN NOLEN DRIVE	71+00 - 114+00	2,787	5
			JOHN NOLEN DRIVE	114+00 - 120+00	-	-
			JOHN NOLEN DRIVE	120+00 - 131+00	-	-
		STAGE 2 SUBTOTAL			2,787	5
PROJECT 5992-11-21 TOTAL					2,787	5
PROPOSAL TOTAL					2,787	5

PAVEMENT CLEANUP

PROJECT	CATEGORY	STAGE	LOCATION	START STATION	END STATION	SPV.0075.001 PAVEMENT CLEANUP (HRS)
5992-11-21	CATEGORY 0010					
		STAGE 2	PROJECT	71+00	131+00	160
		STAGE 2 SUBTOTAL				160
		STAGE 3	PROJECT	71+00	131+00	290
		STAGE 3 SUBTOTAL				290
		STAGE 4	PROJECT	71+00	131+00	50
		STAGE 4 SUBTOTAL				50
PROJECT 5992-11-21 TOTAL						500
PROPOSAL TOTAL						500

SHORELINE REVETMENT

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	645.0120* GEOTEXTILE TYPE HR (SY)	SPV.0195.001 SHORELINE REVETMENT STONE (TON)
5992-11-28	CATEGORY 0010					
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	8,380	15,480
			JOHN NOLEN DRIVE	114+00 - 120+00	1,900	3,670
			JOHN NOLEN DRIVE	120+00 - 131+00	690	1,360
		CATEGORY 0010 TOTAL			10,970	20,510
PROJECT 5992-11-28 TOTAL					10,970	20,510
PROPOSAL TOTAL					10,970	20,510

*BID ITEMS LISTED ELSEWHERE SEE "EROSION CONTROL" & "FLAT STONE BLOCK"

STAMPING ASPHALT

PROJECT	CATEGORY	STAGE	LOCATION	STATION-STATION	SPV.0165.004 STAMPING ASPHALT (SF)
5992-11-28	CATEGORY 0050				
		STAGE 1	CAPITAL CITY TRAIL	120+00 'CT' - 131+00 'CT'	67
PROJECT 5992-11-28 TOTAL					67
PROPOSAL TOTAL					67

BIOFILTER BASIN

PROJECT	CATEGORY	STAGE	LOCATION	STATION-STATION	SPV.0035.001 PEA GRAVEL 3/8-INCH (CY)	SPV.0035.002 ENGINEERED SOIL (CY)	SPV.0060.034 UNDERDRAIN CLEANOUT 8-INCH (EA)	SPV.0180.002 IMPERMEABLE MEMBRANE (SY)	SPV.0060.035 STANDPIPE 12-INCH WITH GRATE (EA)	602.3010 CONCRETE SURFACE DRAINS (CY)
5992-11-21	CATEGORY 0010									
		STAGE 3	CAPITAL CITY TRAIL	84+40'CT' - 85+28'CT'	18	207	1	101	1	2
		STAGE 3	CAPITAL CITY TRAIL	98+66'CT' - 99+94'CT'	16	182	1	118	1	2
PROJECT 5992-11-21 TOTAL					34	388	2	219	2	4
PROPOSAL TOTAL					34	388	2	219	2	4

PAVEMENT SUPPORT SYSTEM

PROJECT	CATEGORY	STAGE	LOCATION	STATION-STATION	SPV.0165.005 PAVEMENT SUPPORT SYSTEM (SF)
5992-11-21	CATEGORY 0010				
		STAGE 3	CAPITAL CITY TRAIL	81+81'CT' - 83+18'CT'	1,649
		STAGE 3	CAPITAL CITY TRAIL	84+40'CT' - 85+28'CT'	1,544
		STAGE 3	CAPITAL CITY TRAIL	98+66'CT' - 99+94'CT'	1,536
		STAGE 3	CAPITAL CITY TRAIL	103+75'CT' - 104+75'CT'	1,200
PROJECT 5992-11-21 TOTAL					5,929
PROPOSAL TOTAL					5,929

FLAT STONE BLOCKS

PROJECT	CATEGORY	STAGE	LOCATION	STATION - STATION	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH (TON)	645.0120* GEOTEXTILE TYPE HR (SY)	SPV.0165.001 FLAT STONE BLOCKS (SF)
5992-11-21	CATEGORY 0010						
		STAGE 3	JOHN NOLEN DRIVE	71+00 - 114+00	1,150	1,540	4,420
			JOHN NOLEN DRIVE	114+00 - 120+00	0	0	0
			JOHN NOLEN DRIVE	120+00 - 131+00	0	0	0
	CATEGORY 0010 TOTAL				1,150	1,540	4,420
PROJECT 5992-11-21 TOTAL					1,150	1,540	4,420
PROPOSAL TOTAL					1,150	1,540	4,420

*BID ITEMS LISTED ELSEWHERE SEE "TEMPORARY PAVEMENT ITEMS", "BASE AGGREGATE & SELECT CRUSH ITEMS", "EROSION CONTROL", & "SHORELINE REVETMENT"

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

3

TRAFFIC SIGNAL REMOVALS

ITEM	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES (EACH)	204.9060.S.003 REMOVING TRAFFIC SIGNAL (JOHN NOLEN DRIVE & NORTH SHORE DRIVE) (EACH)	204.9060.S.004 REMOVING TRAFFIC SIGNAL (JOHN NOLEN DRIVE & BROOM STREET) (EACH)	653.0905* REMOVING PULL BOXES (EACH)
5992-11-21 CATEGORY 0010							
JOHN NOLEN DRIVE & NORTH SHORE DRIVE							
EXSL4327	114+61 'SB'	58.0	LT	1	--	--	--
EXTS1	115+09 'SB'	36.0	LT	1	--	--	--
EXTS2	116+13 'SB'	42.1	LT	1	--	--	--
EXTS3	116+26 'SB'	2.2	RT	1	--	--	--
EXSL4325	116+02 'NB'	30.8	RT	1	--	--	--
EXTS4	115+40 'NB'	36.5	RT	1	--	--	--
EXTS5	115+16 'NB'	38.0	RT	1	--	--	--
EXSL4327	115+19 'SB'	0.1	RT	1	--	--	--
EXTS6	114+63 'SB'	7.7	RT	1	--	--	--
EXPBX033	114+69 'SB'	65.7	LT	--	--	--	1
EXPBX016	115+07 'SB'	44.9	LT	--	--	--	1
EXPBX017	115+12 'SB'	67.4	LT	--	--	--	1
EXPBX021	115+62 'SB'	57.4	LT	--	--	--	1
EXPBX022	116+10 'SB'	59.8	LT	--	--	--	1
EXPBX020	116+14 'SB'	5.3	LT	--	--	--	1
EXPBX019	116+11 'NB'	30.9	RT	--	--	--	1
EXPBX018	115+97 'NB'	35.7	RT	--	--	--	1
EXPBX014	115+07 'NB'	37.0	RT	--	--	--	1
EXPBX015	114+95 'SB'	4.2	RT	--	--	--	1
EXPBX034	114+34 'NB'	5.6	LT	--	--	--	1
EXPBX013	114+19 'SB'	37.2	LT	--	--	--	1
TC1	114+36 'SB'	56.8	LT	1	--	--	--
	INTERSECTION			--	1	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL				10	1	0	12

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL REMOVALS (CONTINUED)

ITEM	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES (EACH)	204.9060.S.003 REMOVING TRAFFIC SIGNAL (JOHN NOLEN DRIVE & NORTH SHORE DRIVE) (EACH)	204.9060.S.004 REMOVING TRAFFIC SIGNAL (JOHN NOLEN DRIVE & BROOM STREET) (EACH)	653.0905* REMOVING PULL BOXES (EACH)
5992-11-21 CATEGORY 0010							
JOHN NOLEN DRIVE & BROOM STREET							
EXTS7	120+45 'SB'	66.1	LT	1	--	--	--
EXSL4320	121+01 'SB'	54.5	LT	1	--	--	--
EXSL4318	121+72 'SB'	52.3	LT	1	--	--	--
EXTS8	121+80 'SB'	2.0	LT	1	--	--	--
EXTS9	121+40 'NB'	27.3	RT	1	--	--	--
EXTS10	121+23 'NB'	9.8	LT	1	--	--	--
EXTS11	121+16 'NB'	30.2	RT	1	--	--	--
EXTS12	121+10 'NB'	14.0	LT	1	--	--	--
EXTS13	121+03 'NB'	7.8	LT	1	--	--	--
EXSL4319	120+81 'NB'	27.1	RT	1	--	--	--
EXTS14	120+84 'NB'	6.9	LT	1	--	--	--
EXSL4321	120+63 'SB'	4.1	LT	1	--	--	--
EXTS15	120+34 'SB'	4.8	LT	1	--	--	--
EXPBX026	120+83 'SB'	101.9	LT	--	--	--	1
EXPBX023	120+45 'SB'	65.8	LT	--	--	--	1
EXPBX027	121+02 'SB'	60.5	LT	--	--	--	1
EXPBX031	121+71 'SB'	47.8	LT	--	--	--	1
EXPBX036	121+75 'SB'	97.2	LT	--	--	--	1
EXPBX030	121+74 'SB'	3.5	LT	--	--	--	1
EXPBX029	121+36 'NB'	6.5	LT	--	--	--	1
EXPBX028	121+47.2 'NB'	26.6	RT	--	--	--	1
EXPBX023	120+56 'NB'	26.9	RT	--	--	--	1
EXPBX024	120+61 'NB'	5.4	LT	--	--	--	1
EXPBX037	118+39 'SB'	11.6	LT	--	--	--	1
EXPBX025	120+73 'SB'	6.1	LT	--	--	--	1
TC2	120+40 'SB'	66.1	LT	1	--	--	--
	INTERSECTION			--	--	1	--
JOHN NOLEN DRIVE & BROOM STREET TOTAL				14	0	1	12
CATEGORY 0010 TOTAL				**24**	**1**	**1**	**24**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

3

STREET LIGHTING REMOVALS

	ITEM	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES (EACH)	204.9060.S.002 REMOVING STREET LIGHT ASSEMBLY (EACH)	204.9090.S.001* REMOVING OR ABANDONING EXISTING CONDUIT (LF)	204.9090.S.002* REMOVING ELECTRICAL CABLES FROM EXISTING CONDUIT (LF)	653.0905* REMOVING PULL BOXES (EACH)	659.5000.S LAMP, BALLAST, LED SWITCH DISPOSAL BY CONTRACTOR (EACH)
5992-11-21	**CATEGORY 0010**									
	EXSL4443	72+98 'NB'	42.2	RT	1	1	--	--	--	1
	EXSL4442	73+97 'SB'	49.8	LT	1	1	--	--	--	1
	EXSL4441	74+88 'NB'	40.6	RT	1	1	--	--	--	1
	EXSL4440	75+78 'SB'	38.1	LT	1	1	--	--	--	1
	EXSL4439	76+88 'NB'	38.1	RT	1	1	--	--	--	1
	EXPB04	74+54 'NB'	40.0	RT	--	--	--	--	1	--
	EXSL4438	77+80 'SB'	30.8	LT	1	1	--	--	--	1
	EXPBX05	77+76 'NB'	34.4	RT	--	--	--	--	1	--
	EXSL4437	78+87 'NB'	34.2	RT	1	1	--	--	--	1
	EXSL4436	79+84 'SB'	30.7	LT	1	1	--	--	--	1
	EXSL(BASE ONLY)	81+74 'SB'	34.1	LT	1	--	--	--	--	--
	EXSL4435	80+66 'NB'	40.7	RT	1	1	--	--	--	1
	EXSL4434	82+07 'NB'	0.3	LT	1	1	--	--	--	1
	EXPBX06	80+13 'NB'	38.9	RT	--	--	--	--	1	--
	EXSL(BASE ONLY)	83+91 'SB'	34.9	LT	1	--	--	--	--	--
	EXSL4433	84+06 'NB'	1.2	LT	1	1	--	--	--	1
	EXSL(BASE ONLY)	85+65 'SB'	36.0	LT	1	--	--	--	--	--
	EXSL4432	86+00 'NB'	1.1	RT	1	1	--	--	--	1
	EXSL(BASE ONLY)	87+64 'SB'	31.4	LT	1	--	--	--	--	--
	EXSL4431	87+94 'NB'	0.8	RT	1	1	--	--	--	1
	EXPBX038	87+95 'SB'	28.3	LT	--	--	--	--	1	--
	EXSL(BASE ONLY)	89+55 'SB'	32.1	LT	1	--	--	--	--	--
	EXSL4430	89+83 'NB'	3.3	RT	1	1	--	--	--	1
	EXSL(BASE ONLY)	91+57 'SB'	31.4	LT	1	--	--	--	--	--
	EXSL4429	91+72 'NB'	5.8	RT	1	1	--	--	--	1
	EXSL4338	93+62 'NB'	8.4	RT	1	1	--	--	--	1
	EXSL4337	95+53 'NB'	10.7	RT	1	1	--	--	--	1
	EXSL4336	97+44 'NB'	10.5	RT	1	1	--	--	--	1
	EXSL4335	99+35 'NB'	9.5	RT	1	1	--	--	--	1
	EXSL4334	101+26 'NB'	7.5	RT	1	1	--	--	--	1
	EXSL4333	103+10 'NB'	8.9	RT	1	1	--	--	--	1
	EXSL4332	105+10 'NB'	8	RT	1	1	--	--	--	1
	EXSL4331	107+11 'NB'	7.9	RT	1	1	--	--	--	1
	EXSL4330	109+08 'NB'	11.9	RT	1	1	--	--	--	1
	CATEGORY 0010 SUBTOTAL				30	24	0	0	4	24

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

** PAST THE PROJECT ALIGNMENT

STREET LIGHTING REMOVALS (CONTINUED)

ITEM	STATION	OFFSET	R/L	204.0195* REMOVING CONCRETE BASES (EACH)	204.9060.S.002 REMOVING STREET LIGHT ASSEMBLY (EACH)	204.9090.S.001* REMOVING OR ABANDONING EXISTING CONDUIT (LF)	204.9090.S.002* REMOVING ELECTRICAL CABLES FROM EXISTING CONDUIT (LF)	653.0905* REMOVING PULL BOXES (EACH)	659.5000.S LAMP, BALLAST, LED SWITCH DISPOSAL BY CONTRACTOR (EACH)
5992-11-21 CATEGORY 0010									
EXSL4329	11+10 'NB'	11.6	RT	1	1	--	--	--	1
EXPBX09	107+08 'SB'	37.4	LT	--	--	--	--	1	--
EXPBX10	109+24 'SB'	27.7	LT	--	--	--	--	1	--
EXSL4328	112+97 'NB'	0.5	LT	1	1	--	--	--	1
EXSL4318	114+61 'SB'	131.5	LT	1	1	--	--	--	1
EXSL4317	116+08 'SB'	128.8	LT	1	1	--	--	--	1
EXSL4324	116+07 'SB'	54.6	LT	1	1	--	--	--	1
EXSL4323	116+98 'SB'	6.8	LT	1	1	--	--	--	1
EXPBX11	111+89 'SB'	21.6	LT	--	--	--	--	1	--
EXPBX12	111+99 'SB'	24.8	LT	--	--	--	--	1	--
EXSL4327	114+61 'SB'	58.0	LT	--	1	--	--	--	1
EXSL4325	116+02 'NB'	30.8	RT	--	1	--	--	--	1
EXSL4327	115+19 'SB'	0.1	RT	--	1	--	--	--	1
EXSL797	10+84 'NSW'	30.3	LT	1	1	--	--	--	1
EXSL798	11+37 'NSE'	36.9	RT	1	1	--	--	--	1
EXSL799	12+80 'NSW'	38.0	LT	1	1	--	--	--	1
EXSL4322	118+80 'SB'	7.1	LT	1	1	--	--	--	1
EXSL2028	120+97 'SB'	140.8	LT	1	1	--	--	--	1
EXSL4317	122+35 'SB'	1.6	RT	1	1	--	--	--	1
EXSL4320	121+01 'SB'	54.5	LT	--	1	--	--	--	1
EXSL4318	121+72 'SB'	52.3	LT	--	1	--	--	--	1
EXSL4319	120+81 'NB'	27.1	RT	--	1	--	--	--	1
EXSL4321	120+63 'SB'	4.1	LT	--	1	--	--	--	1
EXSL4316	124+29 'SB'	6.8	RT	1	1	--	--	--	1
EXSL4315	126+11 'SB'	4.6	RT	1	1	--	--	--	1
EXSL4314	127+75 'SB'	4.7	RT	1	1	--	--	--	1
EXPBX032	127+56 'SB'	5.4	RT	--	--	--	--	1	--
EXSL4313	129+17 'NB'	14.4	LT	1	1	--	--	--	1
EXSL4312	**	**	**	1	1	--	--	--	1
EXSL4311	**	**	**	1	1	--	--	--	1
EXPBX039	129+07 'NB'	14.3	LT	--	--	--	--	1	--
LC4327	114+26 'SB'	55.3	LT	1	--	--	--	--	--
	UNDISTRIBUTED			--	--	7,500	7,800	--	--
CATEGORY 0010 SUBTOTAL				19	25	7,500	7,800	6	25
CATEGORY 0010 TOTAL				**49**	**49**	**7,500**	**7,800**	**10**	**49**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONDUIT

				652.0225*	652.0235*	652.0325*	652.0335	655.0620*	655.0625*	652.0700.S*	
				CONDUIT RIGID NONMETALLIC SCHEDULE 40		CONDUIT RIGID NONMETALLIC SCHEDULE 80		ELECTRICAL WIRE LIGHTING		INSTALL CONDUIT INTO	
LOCATION	FROM	-	TO	2-INCH (LF)	3-INCH (LF)	2-INCH (LF)	3-INCH (LF)	8 AWG (LF)	6 AWG (LF)	EXISTING ITEM (EACH)	COMMENTS
5992-11-21	**CATEGORY 0010**										
JOHN NOLEN DRIVE & NORTH SHORE DRIVE											
	TC1	-	HH16	--	48	--	--	--	--	--	(2)--3"
	HH16	-	HH17	--	110	--	--	--	--	--	(2)--3"
	HH16	-	TS18	29	--	--	--	--	--	--	--
	HH15	-	HH16	--	--	--	74	--	--	--	(2)--3"
	HH15	-	HH14	--	--	--	88	--	--	--	(2)--3"
	HH15	-	HH25	--	--	192	--	--	--	--	--
	HH15	-	TS14	28	--	--	--	--	--	--	--
	HH15	-	TS15	48	--	--	--	--	--	--	--
	HH15	-	TS16	65	--	--	--	152	456	--	--
	HH15	-	TS17	88	--	--	--	--	--	--	--
	HH14	-	HH24	--	378	--	--	--	--	--	(2)--3"
	HH14	-	TS12	84	--	--	--	--	--	--	--
	HH14	-	TS13	64	--	--	--	--	--	--	--
	HH17	-	HH18	--	--	--	104	--	--	--	(2)--3"
	HH17	-	TS1	6	--	--	--	--	--	--	--
	HH17	-	HH21	--	--	--	68	--	--	--	(2)--3"
	HH18	-	HH19	--	--	--	126	--	--	--	(2)--3"
	HH19	-	HH20	--	--	--	86	--	--	--	(2)--3"
	HH20	-	HH23	--	192	--	--	--	--	--	(2)--3"
	HH21	-	TS2	34	--	--	--	--	--	--	--
	HH21	-	TS3	42	--	--	--	--	--	--	--
	HH21	-	TS4	17	--	--	--	56	168	--	--
	HH21	-	HH22	--	--	--	172	--	--	--	(2)--3"
	HH22	-	TS5	4	--	--	--	--	--	--	--
	HH22	-	TS6	30	--	--	--	--	--	--	--
	HH22	-	HH23	--	--	--	64	--	--	--	(2)--3"
	HH23	-	TS7	7	--	--	--	--	--	--	--
	HH23	-	HH26	--	--	--	90	--	--	--	(2)--3"
	HH24	-	TS10	14	--	--	--	50	125	--	--
	HH24	-	TS11	48	--	--	--	--	--	--	--
	HH24	-	HH25	--	--	--	94	--	--	--	(2)--3"
	HH24	-	HH34	436	--	--	--	--	--	--	--
	HH25	-	TS9	15	--	--	--	--	--	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE SUBTOTAL				1,059	728	192	966	258	749	0	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONDUIT (CONTINUED)

LOCATION	FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH (LF)	652.0325* CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH (LF)	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH (LF)	655.0620* ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625* ELECTRICAL WIRE LIGHTING 6 AWG (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	COMMENTS
5992-11-21	**CATEGORY 0010**										
JOHN NOLEN DRIVE & NORTH SHORE DRIVE (CONTINUED)											
	HH25	-	HH26	--	--	--	118	--	--	--	(2)--3"
	HH26	-	TS8	12	--	--	--	46	92	--	--
	HH26	-	HH27	110	--	--	--	--	--	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE SUBTOTAL				122	0	0	118	46	92	0	
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL				1,181	728	192	1,084	304	841	0	
5992-11-21	**CATEGORY 0010**										
JOHN NOLEN DRIVE & BROOM STREET											
	TC2	-	HH29	--	28	--	--	--	--	--	(1)--3"
	HH29	-	HH28	--	--	--	100	--	--	--	(2)--3"
	HH29	-	HH30	--	60	--	--	--	--	--	(2)--3"
	HH29	-	TS36	15	--	--	--	--	--	--	--
	HH28	-	HH38	--	--	167	--	--	--	--	--
	HH28	-	TS34	11	--	--	--	--	--	--	--
	HH28	-	TS35	8	--	--	--	38	114	--	--
	HH30	-	HH31	--	--	--	96	--	--	--	(2)--3"
	HH30	-	EX CONDUIT	304	--	--	--	--	--	2	--
	HH30	-	TS19	8	--	--	--	--		--	--
	HH30	-	TS20	45	--	--	--	--	--	--	--
JOHN NOLEN DRIVE & BROOM STREET SUBTOTAL				391	88	167	196	38	114	2	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONDUIT (CONTINUED)

LOCATION	FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH (LF)	652.0325* CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH (LF)	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH (LF)	655.0620* ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625* ELECTRICAL WIRE LIGHTING 6 AWG (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	COMMENTS
5992-11-21	**CATEGORY 0010**										
JOHN NOLEN DRIVE & BROOM STREET (CONTINUED)											
	HH31	-	HH32	--	--	--	116	--	--	--	(2)--3"
	HH31	-	TS21	6	--	--	--	17	51	--	--
	HH32	-	EX CONDUIT	318	--	--	--	--	--	2	--
	HH32	-	HH33	--	116	--	--	--		--	(2)--3"
	HH32	-	TS22	6	--	--	--	--	--	--	--
	HH32	-	TS23	18	--	--	--	--	--	--	--
	HH33	-	HH38	--	--	--	106	--	--	--	(2)--3"
	HH33	-	TS24	26	--	--	--	--	--	--	--
	HH28	-	HH34	--	--	--	106	--	--	--	(2)--3"
	HH34	-	HH35	--	138	--	--	--	--	--	(2)--3"
	HH34	-	HH37	180	--	--	--	--	--	--	--
	HH34	-	TS33	5	--	--	--	--	--	--	--
	HH35	-	HH36	--	180	--	--	--	--	--	(2)--3"
	HH35	-	TS32	29	--	--	--	--	--	--	--
	HH36	-	HH38	--	--	--	84	--	--	--	(2)--3"
	HH36	-	TS30	23	--	--	--	--	--	--	--
	HH36	-	TS31	39	--	--	--	--	--	--	(2)--3"
	HH37	-	EX CONDUIT	72	--	--	--	--	--	1	--
	HH38	-	TS25	23	--	--	--	--	--	--	--
	HH38	-	TS26	22	--	--	--	66	198	--	--
	HH38	-	HH39	42	--	--	--	--	--	--	--
	HH39	-	TS27	7	--	--	--	--	--	--	--
	HH39	-	TS28	14	--	--	--	--	--	--	--
	HH39	-	TS29	7	--	--	--	--	--	--	--
	HH38	-	HH40	388	--	--	--	--	--	--	--
	HH40	-	HH41	301	--	--	--	--	--	--	--
	HH41	-	HH42	301	--	--	--	--	--	--	--
	HH42	-	EXHH	124	--	--	--	--	--	1	--
JOHN NOLEN DRIVE & BROOM STREET SUBTOTAL				1,951	434	0	412	83	249	4	
JOHN NOLEN DRIVE & BROOM STREET TOTAL				2,342	522	167	608	121	363	6	
CATEGORY 0010 TOTAL				**3,523**	**1,250**	**359**	**1,692**	**425**	**1,204**	**6**	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	652.0240 CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH (LF)	652.0325* CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH (LF)	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LF)	655.0620* ELECTRICAL WIRE LIGHTING 8 AWG (LF)	655.0625* ELECTRICAL WIRE LIGHTING 6 AWG (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	REMARKS
5992-11-21 CATEGORY 0010										
EXPBX03	-	SL100	102	--	--	--	113	339	1	--
SL100	-	SL101	200	--	--	--	210	630	--	--
SL101	-	SL102	183	--	--	--	193	579	--	--
SL102	-	SL103	191	--	--	--	201	603	--	--
SL103	-	SL104	188	--	--	--	198	594	--	--
SL104	-	SL105	176	--	--	--	186	558	--	--
SL105	-	SL106	191	--	--	--	201	603	--	--
SL106	-	SL107	176	--	--	--	186	558	--	--
SL107	-	HH1	157	--	--	--	168	504	--	--
HH1	-	SL108	9	--	--	--	40	120	--	--
HH1	-	HH2	--	--	37	--	49	147	--	--
HH1	-	HH46	--	--	35	--	47	141	--	--
HH2	-	HH3	188	--	--	--	200	600	--	--
HH3	-	HH4	--	--	37	--	49	147	--	--
HH46	-	HH48	202	--	--	--	214	642	--	--
HH48	-	HH4	--	--	35	--	47	141	--	--
HH4	-	SL109	7	--	--	--	18	54	--	--
SL109	-	SL110	190	--	--	--	200	600	--	--
SL110	-	SL111	186	--	--	--	196	588	--	--
SL111	-	SL112	185	--	--	--	195	585	--	--
SL112	-	SL113	190	--	--	--	200	600	--	--
SL113	-	SL114	211	--	--	--	221	663	--	--
SL114	-	SL115	131	--	--	--	141	423	--	--
SL115	-	SL116	181	--	--	191	--	--	--	TRACER WIRE ONLY
SL116	-	SL117	181	--	--	--	191	573	--	--
SL117	-	SL118	181	--	--	--	191	573	--	--
SL118	-	HH5	58	--	--	--	69	207	--	--
HH5	-	HH6	--	--	43	54	--	--	--	TRACER WIRE ONLY
HH6	-	SL120	130	--	--	141	--	--	--	TRACER WIRE ONLY
SL120	-	HH8	127	--	--	--	138	276	--	--
HH5	-	HH7	--	--	32	--	44	132	--	--
HH7	-	SL119	131	--	--	--	142	426	--	--
SL119	-	HH10	130	--	--	--	141	423	--	--
CATEGORY 0010 SUBTOTAL			4,182	0	219	386	4,389	13,029	1	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING CONDUIT AND WIRE (CONTINUED)

			652.0225*	652.0240	652.0325*	655.0610*	655.0620*	655.0625*	652.0700.S*	
			CONDUIT RIGID NONMETALLIC			ELECTRICAL WIRE LIGHTING				
			SCHEDULE 40 2-INCH	SCHEDULE 40 4-INCH	SCHEDULE 80 2-INCH	12 AWG	8 AWG	6 AWG	INSTALL CONDUIT INTO EXISTING ITEM	
FROM	-	TO	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)	REMARKS
5992-11-21 CATEGORY 0010										
HH10	-	HH9	--	--	33	--	45	135	--	--
HH9	-	HH8	--	--	46	--	58	116	--	--
HH9	-	SL121	50	--	--	--	122	305	--	--
SL121	-	HH11	182	--	--	--	193	579	--	--
HH11	-	SL122	12	--	--	--	46	138	--	--
HH11	-	HH12	--	--	37	--	49	147	--	--
HH12	-	SL123	139	--	--	--	150	450	--	--
SL123	-	HH16	137	--	--	--	148	444	--	--
HH16	-	LC4327	24	--	--	--	80	240	--	--
LC4327	-	TC1	14	--	--	--	68	204	--	--
HH11	-	HH13	--	--	44	56	--	--	--	TRACER WIRE ONLY
HH13	-	SL124	278	--	--	290	--	--	--	TRACER WIRE ONLY
SL124	-	HH14	268	--	--	--	279	558	--	--
HH14	-	HH24	189	--	--	--	402	1,005	--	--
HH24	-	HH25	47	--	--	--	59	177	--	--
HH14	-	HH15	--	--	44	--	56	168	--	--
HH15	-	HH16	--	--	37	--	49	147	--	--
HH16	-	HH17	54	--	--	--	132	396	--	--
HH17	-	HH19	52	--	--	--	64	192	--	--
HH19	-	HH22	--	--	60	72	--	--	--	TRACER WIRE ONLY
HH19	-	SL126	81	--	--	--	92	276	--	--
SL126	-	EXSL798	58	--	--	--	68	204	1	--
HH17	-	HH21	--	--	34	--	46	138	--	--
HH21	-	HH22	--	--	86	--	98	294	--	--
HH22	-	HH23	--	--	32	--	44	132	--	--
HH23	-	SL125	49	--	--	--	60	180	--	--
SL125	-	HH24	48	--	--	--	59	177	--	--
HH24	-	SL127	66	--	--	--	77	231	--	--
SL127	-	EXSL797	203	--	--	--	213	639	--	--
HH23	-	HH26	46	--	--	--	116	232	--	--
HH26	-	HH25	--	--	59	71	--	--	--	TRACER WIRE ONLY
HH25	-	SL128	132	--	--	--	142	426	2	--
SL128	-	SL129	150	--	--	--	160	480	--	--
CATEGORY 0010 SUBTOTAL			2,279	0	512	489	3,175	8,810	3	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

3

STREET LIGHTING CONDUIT AND WIRE (CONTINUED)

			652.0225*	652.0240	652.0325*	655.0610*	655.0620*	655.0625*	652.0700.S*	
			CONDUIT RIGID NONMETALLIC			ELECTRICAL WIRE				
			SCHEDULE 40	SCHEDULE 40	SCHEDULE 80	LIGHTING			INSTALL CONDUIT INTO	
			2-INCH	4-INCH	2-INCH	12 AWG	8 AWG	6 AWG	EXISTING ITEM	
FROM	-	TO	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EACH)	REMARKS
5992-11-21 CATEGORY 0010										
SL129	-	TS35	157	--	--	--	167	501	--	--
HH28	-	HH38	--	--	167	--	179	537	--	--
HH28	-	HH29	--	--	50	--	62	186	--	--
HH29	-	HH30	30	--	--	--	42	126	--	--
HH30	-	SL130	54	--	--	--	65	195	--	--
SL130	-	EX CONDUIT	108	--	--	119	--	--	--	TRACER WIRE ONLY
HH30	-	HH31	--	--	48	--	60	180	--	--
HH31	-	HH32	--	--	58	70	--	--	--	TRACER WIRE ONLY
HH32	-	EX CONDUIT	157	--	--	169	--	--	1	TRACER WIRE ONLY
HH32	-	HH33	58	--	--	70	--	--	--	TRACER WIRE ONLY
HH33	-	HH38	--	--	53	65	--	--	--	TRACER WIRE ONLY
HH28	-	HH34	--	--	53	65	--	--	--	TRACER WIRE ONLY
HH34	-	HH35	69	--	--	81	--	--	--	TRACER WIRE ONLY
HH35	-	HH36	90	--	--	102	--	--	--	TRACER WIRE ONLY
HH36	-	HH38	42	--	--	54	--	--	--	TRACER WIRE ONLY
HH38	-	SL131	147	--	--	--	158	474	--	--
SL131	-	SL132	212	--	--	--	222	666	--	--
SL132	-	SL133	159	--	--	--	169	507	--	--
SL133	-	SL134	168	--	--	--	178	534	--	--
SL134	-	SL135	161	--	--	--	171	513	--	--
SL135	-	SL136	170	--	--	--	180	540	--	--
B-13-930 SB			--	200	--	--	--	--	--	SPECTRUM CONDUIT
B-13-924 SB			--	250	--	--	--	--	--	SPECTRUM CONDUIT
B-13-926 SB			--	250	--	--	--	--	--	SPECTRUM CONDUIT
CATEGORY 0010 SUBTOTAL			1,782	700	429	795	1,653	4,959	1	
CATEGORY 0010 TOTAL			**8,243**	**700**	**1,160**	**1,670**	**9,217**	**26,798**	**5**	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

** PAST THE PROJECT ALIGNMENT

STREET LIGHTING HANDHOLES

PULLBOX NUMBER	STATION	OFFSET	R/L	SPV.0060.301* ELECTRICAL PULL BOX TYPE I (EACH)	SPV.0060.302* ELECTRICAL PULL BOX TYPE III (EACH)	SPV.0060.303* ELECTRICAL PULL BOX TYPE V (EACH)	SPV.0060.345 24X24X12 JUNCTION BOX (EACH)	COMMENTS
5992-11-21 CATEGORY 0010								
HH1	87+70 'NB'	4.0	LT	--	--	1	--	--
HH2	87+70 'NB'	29.8	RT	--	--	1	--	--
HH3	89+69 'NB'	30.2	RT	--	--	1	--	--
HH4	89+69 'NB'	4.1	LT	--	--	1	--	--
HH5	106+85 'SB'	3.7	RT	--	--	1	--	--
HH6	106+79 'NB'	28.9	RT	--	--	1	--	--
HH7	106+85 'SB'	27.9	LT	--	--	1	--	--
HH8	109+33 'NB'	28.9	RT	--	--	1	--	--
HH9	109+38 'SB'	3.3	RT	1	--	--	--	--
HH10	109+38 'SB'	29.2	LT	--	--	1	--	--
HH11	111+70 'SB'	6.8	RT	--	--	1	--	--
HH12	111+72 'SB'	29.7	LT	--	--	1	--	--
HH13	111+58 'NB'	29.6	RT	--	--	1	--	--
HH40	126+20 'SB'	8.1	RT	--	1	--	--	--
HH41	129+20 'SB'	9.0	RT	--	1	--	--	--
HH42	**	**	**	--	1	--	--	--
HH46	87+69 'SB'	31.1	LT	--	--	1	--	--
HH48	89+70 'SB'	30.1	LT	--	--	1	--	--
	B-13-930 SB			--	--	--	2	FOR SPECTRUM
	B-13-924 SB			--	--	--	2	FOR SPECTRUM
	B-13-926 SB			--	--	--	2	FOR SPECTRUM
CATEGORY 0010 TOTAL				**1**	**3**	**14**	**6**	

STEEL CASING PIPES

LOCATION	FROM	-	TO	SPV.0090.305 BORING AND JACKING CASING PIPE SMOOTH STEEL 12-INCH (LF)
5992-11-21	**CATEGORY 0010**			
JOHN NOLEN DRIVE & NORTH SHORE DRIVE				
	HH17	-	HH18	46
	SL125	-	HH23	41
OHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAI				87
5992-11-21	**CATEGORY 0010**			
JOHN NOLEN DRIVE & BROOM STREET				
	HH30	-	TS20	31
	HH32	-	EXISTING	35
JOHN NOLEN DRIVE & BROOM STREET TOTAL				66
CATEGORY 0010 TOTAL				**153**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL HANDHOLES

PULLBOX NUMBER	STATION	OFFSET	R/L	SPV.0060.302* ELECTRICAL PULL BOX TYPE III (EACH)	SPV.0060.303* ELECTRICAL PULL BOX TYPE V (EACH)	SPV.0060.304* ELECTRICAL PULL BOX TYPE VII (EACH)
5992-11-21 CATEGORY 0010						
HH14	114+33 'NB'	27.9	RT	--	1	--
HH15	114+42 'SB'	7.8	RT	--	1	--
HH16	114+40 'SB'	29.1	LT	--	--	1
HH17	114+75 'SB'	61.0	LT	--	1	--
HH18	12+86 'NSE'	52.9	RT	--	1	--
HH19	12+96 'NSE'	8.7	LT	--	1	--
HH20	13+41 'NSW'	33.5	LT	--	1	--
HH21	13+55 'NSE'	38.1	RT	--	1	--
HH22	14+29 'NSW'	32.0	LT	--	1	--
HH23	14+18 'NSW'	63.7	LT	--	1	--
HH24	116+22 'NB'	26.8	RT	--	1	--
HH25	116+34 'SB'	6.5	RT	--	1	--
HH26	116+55 'SB'	48.4	LT	--	1	--
HH27	117+63 'SB'	37.0	LT	1	--	--
HH28	120+64 'SB'	4.0	RT	--	1	--
HH29	120+56 'SB'	44.9	LT	--	--	1
HH30	701+61 'BSE'	30.6	RT	--	1	--
HH31	701+55 'BSW'	10.6	RT	--	1	--
HH32	701+55 'BSW'	50.2	LT	--	1	--
HH33	122+33 'SB'	37.9	LT	--	1	--
HH34	120+56 'NB'	26.9	RT	--	1	--
HH35	121+25 'NB'	24.4	RT	--	1	--
HH36	122+15 'NB'	26.8	RT	--	1	--
HH37	122+35 'NB'	51.8	RT	--	1	--
HH38	122+30 'SB'	14.7	RT	--	--	1
HH39	121+89 'SB'	16.5	RT	--	1	--
CATEGORY 0010 TOTAL				**1**	**22**	**3**

TRAFFIC SIGNAL BASES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	SPV.0060.305 CONCRETE BASES TYPE GR (EACH)	SPV.0060.307* CONCRETE BASES TYPE LB-3R (EACH)	SPV.0060.308 CONCRETE BASES TYPE LB-8R (EACH)
5992-11-21 CATEGORY 0010						
JOHN NOLEN DRIVE & NORTH SHORE DRIVE						
TS1	13+41 'NSE'	72.3	RT	1	--	--
TS2	115+04 'SB'	27.6	LT	1	--	--
TS3	13+96 'NSE'	30.8	RT	1	--	--
TS4	13+69 'NSE'	28.7	RT	--	1	--
TS5	14+32 'NSW'	32.6	LT	1	--	--
TS6	14+49 'NSW'	46.6	LT	1	--	--
TS7	14+24 'NSW'	63.1	LT	1	--	--
TS8	116+44 'SB'	51.7	LT	--	1	--
TS9	116+20 'SB'	4.8	RT	--	1	--
TS10	116+08 'NB'	25.0	RT	--	--	1
TS11	116+74 'NB'	25.0	RT	1	--	--
TS12	115+17 'NB'	30.6	RT	1	--	--
TS13	114+97 'NB'	30.6	RT	1	--	--
TS14	114+70 'SB'	7.7	RT	1	--	--
TS15	114+89 'SB'	7.1	RT	1	--	--
TS16	115+07 'SB'	6.7	RT	--	--	1
TS17	115+30 'SB'	6.4	RT	1	--	--
TS18	114+65 'SB'	40.6	LT	1	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL				13	3	2

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

BICYCLE LOOP DETECTORS

LOCATION / LOOP NO.	DESCRIPTION	STATION **	OFFSET	L/R	SIZE FT	X	SIZE FT	NO. OF TURNS	SPV.0090.304 CUT IN BICYCLE LOOP DETECTION (LF)
5992-11-21 CATEGORY 0010									
JOHN NOLEN DRIVE & NORTH SHORE DRIVE									
BL1	BICYCLE COUNT STATION	12+77 'NSE'	56.4	RT	3	X	6	3	64
BL2	BICYCLE COUNT STATION	12+74 'NSE'	61.9	RT	3	X	6	3	88
BL3	BICYCLE COUNT STATION	117+63 'SB'	46.5	LT	3	X	6	3	68
BL4	BICYCLE COUNT STATION	117+63 'SB'	51.5	LT	3	X	6	3	82
BL5	BICYCLE COUNT STATION	116+22 'NB'	37.5	RT	3	X	6	3	70
BL6	BICYCLE COUNT STATION	116+22 'NB'	42.5	RT	3	X	6	3	82
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL									454
5992-11-21 CATEGORY 0010									
JOHN NOLEN DRIVE & BROOM STREET									
BL7	BICYCLE COUNT STATION	122+21 'NB'	62.6	RT	3	X	6	3	90
BL8	BICYCLE COUNT STATION	122+21 'NB'	57.6	RT	3	X	6	3	68
81	BICYCLE DETECTION	121+88 'NB'	37.0	RT	3	X	6	3	112
82	BICYCLE DETECTION	121+88 'NB'	10.7	LT	3	X	6	3	78
83	BICYCLE DETECTION	121+96 'SB'	12.8	RT	3	X	6	3	66
84	BICYCLE DETECTION	121+96 'SB'	43.2	LT	3	X	6	3	126
JOHN NOLEN DRIVE & BROOM STREET TOTAL									540
PROPOSAL TOTAL									**994**

TRAFFIC SIGNAL BASES (CONTINUED)

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	SPV.0060.305 CONCRETE BASES TYPE GR (EACH)	SPV.0060.307* CONCRETE BASES TYPE LB-3R (EACH)	SPV.0060.308* CONCRETE BASES TYPE LB-8R (EACH)
5992-11-21	**CATEGORY 0010**					
JOHN NOLEN DRIVE & BROOM STREET						
TS19	701+68 'BSE'	31.1	RT	1	--	--
TS20	701+18 'BSE'	32.3	RT	1	--	--
TS21	701+61 'BSW'	8.8	RT	--	1	--
TS22	701+58 'BSW'	53.0	LT	1	--	--
TS23	121+92 'SB'	41.9	LT	1	--	--
TS24	122+08 'SB'	38.9	LT	1	--	--
TS25	122+09 'SB'	6.4	RT	1	--	--
TS26	121+94 'NB'	10.4	LT	--	1	--
TS27	121+90 'SB'	10.1	RT	1	--	--
TS28	121+61 'NB'	7.8	LT	--	1	--
TS29	121+75 'NB'	6.7	LT	1	--	--
TS30	121+93 'NB'	32.0	RT	1	--	--
TS31	121+76 'NB'	32.2	RT	1	--	--
TS32	120+96 'NB'	30.3	RT	1	--	--
TS33	120+56 'NB'	31.7	RT	1	--	--
TS34	120+74 'SB'	4.0	RT	--	1	--
TS35	120+57 'SB'	4.0	RT	--	1	--
TS36	120+43 'SB'	38.2	LT	--	1	--
JOHN NOLEN DRIVE & BROOM STREET TOTAL				12	6	0
CATEGORY 0010 TOTAL				**25**	**9**	**2**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

3

TEMPORARY LIGHTING

ITEM	STATION	OFFSET	R/L	SPV.0060.339 TEMPORARY LIGHTING, JOHN NOLEN DRIVE (EACH)
5992-11-21 CATEGORY 0010				
		UNDISTRIBUTED		1
		PROPOSAL TOTAL		**1**

TEMPORARY FIBER SYSTEM

ITEM	678.0200* FIBER OPTIC SPLICE ENCLOSURE (EACH)	SPV.0060.343* FIBER OPTIC FUSION SPLICE 97 TO 144 PER LOCATION (EACH)	SPV.0060.344* FIBER OPTIC FUSION SPLICE >144 PER LOCATION (EACH)	SPV.0060.340 TEMPORARY FIBER, JOHN NOLEN DRIVE (EACH)
5992-11-21 CATEGORY 0010				
STAGE 1-2B: WP102	1	144	--	--
EXSL4313	1	144	--	--
STAGE 3-FINAL: EXPBX01	1	--	196	--
EXSL4313	1	144	--	--
UNDISTRIBUTED	--	--	--	1
CATEGORY 0010 TOTAL	**4**	**432**	**196**	**1**

FIBER OPTIC REMOVALS

ITEM	STATION	OFFSET	R/L	204.9090.S.001* REMOVING OR ABANDONING EXISTING CONDUIT (LF)	204.9090.S.002* REMOVING ELECTRICAL CABLES FROM EXISTING CONDUIT (LF)	653.0905* REMOVING PULL BOXES (EACH)
5992-11-21 CATEGORY 0010						
		UNDISTRIBUTED		7,500	7,500	3
		CATEGORY 0010 TOTAL		**7,500**	**7,500**	**3**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CABLE AND WIRE

LOCATION	FROM	-	TO	655.0230* 5-14 AWG (LF)	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG (LF)	655.0260 12-14 AWG (LF)	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (LF)	SPV.0090.301* LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)
5992-11-21	**CATEGORY 0010**							
JOHN NOLEN DRIVE & NORTH SHORE DRIVE								
	TC1	-	TS1	139	--	--	--	139
	TC1	-	TS2	--	--	--	--	213
	TC1	-	TS3	--	222	--	--	222
	TC1	-	TS4	--	197	--	--	197
	TC1	-	TS5	--	285	--	--	285
	TC1	-	TS6	--	311	--	--	311
	TC1	-	TS7	--	334	--	--	334
	TC1	-	TS8	--	399	--	--	--
	TC1	-	TS9	--	--	451	--	--
	TC1	-	TS10	--	--	390	--	--
	TC1	-	TS11	424	--	--	--	--
	TC1	-	TS12	--	--	--	--	256
	TC1	-	TS13	--	244	--	--	244
	TC1	-	TS14	142	--	--	--	--
	TC1	-	TS15	162	--	--	--	--
	TC1	-	TS16	--	--	179	--	179
	TC1	-	TS17	--	202	--	--	202
	TC1	-	TS18	--	91	--	--	91
	SYSTEM GROUND			--	--	--	1,924	--
	SYSTEM NEUTRAL			--	--	--	1,924	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL				867	2,285	1,020	3,848	2,673

TRAFFIC SIGNAL CABLE AND WIRE (CONTINUED)

LOCATION	FROM	-	TO	655.0230* 5-14 AWG (LF)	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG (LF)	655.0260 12-14 AWG (LF)	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG (LF)	SPV.0090.301* LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)
5992-11-21	**CATEGORY 0010**							
JOHN NOLEN DRIVE & BROOM STREET								
	TC2	-	TS19	--	117	--	--	117
	TC2	-	TS21	--	179	--	--	179
	TC2	-	TS22	--	251	--	--	251
	TC2	-	TS23	--	263	--	--	263
	TC2	-	TS24	--	--	344	--	--
	TC2	-	TS25	--	--	--	--	408
	TC2	-	TS26	407	--	--	--	--
	TC2	-	TS27	--	--	449	--	--
	TC2	-	TS28	--	--	455	--	--
	TC2	-	TS29	--	--	--	--	448
	TC2	-	TS30	408	--	--	--	408
	TC2	-	TS31	--	424	--	--	--
	TC2	-	TS32	310	--	--	--	--
	TC2	-	TS33	--	--	202	--	--
	TC2	-	TS34	--	--	140	--	--
	TC2	-	TS35	137	--	--	--	--
	TC2	-	TS36	80	--	--	--	--
	SYSTEM GROUND			--	--	--	1,290	--
	SYSTEM NEUTRAL			--	--	--	1,290	--
JOHN NOLEN DRIVE & BROOM STREET TOTAL				1,342	1,234	1,590	2,580	2,074
CATEGORY 0010 TOTAL				**2,209**	**3,519**	**2,610**	**6,428**	**4,747**

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG (LF)	SPV.0090.301* LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)
5992-11-21	**CATEGORY 0010**				
JOHN NOLEN DRIVE & NORTH SHORE DRIVE					
	TS1	-	17	24	--
		-	21	24	--
		-	BUTTON	--	11
	TS2	-	BUTTON	--	11
	TS3	-	2C	20	--
		-	7A	10	--
		-	BUTTON	--	11
	TS4	-	14	24	--
		-	2B	20	--
		-	BUTTON	--	11
	TS5	-	12	24	--
		-	9B	20	--
		-	BUTTON	--	11
	TS6	-	8	24	--
		-	2A	20	--
		-	BUTTON	--	11
	TS7	-	13	24	--
		-	9A	20	--
		-	BUTTON	--	11
	TS8	-	11	24	--
		-	20	24	--
	TS9	-	2	48	--
		-	6	27	--
		-	7	24	--
	TS10	-	3	52	--
		-	4	52	--
		-	15	24	--
	TS11	-	16	24	--
	TS12	-	BUTTON	--	11
	TS13	-	1	24	--
		-	7D	20	--
		-	BUTTON	--	11
	TS14	-	19	24	--
	TS15	-	18	24	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE SUBTOTAL				645	99

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG (LF)	SPV.0090.301* LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)
5992-11-21	**CATEGORY 0010**				
JOHN NOLEN DRIVE & NORTH SHORE DRIVE (CONTINUED)					
	TS16	-	5	27	--
		-	9	55	--
		-	10	55	--
		-	7B	20	--
		-	BUTTON	--	11
	TS17	-	7C	20	--
		-	BUTTON	--	11
	TS18	-	2D	20	--
		-	BUTTON	--	11
JOHN NOLEN DRIVE & NORTH SHORE DRIVE SUBTOTAL				197	33
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL				842	132
5992-11-21	**CATEGORY 0010**				
JOHN NOLEN DRIVE & BROOM STREET					
	TS19	-	15	24	--
		-	2D	20	--
		-	BUTTON	--	11
	TS21	-	12	24	--
		-	2B	20	--
		-	2C	20	--
		-	BUTTON	--	11
	TS22	-	2A	20	--
		-	BUTTON	--	11
	TS23	-	8D	20	--
		-	BUTTON	--	11
	TS24	-	7	24	--
		-	18	24	--
		-	21	10	--
		-	22	10	--
		-	BUTTON	--	11
JOHN NOLEN DRIVE & BROOM STREET SUBTOTAL				216	55

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CABLE AND WIRE (CONTINUED)

LOCATION	FROM	-	TO	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG (LF)	SPV.0090.301* LOOP DETECTOR LEAD-IN CABLE SPECIAL (LF)
5992-11-21	**CATEGORY 0010**				
JOHN NOLEN DRIVE & BROOM STREET (CONTINUED)					
	TS25	-	BUTTON	--	11
	TS26	-	20	10	--
		-	23	10	--
	TS27	-	5	24	--
		-	8	24	--
		-	8B	20	--
		-	8C	20	--
	TS28	-	2	55	--
		-	3	55	--
		-	6	24	--
	TS29	-	BUTTON	--	11
	TS30	-	19	10	--
		-	24	10	--
		-	BUTTON	--	11
	TS31	-	8A	20	--
	TS32	-	13	24	--
	TS33	-	1	24	--
		-	14	24	--
	TS34	-	4	24	--
		-	9	52	--
		-	10	52	--
		-	16	24	--
	TS35	-	17	24	--
	TS36	-	11	42	--
JOHN NOLEN DRIVE & BROOM STREET SUBTOTAL				572	33
JOHN NOLEN DRIVE & BROOM STREET TOTAL				788	88
CATEGORY 0010 TOTAL				**1,630**	**220**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FIBER OPTIC CONDUIT AND CABLE

FROM	-	TO	652.0235 * CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG LF	SPV.0090.306 FIBER OPTIC CABLE 12-COUNT (LF)	SPV.0090.307 FIBER OPTIC CABLE 24-COUNT (LF)	SPV.0090.302 FIBER OPTIC CABLE 288-COUNT (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	REMARKS
5992-11-21 CATEGORY 0010									
HH 500	-	HH 501	325	341	--	--	341	--	--
HH 501	-	HH 502	320	336	--	--	336	--	--
HH 502	-	HH 503	320	336	--	--	336	--	--
HH 503	-	HH 504	320	336	--	--	336	--	--
HH 504	-	HH 505	325	341	--	--	341	--	--
HH 505	-	HH 506	100	116	--	--	--	--	TRACER WIRE ONLY
HH 506	-	HH 508	70	251	--	--	--	--	TRACER WIRE ONLY/CONDUIT IN STRUCTURE B-13-930
HH 508	-	HH 507	100	116	--	--	--	--	TRACER WIRE ONLY
HH 505	-	HH 507	70	251	--	--	251	--	CONDUIT IN STRUCTURE B-13-930
HH 507	-	HH 509	280	296	--	--	296	--	--
HH 509	-	HH 510	275	291	--	--	291	--	--
HH 510	-	HH 511	275	291	--	--	291	--	--
HH 511	-	HH 512	275	291	--	--	291	--	--
HH 512	-	HH 513	275	291	--	--	291	--	--
HH 513	-	HH 515	275	291	--	--	291	--	--
HH 515	-	HH 514	100	116	--	--	--	--	TRACER WIRE ONLY
HH 514	-	HH 516	65	296	--	--	--	--	TRACER WIRE ONLY/CONDUIT IN STRUCTURE B-13-924
HH 516	-	HH 517	100	116	--	--	--	--	TRACER WIRE ONLY
HH 515	-	HH 517	60	291	--	--	291	--	CONDUIT IN STRUCTURE B-13-924
HH 517	-	HH 518	200	216	--	--	216	--	--
HH 518	-	HH 519	50	291	--	--	291	--	CONDUIT IN STRUCTURE B-13-934
HH 519	-	HH 14	10	26	26	--	--	--	--
HH 14	-	HH 16	--	--	86	--	--	--	TRAFFIC SIGNAL CONDUIT
HH 16	-	TC 1	--	--	48	--	--	--	TRAFFIC SIGNAL CONDUIT
HH 519	-	HH 520	310	326	326	--	326	--	--
HH 520	-	HH 521	310	326	326	--	326	--	--
HH 521	-	HH 34	15	31	31	--	--	--	--
HH 34	-	HH 29	--	--	116	--	--	--	TRAFFIC SIGNAL CONDUIT
HH 29	-	TC 2	--	--	43	--	--	--	TRAFFIC SIGNAL CONDUIT
HH 521	-	HH 522	175	191	--	--	191	--	--
HH 522	-	HH 523	--	16	--	--	--	--	--
HH 523	-	EXHH XXX	35	51	--	--	--	1	--
HH 522	-	HH 524	265	281	--	--	281	--	--
HH 524	-	HH 525	265	281	--	--	281	--	--
HH 525	-	HH 526	265	281	--	--	281	--	--
HH 526	-	HH 527	265	281	--	--	281	--	--
HH 527	-	HH 528	--	16	--	--	16	--	--
HH 528	-	HH 529	--	16	--	16	16	--	--
HH 528	-	SL 161	--	13	--	13	--	--	--
CATEGORY 0010 TOTAL			**6,095**	**7,637**	**1,002**	**29**	**6,489**	**1**	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL POLES & ARMS

LOCATION / BASE NUMBER	657.0100 PEDESTAL BASES (EACH)	SPV.0060.311 TRANSFORMER BASE 16-INCH STEEL (EACH)	657.0405 TRAFIC SIGNAL STANDARDS ALUMINUM 3.5-FOOT (EACH)	657.0420 TRAFIC SIGNAL STANDARDS ALUMINUM 13-FOOT (EACH)	657.0430 TRAFIC SIGNAL STANDARDS ALUMINUM 10-FOOT (EACH)	SPV.0060.313 POLE 20-FOOT 7 GAUGE (EACH)	SPV.0060.321 TRAFFIC SIGNAL TROMBONE ARM 12-FOOT (EACH)	SPV.0060.322 TRAFFIC SIGNAL TROMBONE ARM 18-FOOT (EACH)	SPV.0060.323 TRAFFIC SIGNAL TROMBONE ARM 22-FOOT (EACH)	SPV.0060.320 TRAFFIC SIGNAL TROMBONE ARM 25-FOOT (EACH)
5992-11-21 CATEGORY 0010										
JOHN NOLEN DRIVE & NORTH SHORE DRIVE										
TS1	1	--	--	1	--	--	--	--	--	--
TS2	1	--	1	--	--	--	--	--	--	--
TS3	1	--	--	--	1	--	--	--	--	--
TS5	1	--	--	1	--	--	--	--	--	--
TS6	1	--	--	1	--	--	--	--	--	--
TS7	1	--	--	1	--	--	--	--	--	--
TS9	--	1	--	--	--	1	--	1	--	--
TS10	--	1	--	--	--	--	--	--	1	--
TS11	1	--	--	1	--	--	--	--	--	--
TS12	1	--	1	--	--	--	--	--	--	--
TS13	1	--	--	1	--	--	--	--	--	--
TS14	1	--	--	1	--	--	--	--	--	--
TS15	1	--	--	1	--	--	--	--	--	--
TS16	--	1	--	--	--	--	--	--	--	1
TS17	1	--	--	--	1	--	--	--	--	--
TS18	1	--	--	--	1	--	--	--	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL	13	3	2	8	3	1	0	1	1	1
JOHN NOLEN DRIVE & BROOM STREET										
TS19	1	--	--	1	--	--	--	--	--	--
TS22	1	--	--	--	1	--	--	--	--	--
TS23	1	--	--	--	1	--	--	--	--	--
TS24	1	--	--	1	--	--	--	--	--	--
TS25	1	--	1	--	--	--	--	--	--	--
TS27	1	--	--	1	--	--	--	--	--	--
TS28	--	1	--	--	--	1	--	--	--	1
TS29	1	--	1	--	--	--	--	--	--	--
TS30	1	--	--	1	--	--	--	--	--	--
TS31	1	--	--	--	1	--	--	--	--	--
TS32	1	--	--	1	--	--	--	--	--	--
TS33	1	--	--	1	--	--	--	--	--	--
TS34	--	1	--	--	--	1	--	--	1	--
TS36	--	1	--	--	--	1	1	--	--	--
JOHN NOLEN DRIVE & BROOM STREET TOTAL	11	3	2	6	3	3	1	0	1	1
CATEGORY 0010 TOTAL	**24**	**6**	**4**	**14**	**6**	**4**	**1**	**1**	**2**	**2**

NOTE: QUANTITIES RELATED TO TS4, TS8, TS21, TS26, AND TS35 ARE FOUND IN THE STREET LIGHTS TABLE.

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL EQUIPMENT

LOCATION / BASE NUMBER	SPV.0060.324 TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION (EACH)	SPV.0060.325 TRAFFIC SIGNAL HEADS 12-INCH 4-SECTION (EACH)	SPV.0060.326 TRAFFIC SIGNAL HEADS 16-INCH PEDESTRIAN WITH COUNTDOWN (EACH)	SPV.0060.341 INSTALL 4" BIKE SIGNAL HEAD (EACH)	SPV.0060.327 BACKPLATES SIGNAL FACE 3-SECTION 12-INCH (EACH)	SPV.0060.328 BACKPLATES SIGNAL FACE 4-SECTION 12-INCH (EACH)
5992-11-21 CATEGORY 0010						
JOHN NOLEN DRIVE & NORTH SHORE DRIVE						
TS1	1	--	--	--	1	--
TS3	--	--	2	--	--	--
TS4	1	--	1	--	1	--
TS5	1	--	1	--	1	--
TS6	1	--	1	--	1	--
TS7	1	--	1	--	1	--
TS8	1	--	--	--	1	--
TS9	2	1	--	--	2	1
TS10	3	--	--	--	3	--
TS11	1	--	--	--	1	--
TS13	1	--	1	--	1	--
TS14	1	--	--	--	1	--
TS15	1	--	--	--	1	--
TS16	2	1	1	--	2	1
TS17	--	--	1	--	--	--
TS18	--	--	1	--	--	--
JOHN NOLEN DRIVE & NORTH SHORE DRIVE TOTAL	17	2	10	0	17	2

TEMPORARY SIGNALS

LOCATION	SPV.0060.337 TEMPORARY TRAFFIC SIGNALS (JOHN NOLEN DRIVE & NORTH SHORE DRIVE) (EACH)	SPV.0060.338 TEMPORARY TRAFFIC SIGNALS (JOHN NOLEN DRIVE & BROOM STREET) (EACH)
5992-11-21 CATEGORY 0010		
JOHN NOLEN DRIVE & NORTH SHORE DRIVE	1	--
JOHN NOLEN DRIVE & BROOM STREET	--	1
PROPOSAL TOTAL	**1**	**1**

TRAFFIC SIGNAL CONTROL

LOCATION	656.0201.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (JOHN NOLEN DR & NORTH SHORE DR SIG) (EACH)	656.0201.002 ELECTRICAL SERVICE METER BREAKER PEDESTAL (JOHN NOLEN DR & BROOM ST SIG) (EACH)	SPV.0060.309* CONCRETE BASES TYPE P (EACH)	SPV.0060.329 INSTALL CITY FURNISHED TRAFFIC SIGNAL CONTROL CABINET AND CONTROLLER (EACH)	SPV.0060.330 OPTICAL SIGNAL PREEMPT (EACH)	SPV.0060.331 TRAFFIC SIGNAL ETHERNET SWITCH (EACH)	SPV.0060.332 NO RIGHT TURN BLANK OUT SIGN (EACH)	SPV.0060.334 NON-INTRUSIVE VEHICLE DETECTION SYSTEM (EACH)
5992-11-21 CATEGORY 0010								
JOHN NOLEN DRIVE & NORTH SHORE DRIVE	1	--	1	1	1	1	2	1
JOHN NOLEN DRIVE & BROOM STREET	--	1	1	1	1	1	1	1
CATEGORY 0010 TOTAL	**1**	**1**	**2**	**2**	**2**	**2**	**3**	**2**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL EQUIPMENT (CONTINUED)

LOCATION / BASE NUMBER	SPV.0060.324 TRAFFIC SIGNAL HEADS 12-INCH 3-SECTION (EACH)	SPV.0060.325 TRAFFIC SIGNAL HEADS 12-INCH 4-SECTION (EACH)	SPV.0060.326 TRAFFIC SIGNAL HEADS 16-INCH PEDESTRIAN WITH COUNDOWN (EACH)	SPV.0060.341 INSTALL 4" BIKE SIGNAL HEAD (EACH)	SPV.0060.327 BACKPLATES SIGNAL FACE 3-SECTION 12-INCH (EACH)	SPV.0060.328 BACKPLATES SIGNAL FACE 4-SECTION 12-INCH (EACH)
5992-11-21 CATEGORY 0010						
JOHN NOLEN DRIVE & BROOM STREET						
TS19	1	--	1	--	1	--
TS21	1	--	2	--	1	--
TS22	--	--	1	--	--	--
TS23	--	--	1	--	--	--
TS24	1	--	--	2	1	--
TS26	--	--	--	2	--	--
TS27	2	--	2	--	2	--
TS28	3	--	--	--	3	--
TS30	--	--	--	2	--	--
TS31	--	--	1	--	--	--
TS32	1	--	--	--	1	--
TS33	2	--	--	--	2	--
TS34	4	--	--	--	4	--
TS35	1	--	--	--	1	--
TS36	1	--	--	--	1	--
JOHN NOLEN DRIVE & BROOM STREET TOTAL	17	0	8	6	17	0
PROPOSAL TOTAL	**34**	**2**	**18**	**6**	**34**	**2**

TRAFFIC SIGNAL CONTROL (CONTINUED)

LOCATION	SPV.0060.335 FURNISH & INSTALL APS SYSTEM (JOHN NOLEN DRIVE & NORTH SHORE DRIVE) EACH	SPV.0060.336 FURNISH & INSTALL APS SYSTEM (JOHN NOLEN DRIVE & BROOM STREET) EACH	658.5070.001 SIGNAL MOUNTING HARDWARE (JOHN NOLEN DRIVE & NORTH SHORE DRIVE) (EACH)	658.5070.002 SIGNAL MOUNTING HARDWARE (JOHN NOLEN DRIVE & BROOM STREET) (EACH)
5992-11-21 CATEGORY 0010				
JOHN NOLEN DRIVE & NORTH SHORE DRIVE	1	--	1	--
JOHN NOLEN DRIVE & BROOM STREET	--	1	--	1
PROPOSAL TOTAL	**1**	**1**	**1**	**1**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTS

LIGHT NUMBER	STATION	OFFSET	R/L	SPV.0060.307* CONCRETE BASES TYPE LB-3R (EACH)	SPV.0060.310 CONCRETE BASES TYPE OFFSET (EACH)	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE (EACH)	SPV.0060.312 POLE 30-FOOT, 11 GAUGE STAGGERED TWIN MOUNT (EACH)	SPV.0060.314 POLE 30-FOOT, 7 GAUGE TWIN MOUNT (EACH)	SPV.0060.315 POLE 30-FOOT, 11 GAUGE SINGLE MOUNT (EACH)	SPV.0060.316 POLE 30-FOOT, 11 GAUGE TWIN MOUNT (EACH)	SPV.0060.317 USSL LUMINAIRE AND MOUNTING BRACKET TYPE 1 (EACH)	SPV.0060.318 USSL LUMINAIRE AND MOUNTING BRACKET TYPE 2 (EACH)	SPV.0090.303* ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED (LF)	REMARKS
5992-11-21 CATEGORY 0010														
SL 100	73+25 'NB'	4.1	LT	1	--	1	--	--	--	1	--	2	66	--
SL 101	75+24 'NB'	9.2	LT	1	--	1	--	--	--	1	--	2	66	--
SL 102	77+06 'NB'	9.3	LT	1	--	1	--	--	--	1	--	2	66	--
SL 103	78+97 'NB'	9.8	LT	1	--	1	--	--	--	1	--	2	66	--
SL 104	80+84 'NB'	5.1	LT	1	--	1	--	--	--	1	--	2	66	--
SL 105	82+59 'NB'	4.9	LT	1	--	1	--	--	--	1	--	2	66	--
SL 106	84+41 'NB'	4.4	LT	1	--	1	--	--	--	1	--	2	66	--
SL 107	86+17 'NB'	3.9	LT	1	--	1	--	--	--	1	--	2	66	--
SL 108	87+82 'NB'	3.9	LT	1	--	1	--	--	--	1	--	2	66	--
SL 109	89+79 'NB'	3.9	LT	1	--	1	--	--	--	1	--	2	66	--
SL 110	91+69 'NB'	4.0	LT	1	--	1	--	--	--	1	--	2	66	--
SL 111	93+53 'NB'	4.0	LT	1	--	1	--	--	--	1	--	2	66	--
SL 112	95+36 'NB'	4.0	LT	--	1	1	--	--	--	1	--	2	66	--
SL 113	97+25 'NB'	3.9	LT	1	--	1	--	--	--	1	--	2	66	--
SL 114	99+38 'NB'	4	LT	1	--	1	--	--	--	1	--	2	66	--
SL 115	100+71 'NB'	4.1	LT	1	--	1	--	--	--	1	--	2	66	--
SL 116	102+63 'NB'	4.1	LT	1	--	1	--	--	--	1	--	2	66	--
SL 117	104+43 'NB'	4.8	RT	1	--	1	--	--	--	1	--	2	66	--
SL 118	106+23 'NB'	6.6	LT	1	--	1	--	--	--	1	--	2	66	--
SL 119	108+08 'NB'	42.4	LT	1	--	1	--	--	1	--	1	--	33	--
SL 120	108+08 'NB'	27.4	RT	1	--	1	1	--	1	--	1	--	33	POLE SHARED WITH PATHWAY LUMINAIRE
SL 121	109+83 'NB'	13.4	LT	1	--	1	--	--	--	1	--	2	66	--
SL 122	111+74 'NB'	14.0	LT	1	--	1	--	--	--	1	--	2	66	--
SL 123	112+95 'NB'	49.8	LT	1	--	1	--	--	1	--	1	--	33	--
SL 124	113+01 'NB'	27.4	RT	1	--	1	1	--	1	--	1	--	33	POLE SHARED WITH PATHWAY LUMINAIRE
TS 4	13+69 'NSE'	28.7	RT	--	--	1	--	--	--	1	--	2	66	--
TS 8	116+44 'SB'	51.7	LT	--	--	1	--	--	1	--	1	--	33	--
TS 10	116+08 'NB'	25.0	RT	--	--	--	--	--	1	--	1	--	33	--
TS 16	115+07 'SB'	6.7	RT	--	--	--	--	1	--	--	--	2	66	--
SL 125	13+84 'NB'	44.4	LT	1	--	1	--	--	1	--	1	--	33	--
SL 126	11+97 'NSE'	48.8	RT	1	--	1	--	--	1	--	1	--	33	--
SL 127	12+81 'NSW'	28.4	LT	1	--	1	--	--	1	--	1	--	33	--
CATEGORY 0010 SUBTOTAL				27	1	30	2	1	9	22	9	46	1,815	

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

** PAST THE PROJECT ALIGNMENT

STREET LIGHTS (CONTINUED)

LIGHT NUMBER	STATION	OFFSET	R/L	SPV.0060.307* CONCRETE BASES TYPE LB-3R (EACH)	SPV.0060.310 CONCRETE BASES TYPE OFFSET (EACH)	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE (EACH)	SPV.0060.312 POLE 30-FOOT, 11 GAUGE STAGGERED TWIN MOUNT (EACH)	SPV.0060.314 POLE 30-FOOT, 7 GAUGE TWIN MOUNT (EACH)	SPV.0060.315 POLE 30-FOOT, 11 GAUGE SINGLE MOUNT (EACH)	SPV.0060.316 POLE 30-FOOT, 11 GAUGE TWIN MOUNT (EACH)	SPV.0060.317 USSL LUMINAIRE AND MOUNTING BRACKET TYPE 1 (EACH)	SPV.0060.318 USSL LUMINAIRE AND MOUNTING BRACKET TYPE 2 (EACH)	SPV.0090.303* ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED (LF)	REMARKS
5992-11-21 CATEGORY 0010														
SL 128	117+37 'NB'	24.3	LT	1	--	1	--	--	--	1	--	2	66	--
SL 129	118+87 'NB'	24.7	LT	1	--	1	--	--	--	1	--	2	66	--
TS 21	701+61 'BSW'	8.8	RT	--	--	1	--	--	--	1	--	2	66	--
TS 26	121+94 'NB'	10.4	LT	--	--	1	--	--	--	1	--	2	66	--
TS 35	120+57 'SB'	4.0	RT	--	--	1	--	--	--	1	--	2	66	--
SL 130	701+10 'BSE'	32.0	RT	1	--	1	--	--	1	--	1	-	33	--
SL 131	123+86 'NB'	14.0	LT	1	--	1	--	-	-	1	-	2	66	--
SL 132	125+97 'NB'	10.3	LT	1	--	1	--	-	-	1	-	2	66	--
SL 133	127+54 'NB'	10.3	LT	1	--	1	--	-	-	1	-	2	66	--
SL 134	129+21 'NB'	12.3	LT	1	--	1	--	-	-	1	-	2	66	--
SL 135	**	**	**	1	--	1	--	-	-	1	-	2	66	--
SL 136	**	**	**	1	--	1	--	-	-	1	-	2	66	--
CATEGORY 0010 SUBTOTAL				9	0	12	0	0	1	11	1	22	759	
CATEGORY 0010 TOTAL				**36**	**1**	**42**	**2**	**1**	**10**	**33**	**10**	**68**	**2,574**	

NOTE: QUANTITIES RELATED TO TS4, TS8, TS10, TS16, TS21, TS26, AND TS35 ARE FOUND IN THE TRAFFIC SIGNAL BASES TABLE.

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	656.0201.003 ELECTRICAL SERVICE METER BREAKER PEDESTAL (JOHN NOLEN DR & NORTH SHORE DR LTG) (EACH)	SPV.0060.309* CONCRETE BASES TYPE P (EACH)	SPV.0060.333 LIGHTING CONTROL CABINET (EACH)
5992-11-21 CATEGORY 0010						
LC4327	114+31 'SB'	50.7	LT	1	1	1
CATEGORY 0010 TOTAL				**1**	**1**	**1**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

** PAST THE PROJECT ALIGNMENT

FIBER OPTIC SYSTEM

ITEM	STATION	OFFSET	R/L	678.0200* FIBER OPTIC SPLICE ENCLOSURE (EACH)	678.0400 FIBER OPTIC TERMINATION (EACH)	SPV.0060.342 FIBER OPTIC FUSION SPLICE 1 TO 12 PER LOCATION (EACH)	SPV.0060.343* FIBER OPTIC FUSION SPLICE 97 TO 144 PER LOCATION (EACH)	SPV.0060.344* FIBER OPTIC FUSION SPLICE >144 PER LOCATION (EACH)	SPV.0060.303* ELECTRICAL PULL BOX TYPE V (EACH)	SPV.0060.304* ELECTRICAL PULL BOX TYPE VII (EACH)
5992-11-21 CATEGORY 0010										
HH 500	71+30'NB'	41.1'	RT	1	--	--	--	194	--	1
HH 501	74+55'NB'	38.3'	RT	--	--	--	--	--	1	--
HH 502	77+79'NB'	35.5'	RT	--	--	--	--	--	1	--
HH 503	81+03'NB'	29.0'	RT	--	--	--	--	--	1	--
HH 504	84+27'NB'	28.4'	RT	--	--	--	--	--	1	--
HH 505	87+66'NB'	31.2'	RT	--	--	--	--	--	--	1
HH 506	87+65'SB'	31.0'	LT	--	--	--	--	--	--	1
HH 507	89+73'NB'	32.2'	RT	--	--	--	--	--	--	1
HH 508	89+75'SB'	30.7'	LT	--	--	--	--	--	--	1
HH 509	92+64'NB	25.6'	RT	--	--	--	--	--	1	--
HH 510	95+46'NB'	25.8'	RT	--	--	--	--	--	1	--
HH 511	98+33'NB'	25.8'	RT	--	--	--	--	--	1	--
HH 512	101+17'NB'	26.2'	RT	--	--	--	--	--	1	--
HH 513	103+96'NB'	26.0'	RT	--	--	--	--	--	1	--
HH 514	106+81'SB'	27.8'	LT	--	--	--	--	--	--	1
HH 515	106+76'NB'	31.6'	RT	--	--	--	--	--	--	1
HH 516	109+43'SB'	29.2'	LT	--	--	--	--	--	--	1
HH 517	109+37'NB'	31.6'	RT	--	--	--	--	--	--	1
HH 518	111+54'NB'	25.9'	RT	--	--	--	--	--	1	--
HH 519	111+68'SB'	29.6'	LT	--	--	--	--	--	--	1
HH 520	114+38'NB'	31.4'	RT	--	--	--	--	--	--	1
HH 521	114+42'SB'	33.6'	LT	--	--	--	--	--	--	1
HH 522	117+42'NB'	35.1'	RT	--	--	--	--	--	1	--
HH 523	120+55'NB'	39.1'	RT	--	--	--	--	--	--	1
HH 524	122.33'NB	39.3'	RT	--	--	--	--	--	1	--
HH 525	122+50'SB'	57.2'	LT	--	--	--	--	--	1	--
HH 526	125+04'NB'	27.8'	RT	--	--	--	--	--	1	--
HH 527	127+72'NB'	33.7'	RT	--	--	--	--	--	1	--
HH 528	130+38'NB'	38.5'	RT	--	--	--	--	--	1	--
HH 529	**	**	**	--	--	--	--	--	--	1
HH 530	**	**	**	1	--	--	144	--	--	1
TC 1	114+35'SB'	58.2'	LT	--	1	12	--	--	--	--
TC 2	120+42'SB'	68.1	LT	--	1	12	--	--	--	--
CATEGORY 0010 TOTAL				**2**	**2**	**24**	**144**	**194**	**16**	**15**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PATHWAY LIGHTS

LIGHT NUMBER	STATION	OFFSET	R/L	SPV.0060.306 CONCRETE BASES TYPE LB-2 (EACH)
5992-11-28 CATEGORY 0050				
SL 200	72+65	45.2	RT	1
SL 201	73+52	45.8	RT	1
SL 202	74+48	59.1	RT	1
SL 203	75+27	80.3	RT	1
SL 204	76+31	64.9	RT	1
SL 205	77+21	41.2	RT	1
SL 206	78+17	43.5	RT	1
SL 207	78+97	58.5	RT	1
SL 208.A	79+60	70.0	RT	1
SL 208.B	80+36	49.4	RT	1
SL 209	81+26	29.2	RT	1
SL 210	82+16	28.7	RT	1
SL 211	83+06	28.8	RT	1
SL 212	83+95	28.8	RT	1
SL 213	84+85	28.8	RT	1
SL 214	85+75	28.9	RT	1
SL 215	86+66	29	RT	1
SL 216	87+56	29.1	RT	1
SL 217	90+10	28.8	RT	1
SL 218	91+00	28.9	RT	1
SL 219	91+90	29	RT	1
SL 220	92+81	28.8	RT	1
SL 221	93+73	28.9	RT	1
SL 222	94+65	29	RT	1
SL 223	95+58	28.6	RT	1
SL 224	96+51	28.7	RT	1
SL 225	97+43	29	RT	1
SL 226	98+35	28.9	RT	1
SL 227	99+28	28.9	RT	1
SL 228	100+20	28.9	RT	1
SL 229	101+12	28.8	RT	1
PROJECT 5992-11-28 SUBTOTAL				31

PATHWAY LIGHTS (CONTINUED)

LIGHT NUMBER	STATION	OFFSET	R/L	SPV.0060.306 CONCRETE BASES TYPE LB-2 (EACH)
5992-11-28 CATEGORY 0050				
SL 230	102+02	28.9	RT	1
SL 231	102+92	28.9	RT	1
SL 232	103+82	29	RT	1
SL 233	104+72	28.9	RT	1
SL 234	105+62	28.8	RT	1
SL 235	106+52	27.6	RT	1
SL 236	109+44	28.8	RT	1
SL 237	110+36	29.1	RT	1
SL 238	111+27	28.9	RT	1
SL 239	114+59	29.1	RT	1
SL 240	115+49	29.2	RT	1
SL 241	116+39	29.3	RT	1
SL 242	117+25	42.4	RT	1
SL 243	118+16	45.6	RT	1
PROJECT 5992-11-28 SUBTOTAL				14
PROJECT 5992-11-28 TOTAL				45

PATHWAY LIGHTING HANDHOLES

PULLBOX NUMBER	STATION	OFFSET	R/L	SPV.0060.301* ELECTRICAL PULL BOX TYPE I (EACH)	SPV.0060.303* ELECTRICAL PULL BOX TYPE V (EACH)
5992-11-28 CATEGORY 0050					
HH43	71+44 'NB'	73.3	RT	1	--
HH44	71+38 'NB'	42.5	RT	1	--
HH45	87+62 'NB'	31.8	LT	--	1
HH47	89+77 'NB'	32.3	RT	--	1
HH49	106+72 'NB'	31.8	RT	--	1
HH50	109+41 'NB'	31.6	RT	--	1
HH51	111+50 'NB'	31.6	RT	--	1
HH52	114+49 'NB'	33.5	RT	--	1
PROJECT 5992-11-28 TOTAL				**2**	**6**

PATHWAY LIGHTING REMOVALS

ITEM	STATION	OFFSET	R/L	204.9060.S.006 REMOVE BICYCLE COUNTER BASE (EACH)
5992-11-28 CATEGORY 0050				
EXISTING BICYCLE COUNTER	116+55 'NB'	42.0	RT	1
PROJECT 5992-11-28 TOTAL				**1**

LEGEND

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PATHWAY LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	REMARKS
5992-11-28 CATEGORY 0050						
EXPBX01	-	HH43	32	45	1	TRACER WIRE ONLY
HH44	-	SL200	132	144	1	TRACER WIRE ONLY
SL200	-	SL201	85	95	--	TRACER WIRE ONLY
SL201	-	SL202	84	94	--	TRACER WIRE ONLY
SL202	-	SL203	90	100	--	TRACER WIRE ONLY
SL203	-	SL204	73	83	--	TRACER WIRE ONLY
SL204	-	SL205	122	132	--	TRACER WIRE ONLY
SL205	-	SL206	94	104	--	TRACER WIRE ONLY
SL206	-	SL207	79	89	--	TRACER WIRE ONLY
SL207	-	SL208.A	64	74	--	TRACER WIRE ONLY
SL208.A	-	SL208.B	81	91	--	TRACER WIRE ONLY
SL208.B	-	SL209	90	100	--	TRACER WIRE ONLY
SL209	-	SL210	88	98	--	TRACER WIRE ONLY
SL210	-	SL211	88	98	--	TRACER WIRE ONLY
SL211	-	SL212	88	98	--	TRACER WIRE ONLY
SL212	-	SL213	88	98	--	TRACER WIRE ONLY
SL213	-	SL214	88	98	--	TRACER WIRE ONLY
SL214	-	SL215	88	98	--	TRACER WIRE ONLY
SL215	-	SL216	88	98	--	TRACER WIRE ONLY
SL216	-	HH45	17	28	--	TRACER WIRE ONLY
HH45	-	HH47	456	936	--	TRACER WIRE ONLY
HH47	-	SL217	34	45	--	TRACER WIRE ONLY
SL217	-	SL218	88	98	--	TRACER WIRE ONLY
SL218	-	SL219	88	98	--	TRACER WIRE ONLY
SL219	-	SL220	88	98	--	TRACER WIRE ONLY
SL220	-	SL221	88	98	--	TRACER WIRE ONLY
SL221	-	SL222	88	98	--	TRACER WIRE ONLY
SL222	-	SL223	88	98	--	TRACER WIRE ONLY
SL223	-	SL224	88	98	--	TRACER WIRE ONLY
SL224	-	SL225	88	98	--	TRACER WIRE ONLY
SL225	-	SL226	88	98	--	TRACER WIRE ONLY
SL226	-	SL227	88	98	--	TRACER WIRE ONLY
PROJECT 5992-11-28 SUBTOTAL			3,029	3,826	2	

PATHWAY LIGHTING CONDUIT AND WIRE (CONTINUED)

FROM	-	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (LF)	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG (LF)	652.0700.S* INSTALL CONDUIT INTO EXISTING ITEM (EACH)	REMARKS
5992-11-28 CATEGORY 0050						
SL227	-	SL228	88	98	--	TRACER WIRE ONLY
SL228	-	SL229	88	98	--	TRACER WIRE ONLY
SL229	-	SL230	88	98	--	TRACER WIRE ONLY
SL230	-	SL231	88	98	--	TRACER WIRE ONLY
SL231	-	SL232	88	98	--	TRACER WIRE ONLY
SL232	-	SL233	88	98	--	TRACER WIRE ONLY
SL233	-	SL234	88	98	--	TRACER WIRE ONLY
SL234	-	SL235	88	98	--	TRACER WIRE ONLY
SL235	-	HH49	25	36	--	TRACER WIRE ONLY
HH49	-	HH50	568	580	--	TRACER WIRE ONLY
HH50	-	SL236	9	20	--	TRACER WIRE ONLY
SL236	-	SL237	88	98	--	TRACER WIRE ONLY
SL237	-	SL238	88	98	--	TRACER WIRE ONLY
SL238	-	HH51	31	42	--	TRACER WIRE ONLY
HH51	-	HH52	584	596	--	TRACER WIRE ONLY
HH52	-	SL239	23	34	--	TRACER WIRE ONLY
SL239	-	SL240	88	98	--	TRACER WIRE ONLY
SL240	-	HH24	70	81	--	TRACER WIRE ONLY
HH24	-	SL241	14	25	--	TRACER WIRE ONLY
SL241	-	SL242	86	96	--	TRACER WIRE ONLY
SL242	-	SL243	88	98	--	TRACER WIRE ONLY
PATH CROSSING STUBS			380	--	--	--
PROJECT 5992-11-28 SUBTOTAL			2,846	2,686	0	
PROJECT 5992-11-28 TOTAL			**5,875**	**6,512**	**2**	

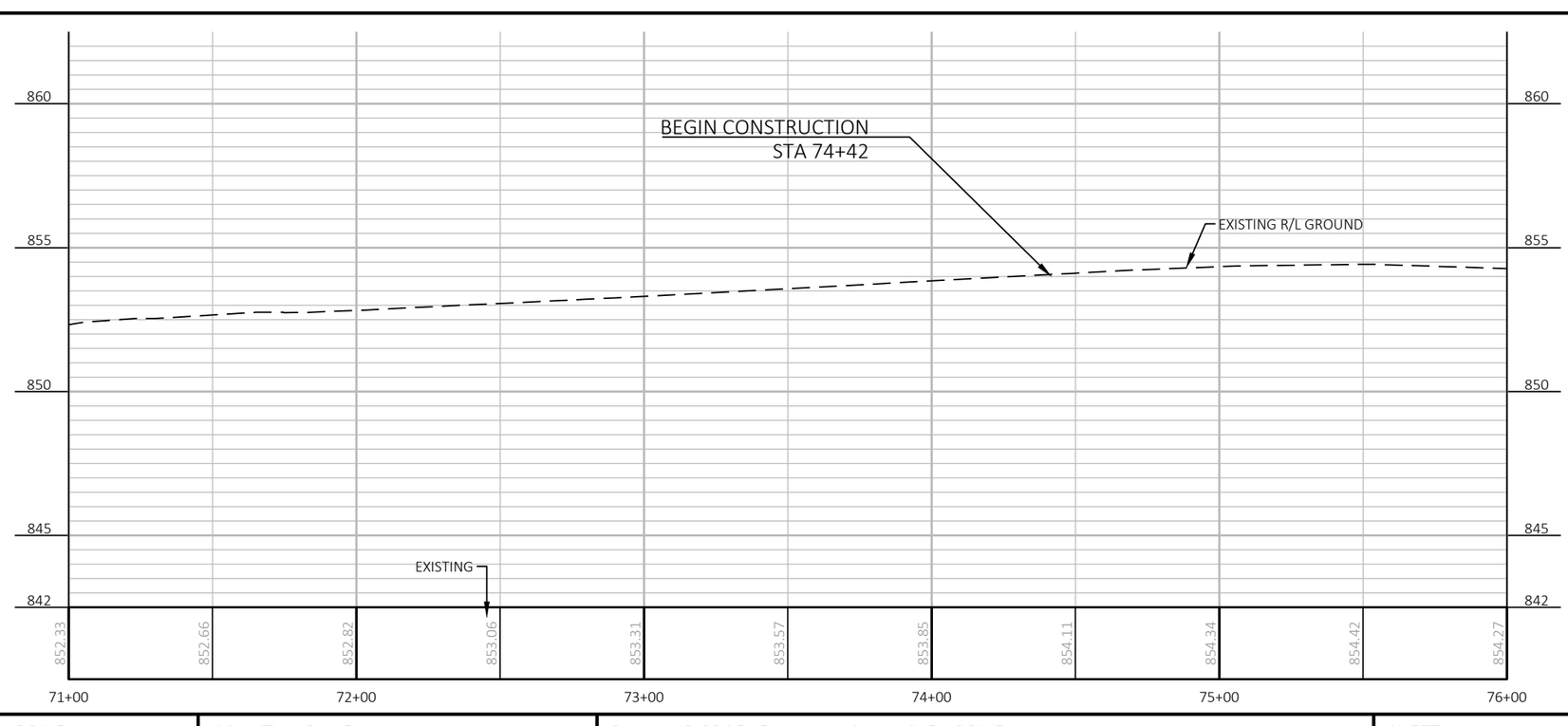
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

SAYLE STREET
E. LAKESIDE STREET
WISCONSIN & SOUTHERN RAILROAD
HIGHWAY EASEMENT
R/W
JOHN NOLEN DRIVE
BEGIN CONSTRUCTION
STA 74+42 'SB'
MATCH EXISTING
SAW CUT REQ'D
71+00
72+00
73+00
74+00
75+00
72+00 'SB'
73+00 'SB'
74+00 'SB'
75+00 'SB'
MATCH LINE 75+25
CAPITAL CITY TRAIL
70+00 CT
71+00 CT
72+00 CT
73+00 CT
74+00 CT
75+00 CT
51+00 CS
52+00 CS
53+00 CS
54+00 CS
55+00 CS
SLOPE INTERCEPT (TYP.)
OLIN PARK
N

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 797	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 00
PLOT DATE : 5/22/2025 12:27 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT



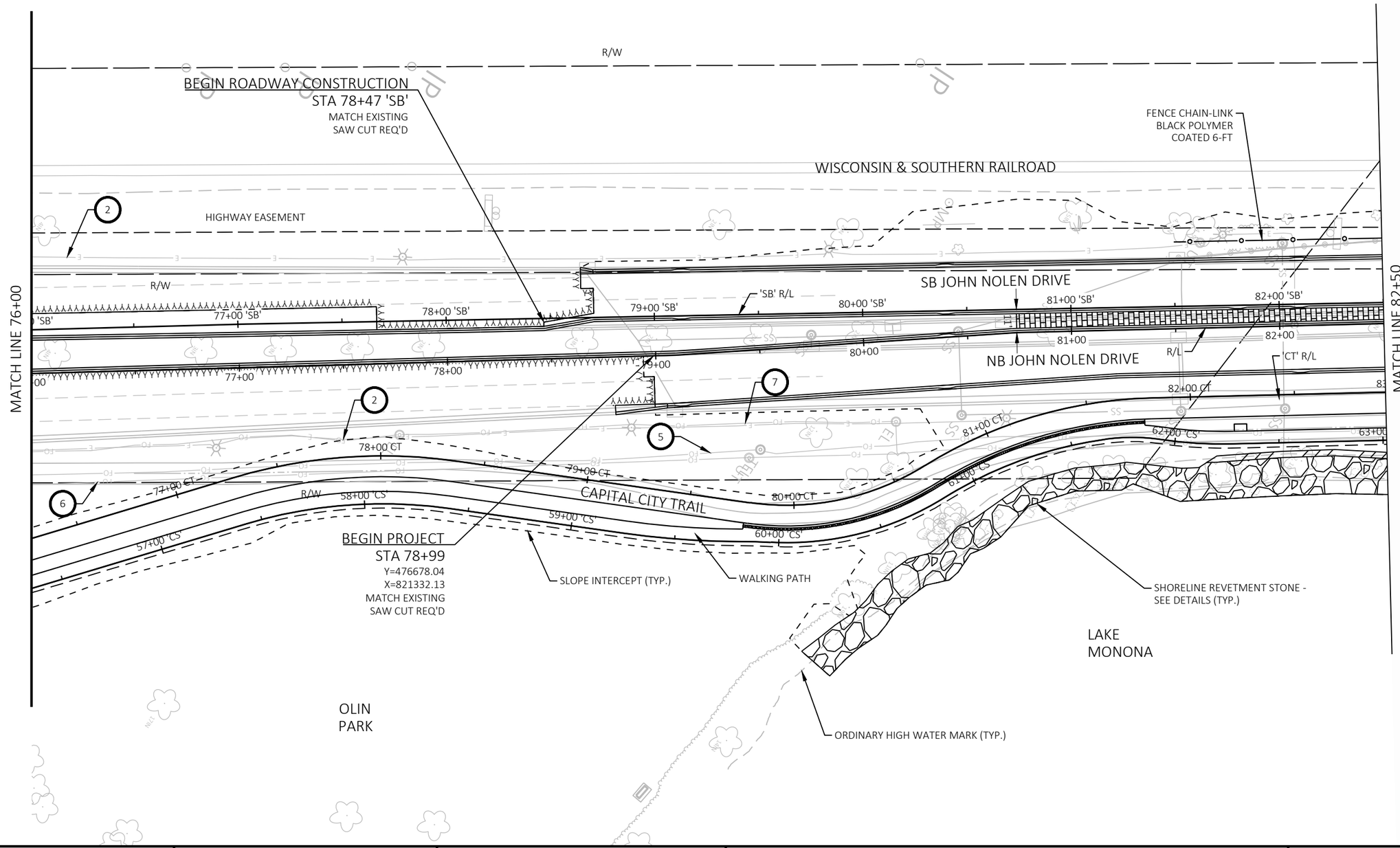


PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 798	E

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LAYOUT NAME - 00 PROF

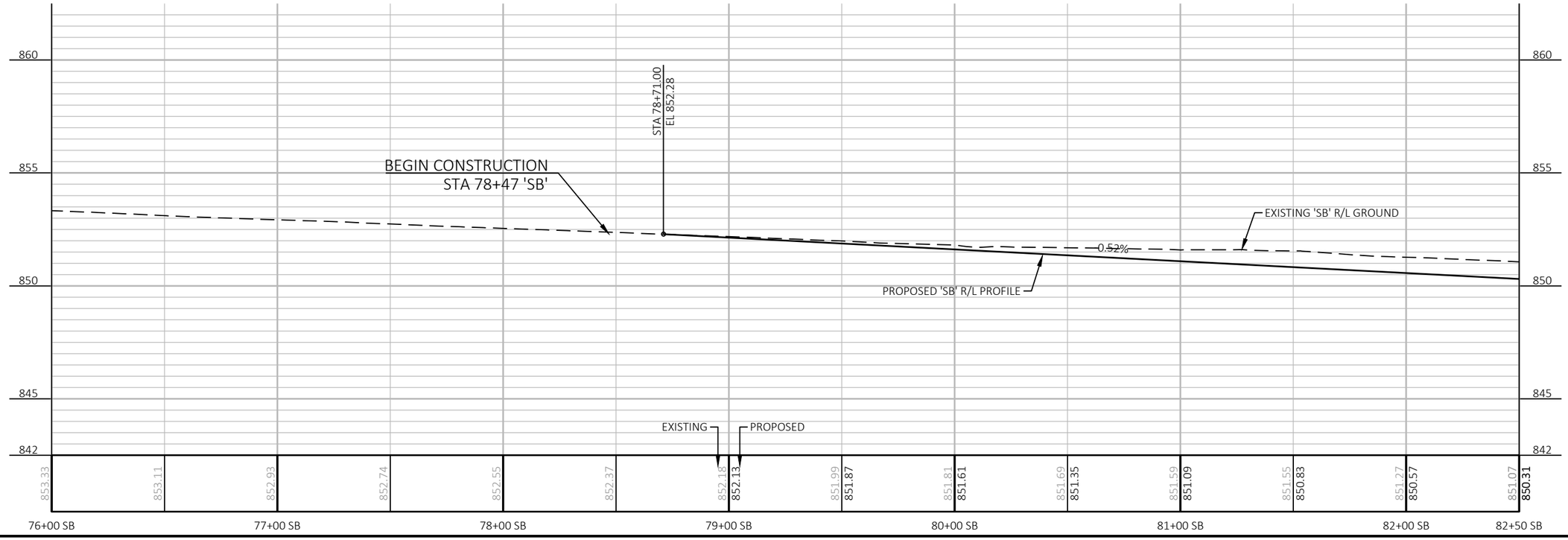
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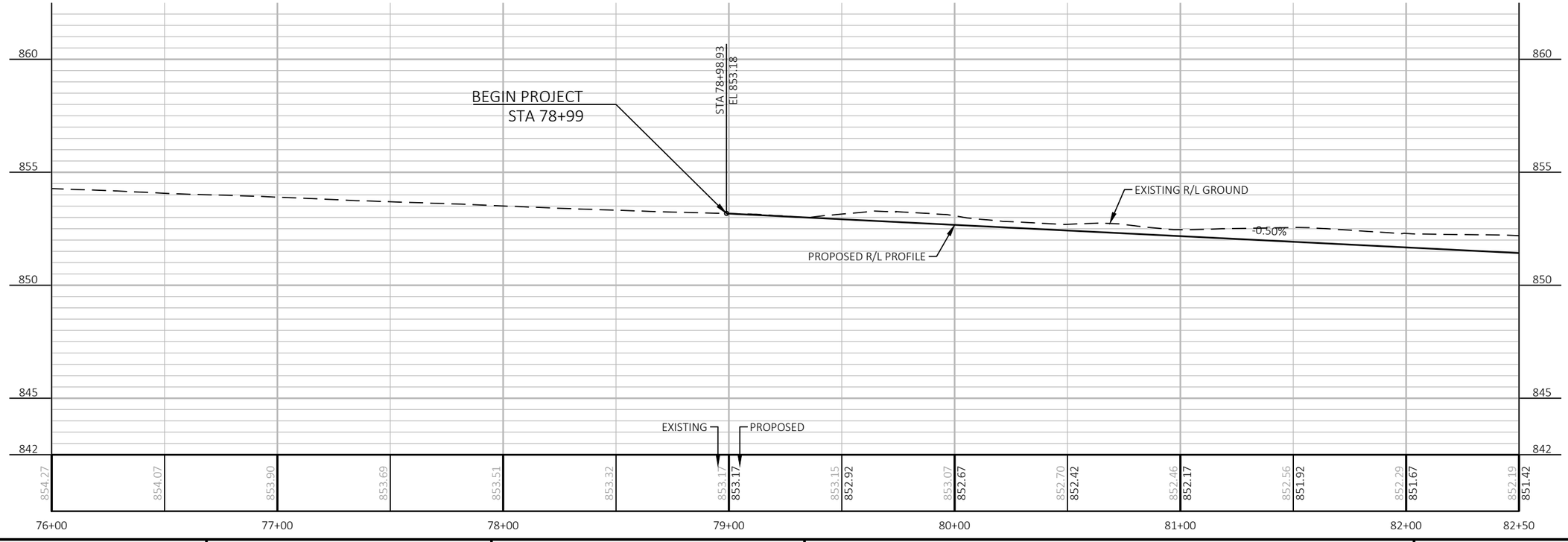
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5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 799	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 01
PLOT DATE : 5/22/2025 12:28 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44





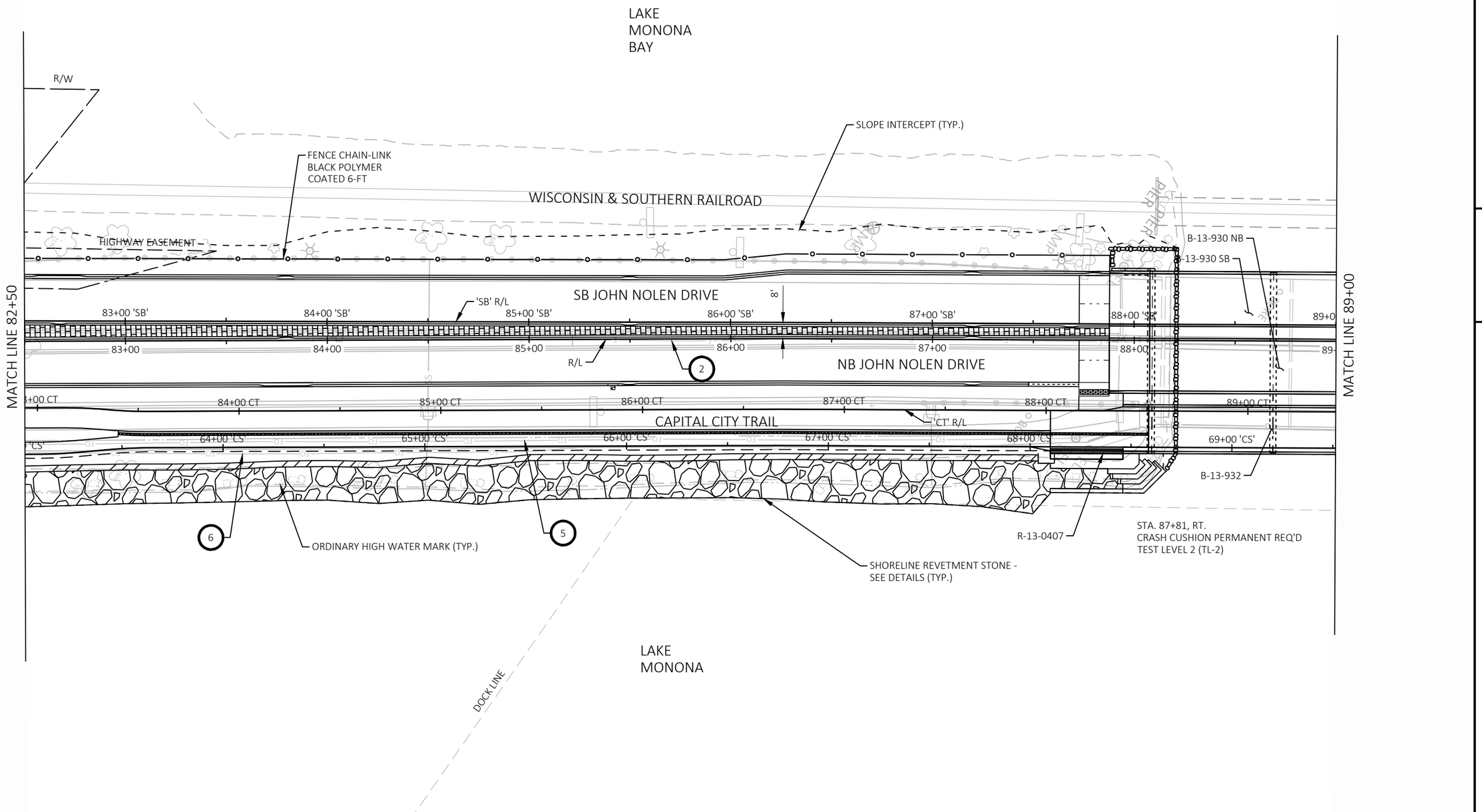
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LAYOUT NAME - 01 PROF

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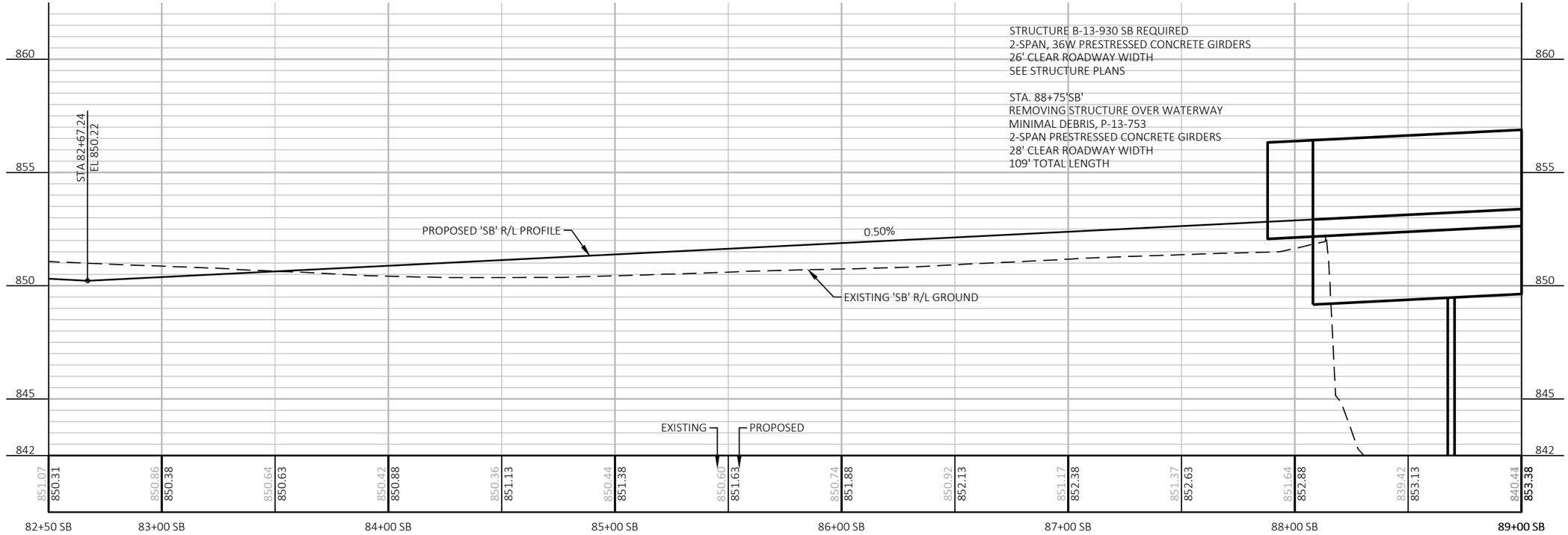
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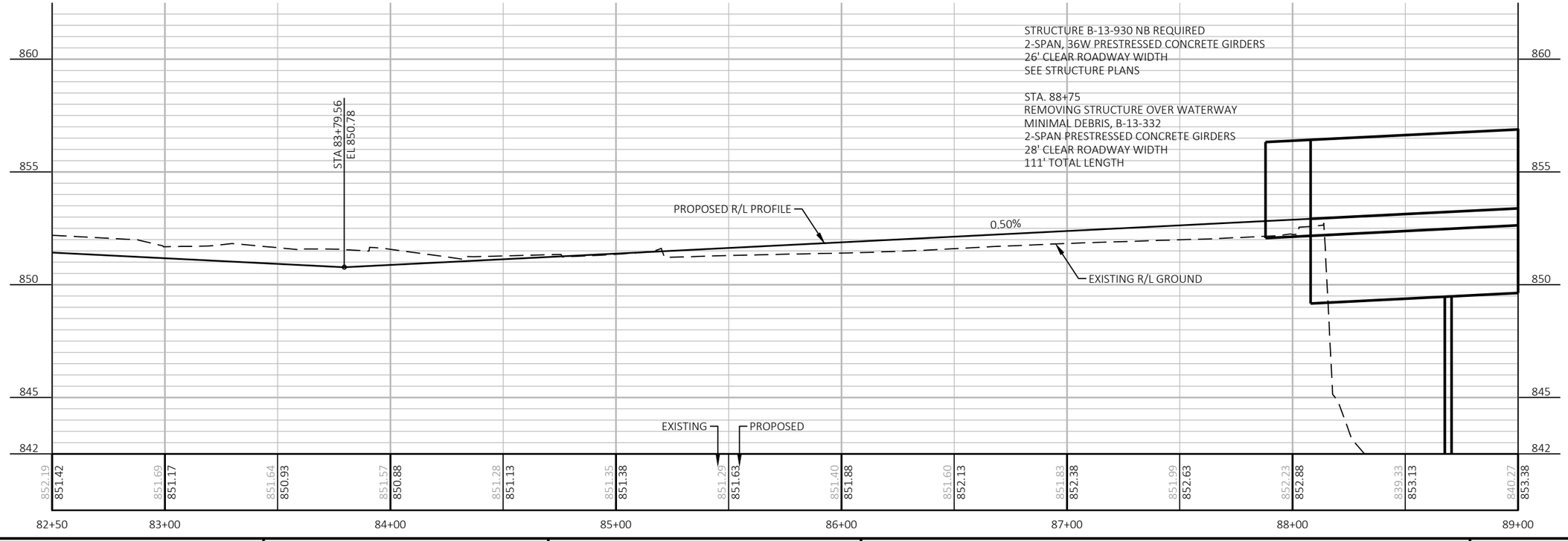
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 801	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 02
PLOT DATE : 5/22/2025 12:28 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT





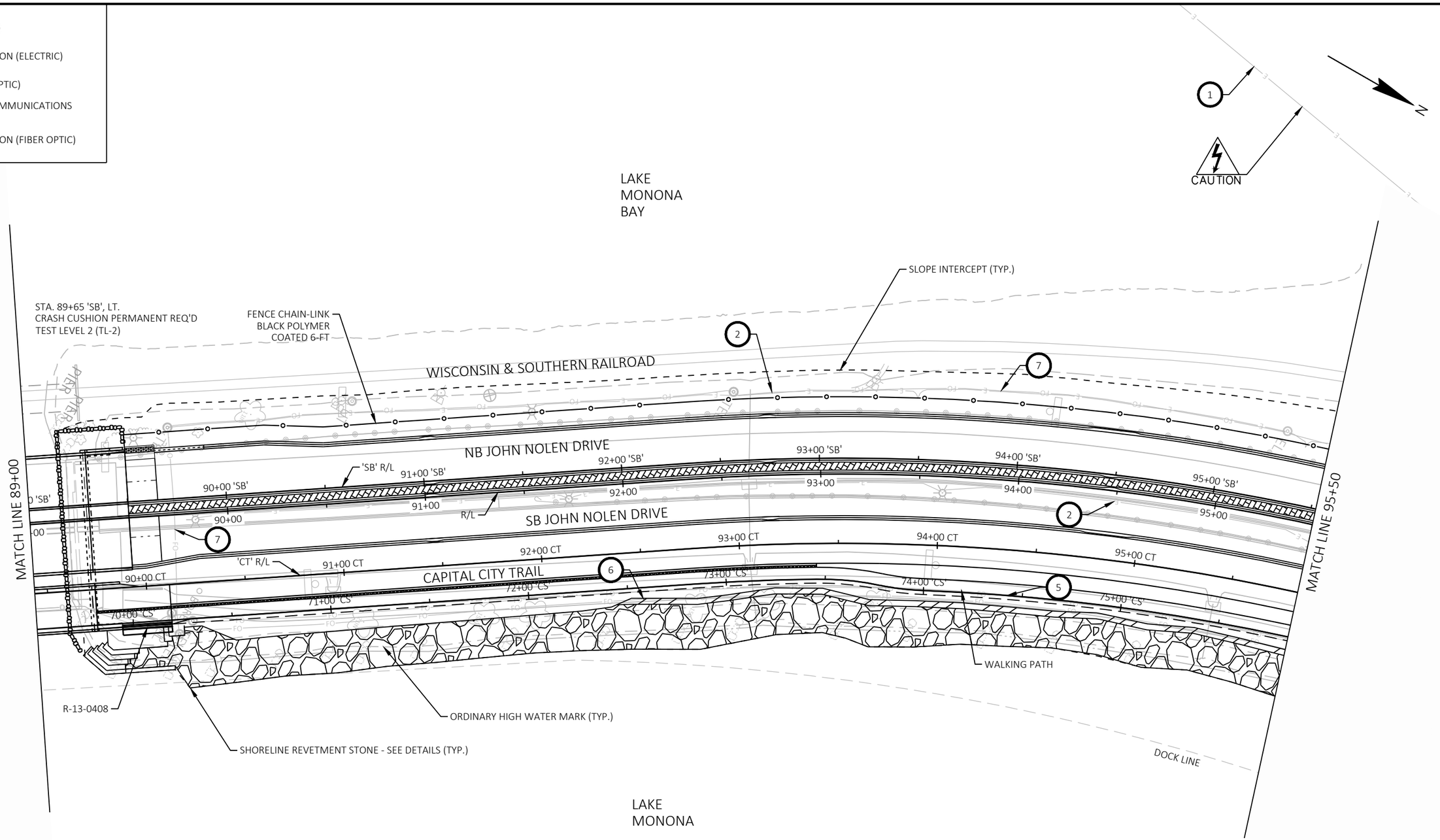
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 802	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 02 PROF

PLOT DATE : 5/22/2025 12:28 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

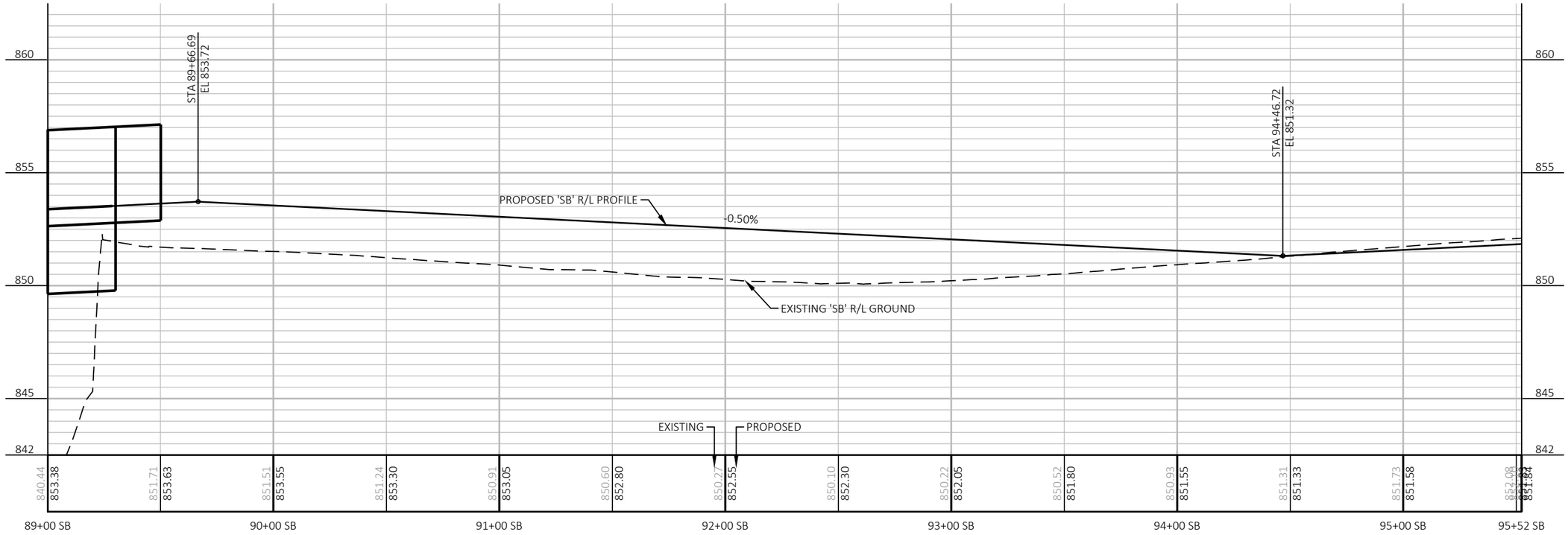
WISDOT/CADDS SHEET 44

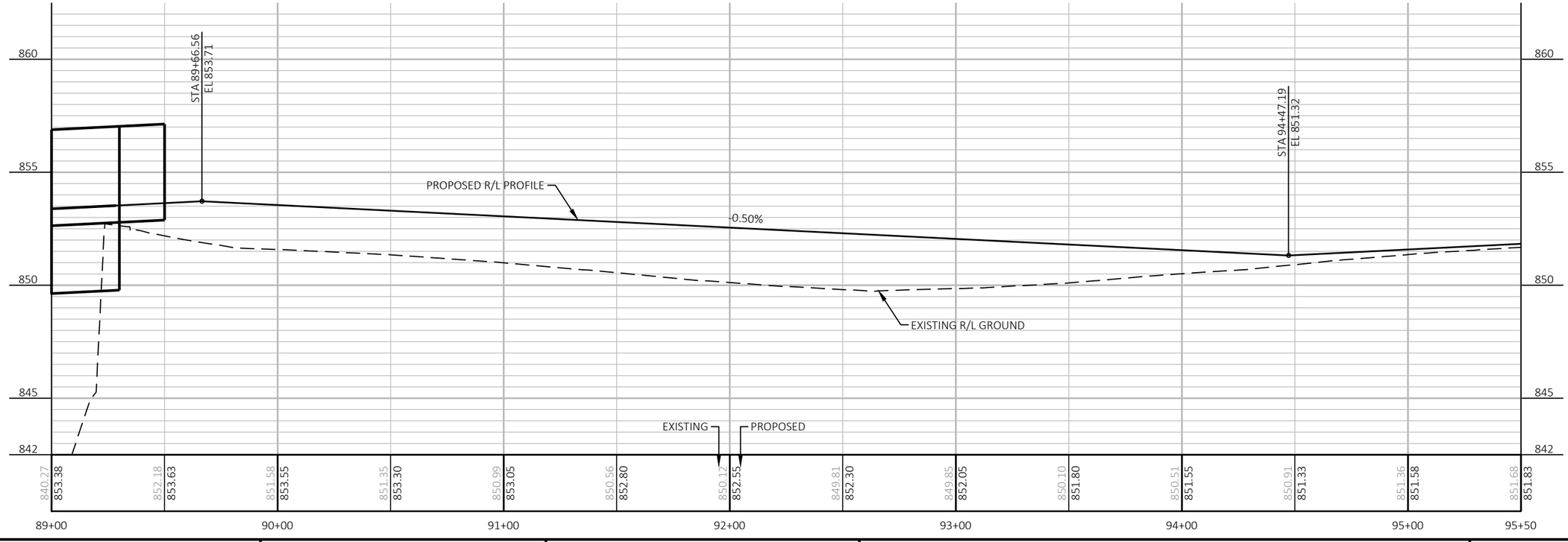
1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 803	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 03
PLOT DATE : 5/22/2025 12:28 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 804	E

1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

N

LAKE MONONA BAY

FENCE CHAIN-LINK BLACK POLYMER COATED 6-FT

WISCONSIN & SOUTHERN RAILROAD

CAUTION

SLOPE INTERCEPT (TYP.)

SB JOHN NOLEN DRIVE

NB JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

MATCH LINE 95+50

MATCH LINE 102+00

96+00 'SB' | 97+00 'SB' | 98+00 'SB' | 99+00 'SB' | 100+00 'SB' | 101+00 'SB'

'SB' R/L

R/L

96+00 | 97+00 | 98+00 | 99+00 | 100+00 | 101+00 | 102+00

96+00 CT | 97+00 CT | 98+00 CT | 99+00 CT | 100+00 CT | 101+00 CT | 102+00 CT

'CT' R/L

76+00 'CS' | 77+00 'CS' | 78+00 'CS' | 79+00 'CS' | 80+00 'CS' | 81+00 'CS' | 82+00 'CS'

STA 97+46
1 - 126 FT CPRC CLASS III 18-INCH REQUIRED
2 - APRON ENDWALLS FOR CPRC 18-INCH REQUIRED

WALKING PATH

ORDINARY HIGH WATER MARK (TYP.)

SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)

LAKE MONONA

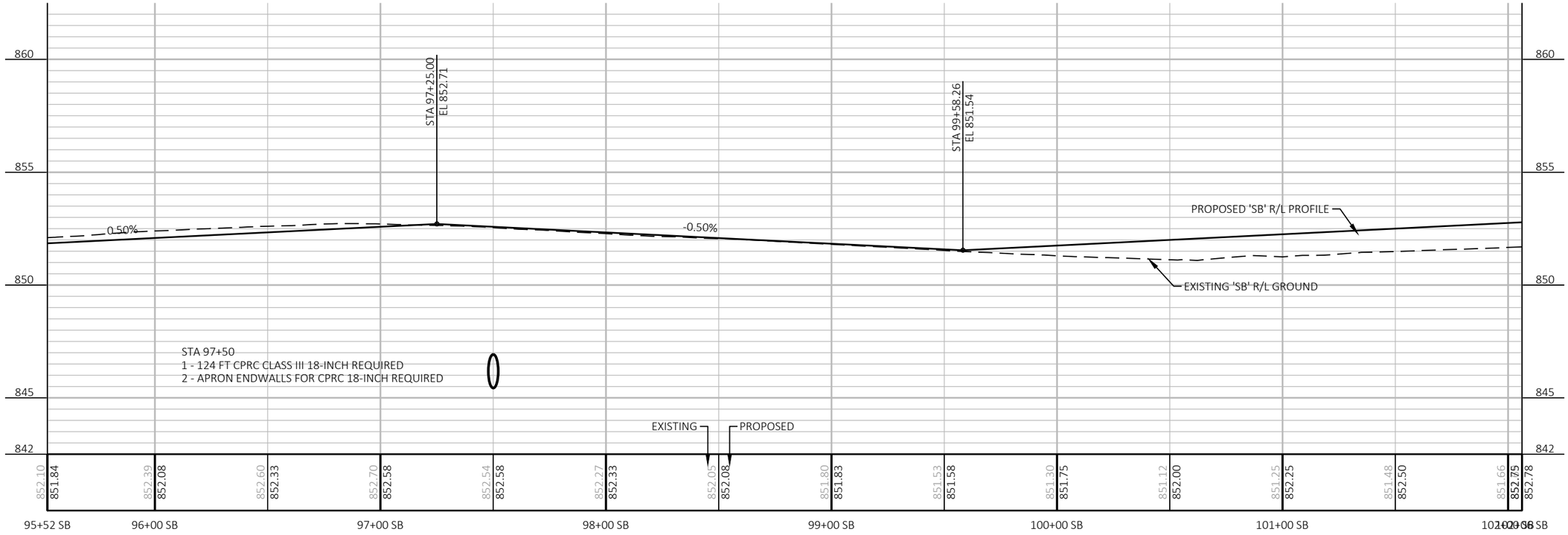
DOCK LINE

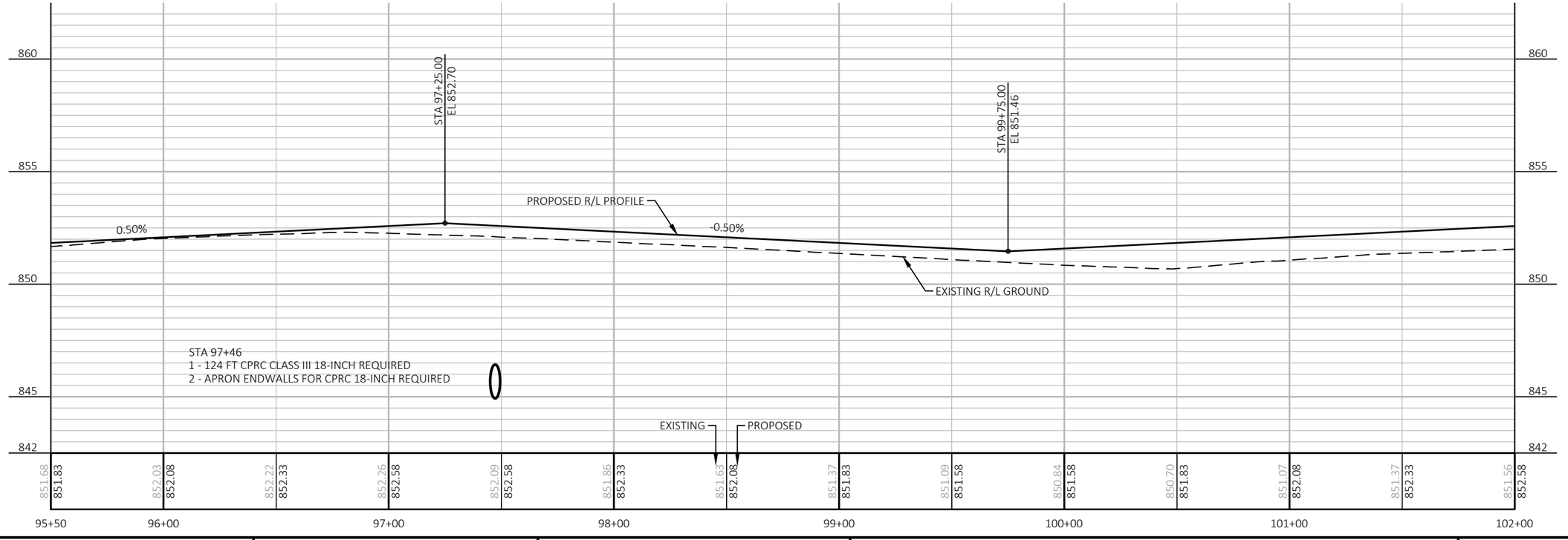
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 805	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 04

PLOT DATE : 6/23/2025 10:35 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 806 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 04 PROF

PLOT DATE : 6/23/2025 10:35 AM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:50 FT

1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

N

LAKE MONONA BAY

FENCE CHAIN-LINK BLACK POLYMER COATED 6-FT

CAUTION

SLOPE INTERCEPT (TYP.)

B-13-924 SB

B-13-924 NB

WISCONSIN & SOUTHERN RAILROAD

SB JOHN NOLEN DRIVE

8'

13'

'SB' R/L

103+00 'SB'

104+00 'SB'

105+00 'SB'

106+00 'SB'

107+00 'SB'

108+00 'SB'

103+00

104+00

105+00

106+00

107+00

108+00

NB JOHN NOLEN DRIVE

R/L

MATCH LINE 102+00

MATCH LINE 108+50

103+00 CT

104+00 CT

105+00 CT

106+00 CT

107+00 CT

108+00 CT

CAPITAL CITY TRAIL

'CT' R/L

83+00 'CS'

84+00 'CS'

85+00 'CS'

86+00 'CS'

87+00 'CS'

88+00 'CS'

B-13-933

WALKING PATH

STA. 106+92, RT.
CRASH CUSHION PERMANENT REQ'D
TEST LEVEL 2 (TL-2)

ORDINARY HIGH WATER MARK (TYP.)

SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)

LAKE MONONA

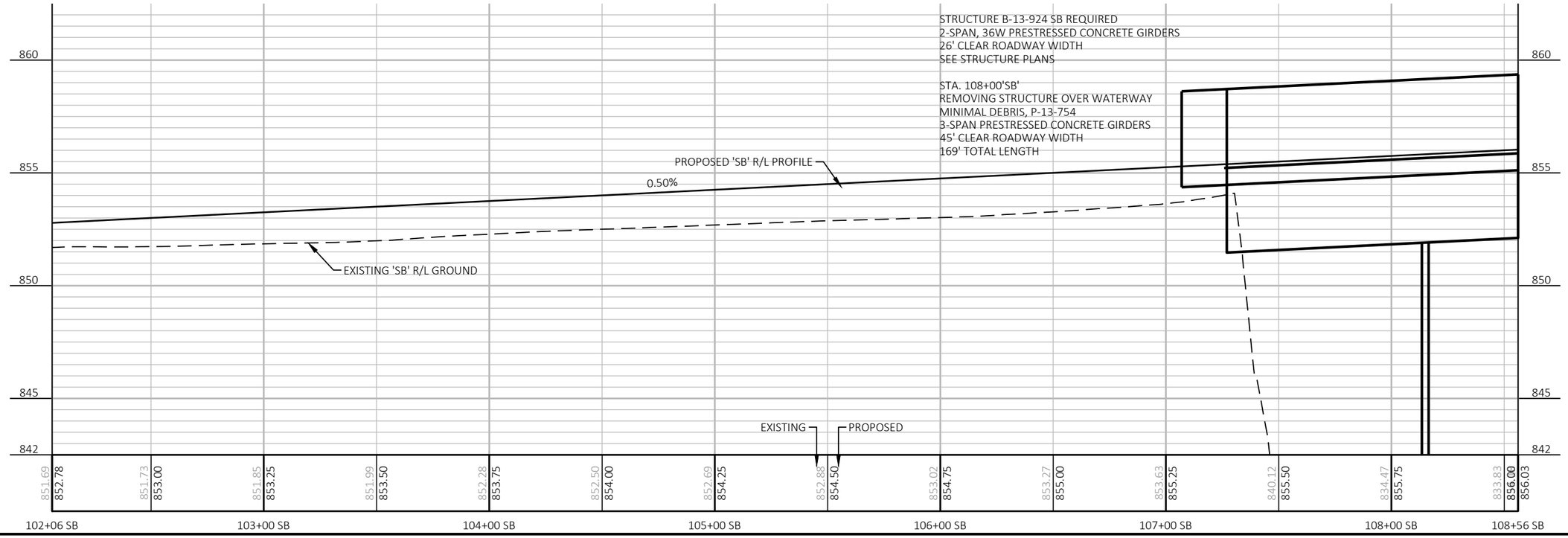
DOCK LINE

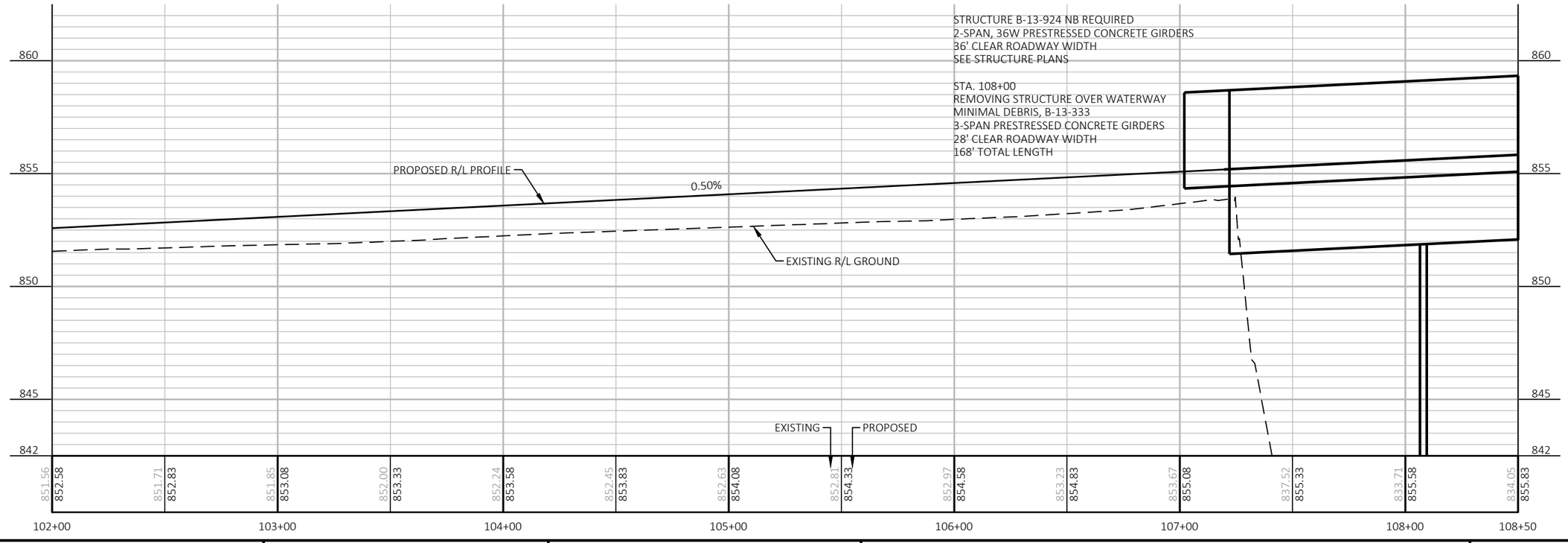
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 807	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 05

PLOT DATE : 5/22/2025 12:29 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

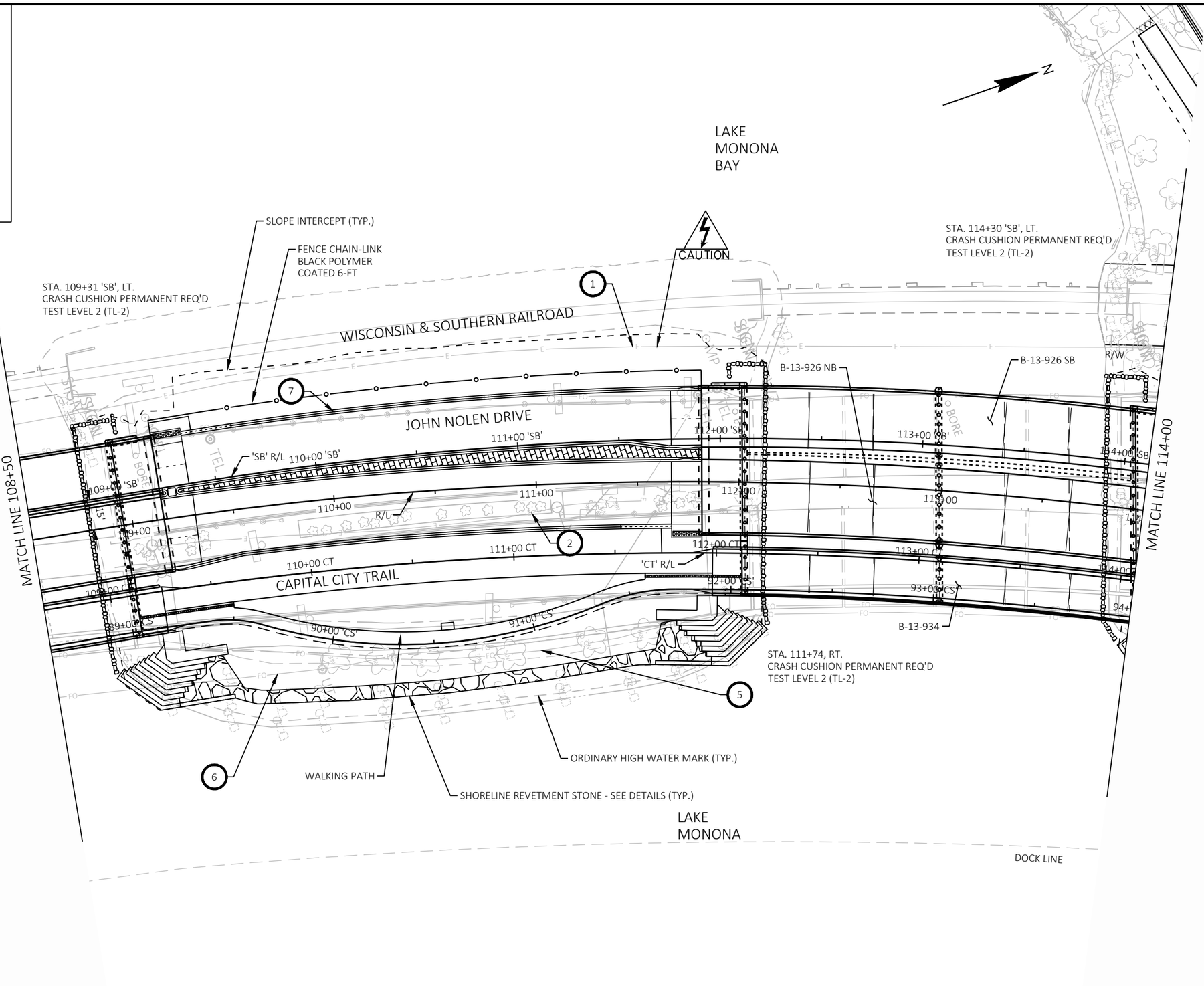
WISDOT/CADDS SHEET 44





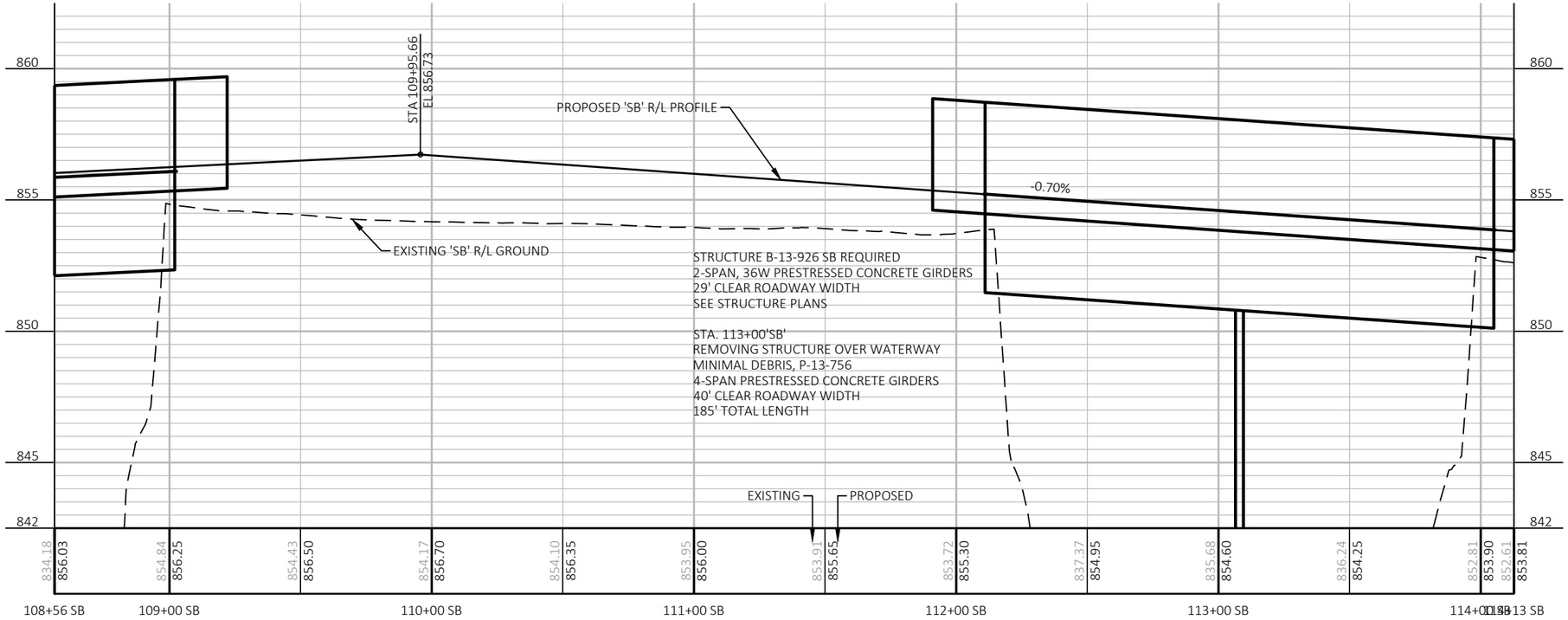
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 808 E

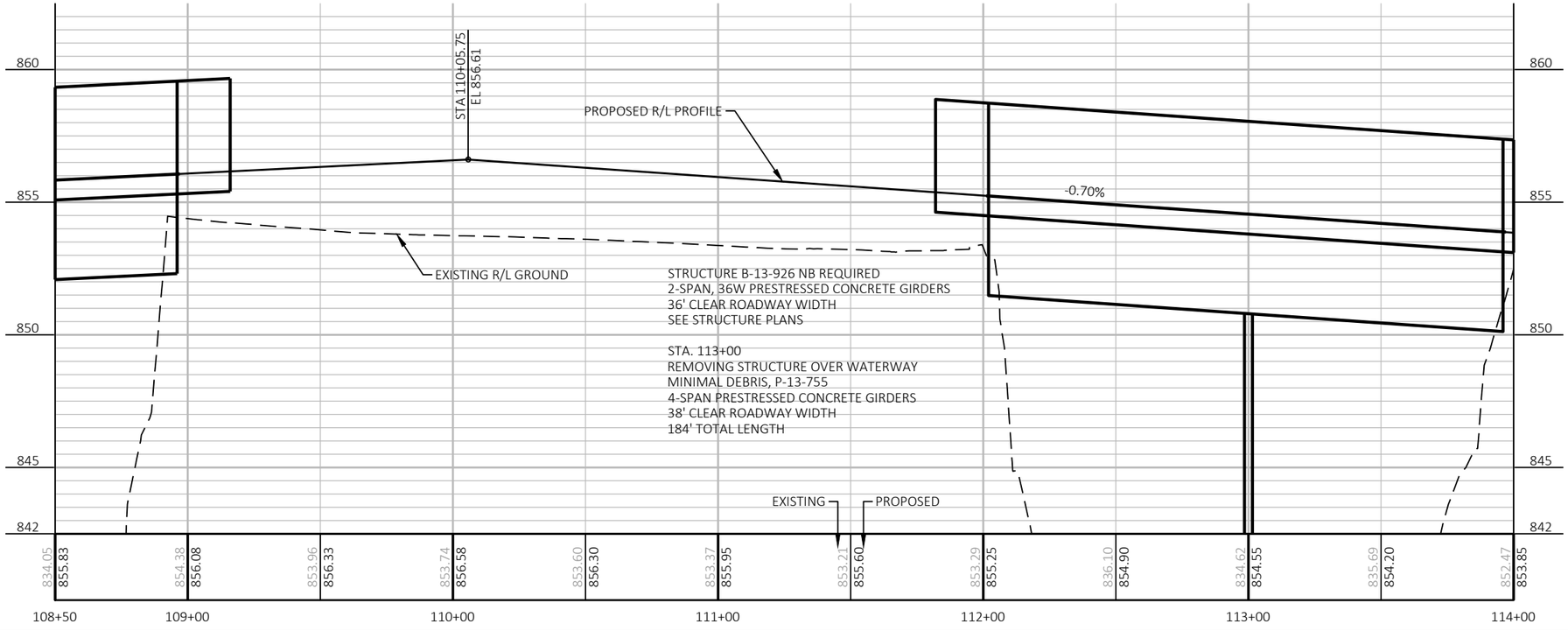
1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
4 MGE (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)
9 MMSD (SANTIARY)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 809	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 06
PLOT DATE : 5/22/2025 12:29 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44





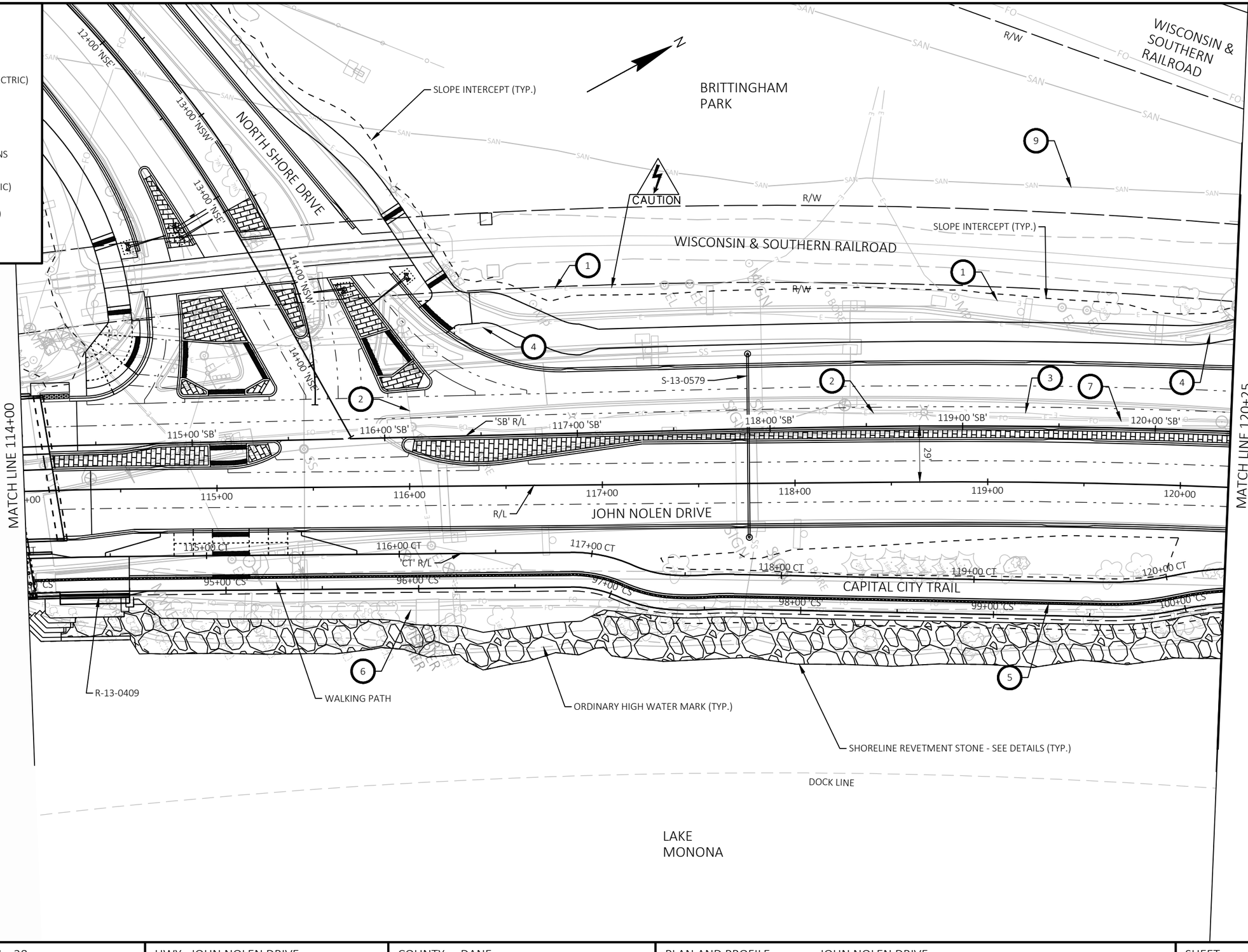
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 810	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 06 PROF

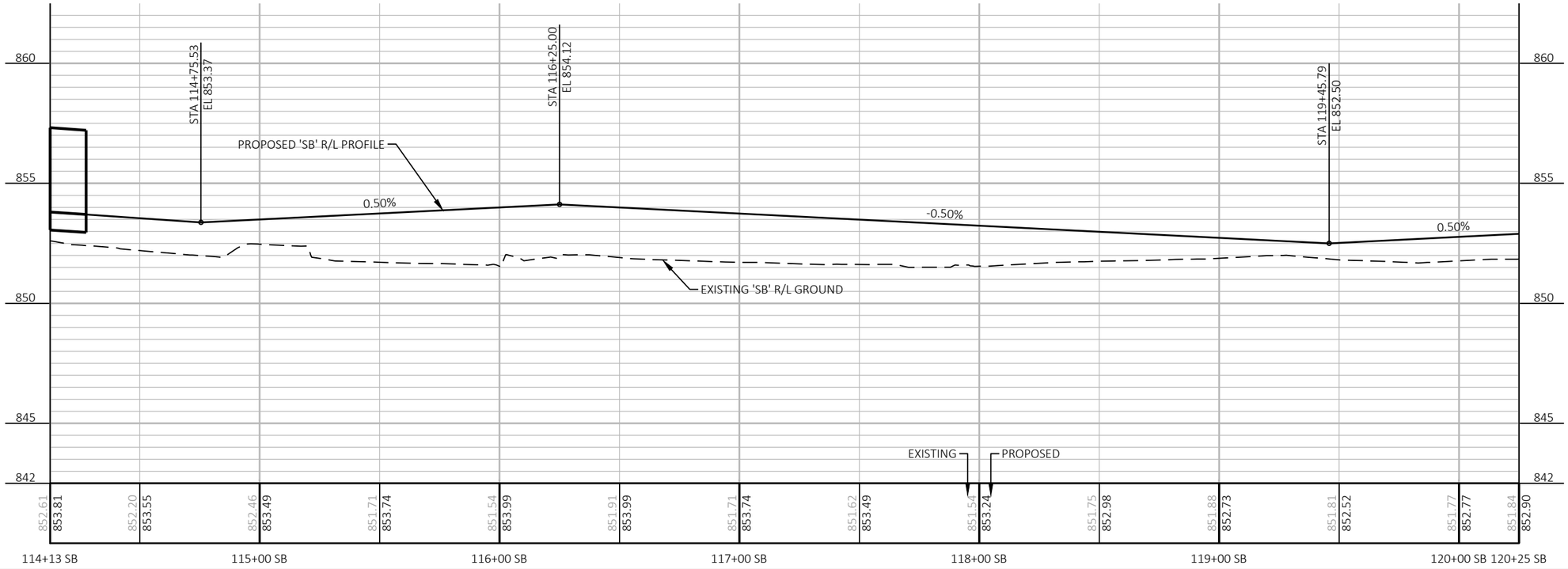
PLOT DATE : 5/22/2025 12:29 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

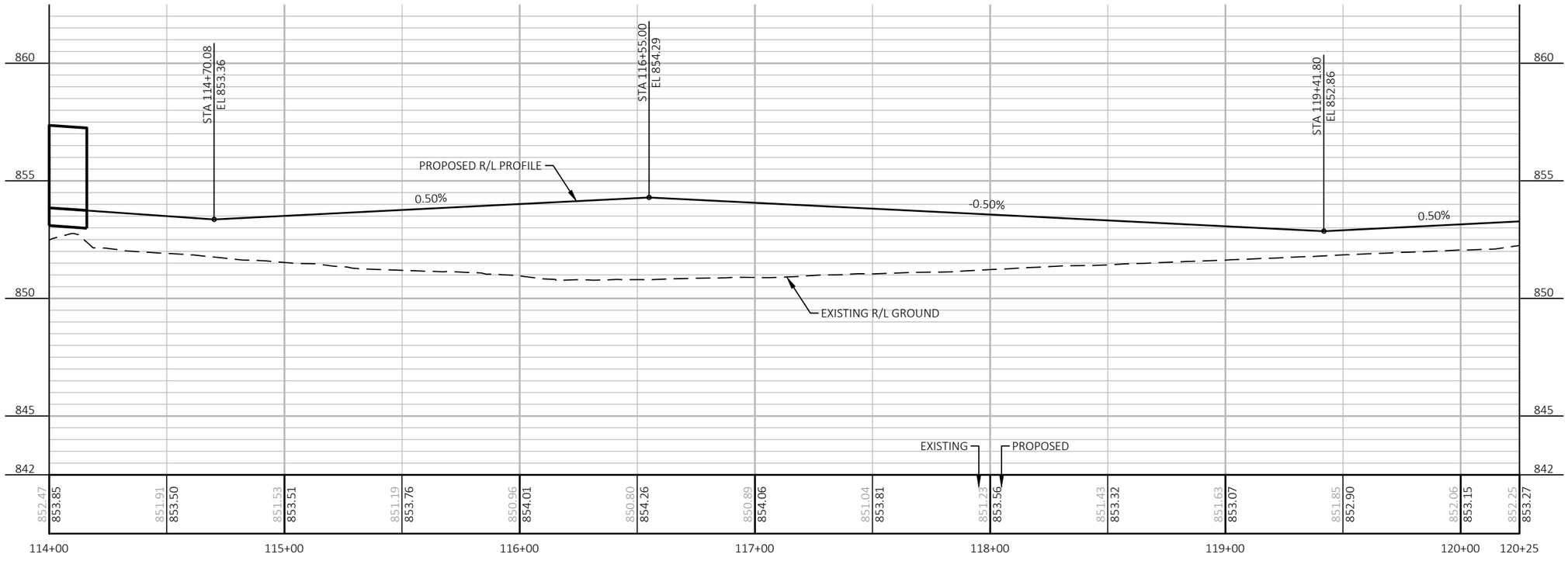
WISDOT/CADDS SHEET 44

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 811	E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 812 E

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)
11. CENTURYLINK

BROOM ST

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

R/W

R/W

R/W

R/W

POST

END ROADWAY CONSTRUCTION
STA 125+13 'SB'

MATCH LINE 120+25

MATCH LINE 126+50

JOHN NOLEN DRIVE

CAPITAL CITY TRAIL

'SB' R/L

'CT' R/L

R/L

29'

701+00 'BSW'

701+00 'BSE'

702+00 'BSW'

702+00 'BSE'

121+00 'SB'

122+00 'SB'

123+00 'SB'

124+00 'SB'

125+00 'SB'

126+00 'SB'

121+00

122+00

123+00

124+00

125+00

126+00

121+00 CT

122+00 CT

101+00 'CS'

102+00 'CS'

WALKING PATH

SLOPE INTERCEPT (TYP.)

ORDINARY HIGH WATER MARK (TYP.)

SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)

LAKE
MONONA

DOCK LINE

BLEACHERS

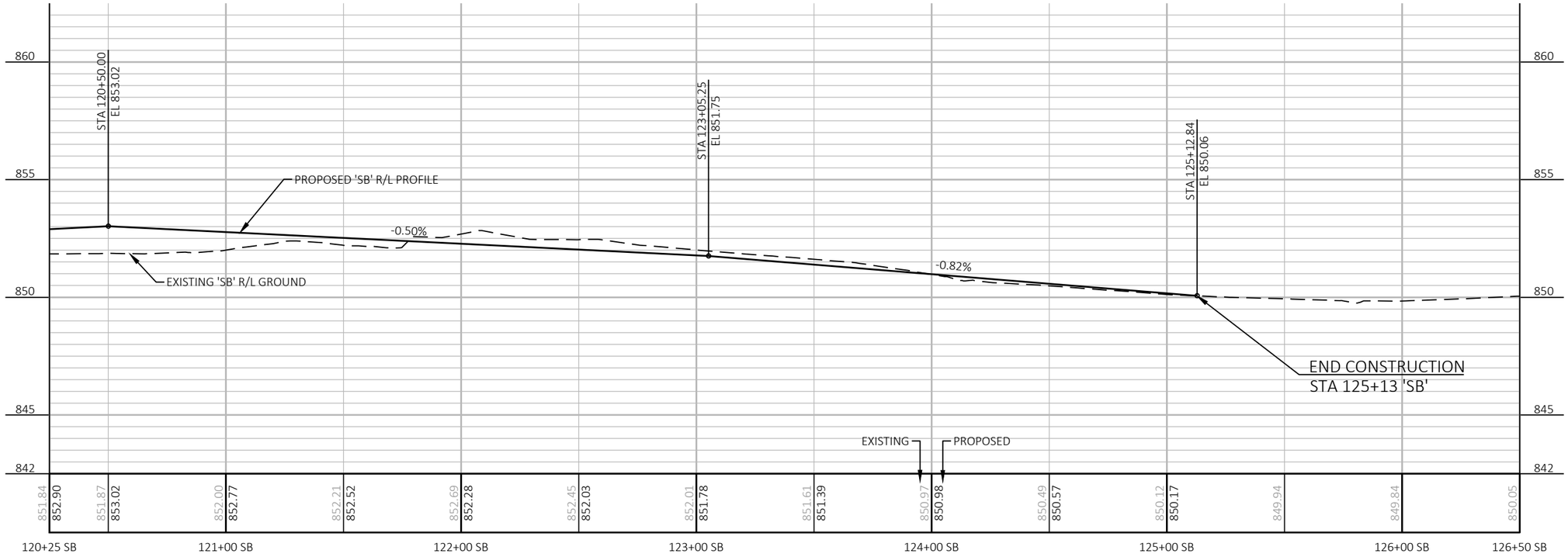
BLEACHERS

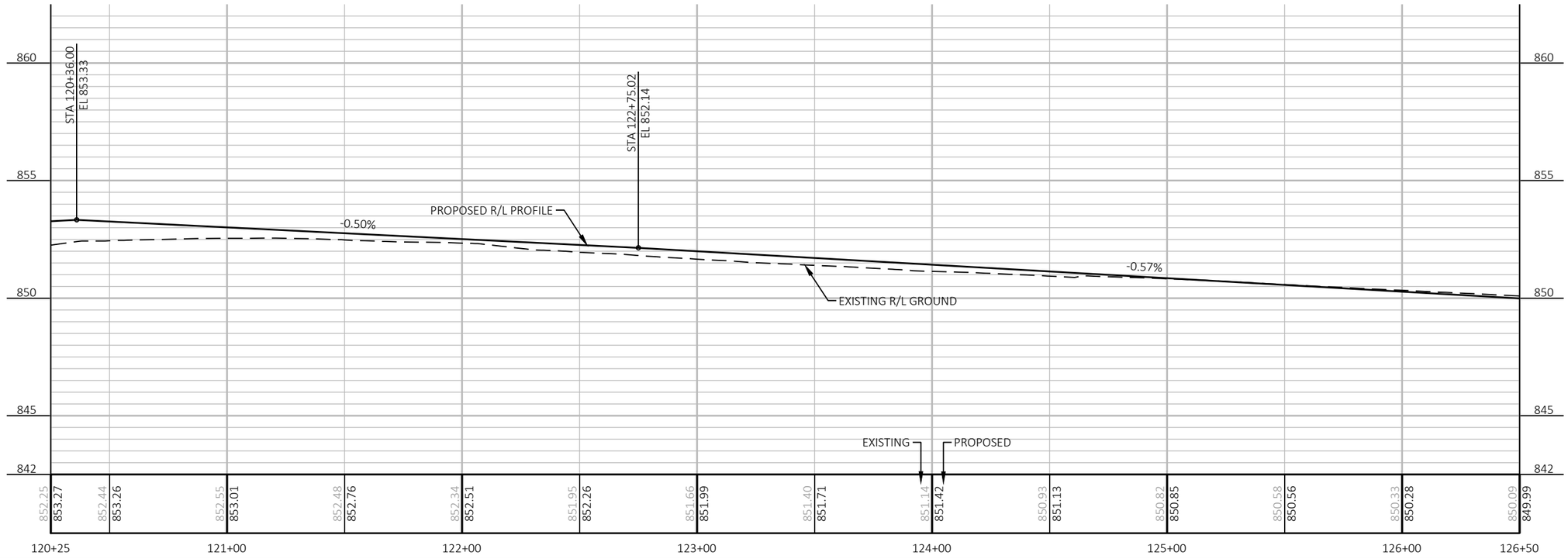
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 813	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 07 (2)

PLOT DATE : 6/16/2025 9:00 AM PLOT BY : DAN RYAN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 814 E

1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
3 CITY OF MADISON PARKS (ELECTRIC)
4 MGE (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)
8 CITY OF MADISON (SANITARY)
9 MMSD (SANTIARY)
10 VERIZON (COMMUNICATIONS)
11 CENTURYLINK

5

5

WISCONSIN & SOUTHERN RAILROAD

R/W

R/W

'SB' R/L

127+00 'SB'

128+00 'SB'

129+00 'SB'

END CONSTRUCTION
STA 128+91 'SB'
MATCH EXISTING
SAW CUT REQ'D

MATCH LINE 126+50

127+00

128+00

129+00

130+00

JOHN NOLEN DRIVE

R/L

END PROJECT
STA 129+01
MATCH EXISTING
SAW CUT REQ'D

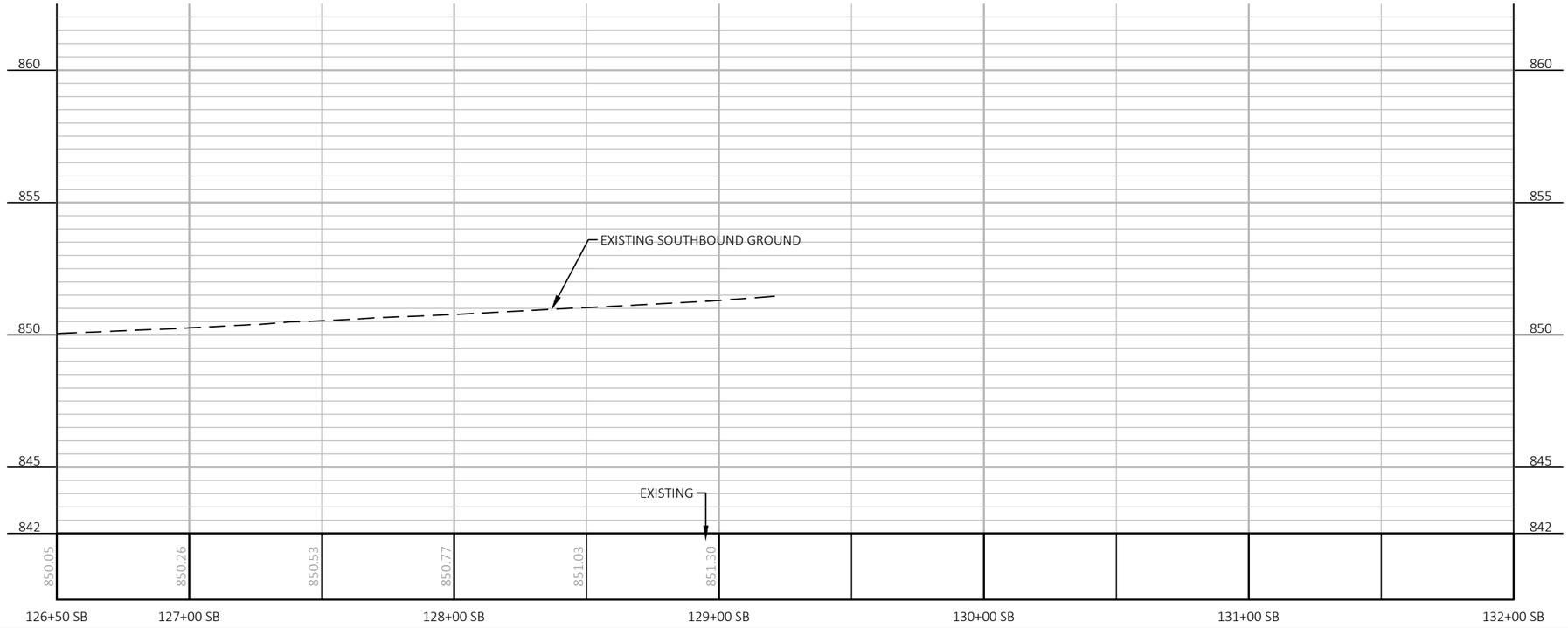
END CONSTRUCTION
STA 129+81
MATCH EXISTING
SAW CUT REQ'D

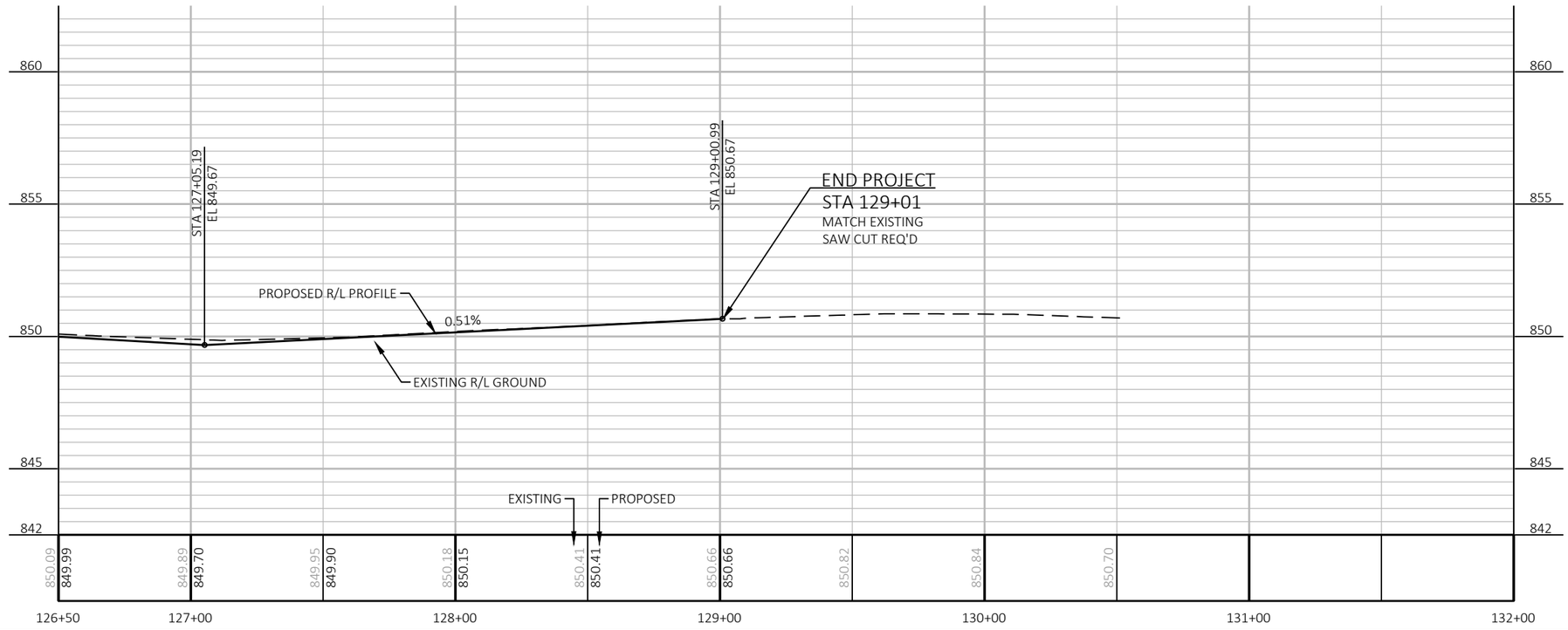
SLOPE INTERCEPT (TYP.)

CAPITAL CITY TRAIL

ORDINARY HIGH WATER MARK (TYP.)

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 815	E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: JOHN NOLEN DRIVE	SHEET 816	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050100-PP.DWG
LAYOUT NAME - 07 PROF (3)

PLOT DATE : 5/22/2025 12:30 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)
11. CENTURYLINK
12. CITY OF MADISON (WATER)
13. WIS DOA (FIBER)

S. BASSETT STREET

WISCONSIN & SOUTHERN RAILROAD

BRITTINGHAM PARK

JOHN NOLEN DRIVE SB

JOHN NOLEN DRIVE NB

NORTH SHORE DRIVE

CAPITAL CITY TRAIL

SLOPE INTERCEPT (TYP.)

14+00 'BPN'
15+00 'BPN'
16+00 'BPN'
17+00 'BPN'
18+00 'BPN'
19+00 'BPN'

11+00 'NSW'
12+00 'NSW'
13+00 'NSW'
14+00 'NSW'

11+00 'NSE'
12+00 'NSE'
13+00 'NSE'
14+00 'NSE'

'NSW' CURVE 4

S-13-0579

114+00 'SB'
115+00 'SB'
116+00 'SB'
117+00 'SB'
118+00 'SB'

114+00
115+00
116+00
117+00
118+00

114+00 CT
116+00 CT
117+00 CT

94+00 CS
95+00 CS
96+00 CS

BEGIN CONSTRUCTION
STA 10+15 'NSW'
MATCH EXISTING
SAW CUT REQ'D

BEGIN CONSTRUCTION
STA 10+00 'NSE'
MATCH EXISTING
SAW CUT REQ'D

ORDINARY HIGH WATER MARK (TYP.)

SLOPE INTERCEPT (TYP.)

ORDINARY HIGH WATER MARK (TYP.)

SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)

WALKING PATH

DOCK LINE

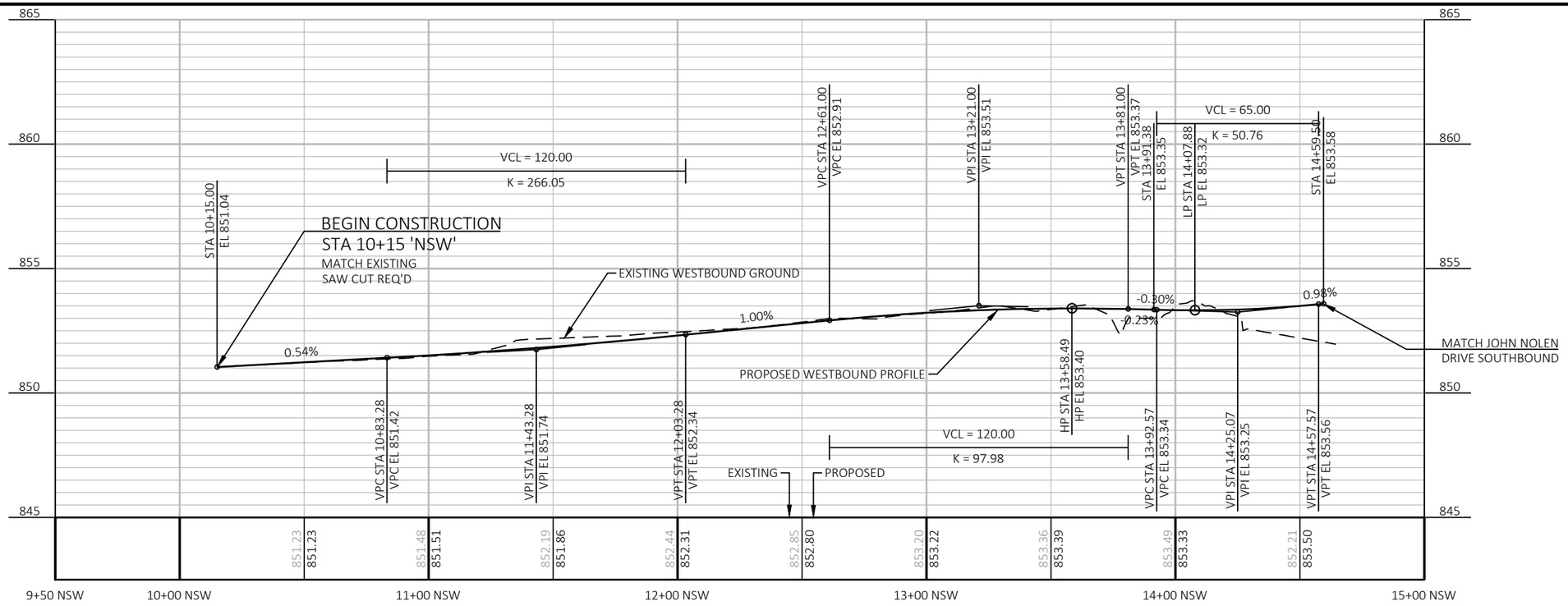
CAUTION

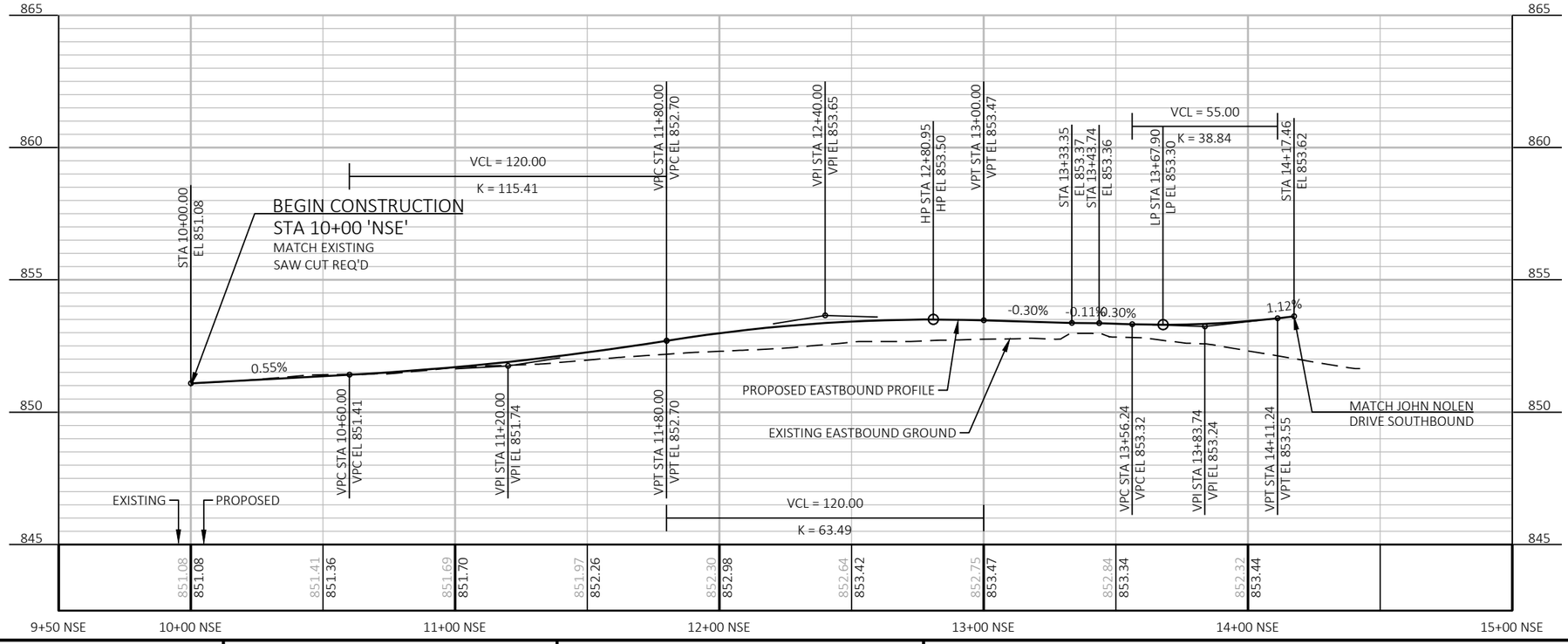
N

LAKE MONONA BAY

LAKE MONONA

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: NORTH SHORE DRIVE	SHEET 817	E





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: NORTH SHORE DRIVE	SHEET 818 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050101-PP_NSD.DWG
LAYOUT NAME - NSD PROF

PLOT DATE : 5/22/2025 1:05 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)

5

5

BEGIN CONSTRUCTION
STA 700+59 'BSW'
MATCH EXISTING

BEGIN CONSTRUCTION
STA 700+59 'BSE'
MATCH EXISTING

ADJUST SANITARY SEWER ACCESS STRUCTURE

CAUTION

BROOM STREET

WISCONSIN & SOUTHERN RAILROAD

WISCONSIN & SOUTHERN RAILROAD

BRITTINGHAM PARK

CAPITAL CITY TRAIL

JOHN NOLEN DRIVE

ORDINARY HIGH WATER MARK (TYP.)

SLOPE INTERCEPT (TYP.)

SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)

LAKE MONONA

DOCK LINE

123+00 'SB'

123+00

122+00

122+00 'SB'

121+00

121+00 'SB'

120+00

120+00 'SB'

119+00

119+00 'SB'

702+00 'BSW'

701+00 'BSW'

701+00 'BSE'

702+00 'BSE'

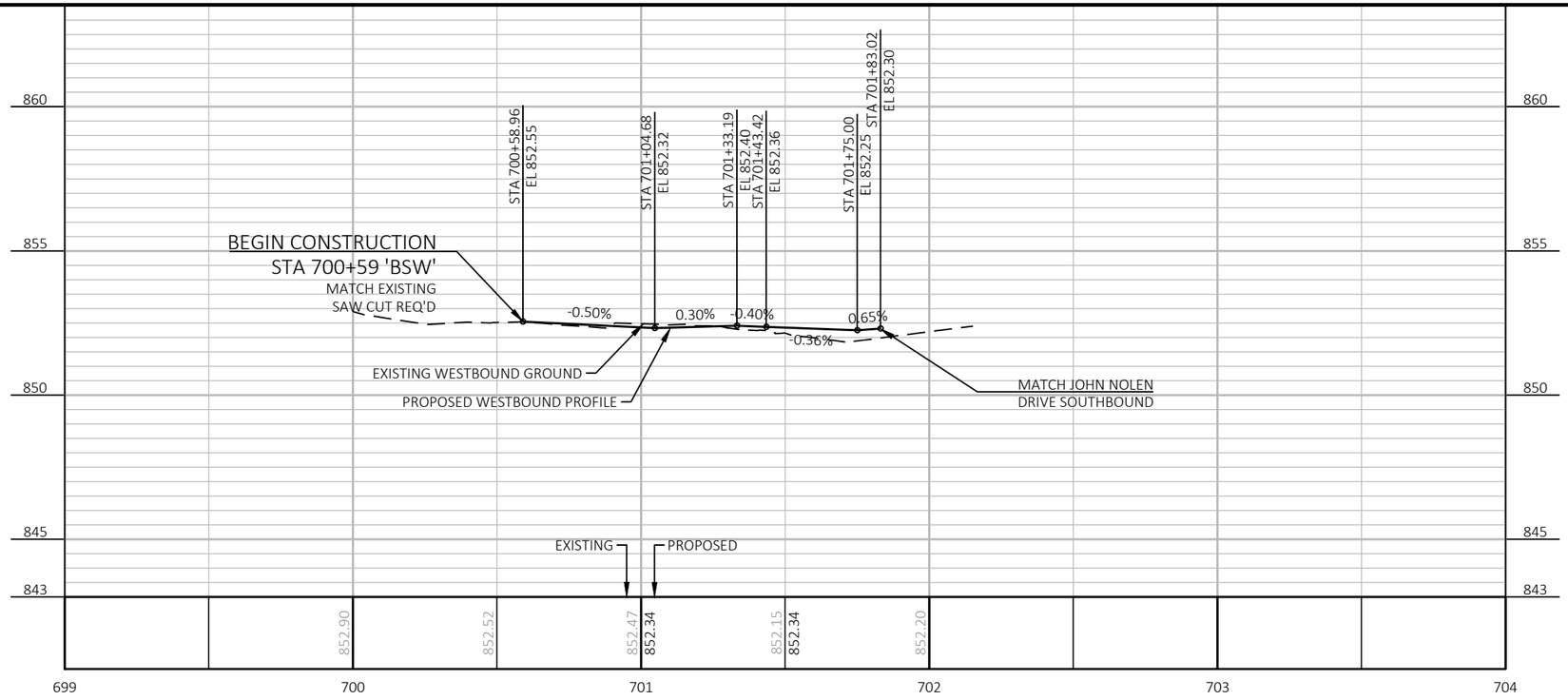
R/W

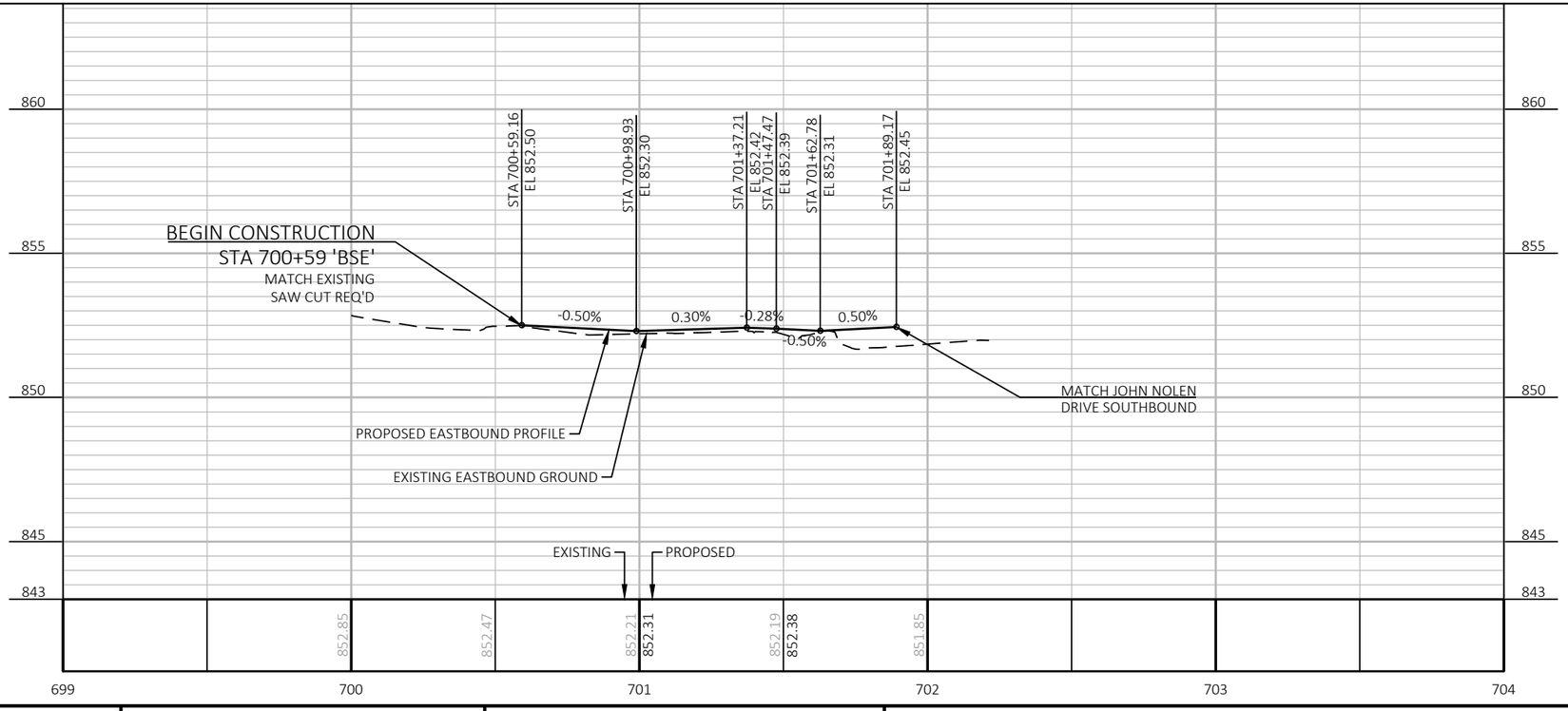
PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BROOM STREET	SHEET 819	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050102-PP_BS.DWG
LAYOUT NAME - BS

PLOT DATE : 6/16/2025 9:14 AM PLOT BY : DAN RYAN PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

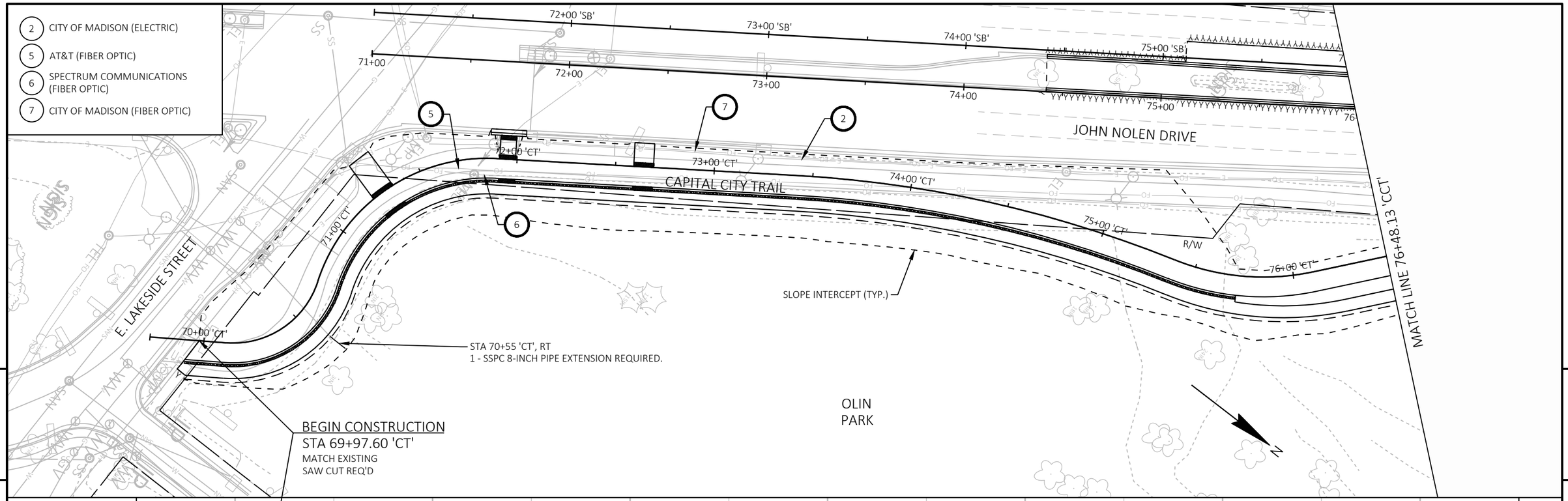


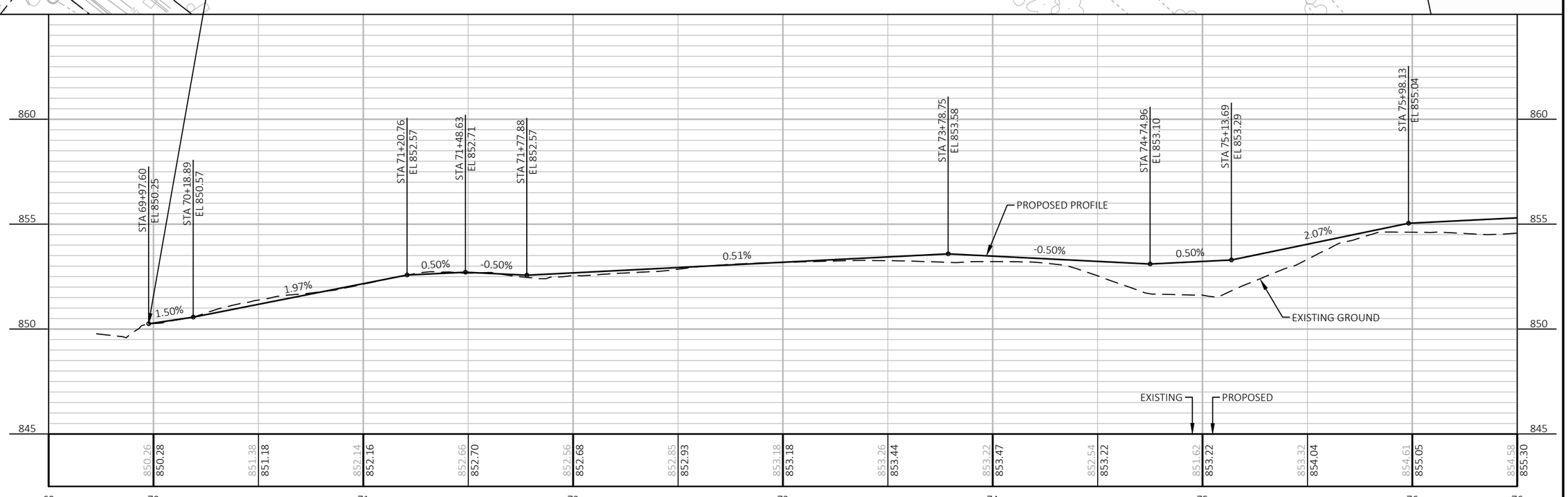


PROJECT NO: 5992-11-21	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BROOM STREET	SHEET 820	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050102-PP_BS.DWG
LAYOUT NAME - BS PROF
PLOT DATE : 5/22/2025 1:08 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

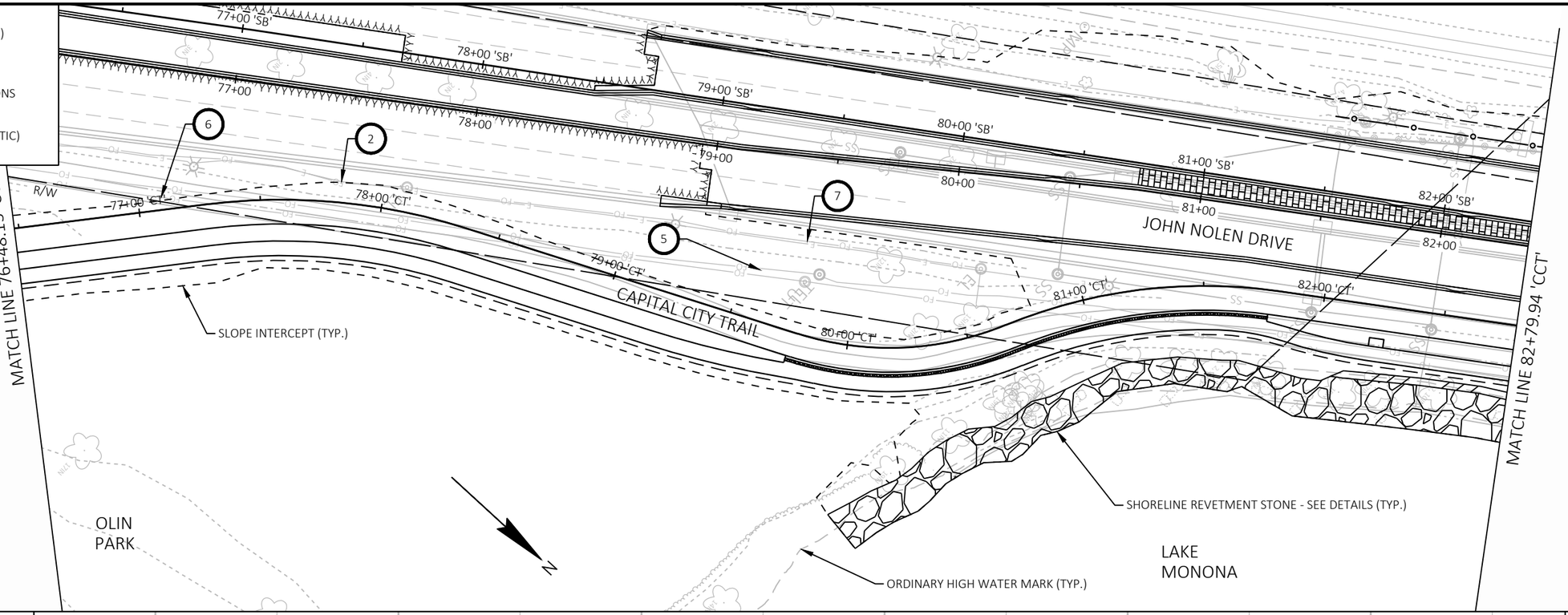
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

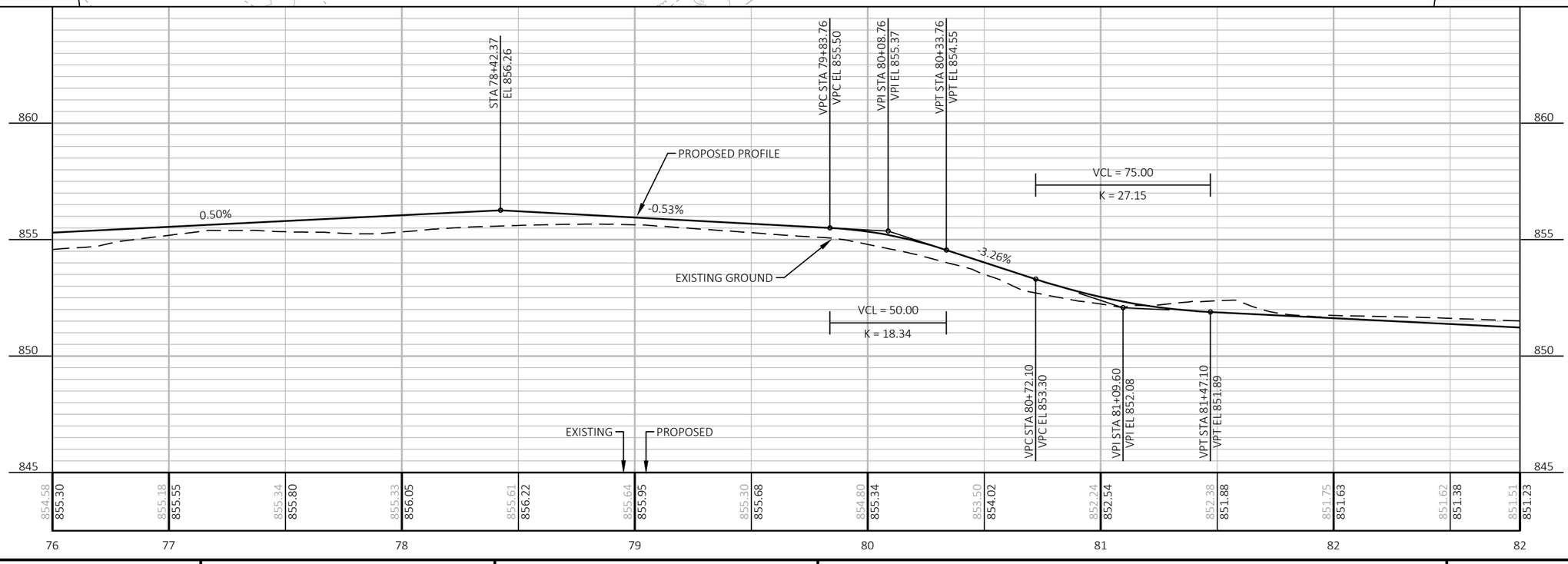




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 821	E

2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

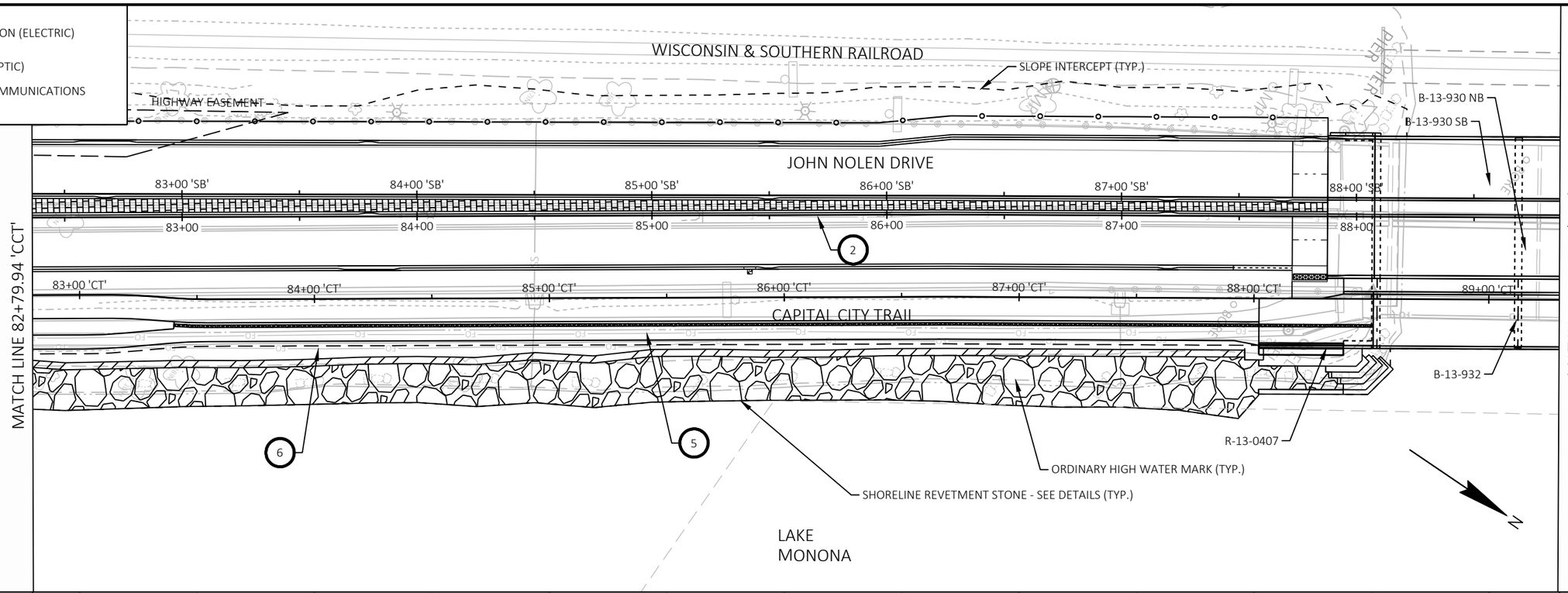


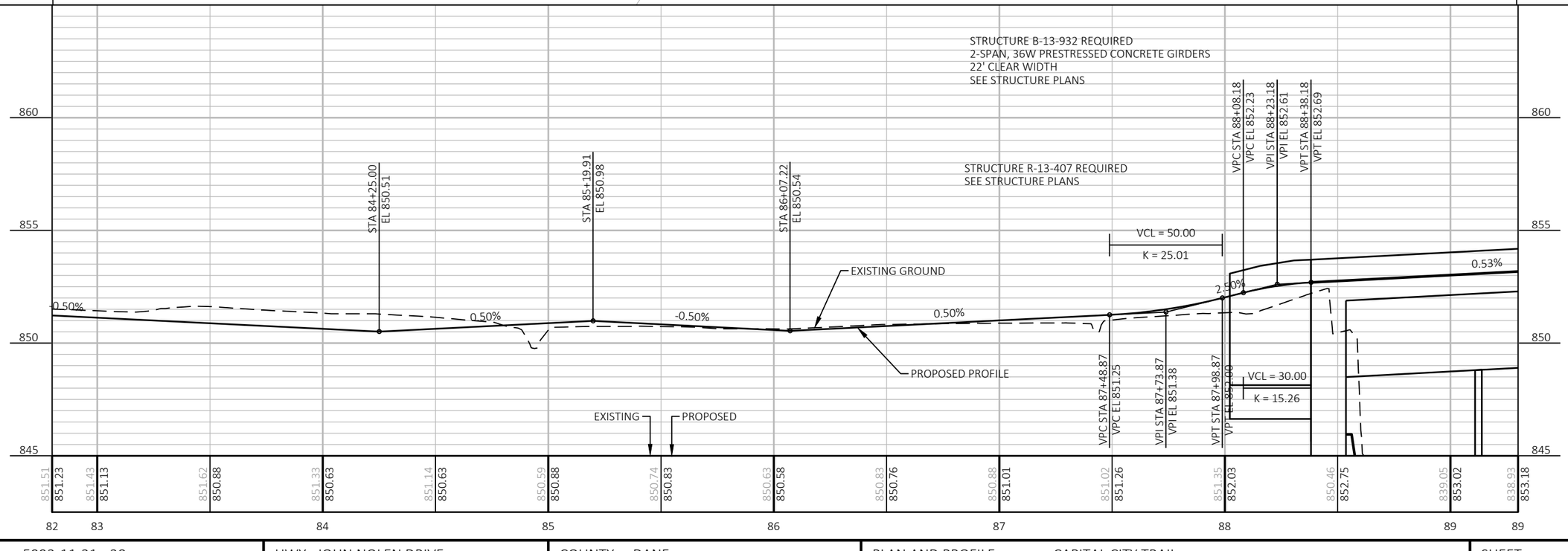


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 822	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050103-PP_CCT.DWG
LAYOUT NAME - 02
PLOT DATE : 5/22/2025 1:25 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

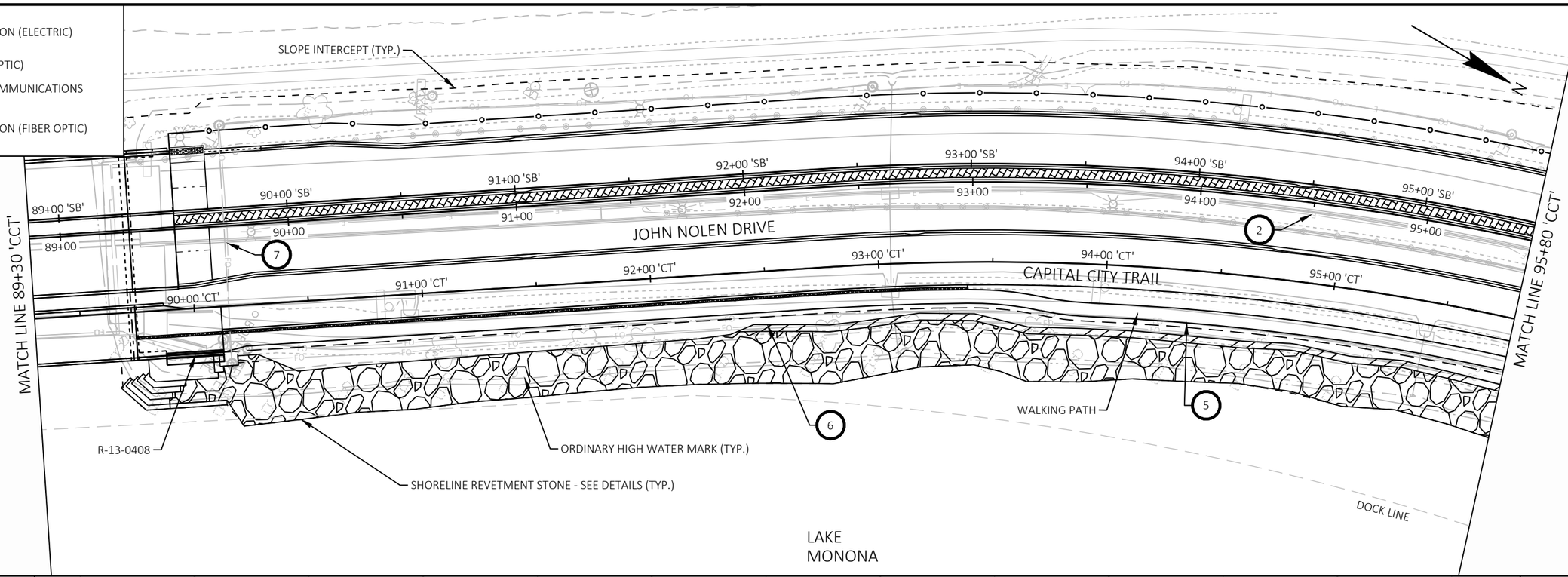
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)

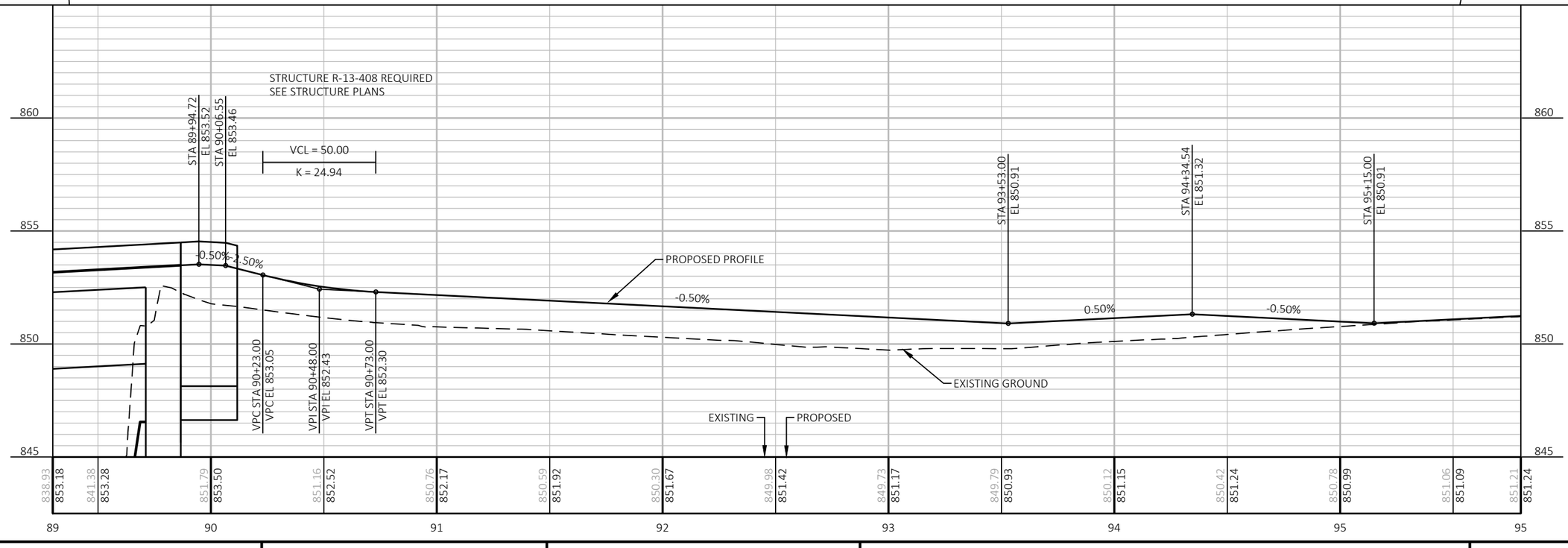




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 823 E

2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 824	E

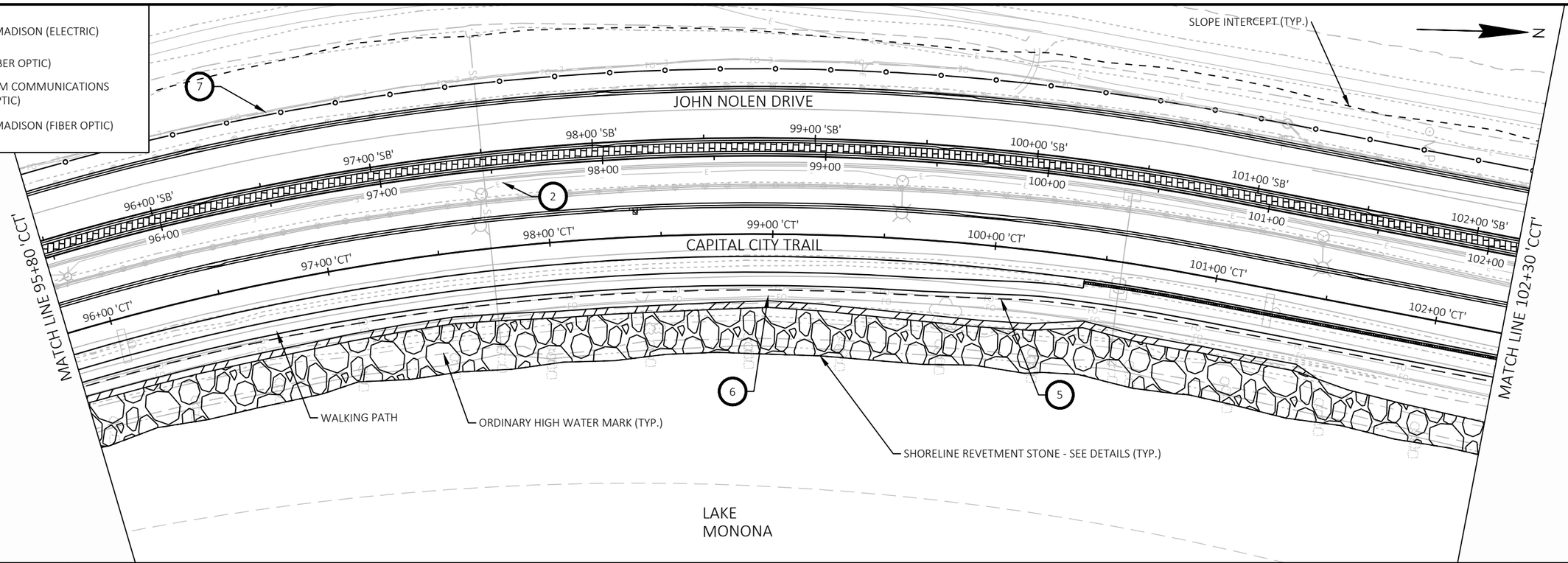
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050103-PP_CCT.DWG
LAYOUT NAME - 04
PLOT DATE : 5/22/2025 1:26 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

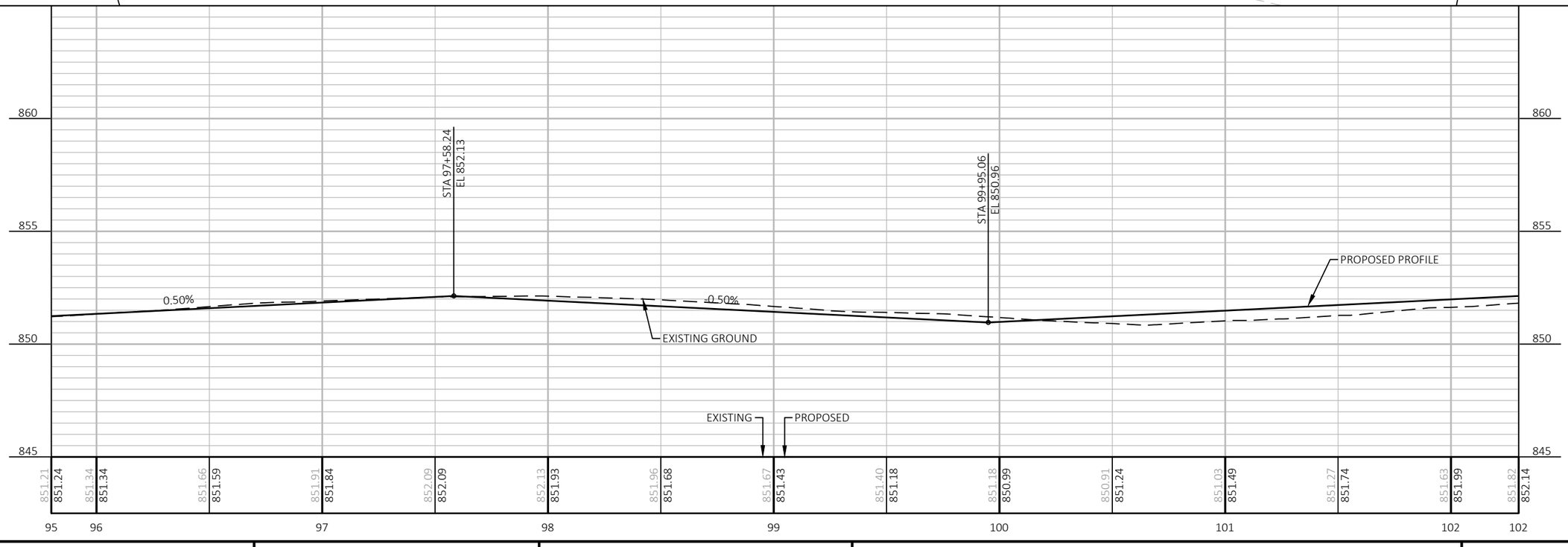
2 CITY OF MADISON (ELECTRIC)

5 AT&T (FIBER OPTIC)

6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)

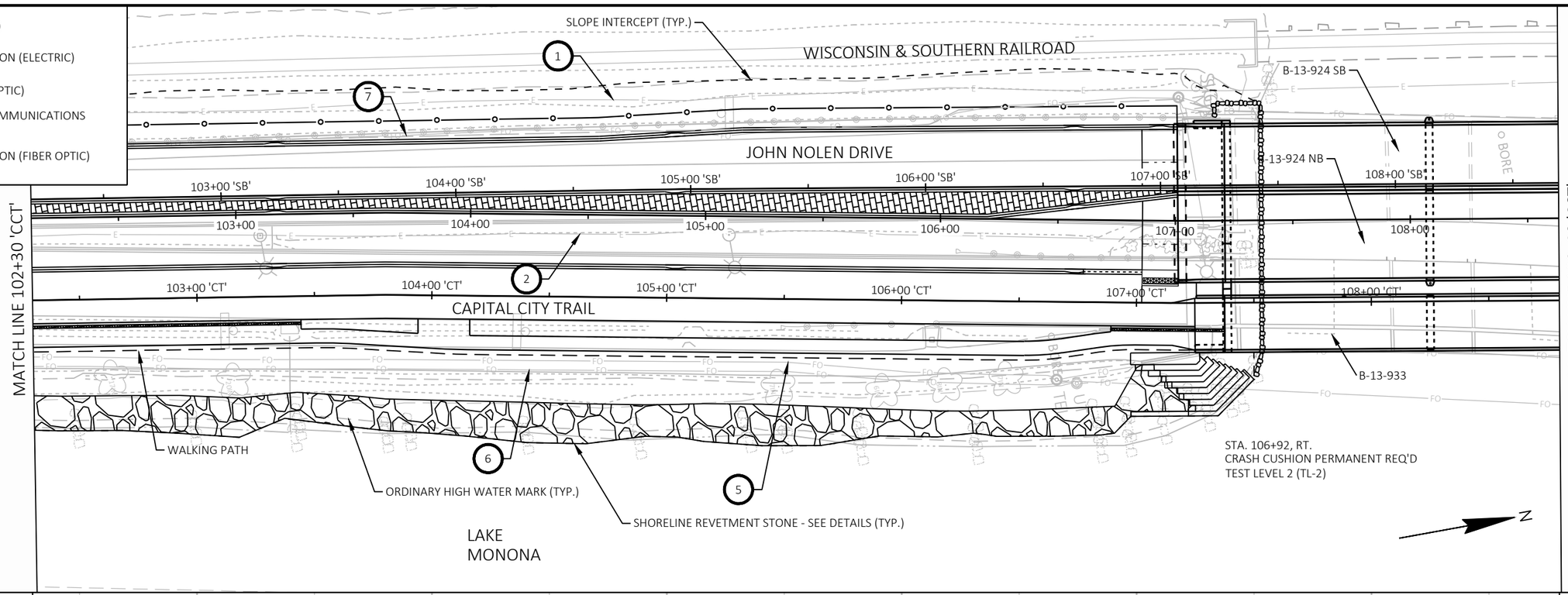
7 CITY OF MADISON (FIBER OPTIC)

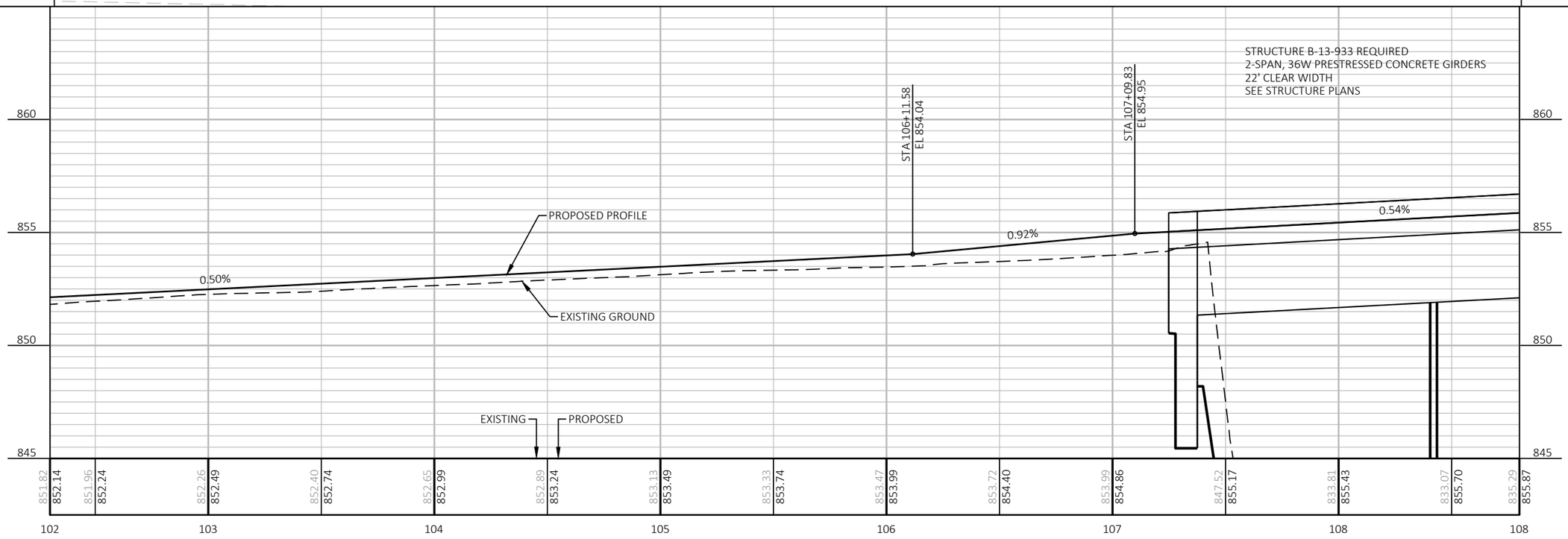




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 825 E

1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 826 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050103-PP_CCT.DWG
LAYOUT NAME - 06
PLOT DATE : 5/22/2025 1:26 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

WISCONSIN & SOUTHERN RAILROAD
JOHN NOLEN DRIVE
CAPITAL CITY TRAIL
MATCH LINE 108+80 'CCT'
MATCH LINE 115+30 'CCT'
B-13-926 NB
B-13-926 SB
B-13-934
R-13-0409
109+00 'SB'
110+00 'SB'
111+00 'SB'
112+00 'SB'
113+00 'SB'
114+00 'SB'
115+00 'SB'
109+00
110+00
111+00
112+00
113+00
114+00
115+00
109+00 'CT'
110+00 'CT'
111+00 'CT'
112+00 'CT'
113+00 'CT'
114+00 'CT'
115+00 'CT'
WALKING PATH
ORDINARY HIGH WATER MARK (TYP.)
SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)
SLOPE INTERCEPT (TYP.)
LAKE MONONA
N

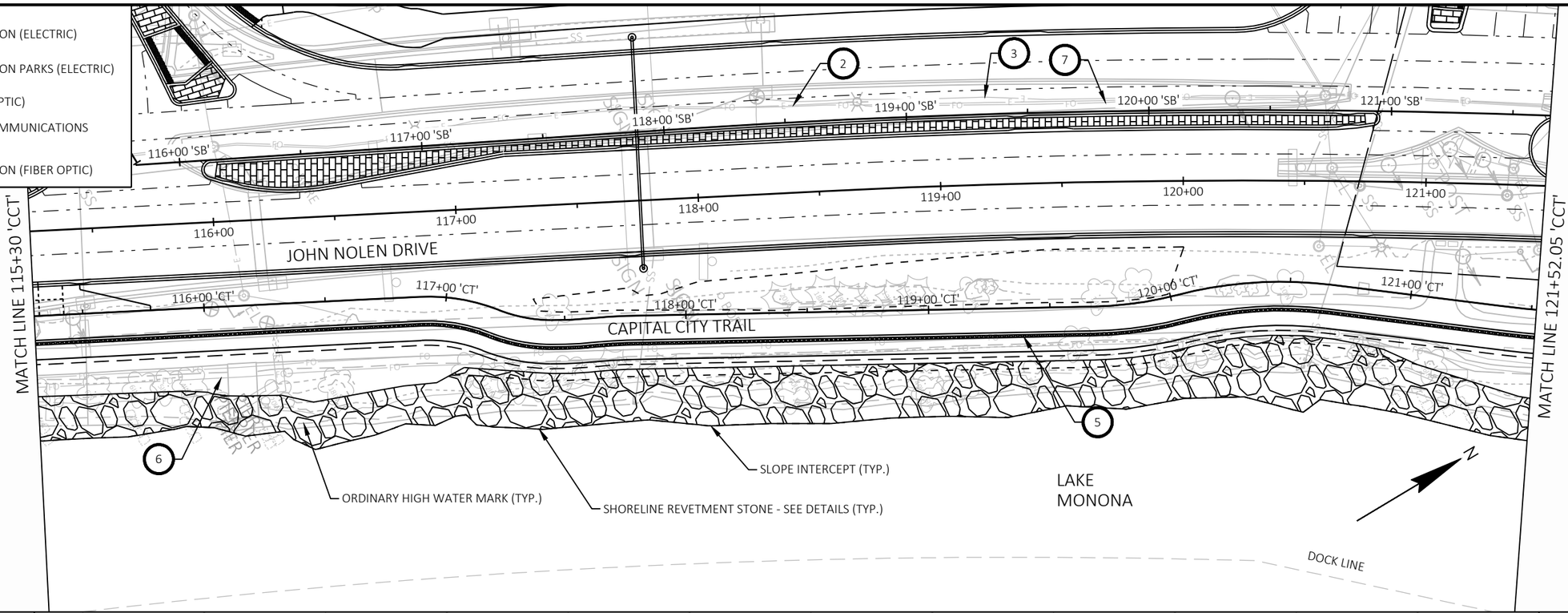
STRUCTURE R-13-409 REQUIRED
SEE STRUCTURE PLANS
STRUCTURE B-13-934 REQUIRED
2-SPAN, 36W PRESTRESSED CONCRETE GIRDERS
22' CLEAR WIDTH
SEE STRUCTURE PLANS
STA 109+40.33 EL 856.19
STA 111+84.45 EL 854.84
STA 114+32.38 EL 853.10
STA 114+56.43 EL 853.22
STA 115+04.13 EL 853.65
PROPOSED PROFILE
EXISTING GROUND
-0.55%
-0.70%
0.50%
0.89%
EXISTING
PROPOSED

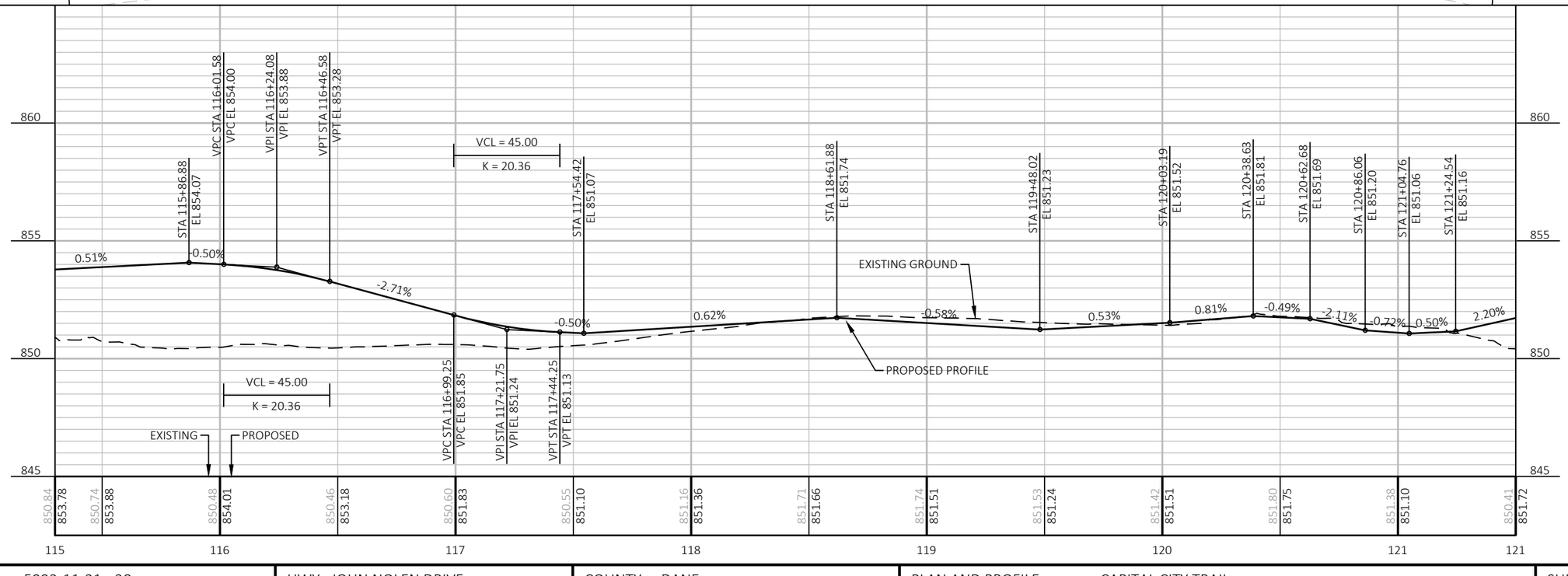
835.29	855.87	108	
845.81	855.97	109	
854.49	856.14		
854.14	855.86	110	
853.71	855.58		
853.32	855.31	111	
853.09	855.03		
853.18	854.73	112	
835.27	854.38		
833.54	854.03	113	
833.00	853.68		
852.22	853.33	114	
851.17	853.19		
850.84	853.61	115	
850.84	853.78	115	

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 827 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050103-PP_CCT.DWG
LAYOUT NAME - 07
PLOT DATE : 5/22/2025 1:27 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

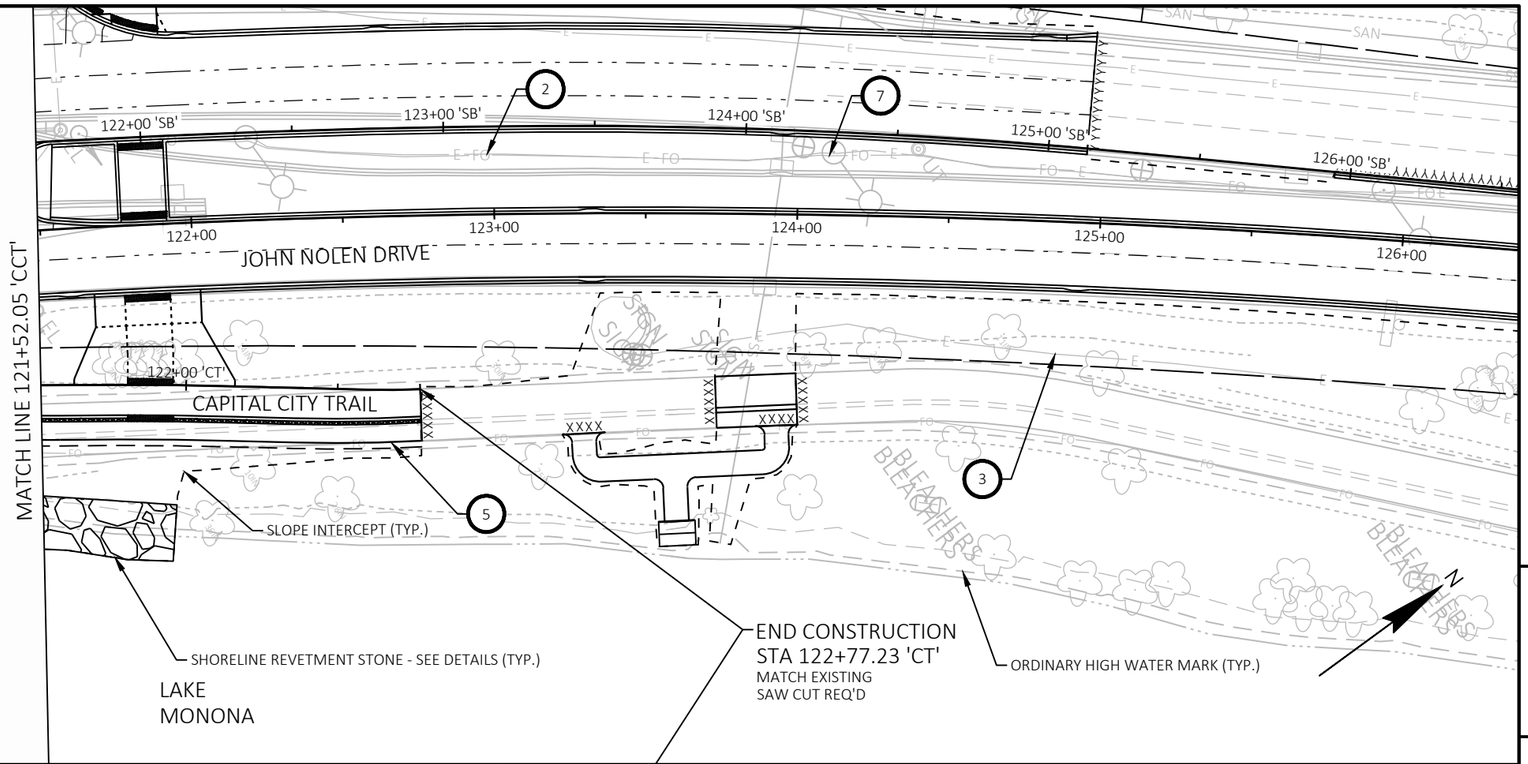
2 CITY OF MADISON (ELECTRIC)
3 CITY OF MADISON PARKS (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

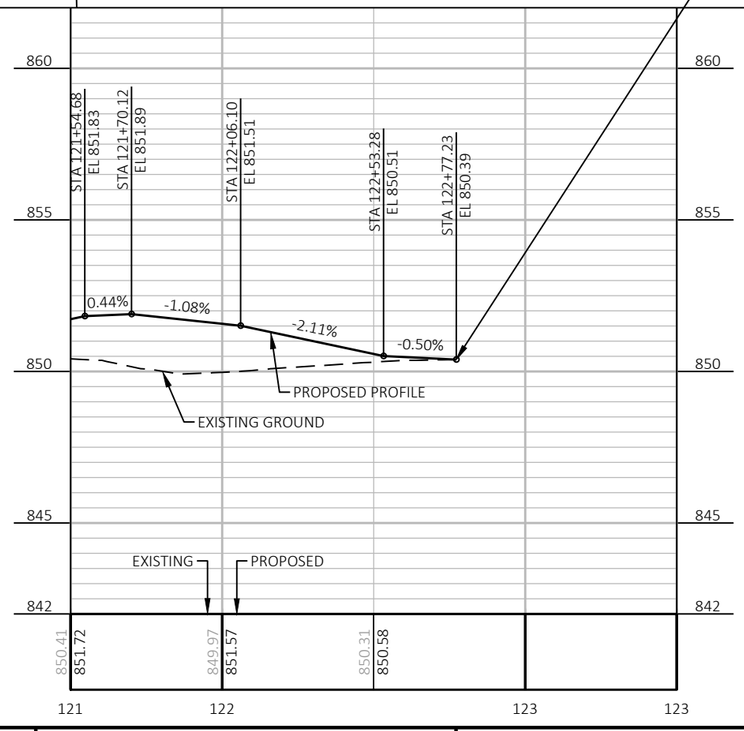




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 828	E

2 CITY OF MADISON (ELECTRIC)
3 CITY OF MADISON PARKS (ELECTRIC)
5 AT&T (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

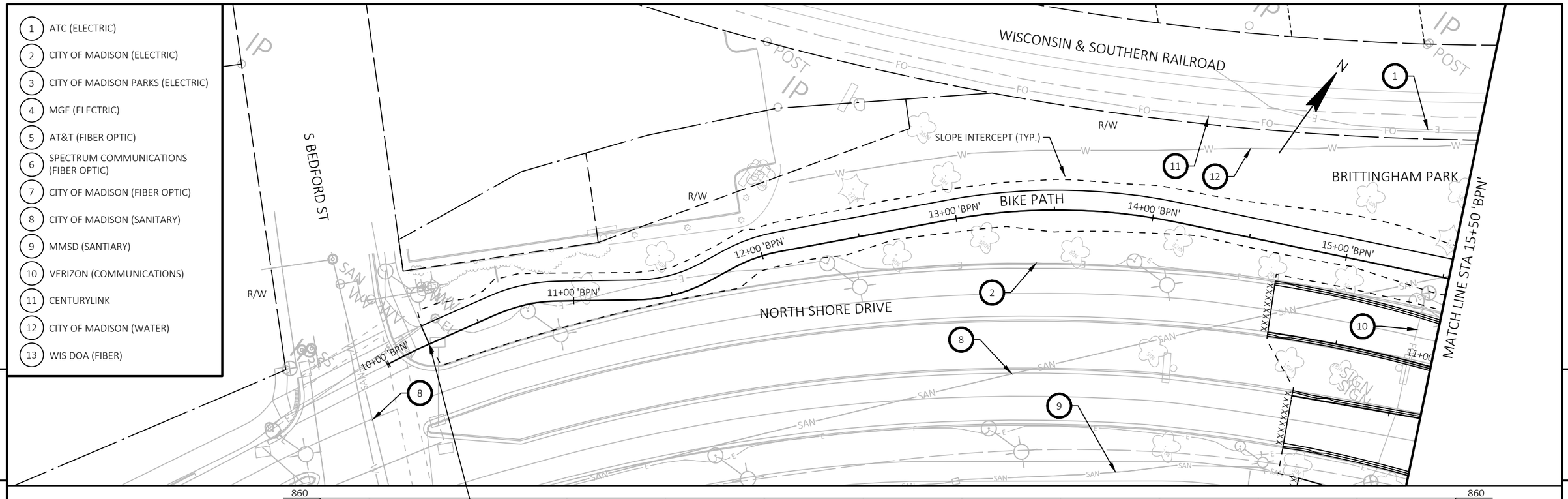




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: CAPITAL CITY TRAIL	SHEET 829	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050103-PP_CCT.DWG
LAYOUT NAME - 09
PLOT DATE : 5/22/2025 1:27 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

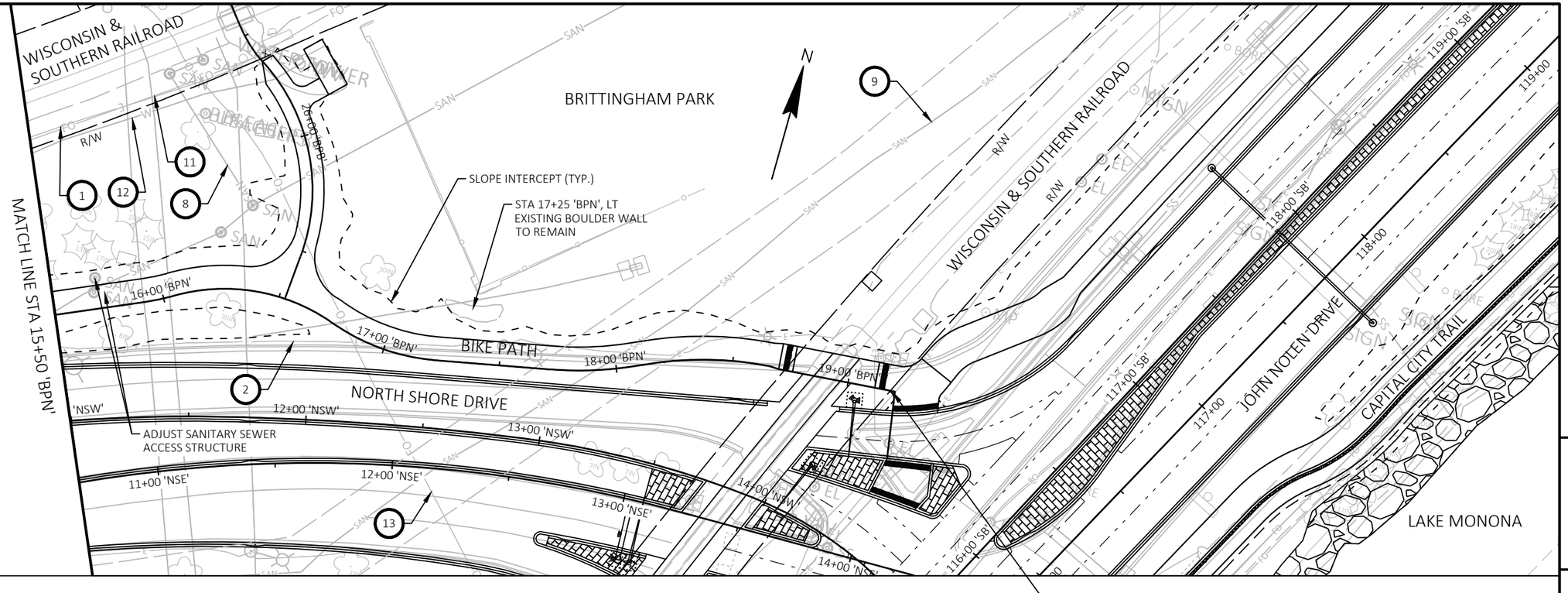
1 ATC (ELECTRIC)
2 CITY OF MADISON (ELECTRIC)
3 CITY OF MADISON PARKS (ELECTRIC)
4 MGE (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)
8 CITY OF MADISON (SANITARY)
9 MMSD (SANTIARY)
10 VERIZON (COMMUNICATIONS)
11 CENTURYLINK
12 CITY OF MADISON (WATER)
13 WIS DOA (FIBER)

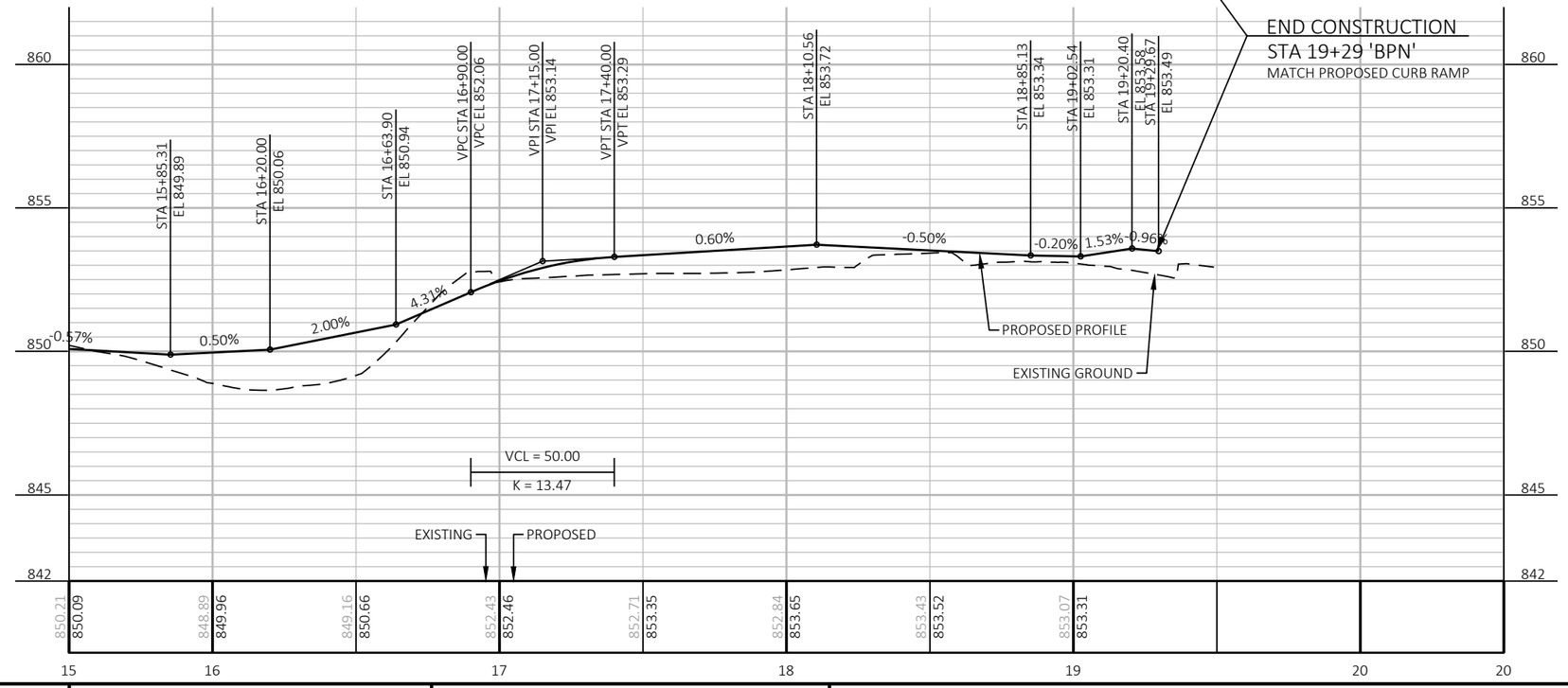


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BIKE PATH NORTH SHORE DRIVE	SHEET 830 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050104-PP_BP.DWG
LAYOUT NAME - BP
PLOT DATE : 6/16/2025 12:39 PM PLOT BY : DAN RYAN PLOT NAME : PLOT SCALE : 1 IN:50 FT

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)
11. CENTURYLINK
12. CITY OF MADISON (WATER)
13. WIS DOA (FIBER)

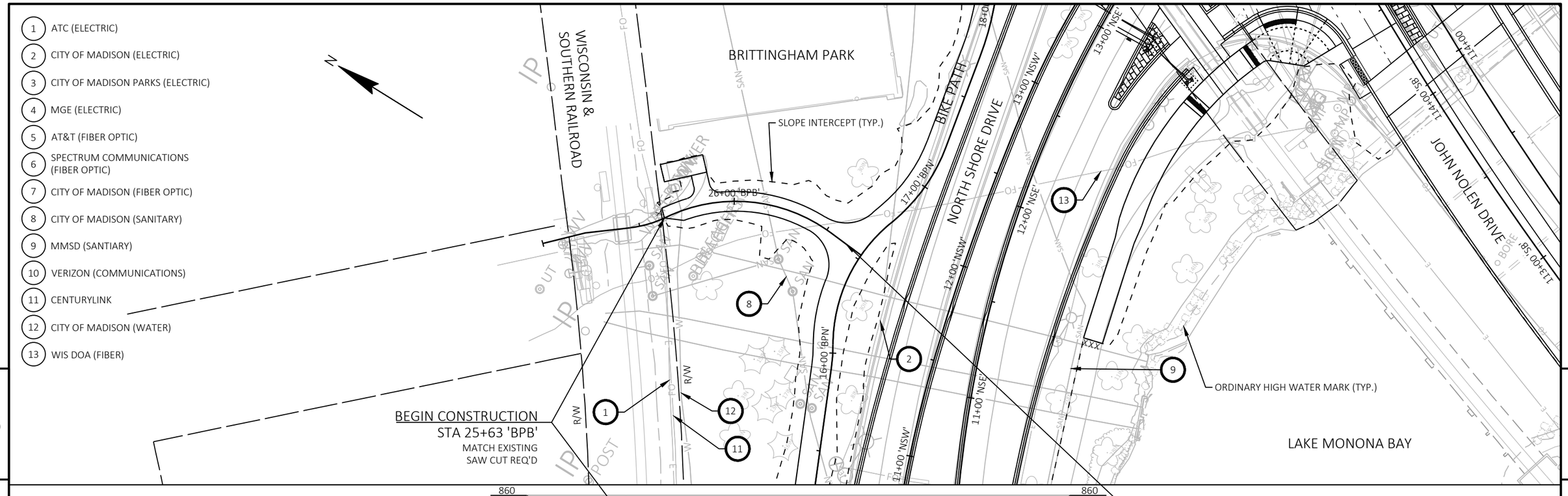




PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BIKE PATH NORTH SHORE DRIVE	SHEET 831	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050104-PP_BP.DWG
LAYOUT NAME - BP (2)
PLOT DATE : 6/16/2025 12:40 PM
PLOT BY : DAN RYAN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

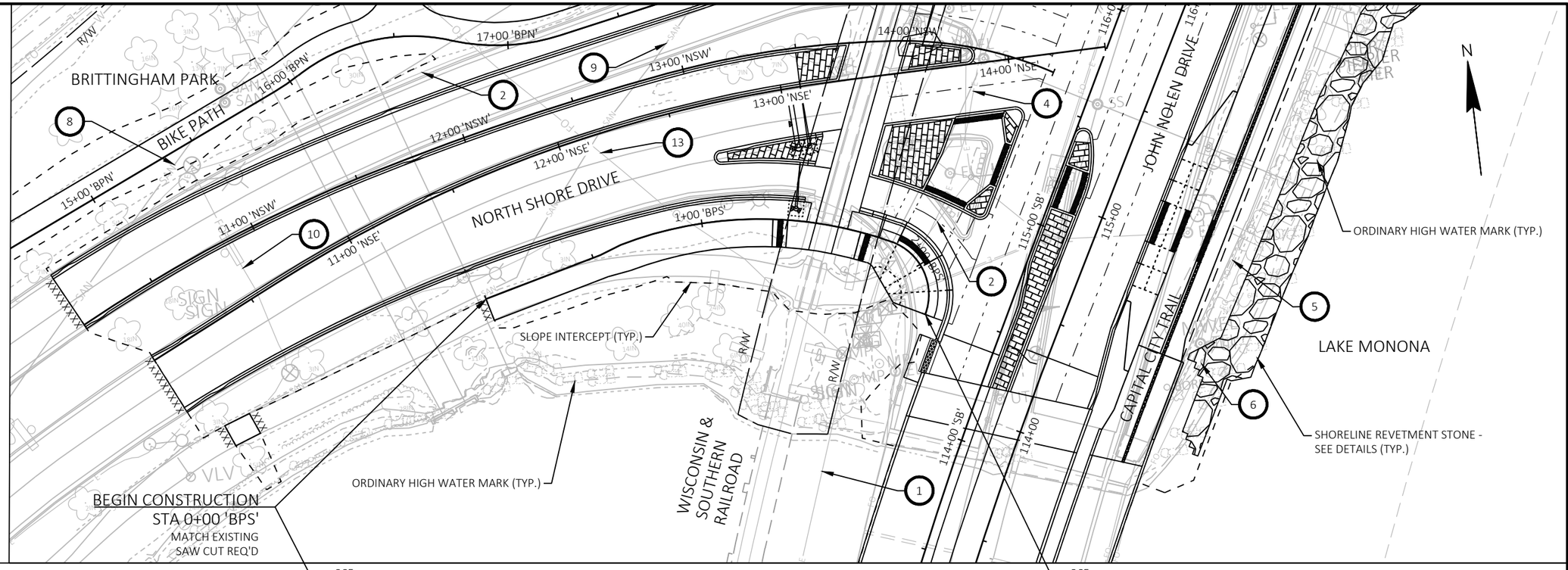
1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)
11. CENTURYLINK
12. CITY OF MADISON (WATER)
13. WIS DOA (FIBER)

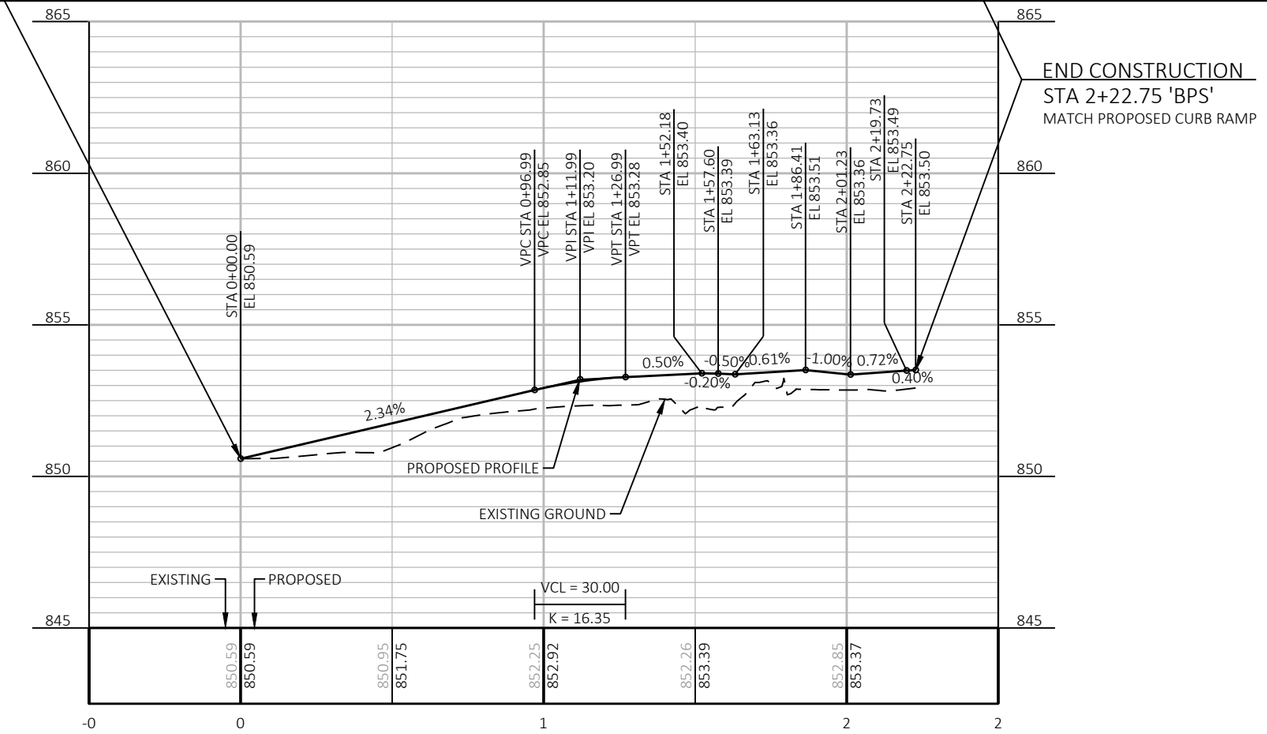


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BIKE PATH BASSETT ST CONNECTION	SHEET 832	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050105-PP_BPB.DWG
LAYOUT NAME - BP (2)
PLOT DATE : 6/16/2025 12:52 PM
PLOT BY : DAN RYAN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

1. ATC (ELECTRIC)
2. CITY OF MADISON (ELECTRIC)
3. CITY OF MADISON PARKS (ELECTRIC)
4. MGE (ELECTRIC)
5. AT&T (FIBER OPTIC)
6. SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7. CITY OF MADISON (FIBER OPTIC)
8. CITY OF MADISON (SANITARY)
9. MMSD (SANTIARY)
10. VERIZON (COMMUNICATIONS)
11. CENTURYLINK
12. CITY OF MADISON (WATER)
13. WIS DOA (FIBER)





PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: BIKE PATH NORTH SHORE DRIVE SOUTH	SHEET 833 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050106-PP_BPS.DWG
LAYOUT NAME - BP (2)
PLOT DATE : 6/16/2025 12:57 PM
PLOT BY : DAN RYAN
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

3 CITY OF MADISON PARKS (ELECTRIC)

5 AT&T (FIBER OPTIC)

124+00

124+00 'S'

JOHN NOLEN DRIVE

SIGN

SIGN

SIGN

SIGN

3

CAPITAL CITY TRAIL
AND WALKING PATH

415+50 'FD'

700+50 'FDO'

701+00 'FDO'

ORDINARY HIGH WATER MARK (TYP.)

SLOPE INTERCEPT (TYP.)

PROPOSED FISHING DOCK ABUTMENT

LAKE
MONONA

DOCK LINE

N

5

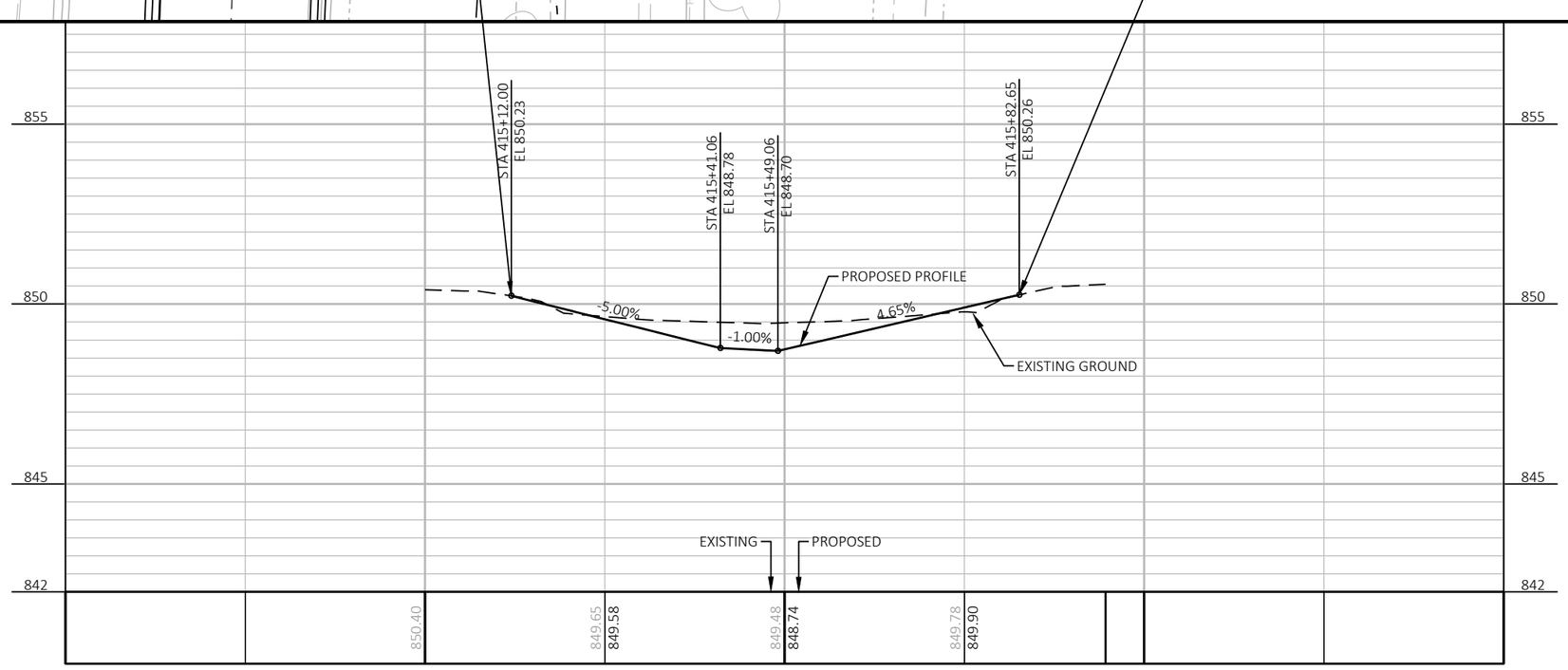
BEGIN CONSTRUCTION
STA 415+12 'FD'
MATCH EXISTING WALKING PATH

END CONSTRUCTION
STA 415+83 'FD'
MATCH PROPOSED WALKING PATH

5

25IN

8IN



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: FISHING DOCK	SHEET 834	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050107-PP_DOCK.DWG
LAYOUT NAME - PRO

PLOT DATE : 5/22/2025 1:39 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

3 CITY OF MADISON PARKS (ELECTRIC)

5 AT&T (FIBER OPTIC)

124+00

124+00 'S'

JOHN NOLEN DRIVE

SIGN

SIGN

SIGN

SIGN

CAPITAL CITY TRAIL
AND WALKING PATH

415+50 'FD'

SLOPE INTERCEPT (TYP.)

PROPOSED FISHING DOCK ABUTMENT

700+50 'FDO'

701+00 'FDO'

LAKE
MONONA

DOCK LINE

N

BEGIN CONSTRUCTION
STA 700+08 'FDO'
MATCH PROPOSED WALKING PATH

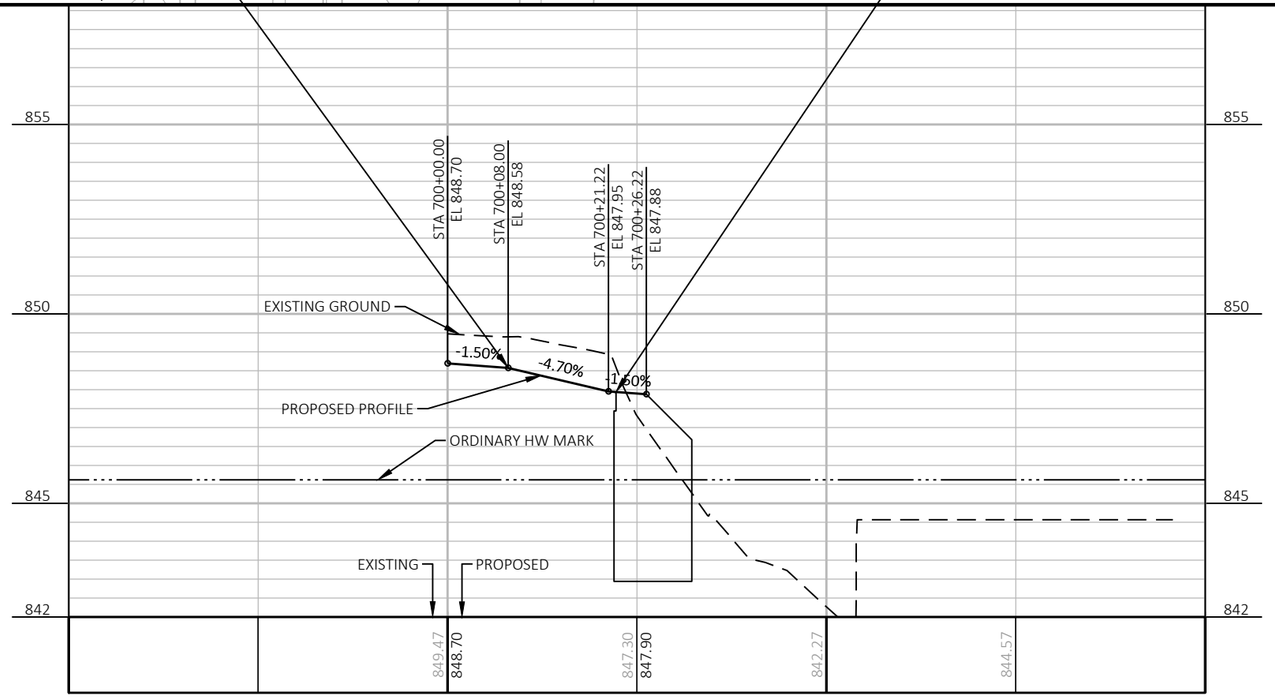
ORDINARY HIGH WATER MARK (TYP.)

END CONSTRUCTION
STA 700+22 'FDO'
MATCH PROPOSED FISHING DOCK ABUTMENT

NOTES:

FISHING DOCK TO BE INSTALLED BY OTHERS

ORDINARY HW MARK = 845.62'



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: FISHING DOCK OUT	SHEET 835	E

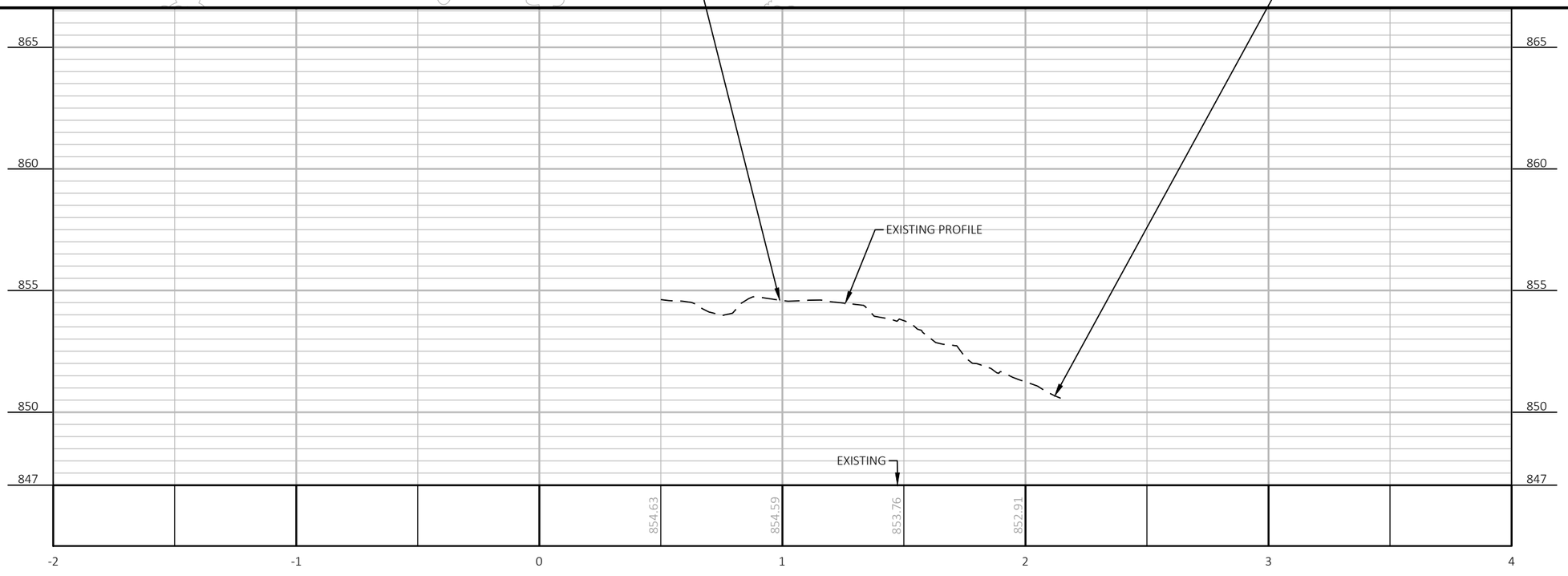
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050107-PP_DOCK.DWG
LAYOUT NAME - PRO (2)

PLOT DATE : 5/22/2025 1:39 PM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2 CITY OF MADISON (ELECTRIC)
5 AT&T (FIBER OPTIC)
6 SPECTRUM COMMUNICATIONS (FIBER OPTIC)
7 CITY OF MADISON (FIBER OPTIC)

NB JOHN NOLEN DRIVE
CAPITAL CITY TRAIL
R/W
WALKING PATH
SLOPE INTERCEPT (TYP.)
SHORELINE REVETMENT STONE - SEE DETAILS (TYP.)
ORDINARY HIGH WATER MARK (TYP.)
OLIN PARK
LAKE MONONA
BEGIN CONSTRUCTION STA 0+99 'SSR'
END CONSTRUCTION STA 2+14 'SSR'
EXISTING PROFILE
EXISTING



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	PLAN AND PROFILE: SOUTH SHORELINE REVETMENT	SHEET 836 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\050108-PP_SSR.DWG
LAYOUT NAME - 01
PLOT DATE : 5/22/2025 1:41 PM
PLOT BY : ZACH HARRIS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

Standard Detail Drawing List

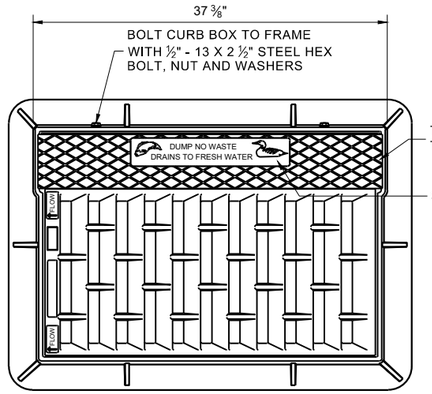
08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-21D	INLET COVERS TYPE V, V-B, & VV-B
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08B10-03	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D03-09A	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D03-09B	CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09B02-10	CONDUIT
09C03-04	TRANSFORMER/PEDESTAL BASES
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13B01-11A	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B01-11B	TYPICAL SECTIONS FOR RAILWAY APPROACH
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13B02-09B	STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C16-02A	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C16-02B	DETAIL FOR RIGHT TURN LANE/TEE INTERSECTION BYPASS LANE ON A CONRETE ROADWAY
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C19-03	HMA LONGITUDINAL JOINTS
14B07-16A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

6

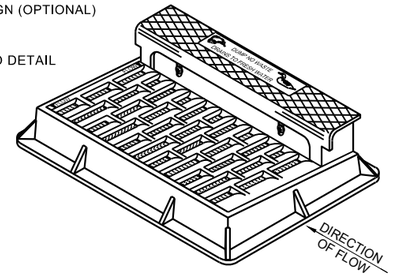
Standard Detail Drawing List

14B07-16I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16J	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16K	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16L	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16M	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-16N	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-09A	MEDIAN ISLAND MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15D14-08	TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY
15D20-09A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-07	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D29-06	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D30-10A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D43-02	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING
15D47-03A	TRAFFIC CONTROL, INGRESS/EGRESS WITH BARRIER
15D47-03B	TRAFFIC CONTROL, INGRESS/EGRESS WITHOUT BARRIER
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

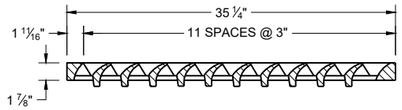
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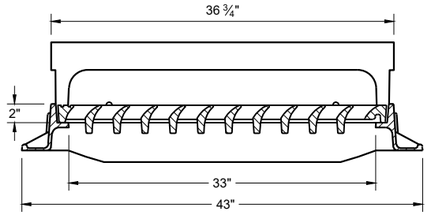


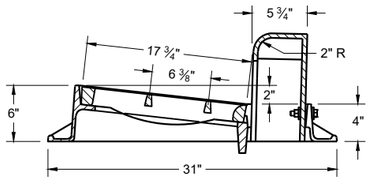
NOTE: EITHER CASTING IS ACCEPTABLE

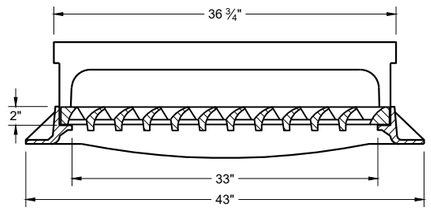


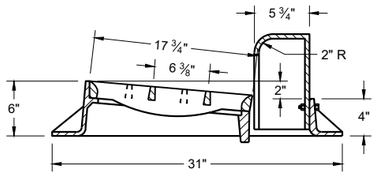
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







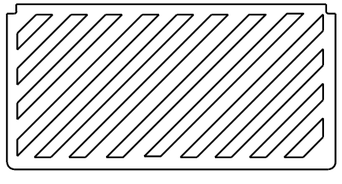




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

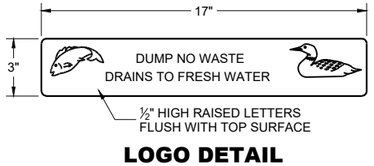
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



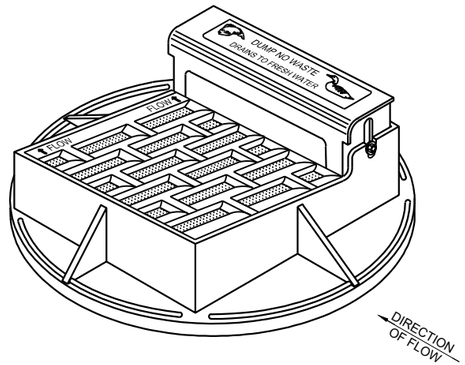
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

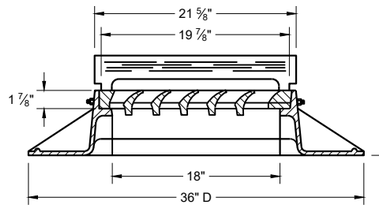


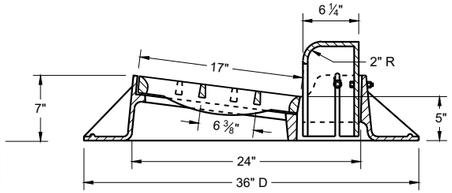
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





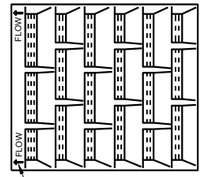
TYPE "A"

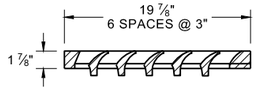
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

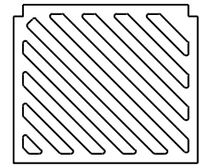
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





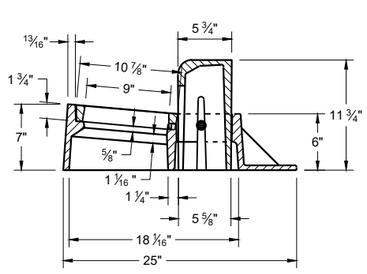
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



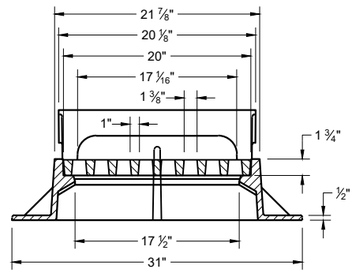
SPECIAL GRATE FOR TYPE "A" COVER

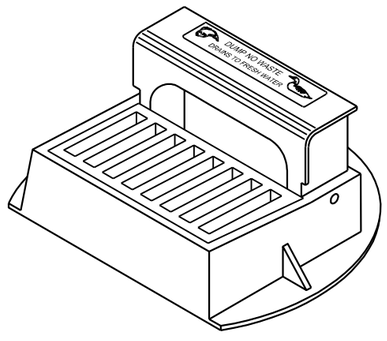
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





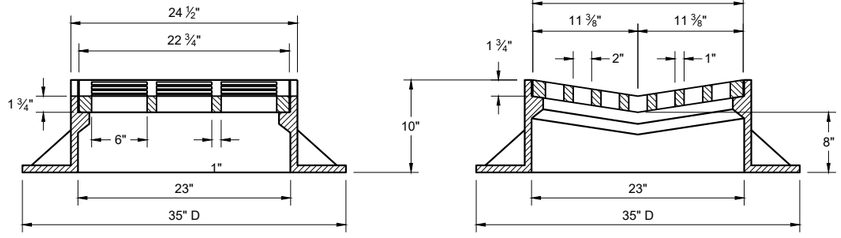
INLET COVERS
TYPES A, H, A-S, H-S AND Z

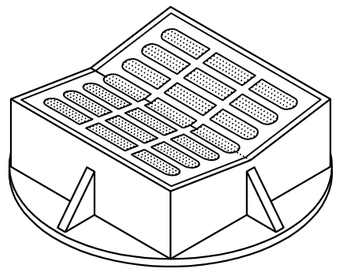
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

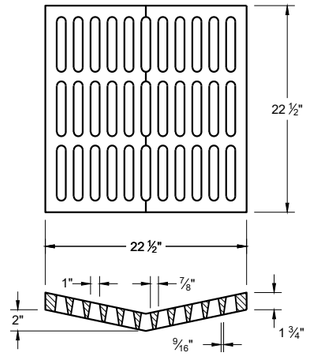
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA





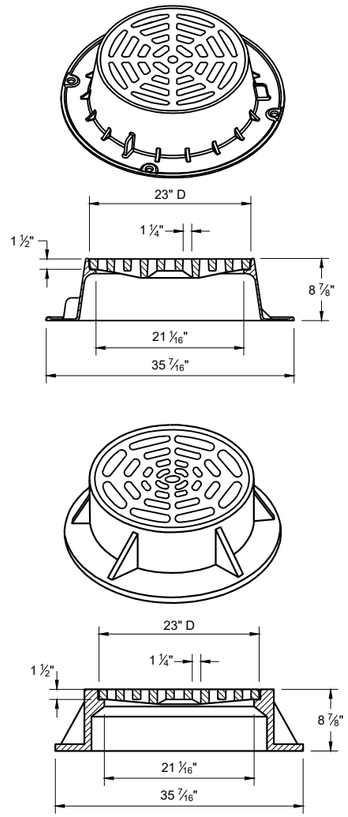
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

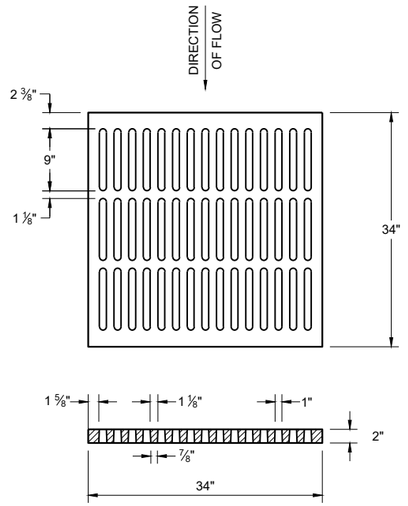
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

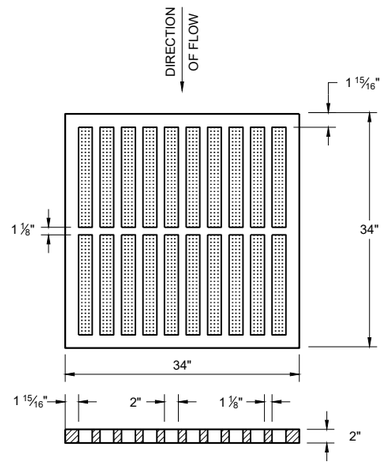
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

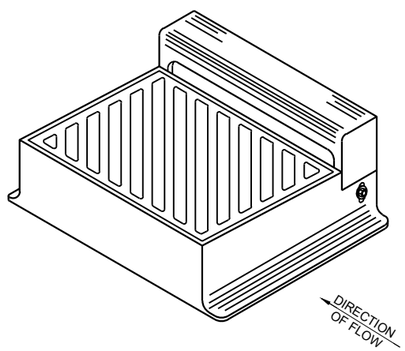
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



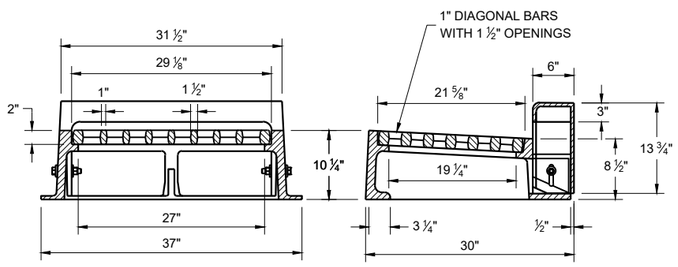
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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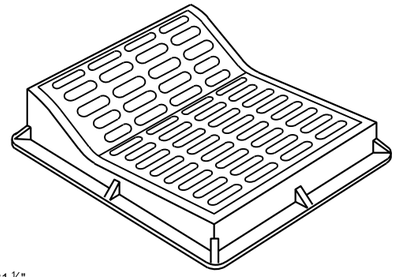
SDD 08A05-21b

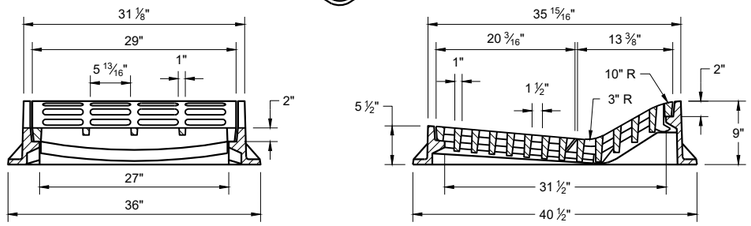
SDD 08A05-21b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

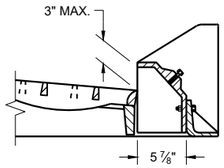
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

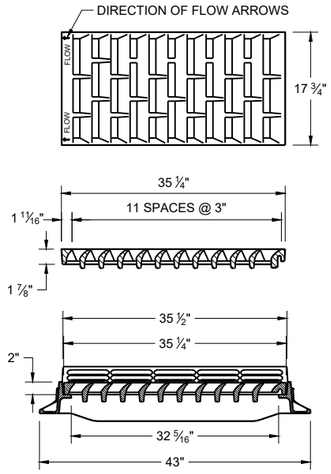


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

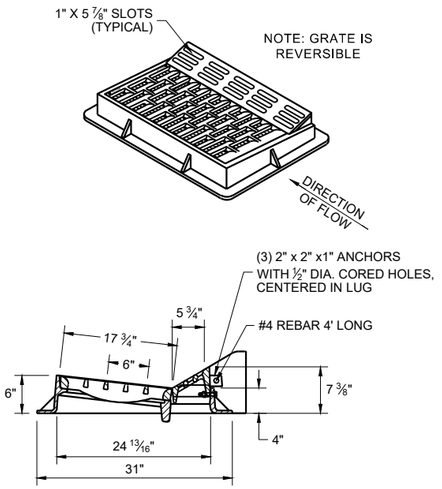
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



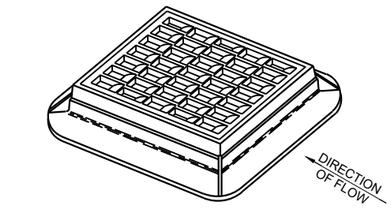
TYPE "HM"

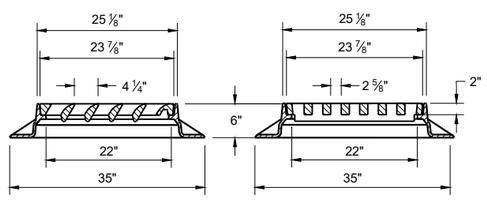
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



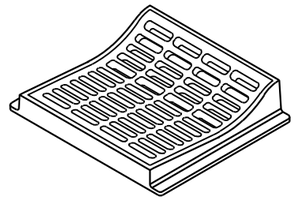
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

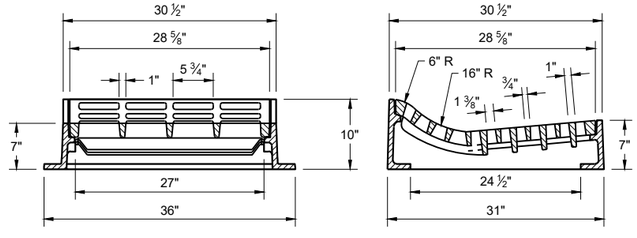
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

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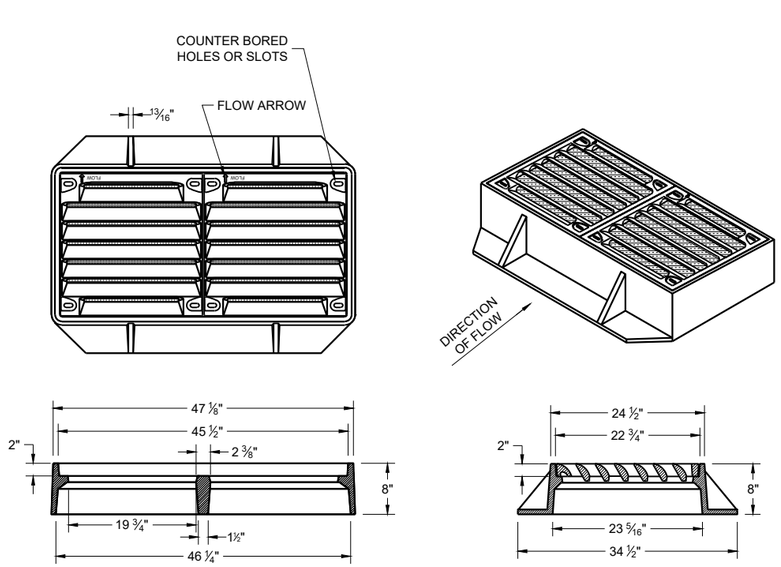
FHWA

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SDD 08A05-21c

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

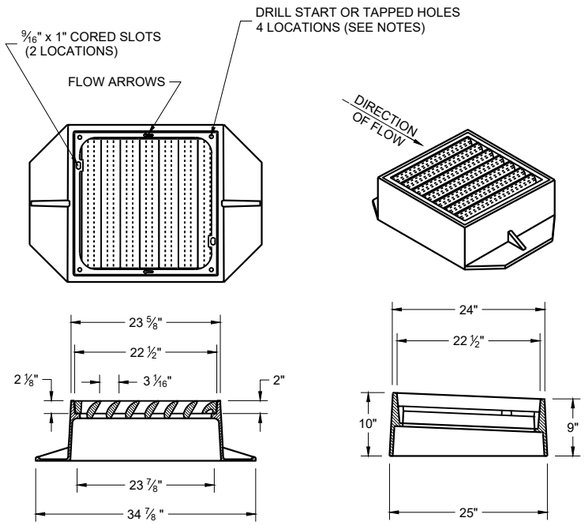
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



TYPE "VV-B"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER
ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

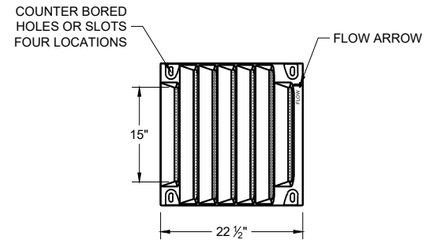
TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 35B
⅜" DIA. X 1/16" DRILL START IN 8 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



TYPE "V"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A
⅜" DIA. X 1/16" DRILL START IN 4 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



BOLT DOWN GRATE FOR TYPE "V" AND "VV-B" COVER

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER NOTED AS TYPE "V-B" OR "VV-B" (FOR DOUBLE GRATE) ON DRAINAGE TABLE

TAP ½" -13 HOLES IN FOUR LOCATIONS PER GRATE IN FRAME TO BOLT GRATE(S).
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A

GRATE - CAST DUCTILE IRON ASTM A536, 55+KSI YIELD
BOLTS - ½" -13 STAINLESS STEEL BOLTS WITH WASHERS
TORQUE BOLTS TO MANUFACTURER SPECIFICATION DO NOT OVERTIGHTEN.

INLET COVERS
TYPES V, V-B, AND VV-B

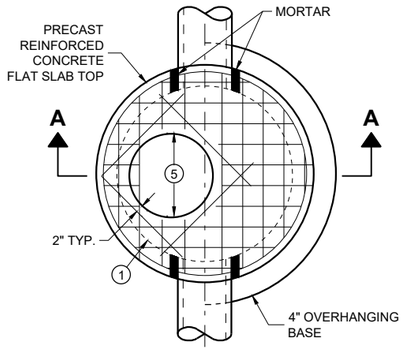
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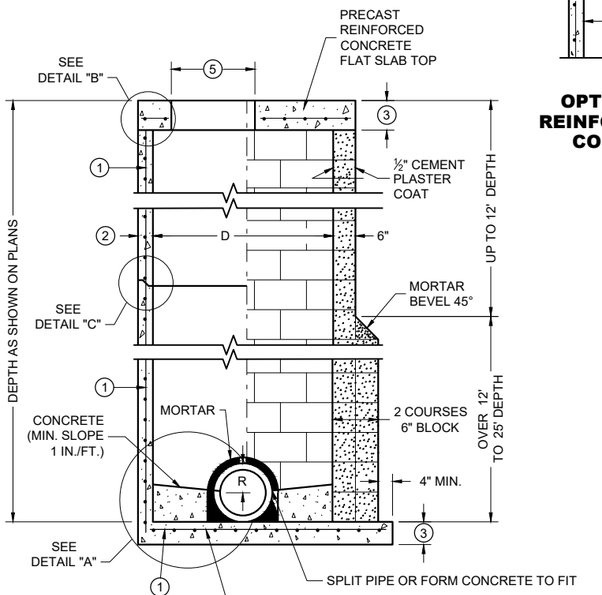
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PLAN VIEW

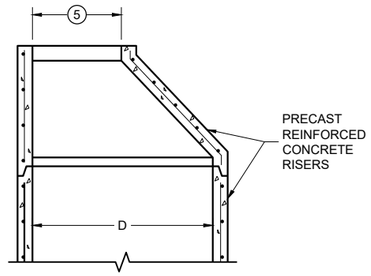
CIRCULAR OPENING



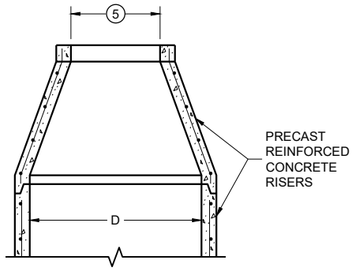
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

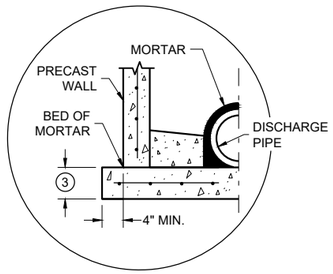
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



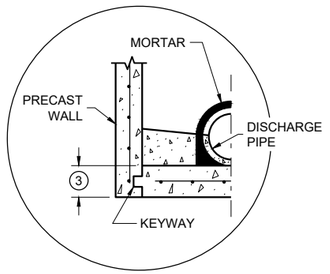
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

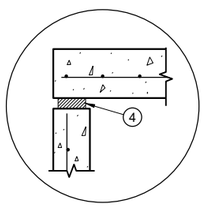


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

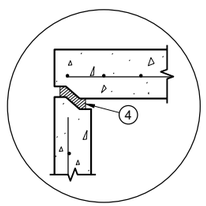


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

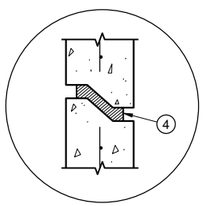
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

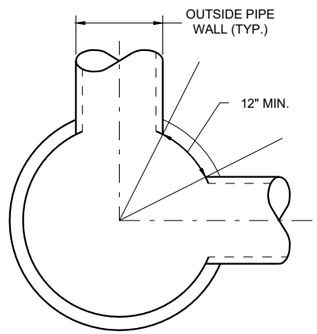
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

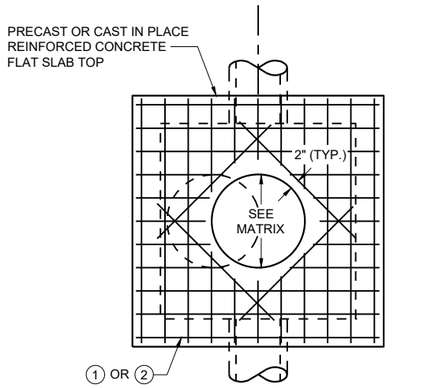
FHWA

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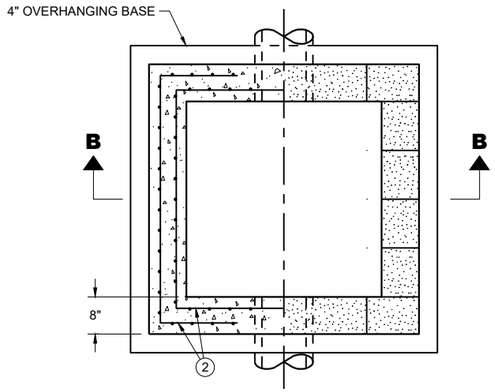
SDD 08B09-04

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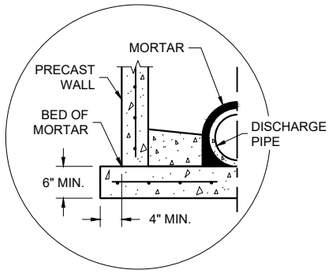
SDD 08B09-04



PLAN VIEW
CIRCULAR OPENING

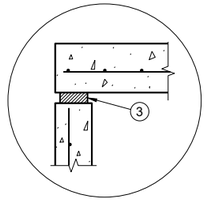


SECTION A - A
PLAN VIEW

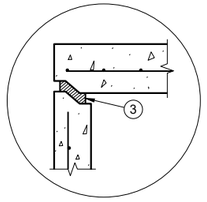


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

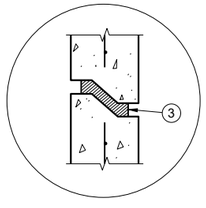


TOP WITH PLAIN END JOINT



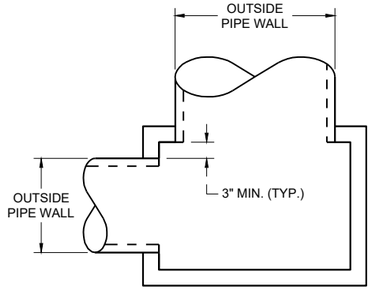
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"

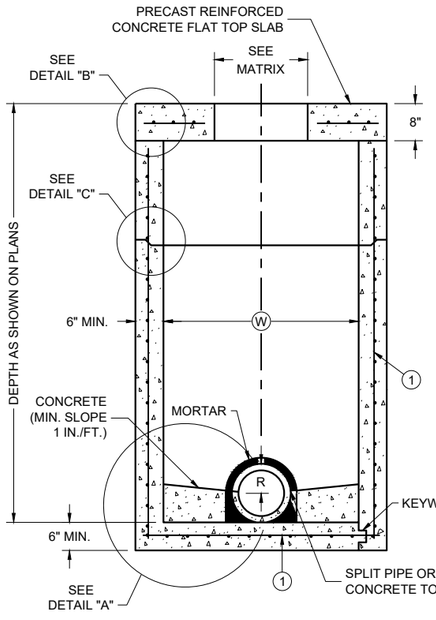


RISER WITH TONGUE AND GROOVE JOINT

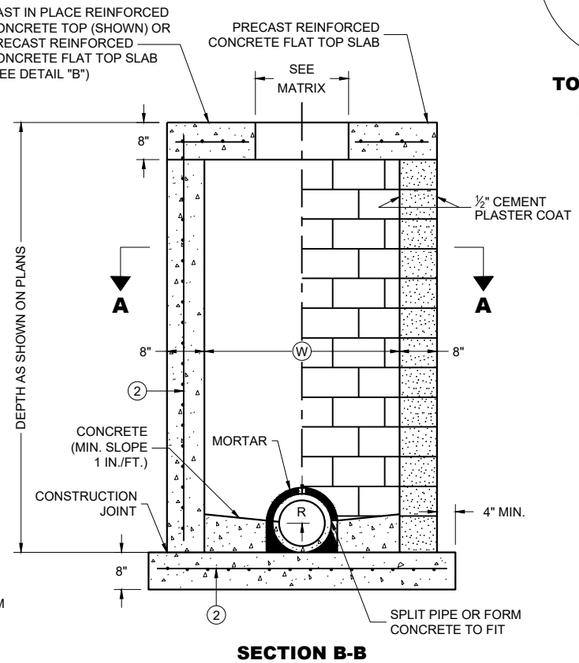
DETAIL "C"



DETAIL "D"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

SECTION B-B

CAST IN PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SQUARE MANHOLES WITH FLAT TOP

MANHOLES 3 X 3-FT, 4 X 4 -FT, 5 X 5-FT AND 6 X 6-FT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C913.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "D". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGNFOR CAST-IN-PLACE STRUCTURES.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.)

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT.)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE WxW-FT	MAXIMUM INSIDE PIPE DIAMETER (IN)
3 X 3 FT	24
4 X 4 FT	30
5 X 5 FT	42
6 X 6 FT	54

MANHOLES
3 X 3 -FT, 4 X 4-FT
5 X 5-FT AND 6 X 6-FT

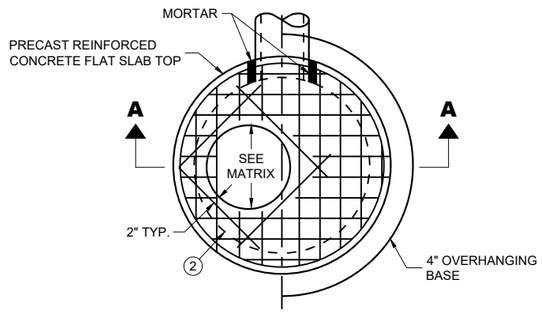
STATE OF WISCONSIN
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APPROVED
December 2023
DATE

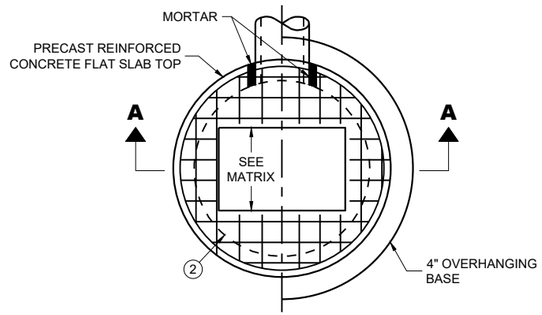
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

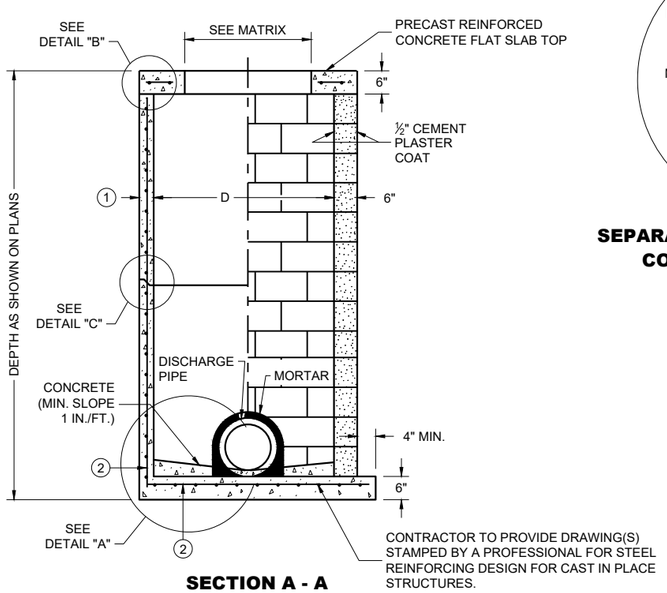
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SDD 08B10-03



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

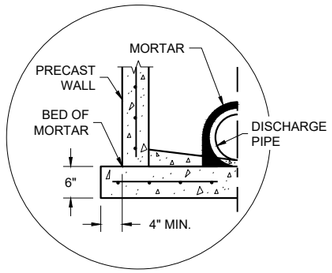
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

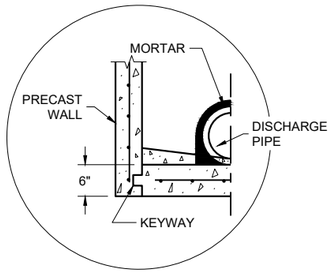
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

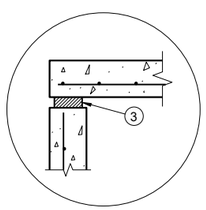


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

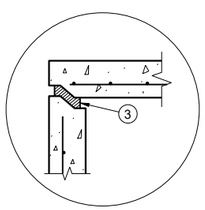


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

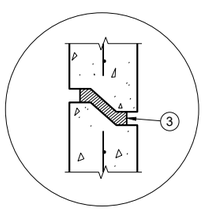
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

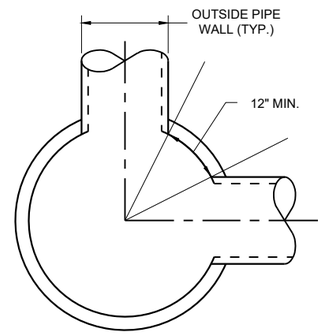
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

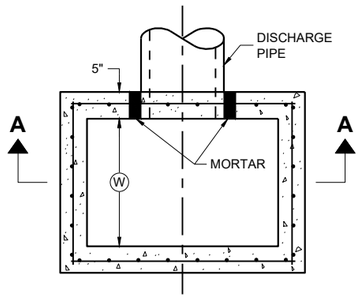
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

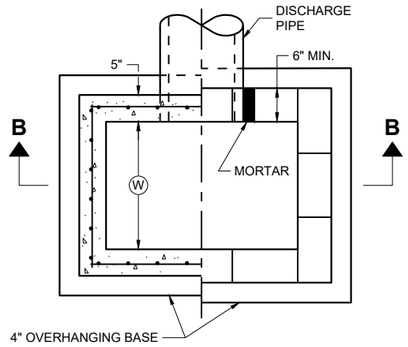
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FHWA

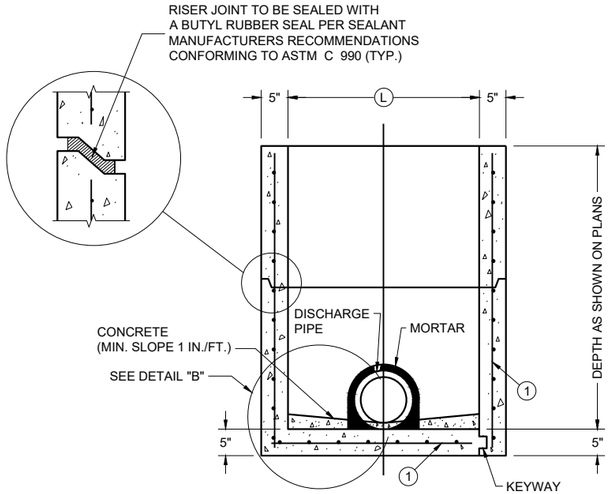
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PLAN VIEW



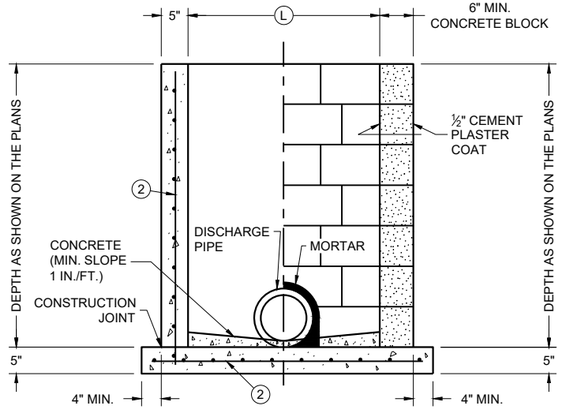
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

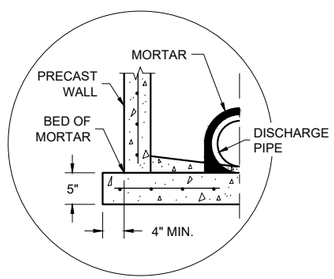
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

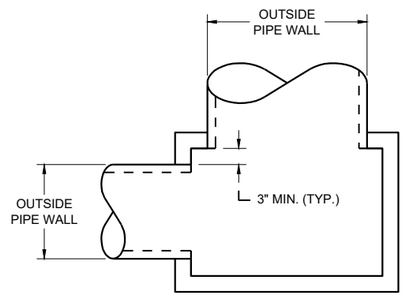
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

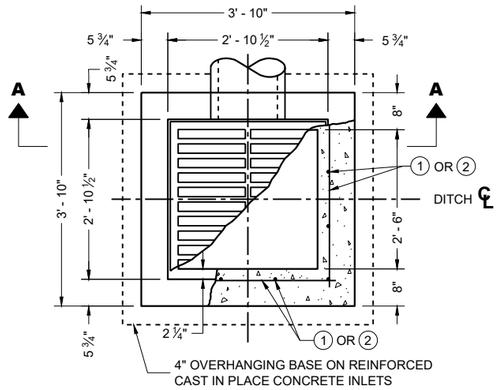
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

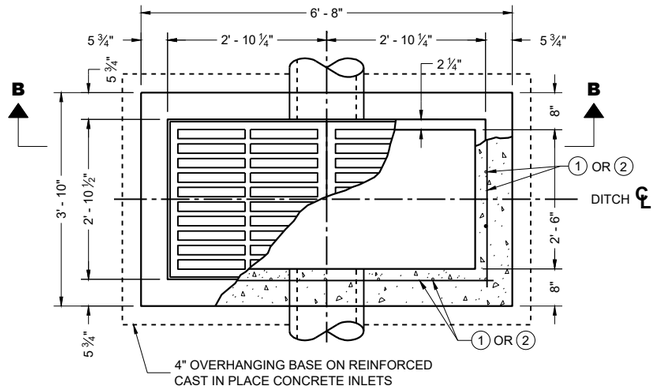
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

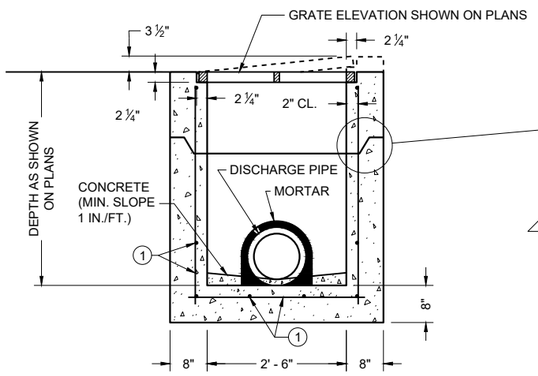
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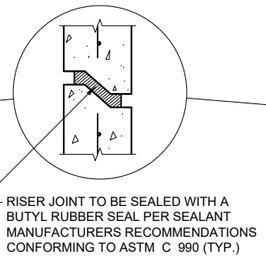
PLAN VIEW

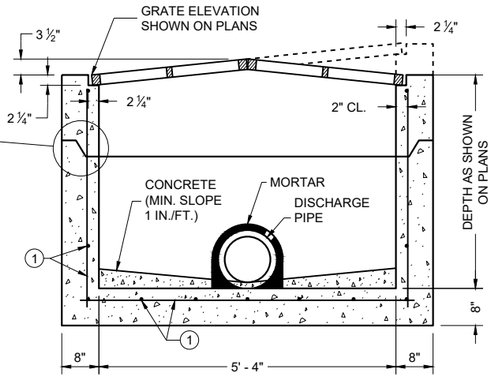


PLAN VIEW

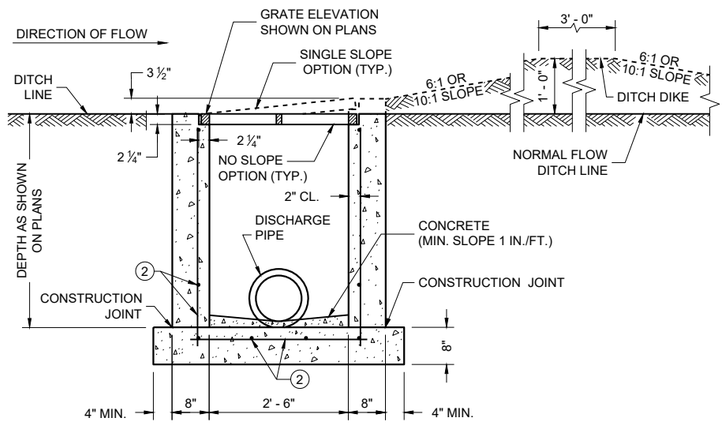


PRECAST REINFORCED CONCRETE SECTION A - A



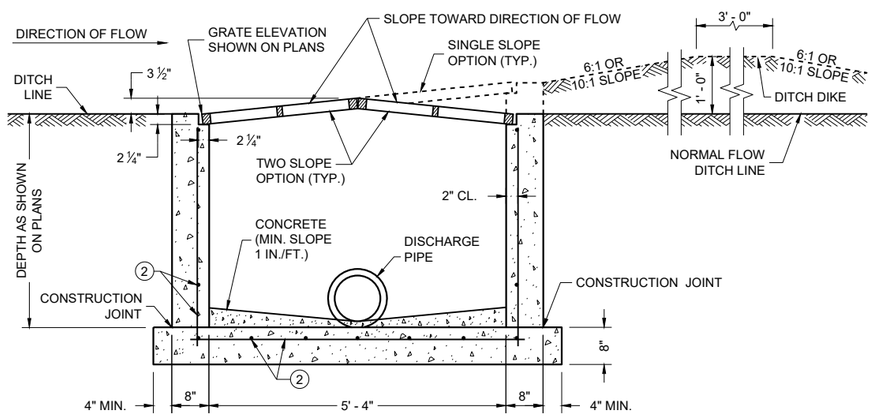


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

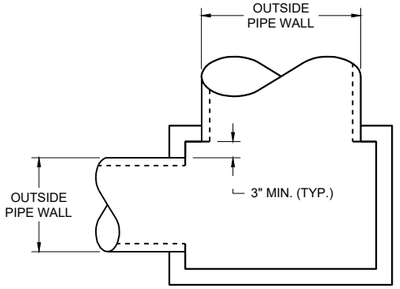
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

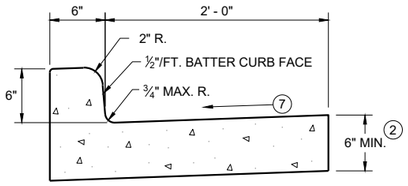
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

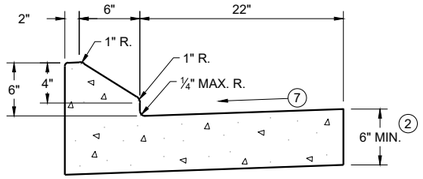
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FHWA

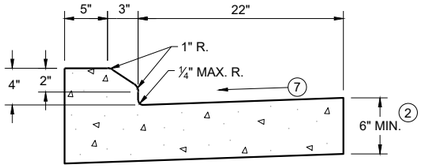
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SDD 08C08-03



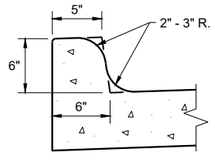
TYPES A (1) & D



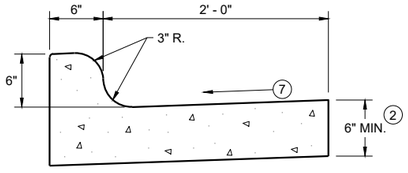
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

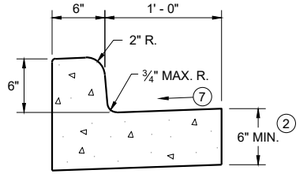


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



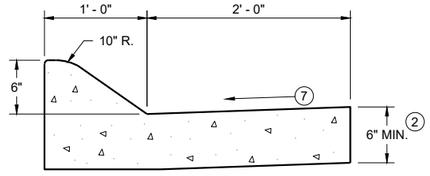
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

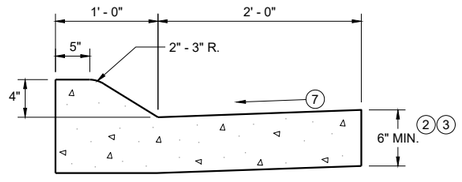


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

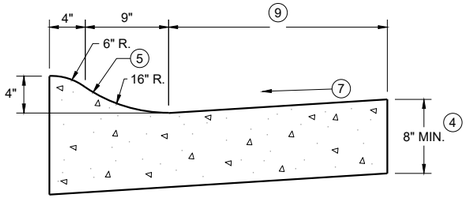


6" SLOPED CURB TYPES A (1) & D



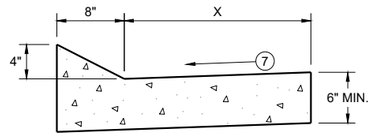
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

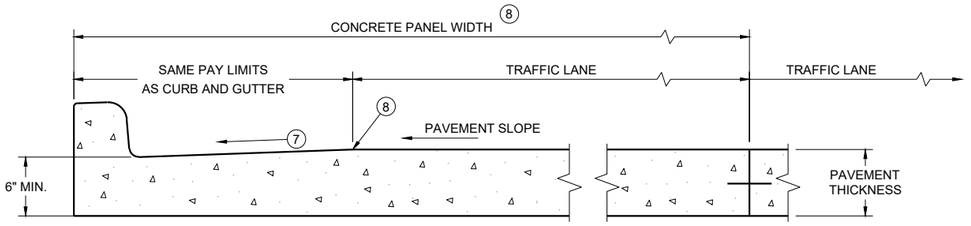


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

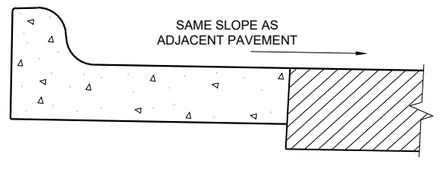
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

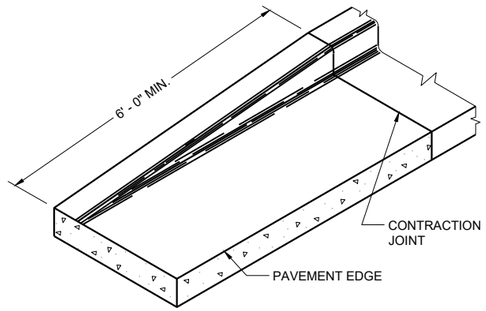
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

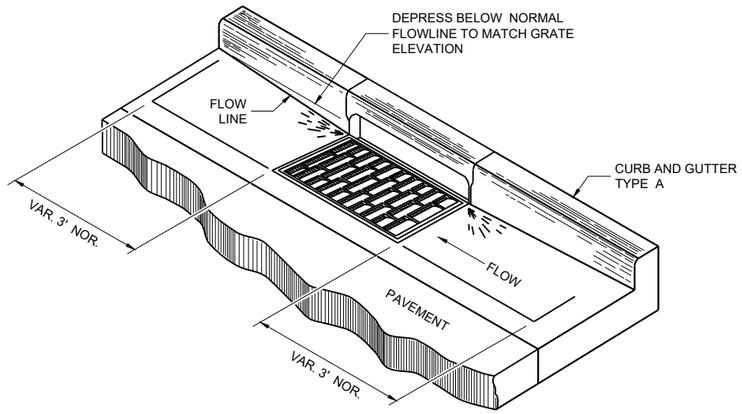
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

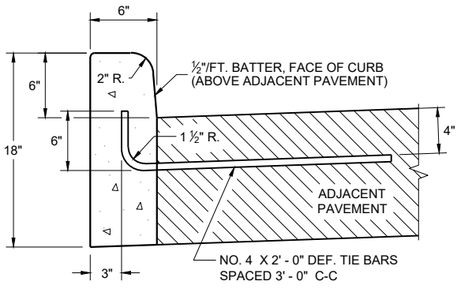
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

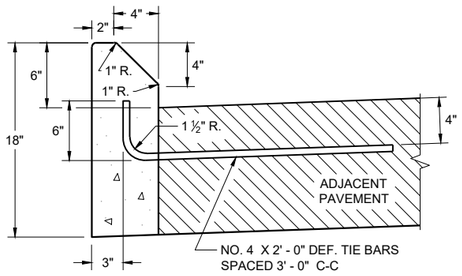
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

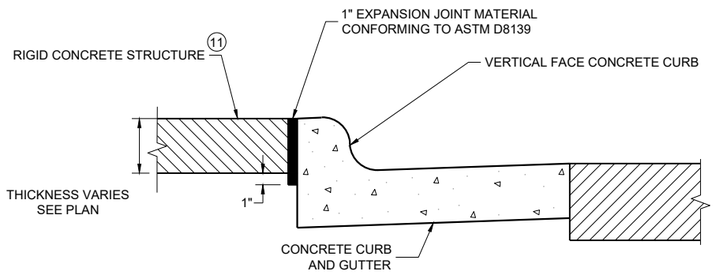


TYPES A (1) & D

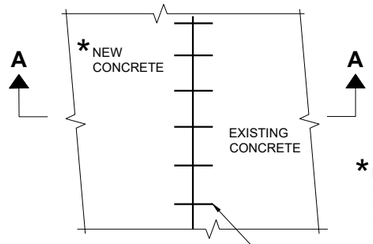


TYPES G (1) & J

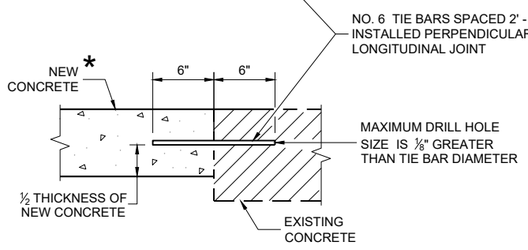
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

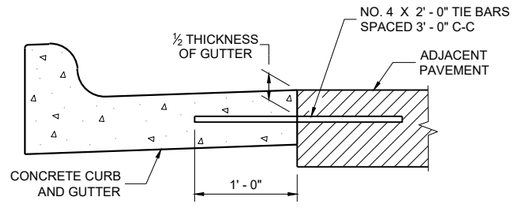


PLAN VIEW

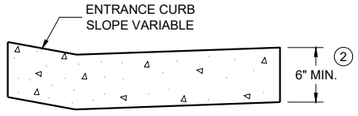


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

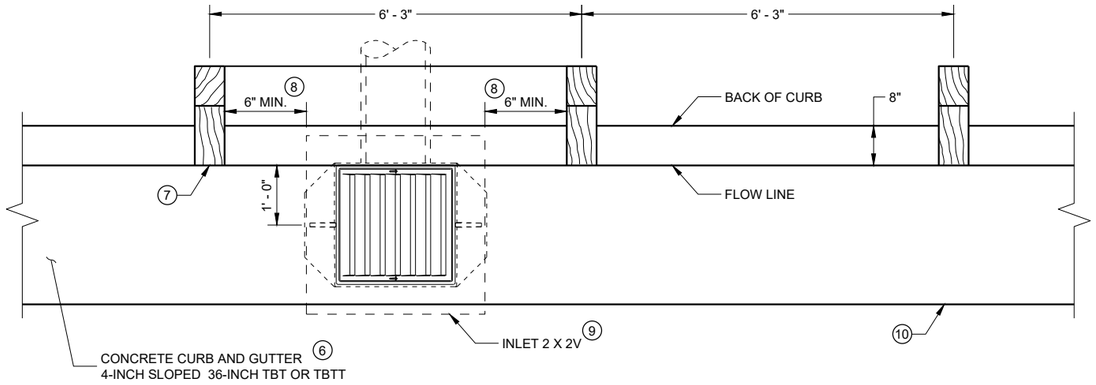
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

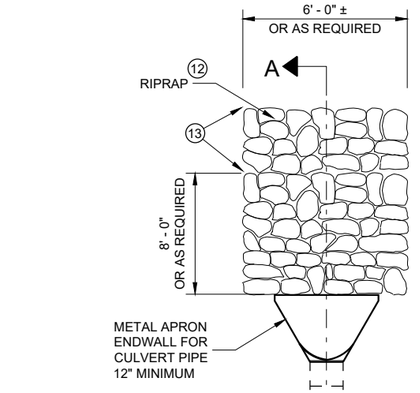
APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA



INLET PLAN VIEW

(NOTE: RAIL NOT SHOWN FOR CLARITY)



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

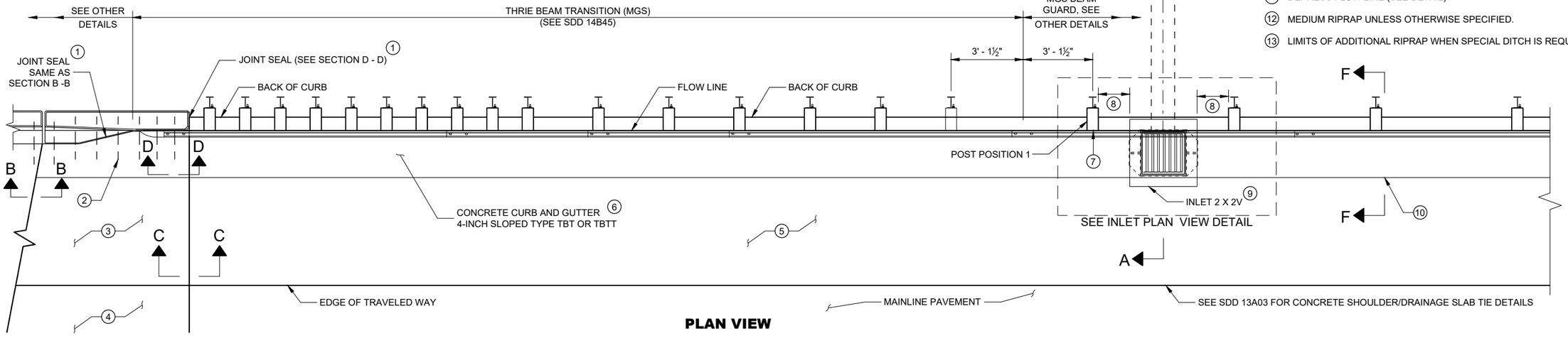
(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

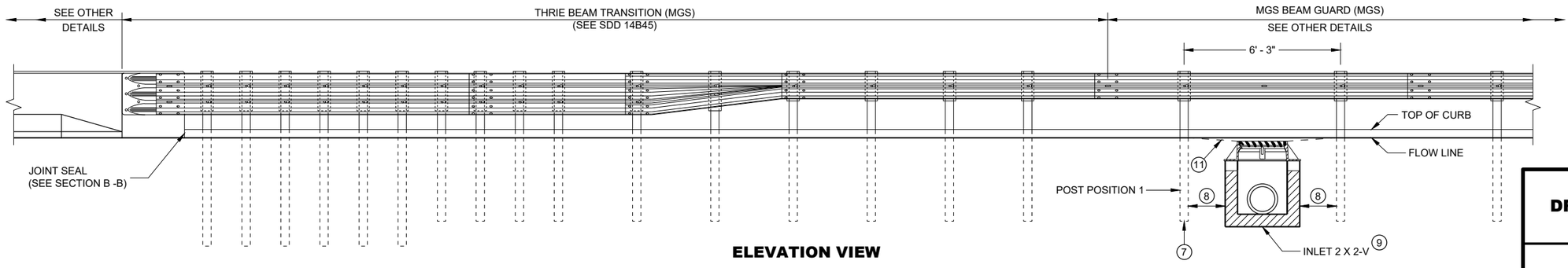
(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.



PLAN VIEW



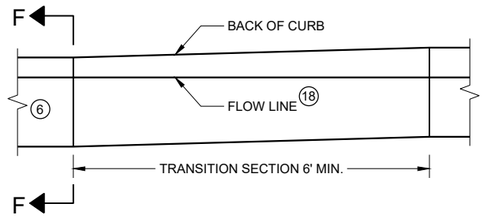
ELEVATION VIEW

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

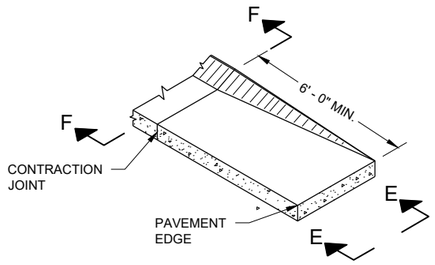
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

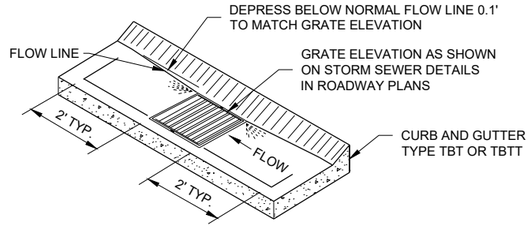
SDD 08D03 - 09a



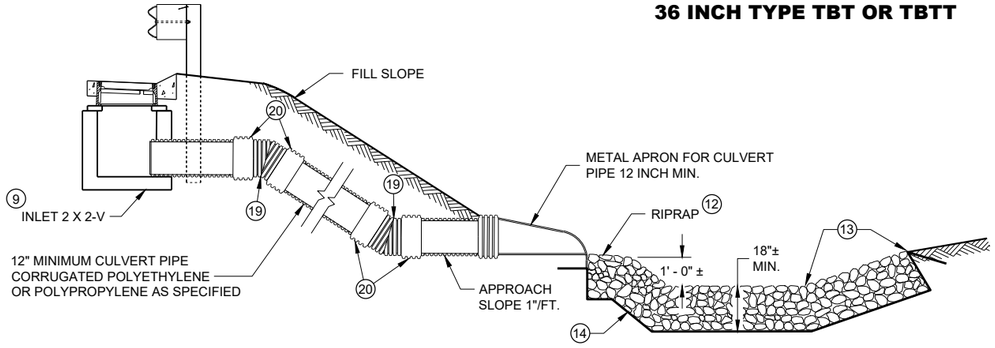
CURB AND GUTTER TRANSITION SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



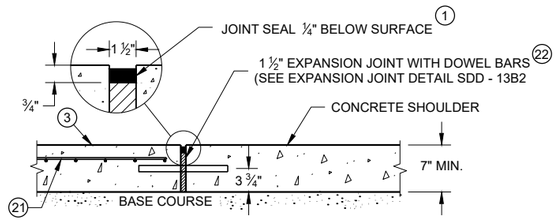
CURB AND GUTTER END SECTION CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT



CURB AND GUTTER FLOW LINE DEPRESSION AT INLETS CONCRETE CURB AND GUTTER 4-INCH SLOPED 36 INCH TYPE TBT OR TBTT

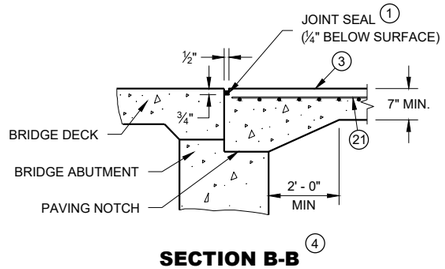


SECTION A - A

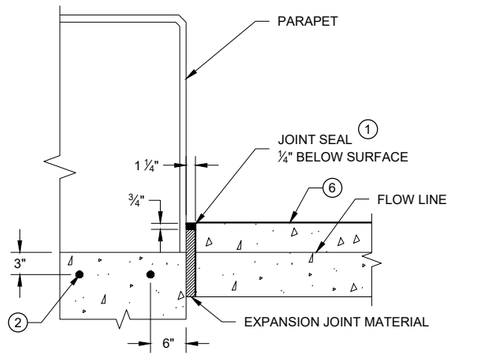


SECTION C - C

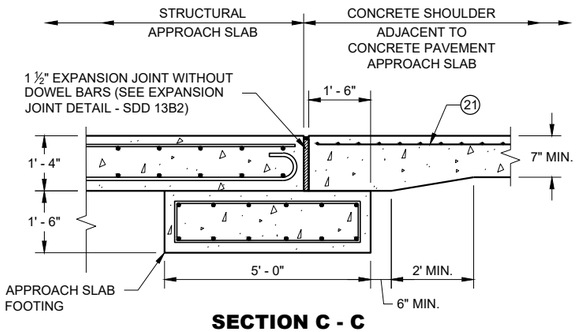
JOINT DETAIL FOR BRIDGE APPROACH WITH CONCRETE SHOULDERS



SECTION B-B 4

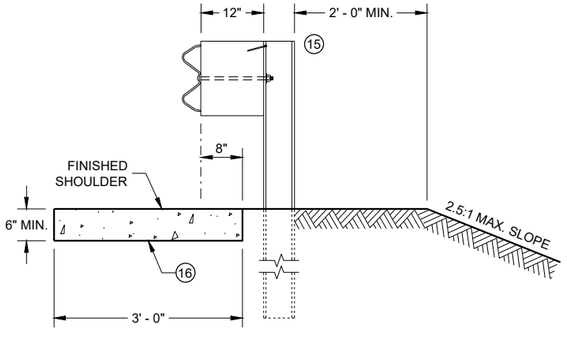


SECTION D - D

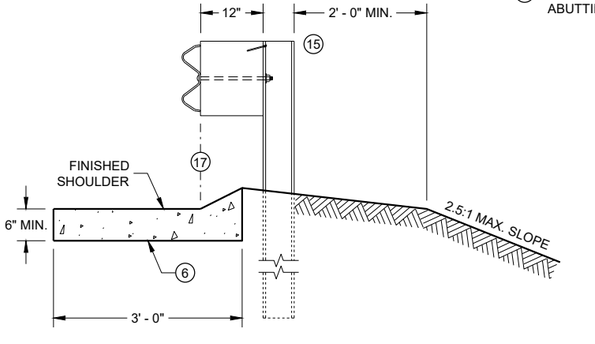


SECTION C - C

JOINT DETAIL FOR BRIDGE WITH STRUCTURAL APPROACH SLAB AND CONCRETE APPROACH SLAB



SECTION E - E



SECTION F - F

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ALL STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

(1) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

(2) NO. 4 X 2' - 0" TIE BARS SPACED AT 12" C-C TO BE PLACED BY BRIDGE CONTRACTOR OR DRILLED TIE BARS PLACED AS DIRECTED BY THE ENGINEER.

(3) PAVED CONCRETE SHOULDER (SDD 13A03) OR CONCRETE DRAINAGE SLAB.

(4) CONCRETE PAVEMENT APPROACH SLAB (SHOWN) OR STRUCTURE APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB. SEE SDD 13B02 AND STRUCTURE PLANS.

(5) PAVED CONCRETE SHOULDER (SDD 13A03) OR ASPHALT SHOULDER.

(6) CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE TBT OR TBTT. USE TYPE TBTT CURB WITH NO. 4 X 2' -0" TIE BARS SPACED AT 3' - 0" C-C ONLY WHEN ADJACENT TO CONCRETE PAVEMENTS.

(7) PLACE DRAINAGE STRUCTURE BEFORE MSG THRIE BEAM TRANSITION POST 1 (SEE SDD 14B45)

(8) CENTER DRAINAGE STRUCTURE BETWEEN POSTS. 6-INCH MINIMUM SEPARATION FROM OUTSIDE WALL OF DRAINAGE STRUCTURE TO POSTS.

(9) SEE SDD 08A05 AND 08C07 FOR DETAILS. SEE ROADWAY PLANS FOR LOCATION.

(10) START CURB AND GUTTER TRANSITION OR END SECTION.

(11) DEPRESS FLOW LINE (SEE DETAIL)

(12) MEDIUM RIPRAP UNLESS OTHERWISE SPECIFIED.

(13) LIMITS OF ADDITIONAL RIPRAP WHEN SPECIAL DITCH IS REQUIRED.

(14) GEOTEXTILE TYPE HR.

(15) MSG THRIE BEAM TRANSITION POST 1. SEE SDD 14B45 FOR ADDITIONAL CONSTRUCTION DETAILS AND ACCEPTABLE MATERIALS.

(16) MAINTAIN WIDTH, THICKNESS AND CROSS SLOPE OF ADJACENT TYPE TBT OR TBTT CURB. SEE NOTE 6 FOR TIE BAR SPACING.

(17) ALIGN FACE OF POST BLOCK WITH FLOW LINE.

(18) MAINTAIN FLOW LINE AT EDGE OF PAVEMENT/FACE OF BEAM GUARD AS APPLICABLE.

(19) MANUFACTURER SUPPLIED BEND.

(20) MANUFACTURER SUPPLIED EXTERNAL MECHANICAL COUPLING OR A MANUFACTURER RECOMMENDED COUPLING WITH A MASTIC IMPREGNATED GEOTEXTILE WRAP AND MECHANICAL FASTENING BANDS.

(21) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS LONGITUDINAL AND TRANSVERSE SPACING 12" C - C.

(22) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING HMA PAVEMENTS.

CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

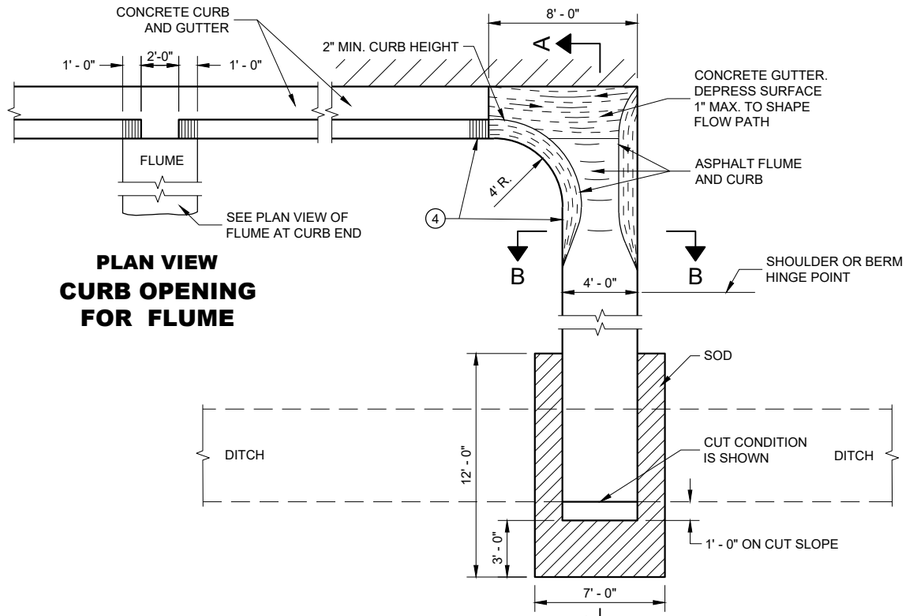
FHWA

6

SDD 08D03 - 09b

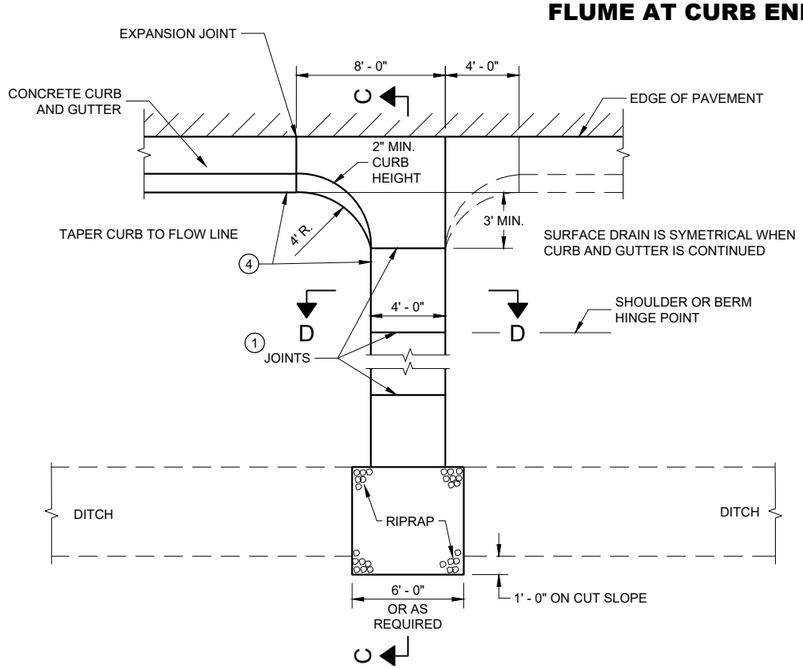
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



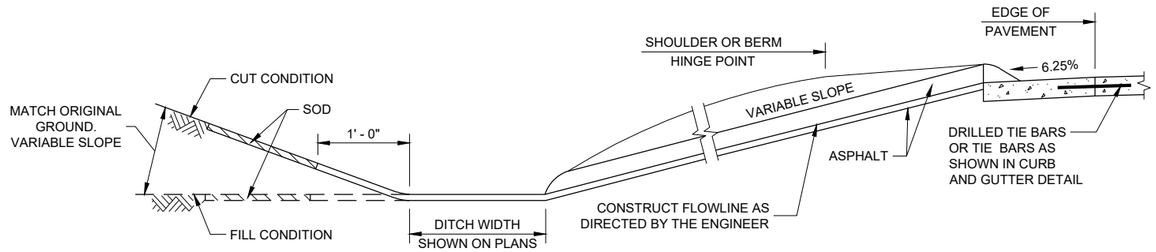
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

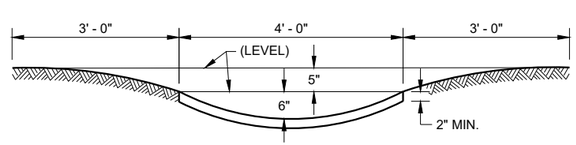
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

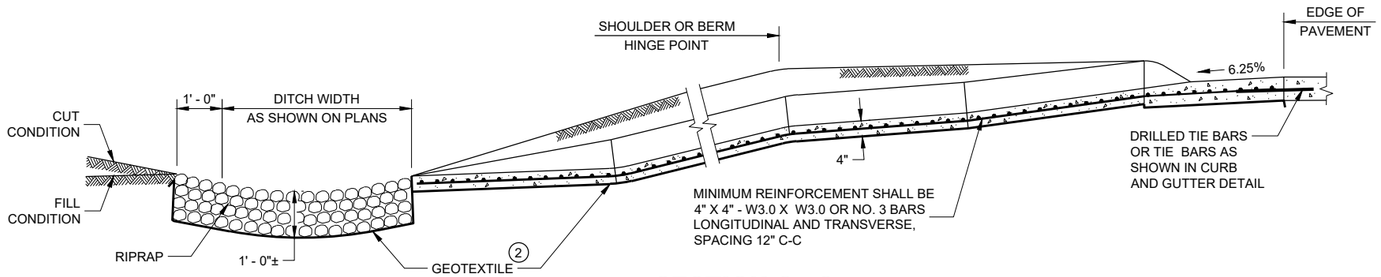
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



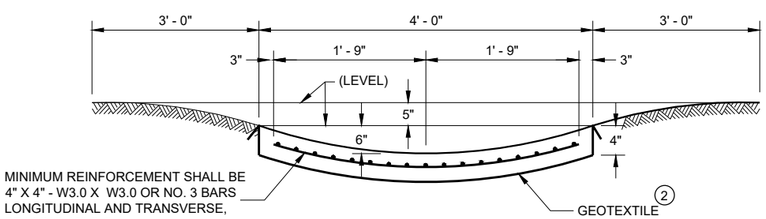
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

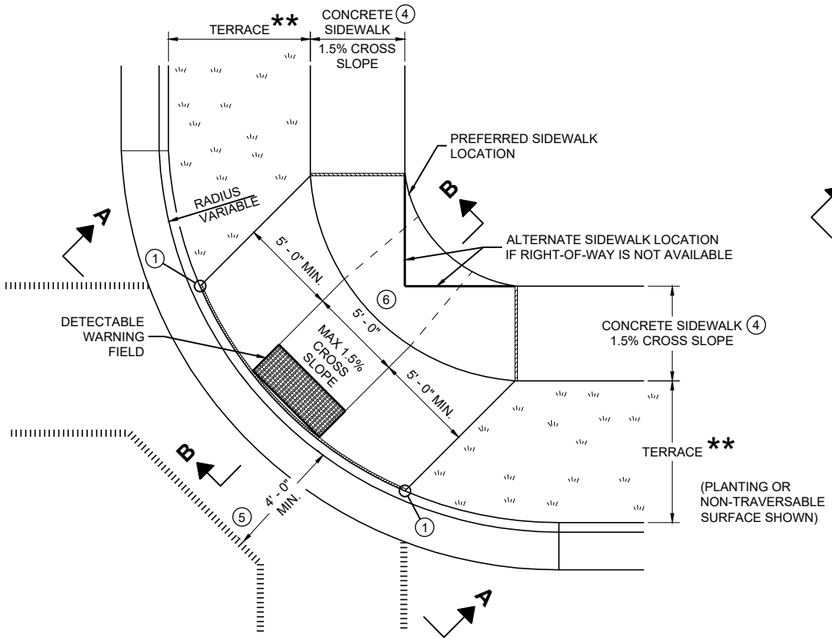
APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

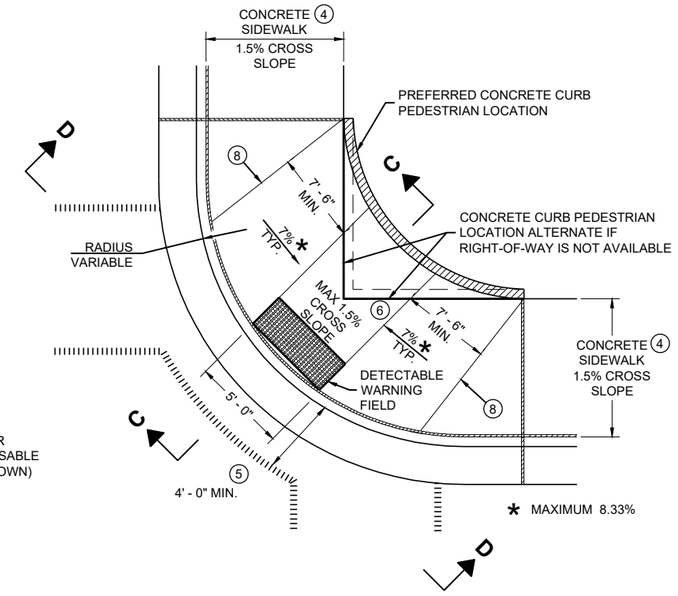
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

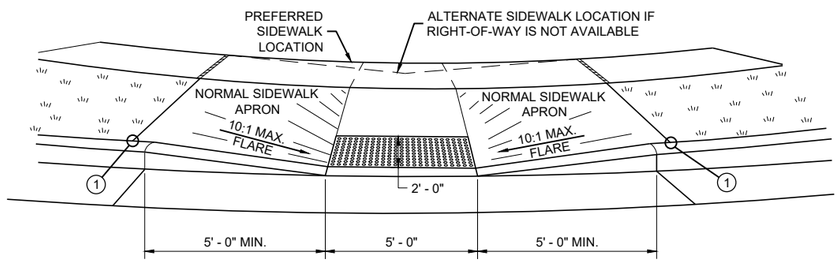
(CENTER OF CORNER RADIUS)



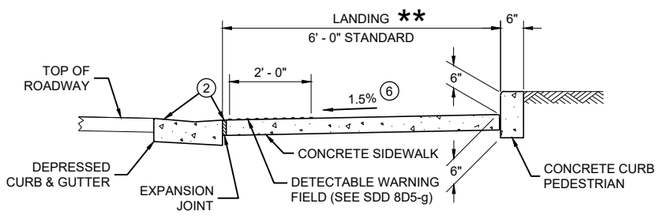
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

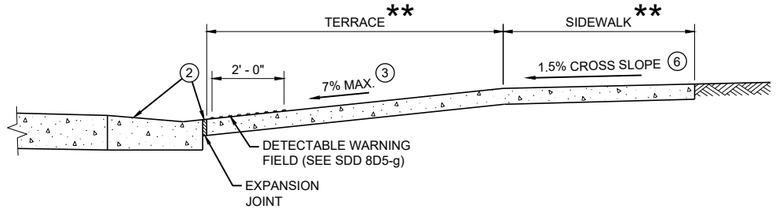


VIEW A - A FOR TYPE 1

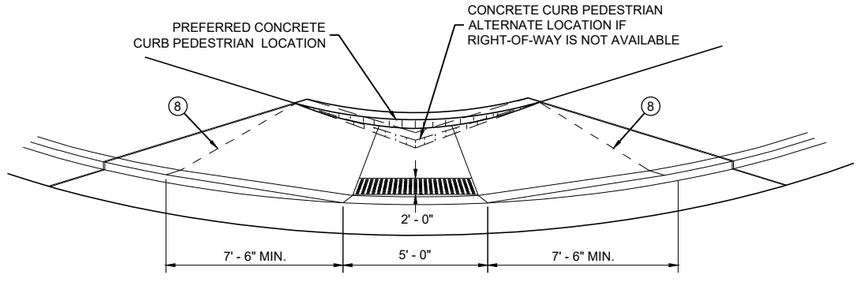


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

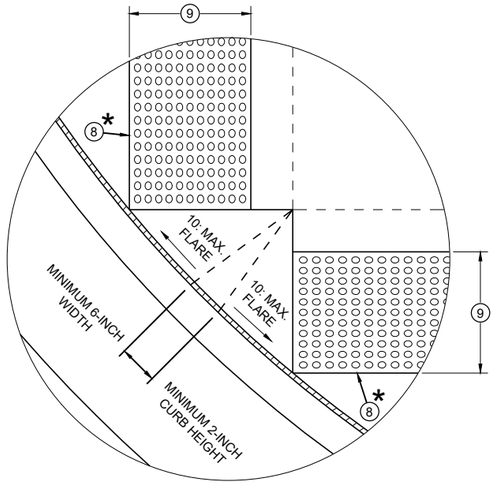
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

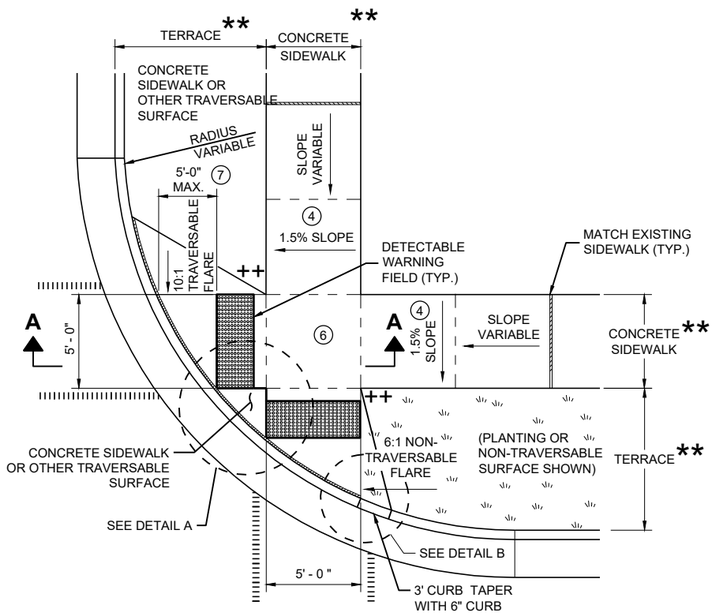
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-21a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

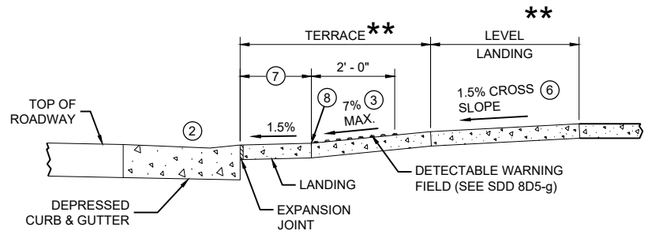
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

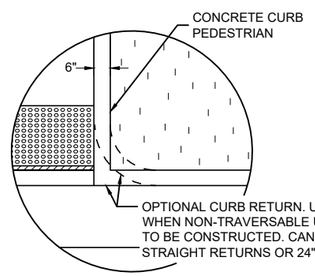


SECTION A - A FOR TYPE 2

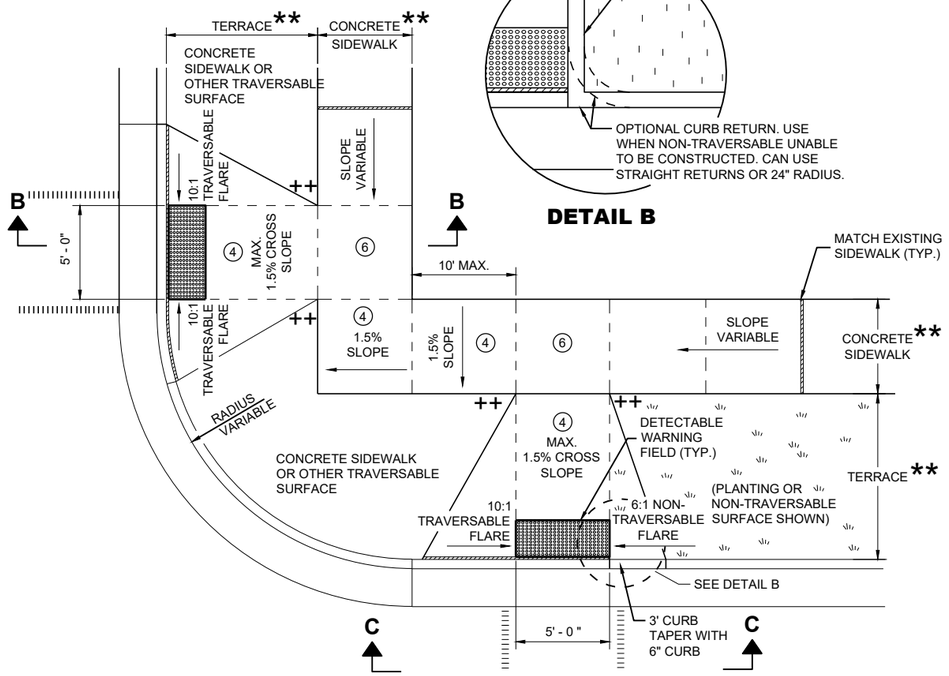
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

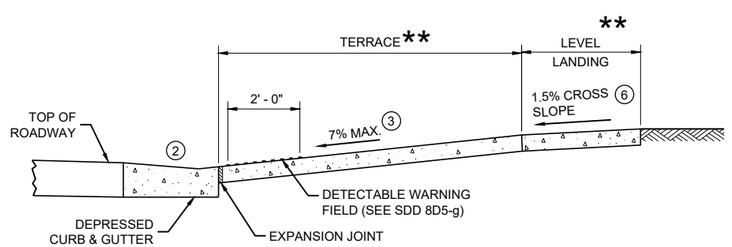
++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



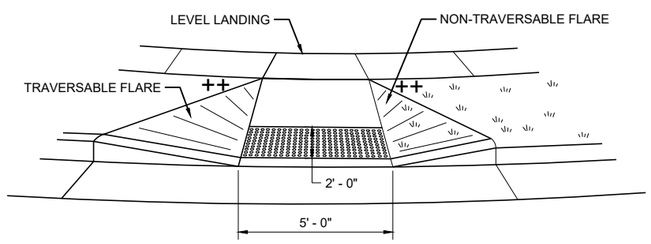
DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



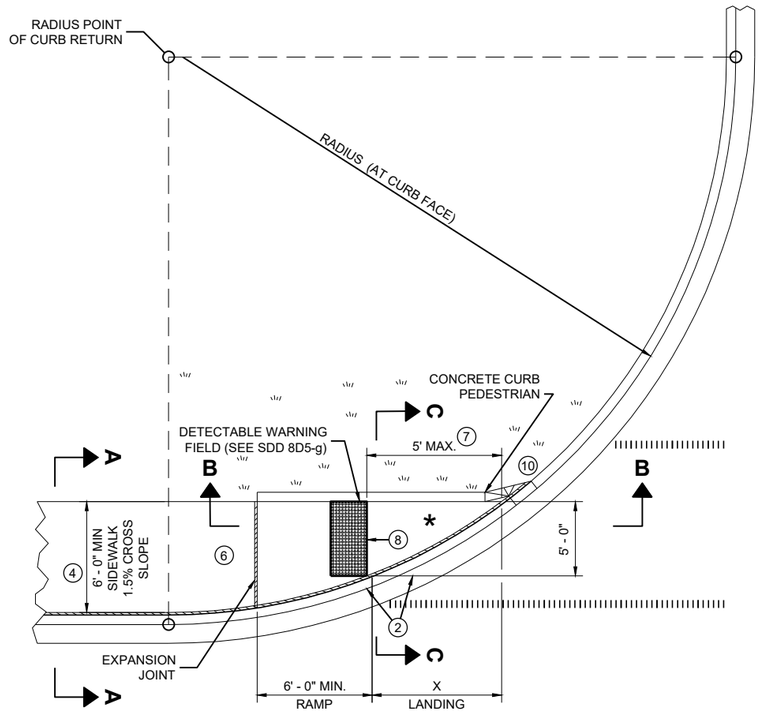
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

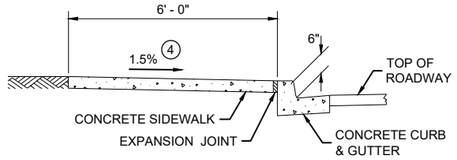


PLAN VIEW

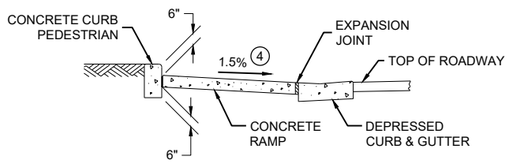
CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

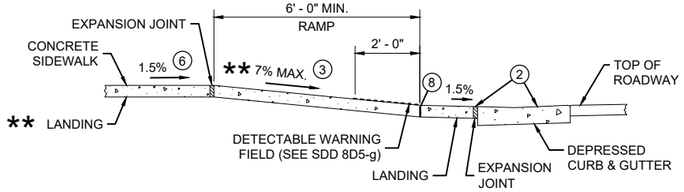
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

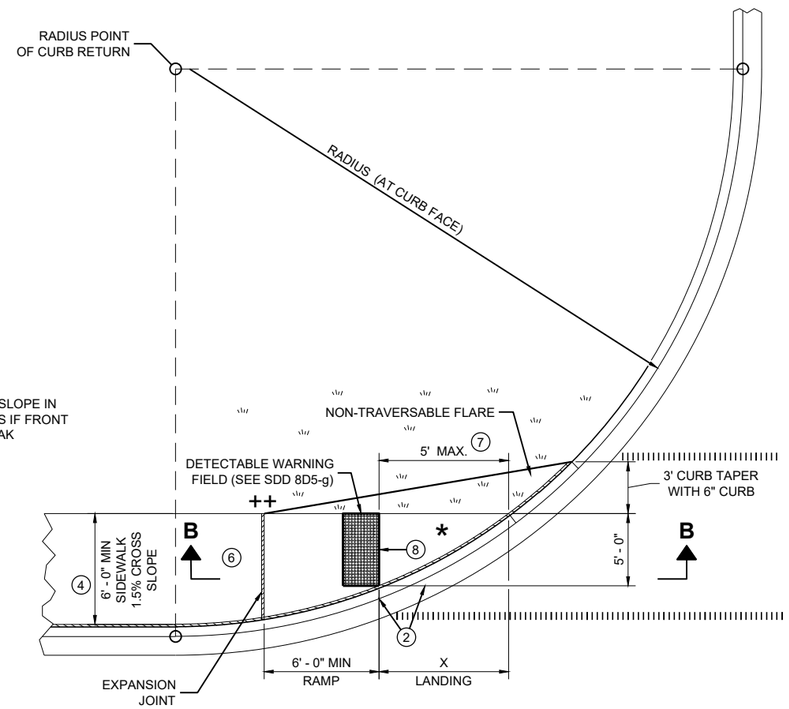


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



PLAN VIEW

CURB RAMP TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

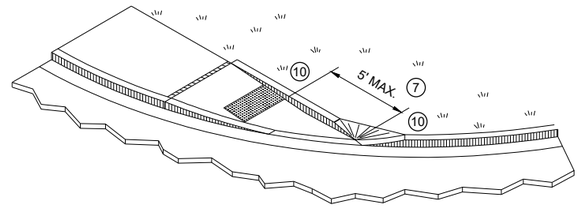
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

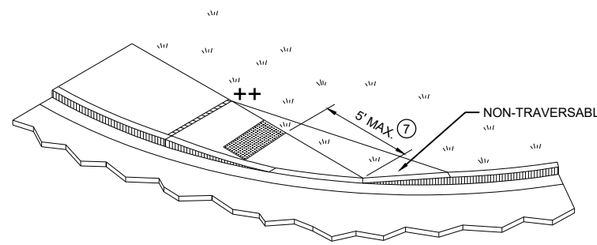
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



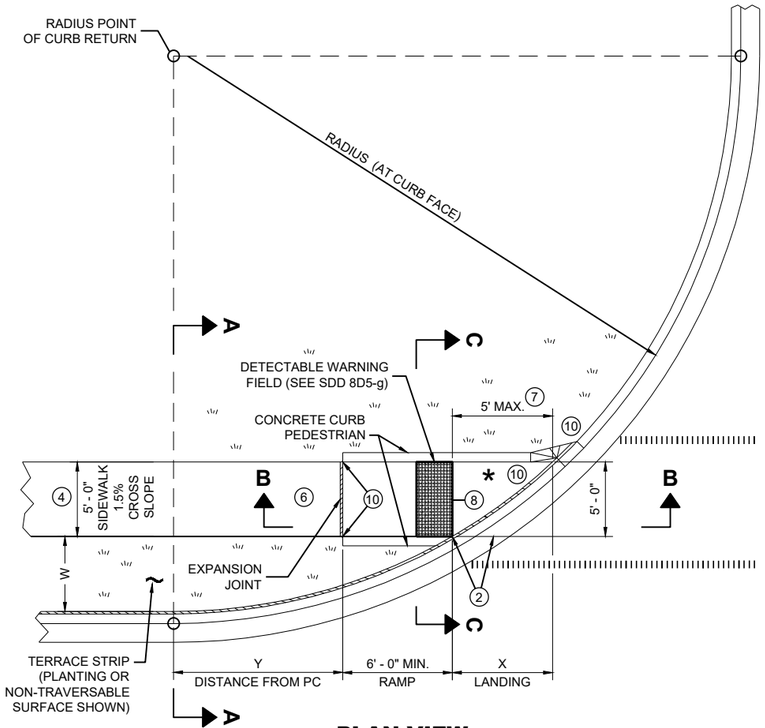
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

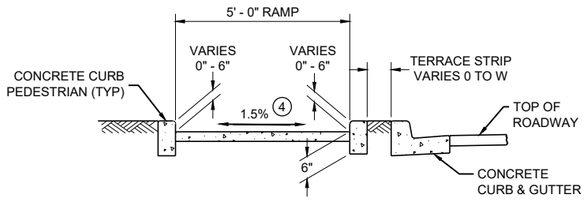
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

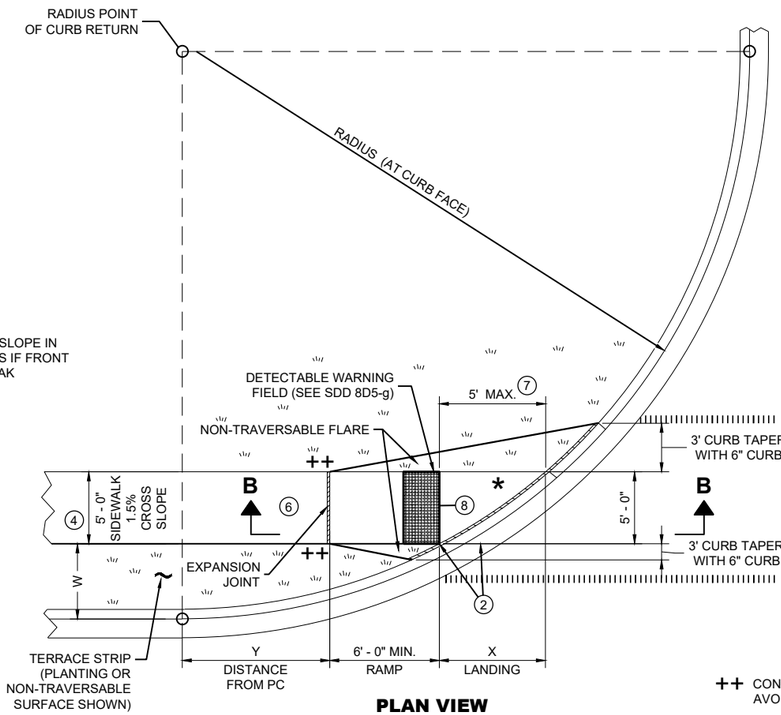
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

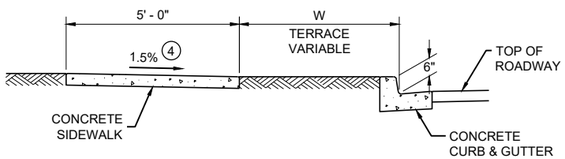
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



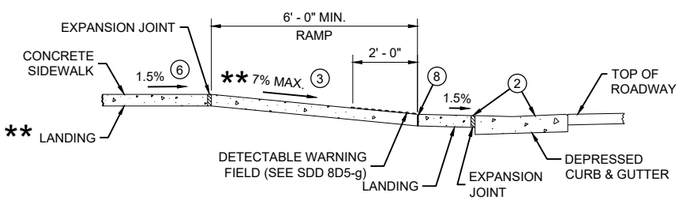
PLAN VIEW
CURB RAMP TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

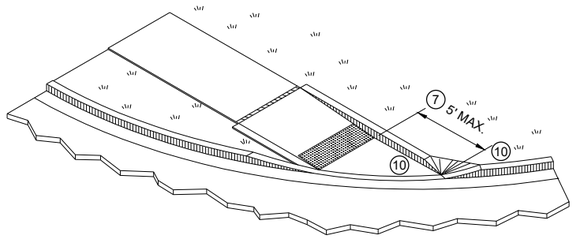


SECTION A - A FOR TYPE 4B

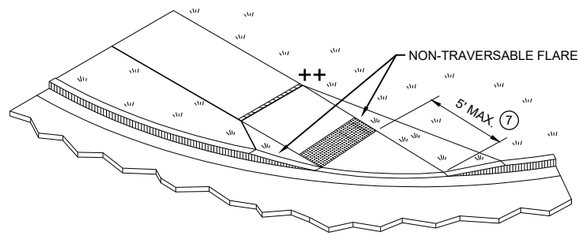


SECTION B - B FOR TYPE 4B AND TYPE 4B1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



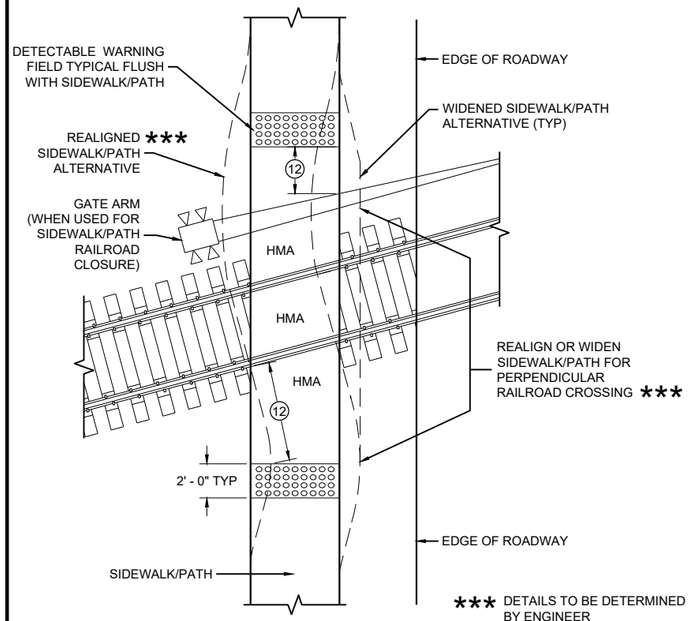
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

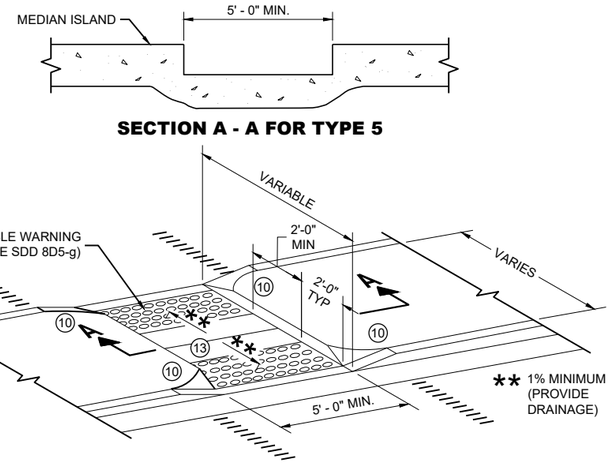
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

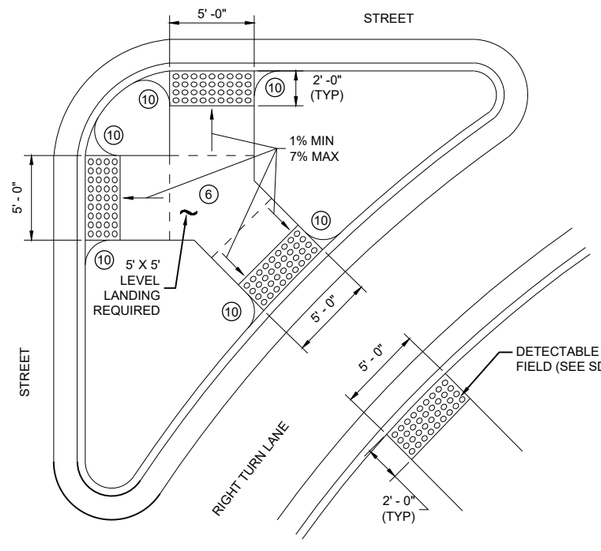
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

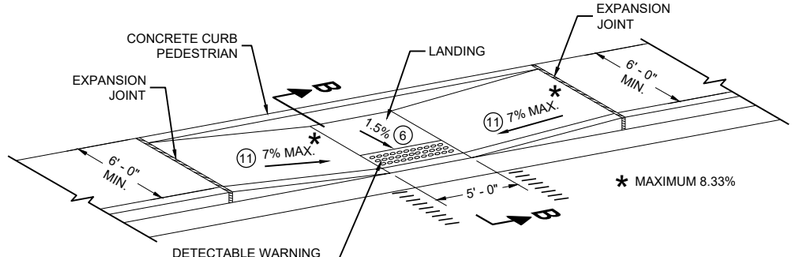
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

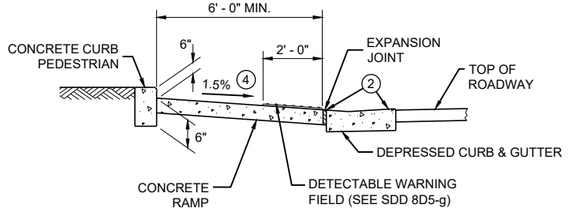
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

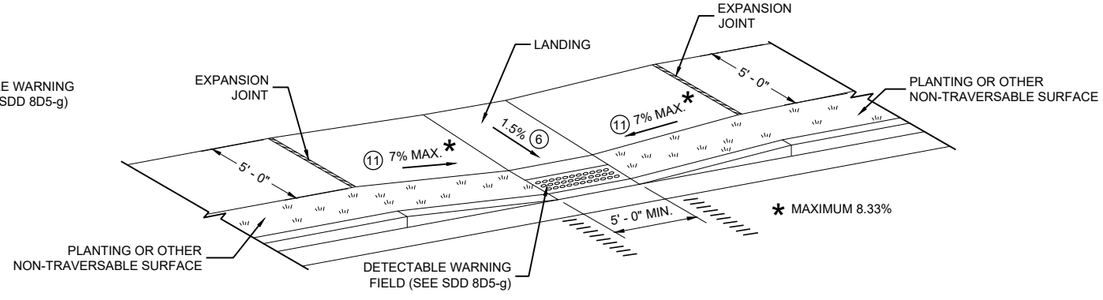


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



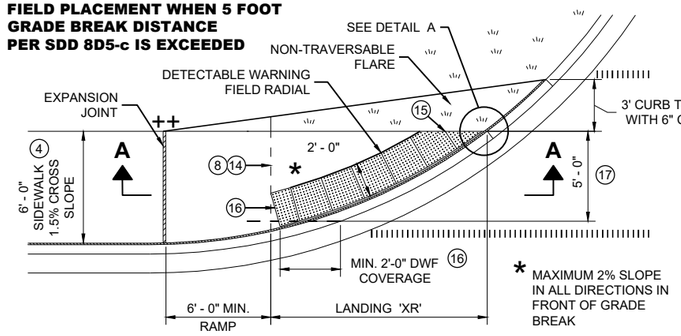
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

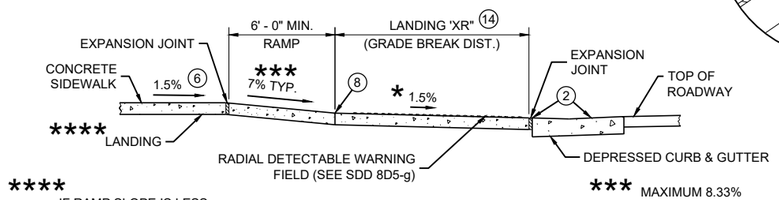
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

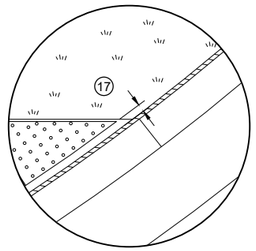
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

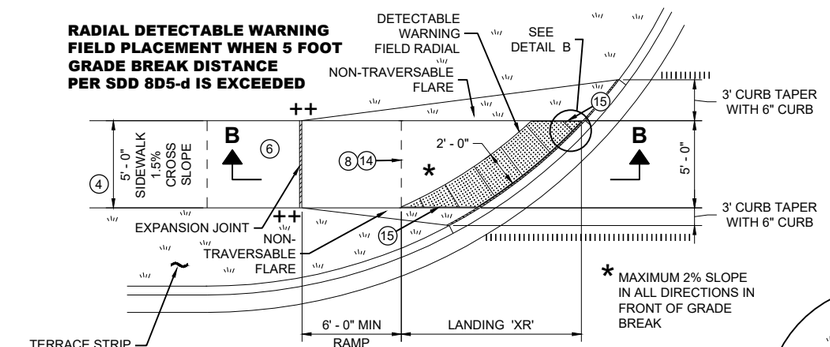
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

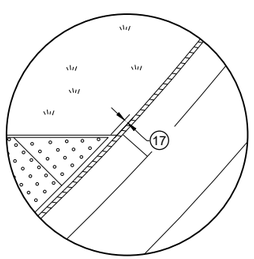
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

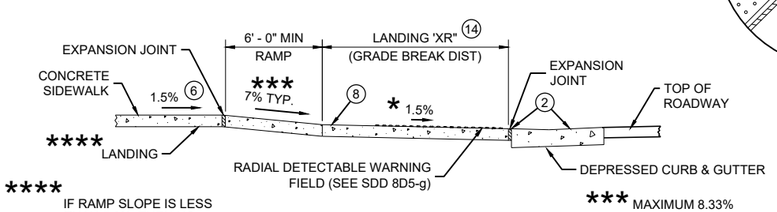


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

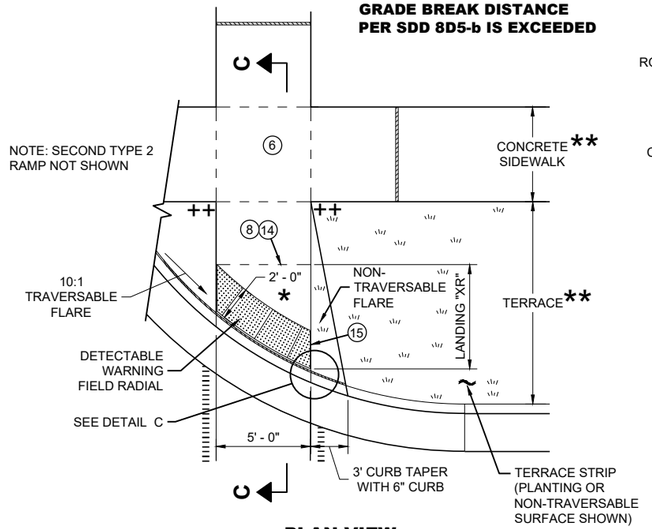


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

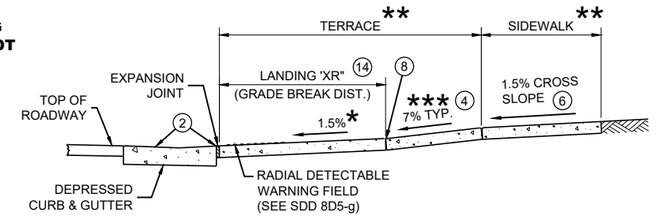
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

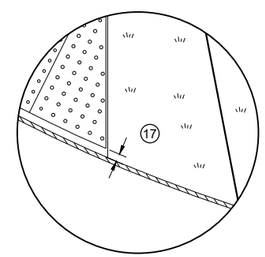


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

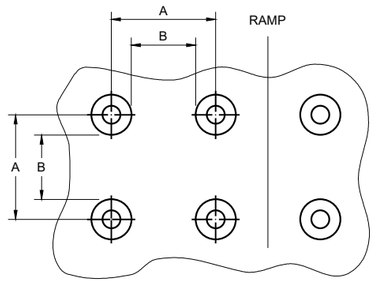
CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

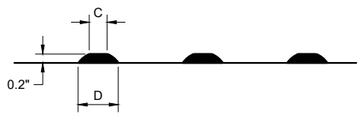
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

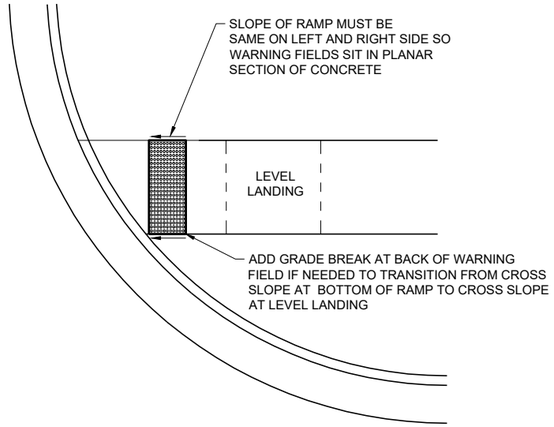
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

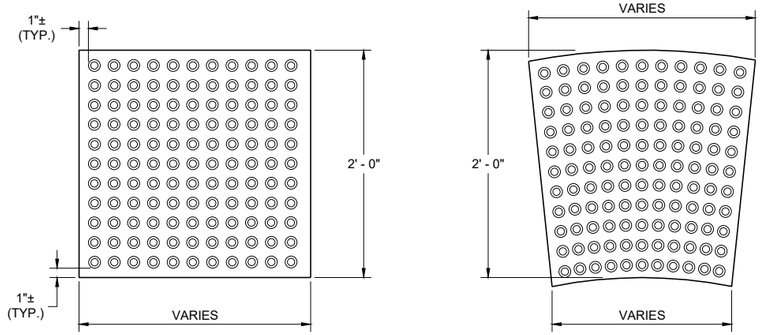
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

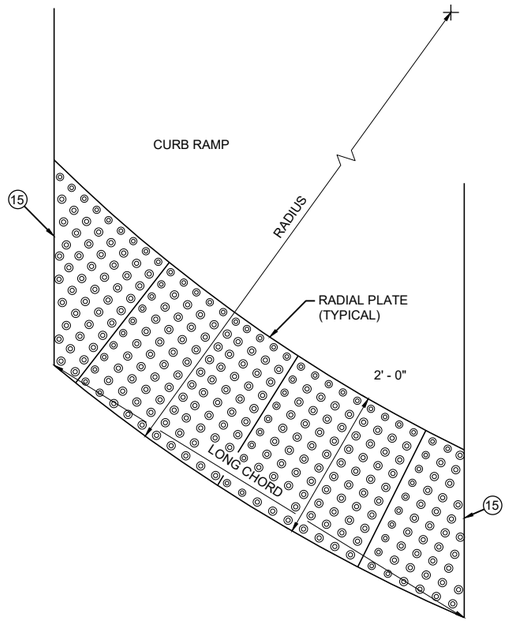
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



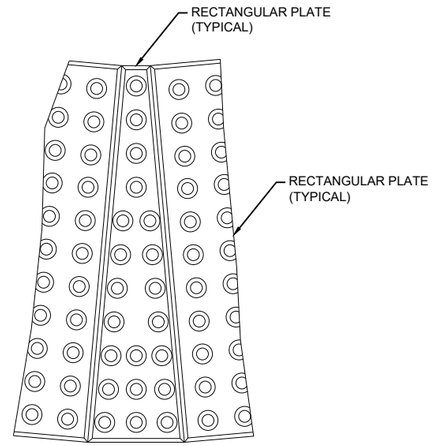
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

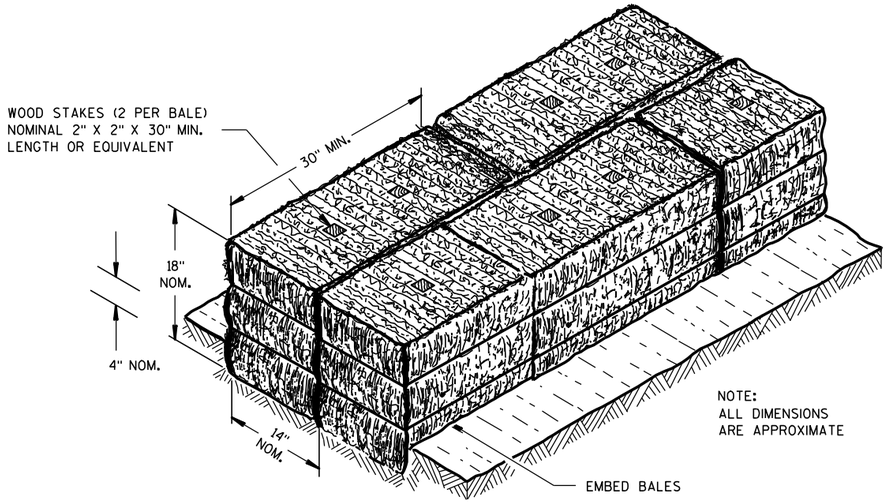
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

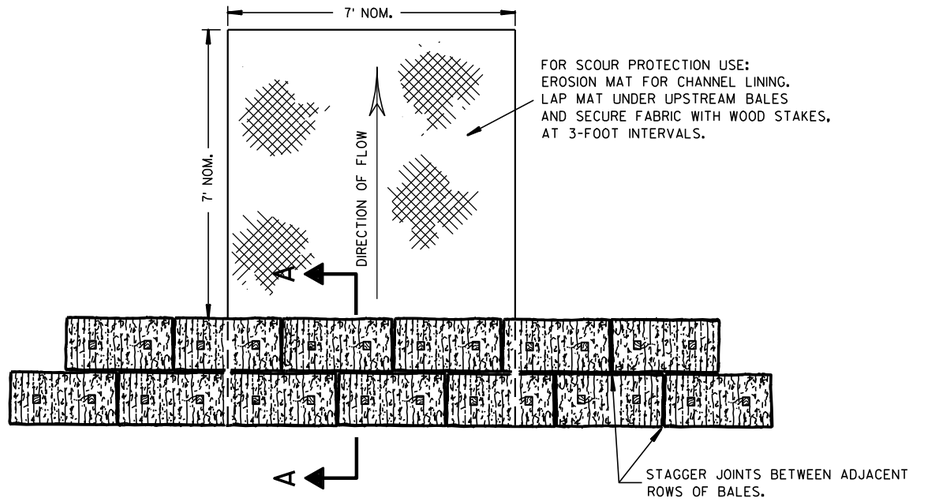
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

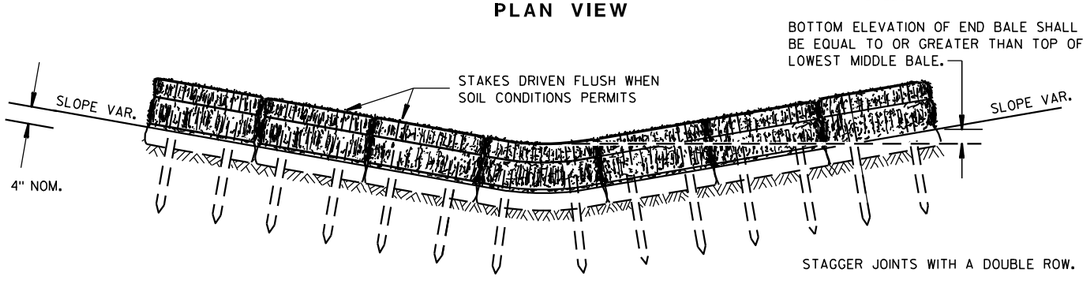
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SDD 08D05-21g



SECTION A-A



PLAN VIEW



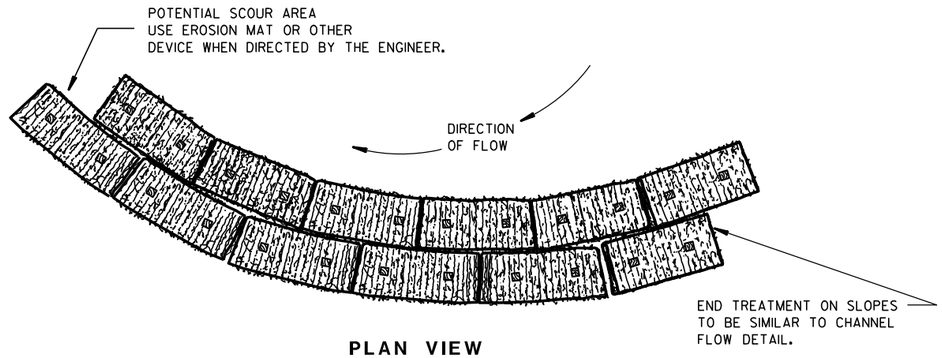
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

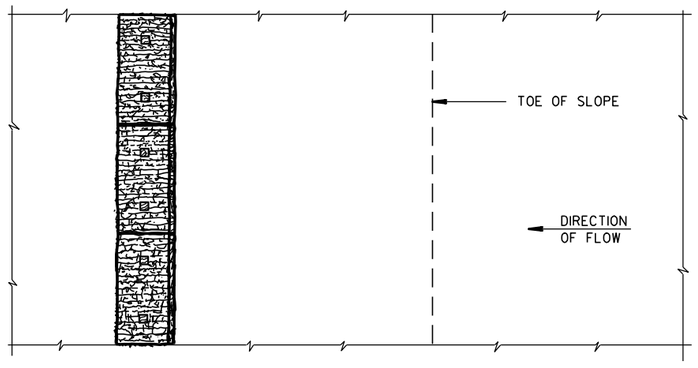
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

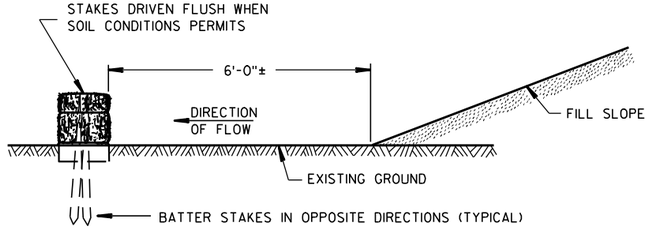


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

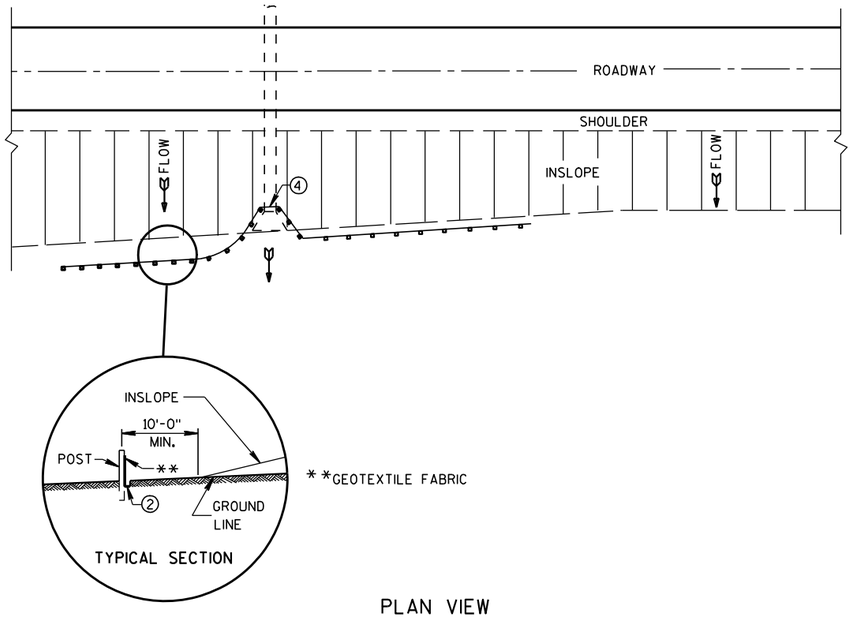
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S.D.D. 8 E 8-3

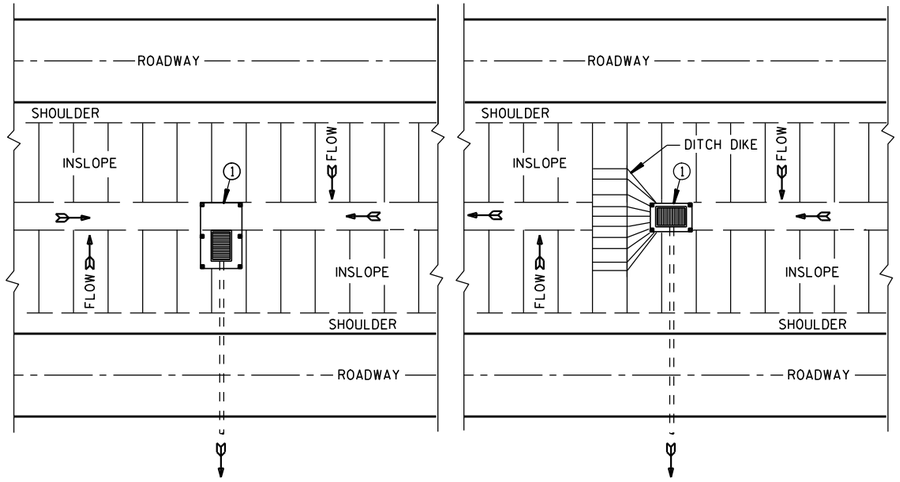
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



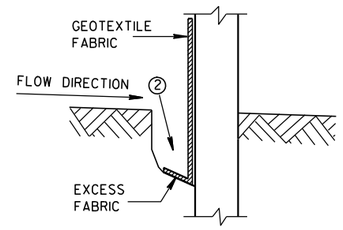
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

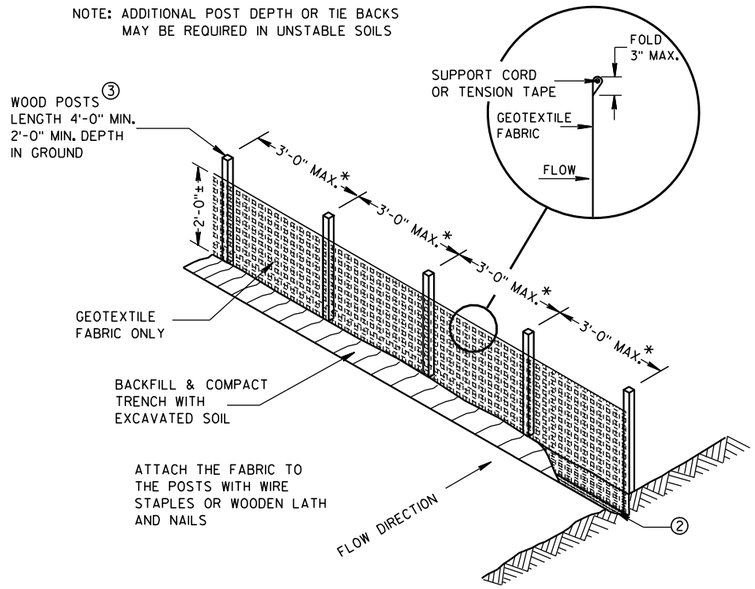
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

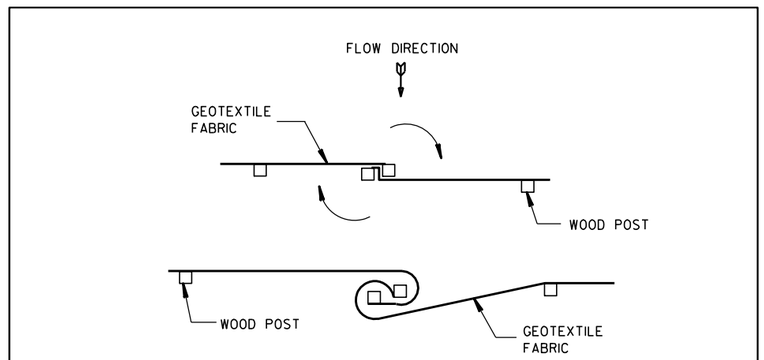
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



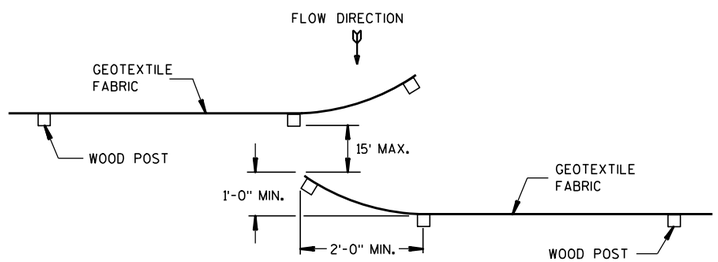
TRENCH DETAIL



SILT FENCE

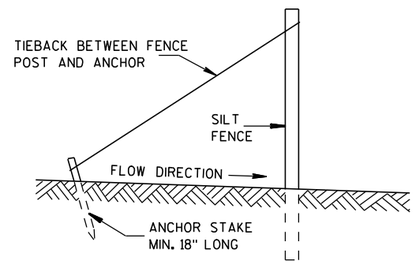


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

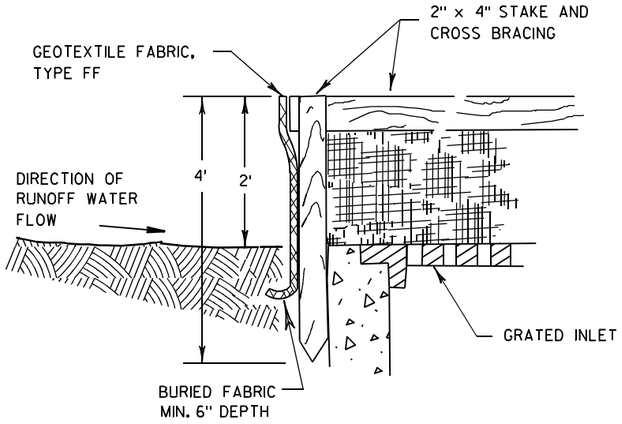
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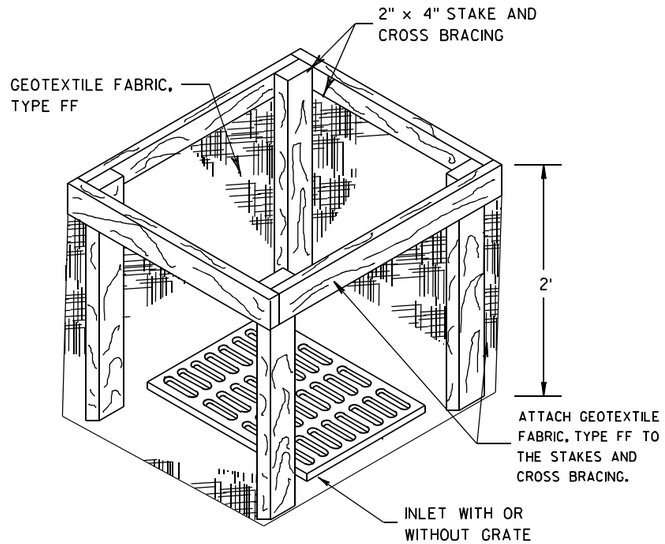
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S.D.D. 8 E 9-6

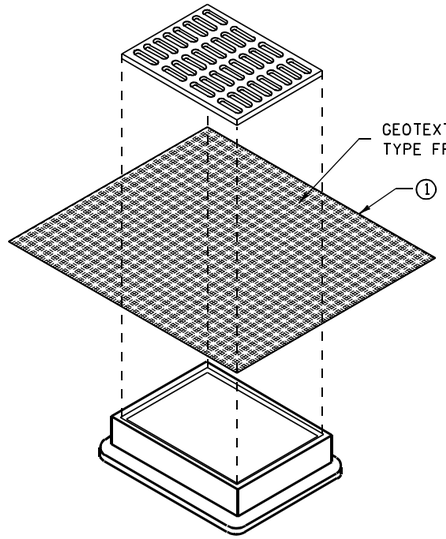
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S.D.D. 8 E 9-6



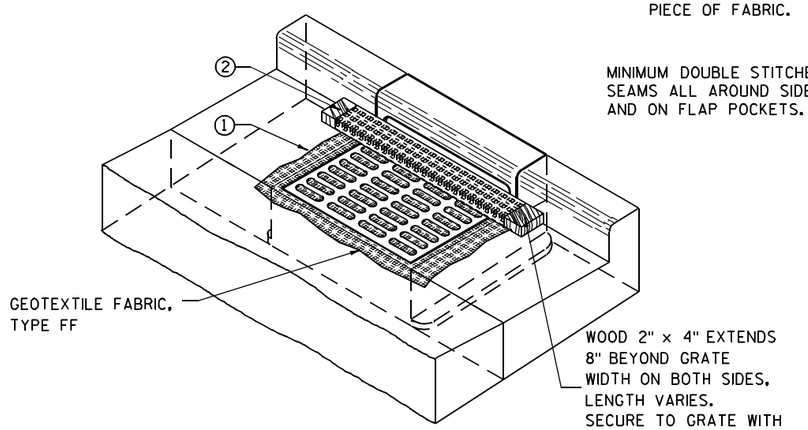


INLET PROTECTION, TYPE A

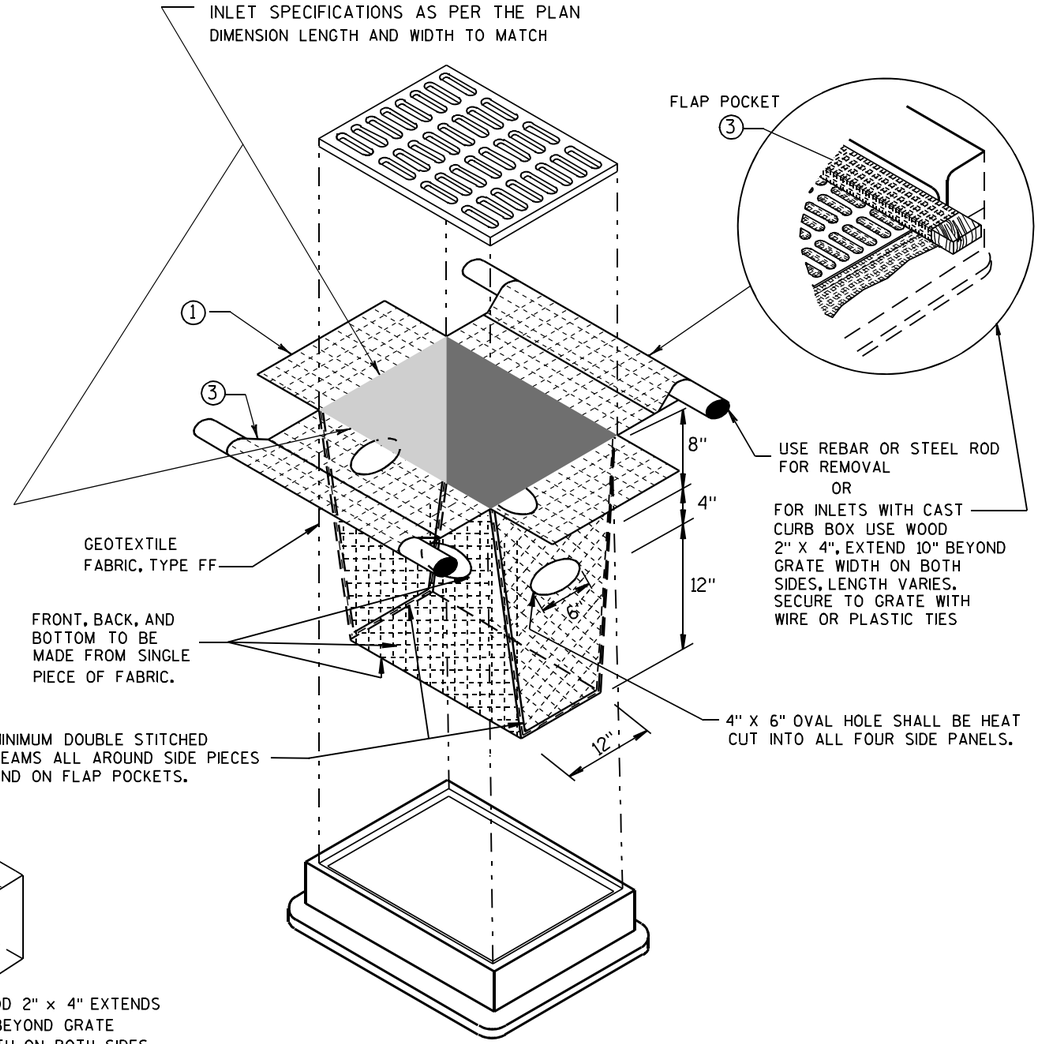


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

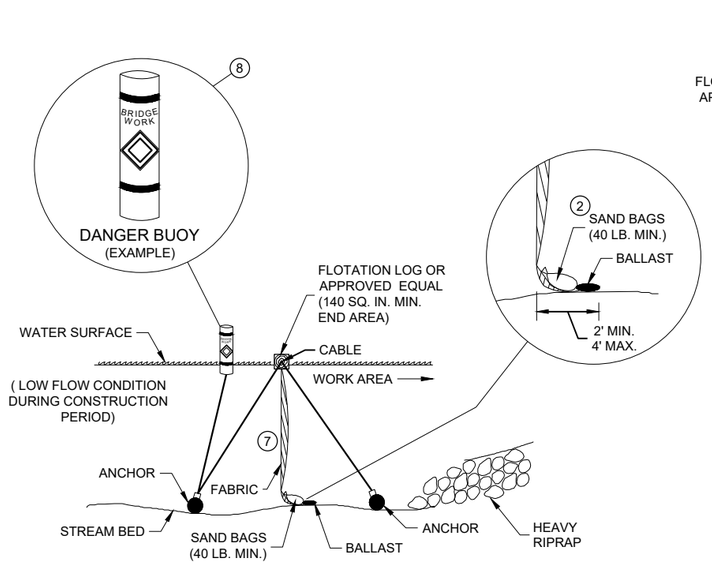
FHWA

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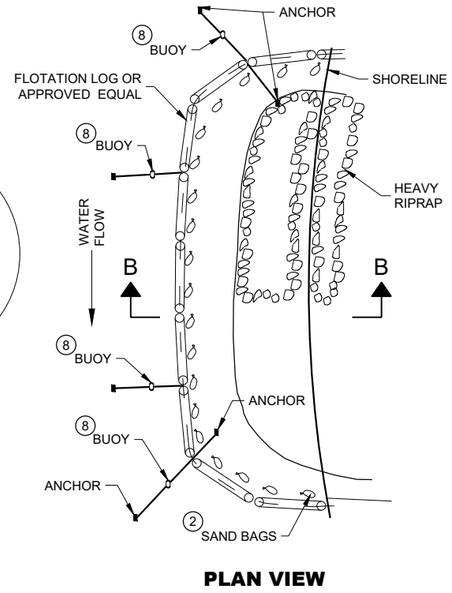
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

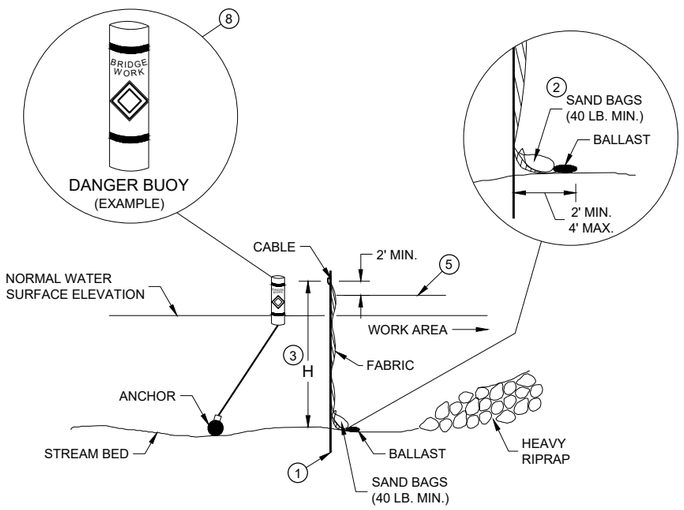


SECTION B - B

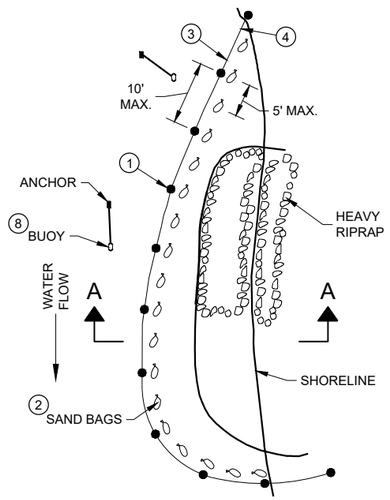


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

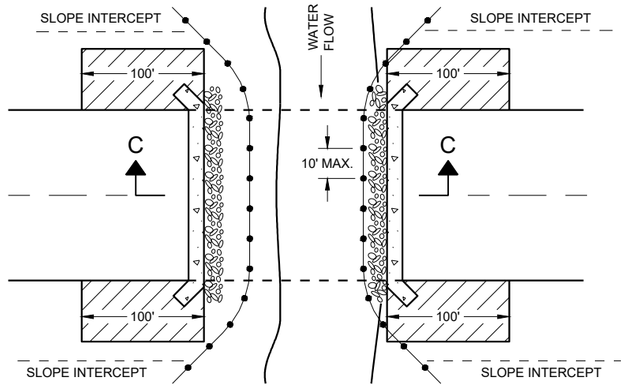
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

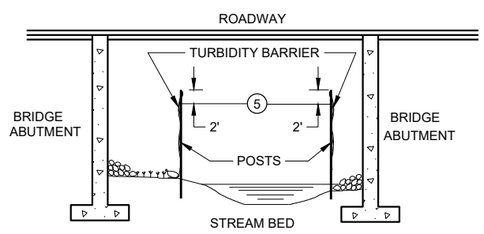
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

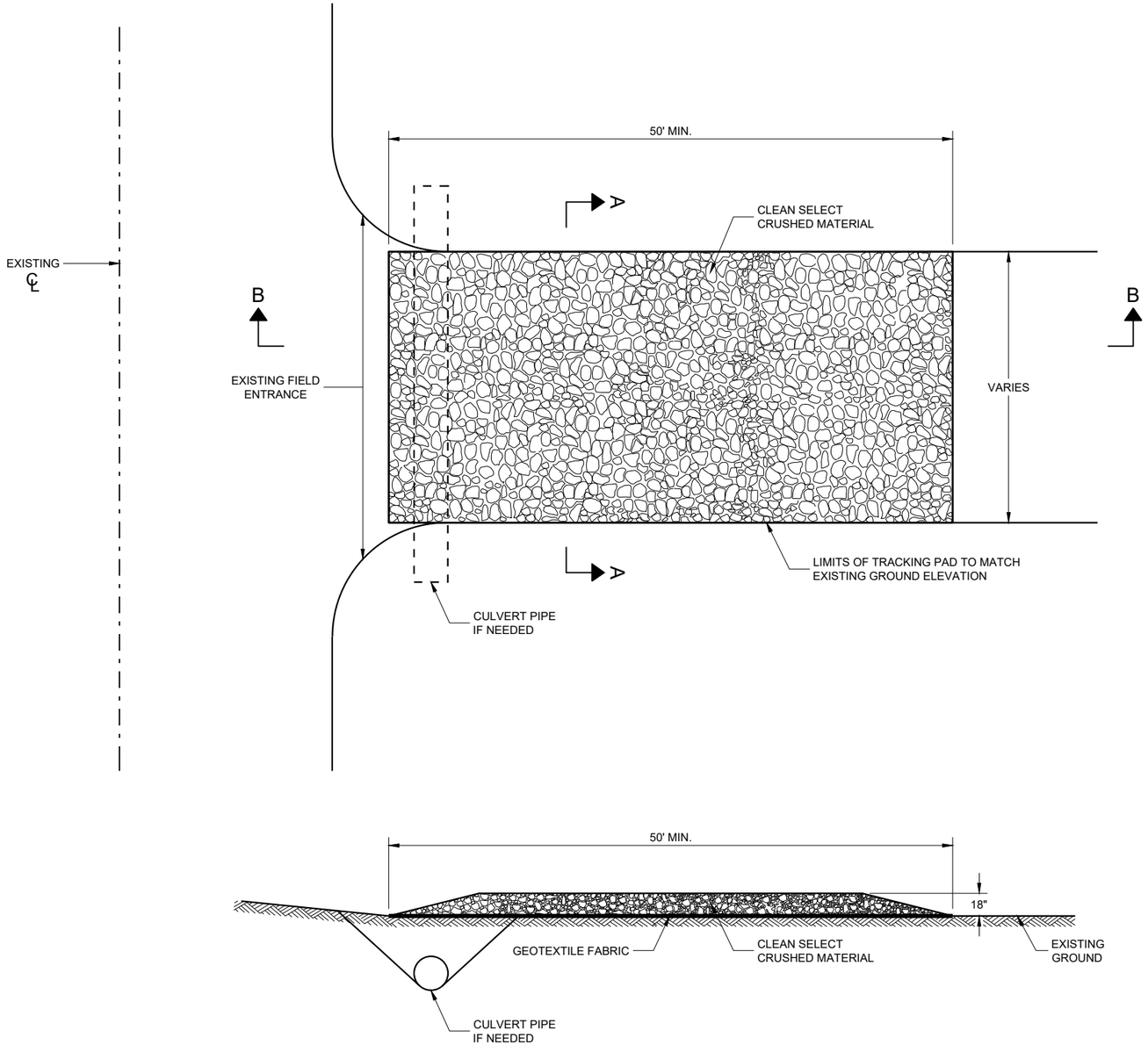
TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOI
ENGINEER

FHWA

6
SDD 08E11 - 02



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

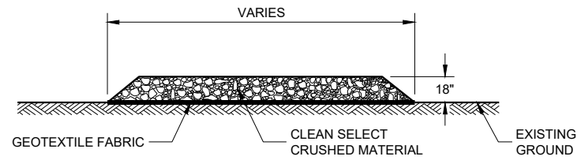
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

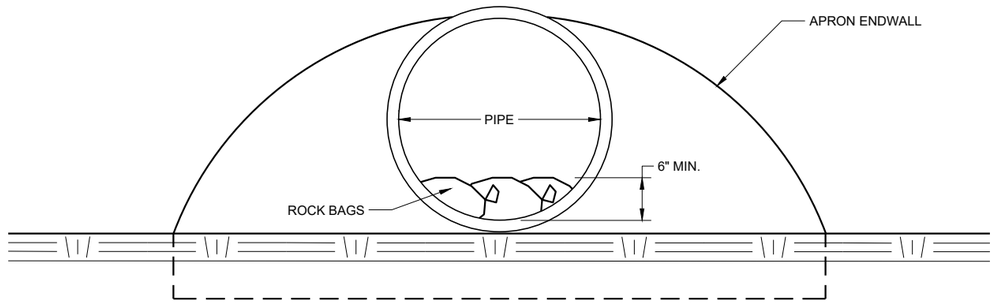
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

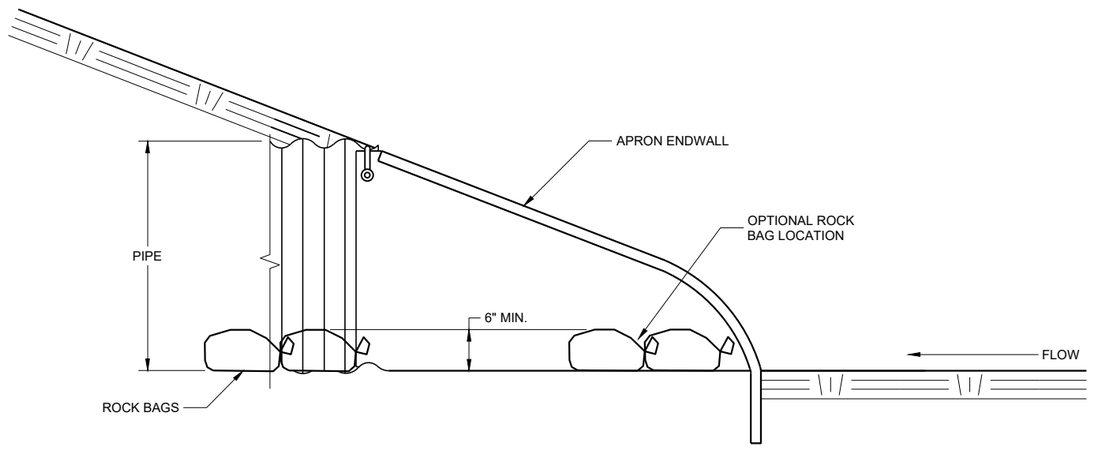
FHWA

6

SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI 865

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

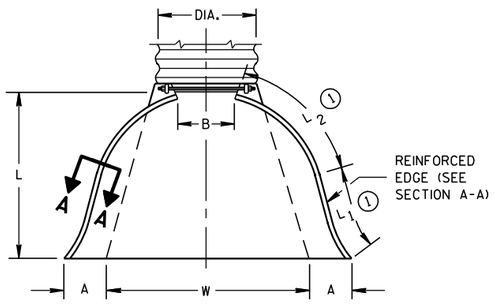
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

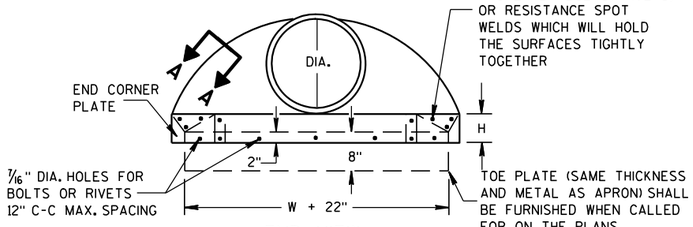
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

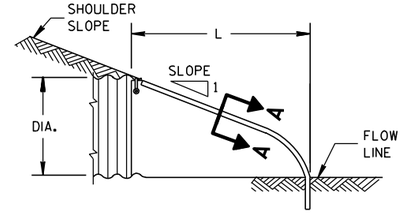
*MINIMUM
**MAXIMUM



PLAN VIEW

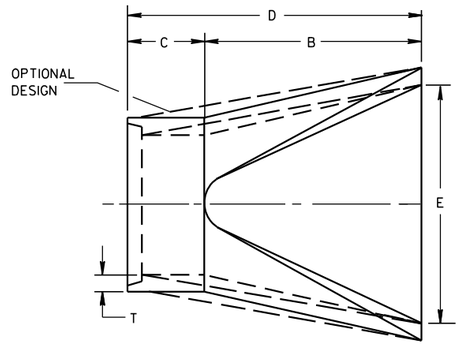


END VIEW

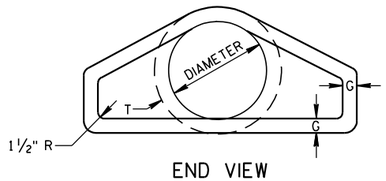


SIDE ELEVATION

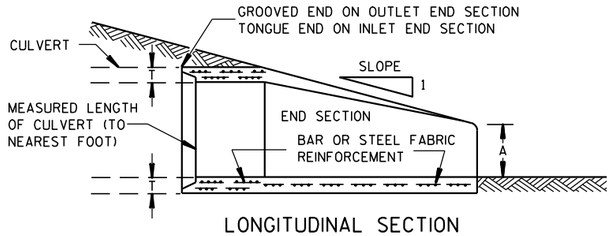
METAL ENDWALLS



PLAN

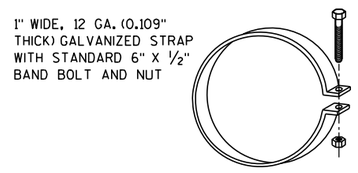


END VIEW



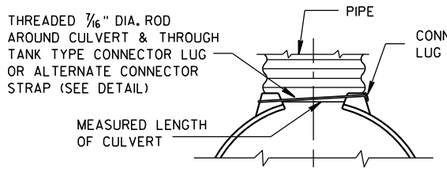
LONGITUDINAL SECTION

CONCRETE ENDWALLS

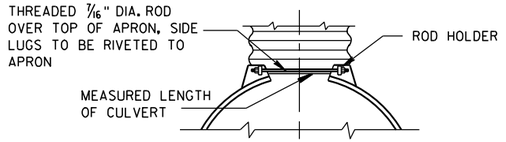


ALTERNATE FOR TYPE 1 CONNECTION

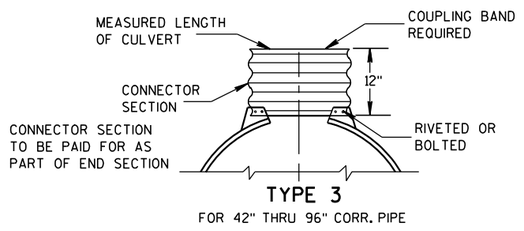
END SECTION CONNECTOR STRAP



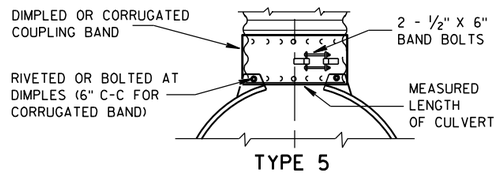
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

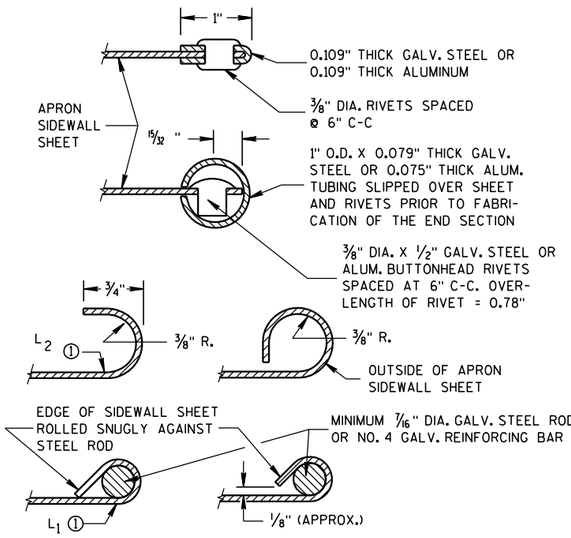
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

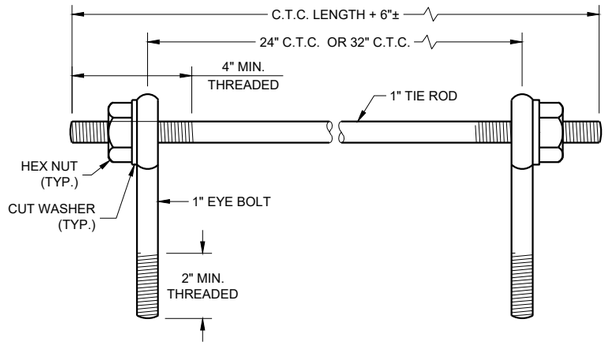
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

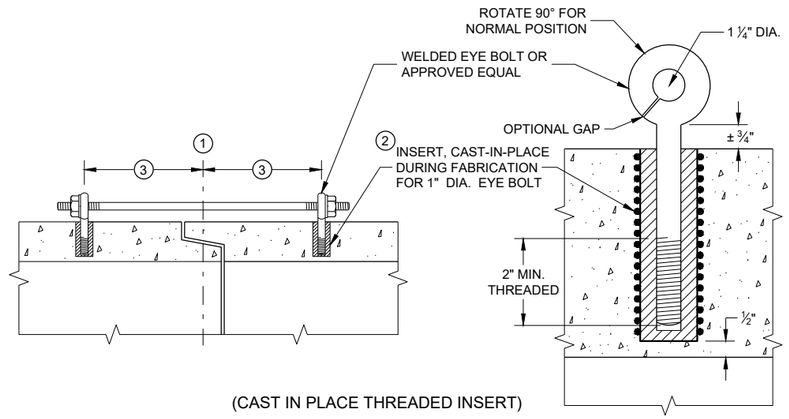
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

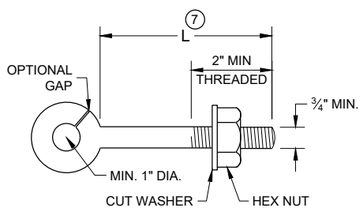
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

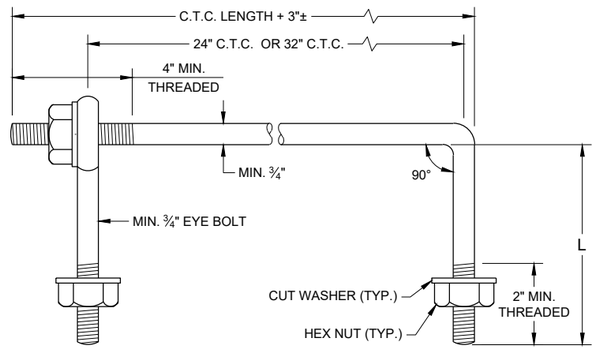
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

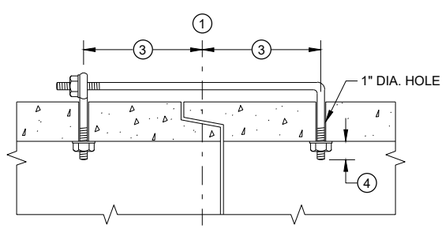


EYE BOLT (7)

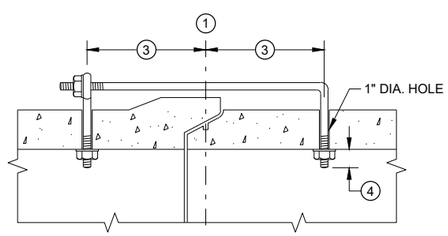
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

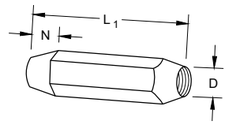
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

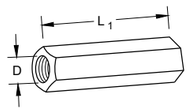
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



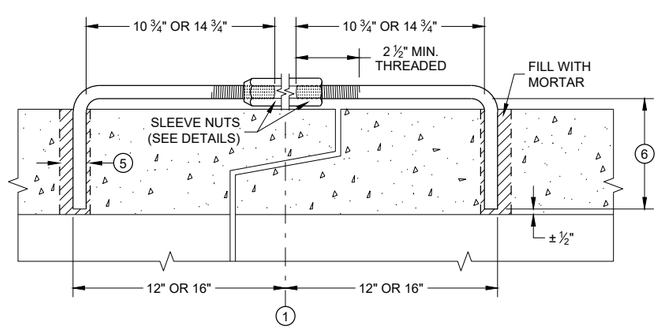
TAPERED



PLAIN

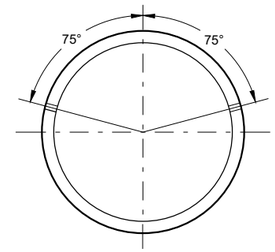
RIGHT AND LEFT THREADS

SLEEVE NUTS



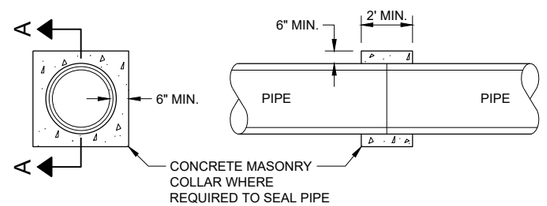
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
867
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2' - 0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3' - 0"

(3) LIMITS OF TRENCH BACKFILL

(4) LIMITS OF FOUNDATION BACKFILL

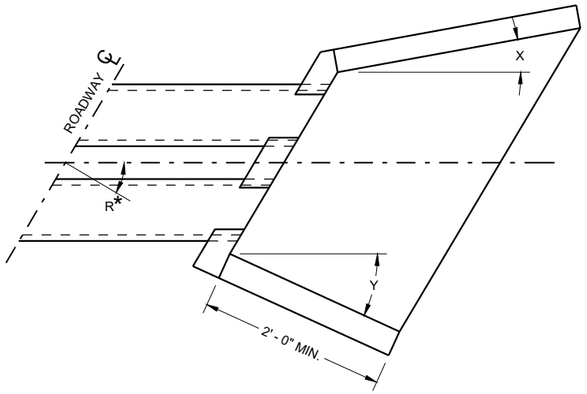
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(6) DO NOT PLACE FOUNDATION BACK FILL OR ANY OTHER GRANULAR BACKFILL AROUND OR BELOW CUT OFF WALL. POUR CUT OFF WALL AGAINST NATIVE SOIL

(7) MINIMUM HEIGHT SHALL BE THE GREATER OF 1'- 0" OR ¼ HEIGHT OF CULVERT PIPE.

TRENCH BACKFILL

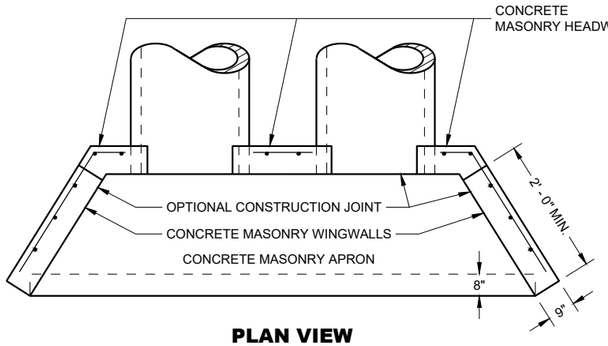
FOUNDATION BACKFILL



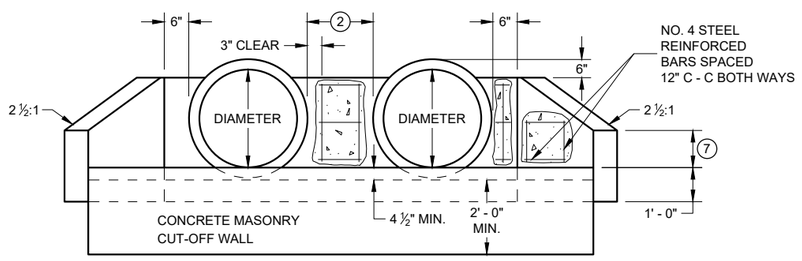
WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	30°	16 - 45°	10°	15°
23 - 37°	20°	30°	46 - 75°	5°	15°
38 - 52°	15°	30°	OVER 75°	0°	15°
53 - 67°	10°	30°			
68 - 82°	5°	30°			
OVER 82°	0°	30°			

R* = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

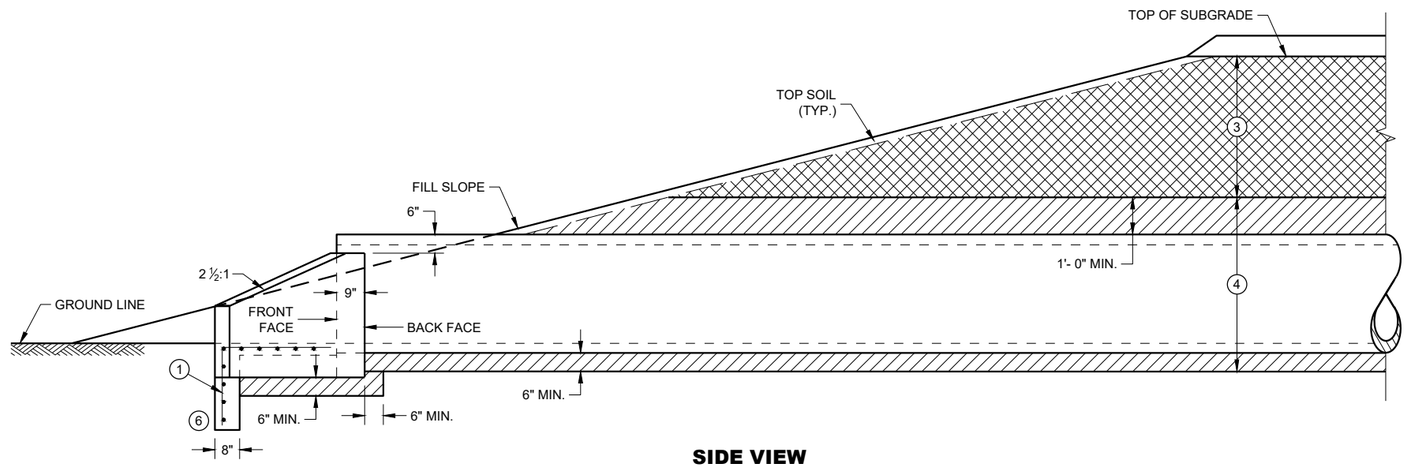


PLAN VIEW



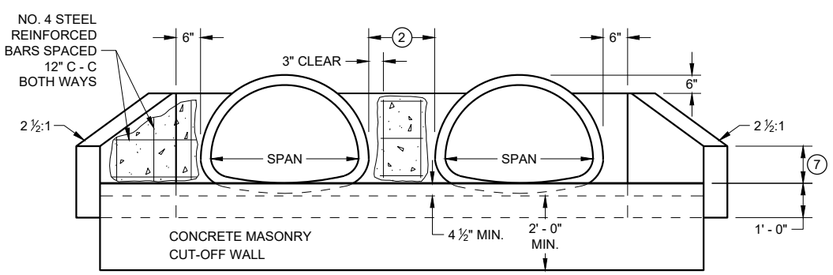
END VIEW

CIRCULAR PIPE



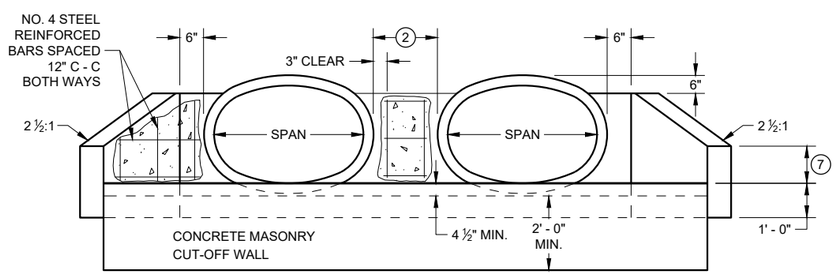
SIDE VIEW

CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW

PIPE ARCH



END VIEW

HORIZONTAL ELLIPSE

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

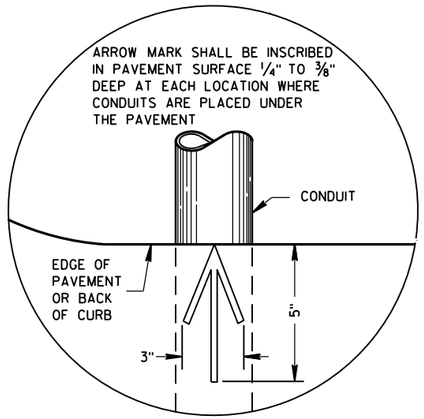
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SDD 08F10 - 02

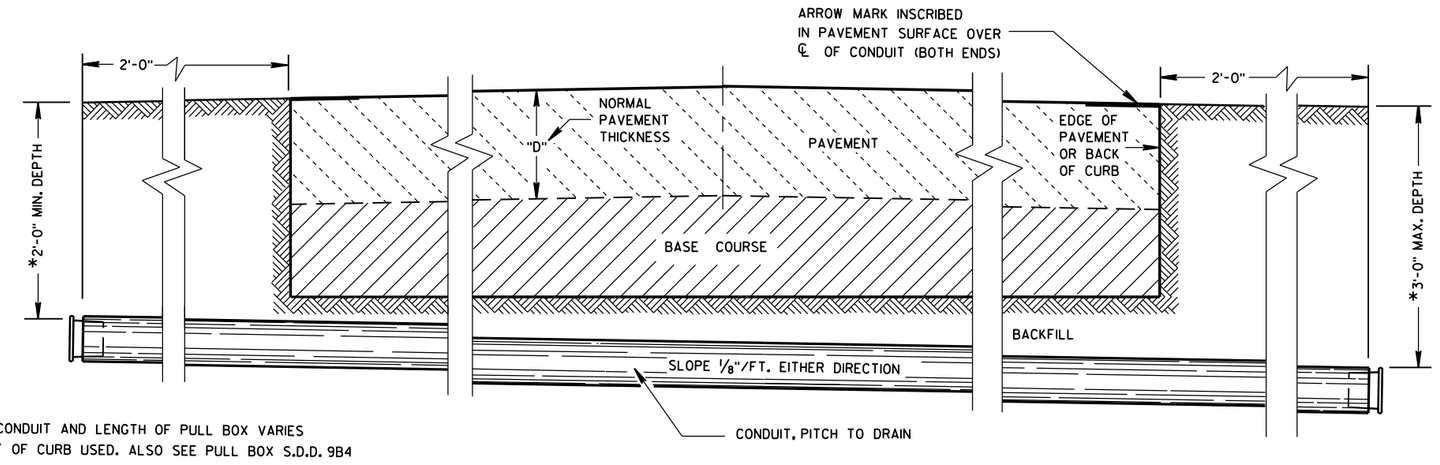
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SDD 08F10 - 02



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 869
FHWA

6

S.D.D. 9 B 2-10

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

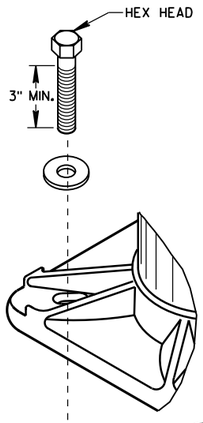
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

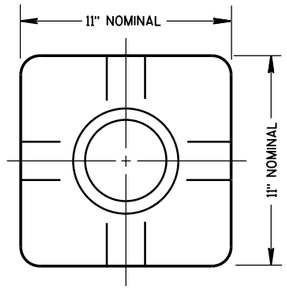
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

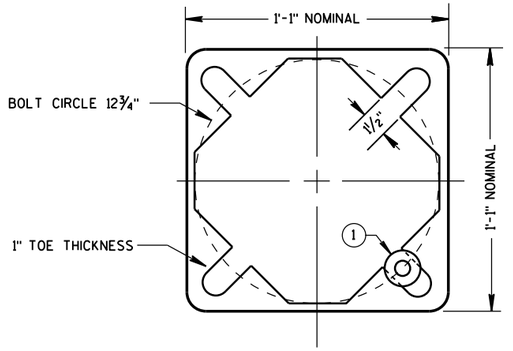
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

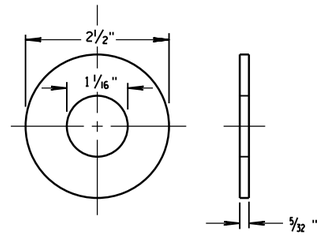




TOP VIEW
(PEDESTAL BASE)

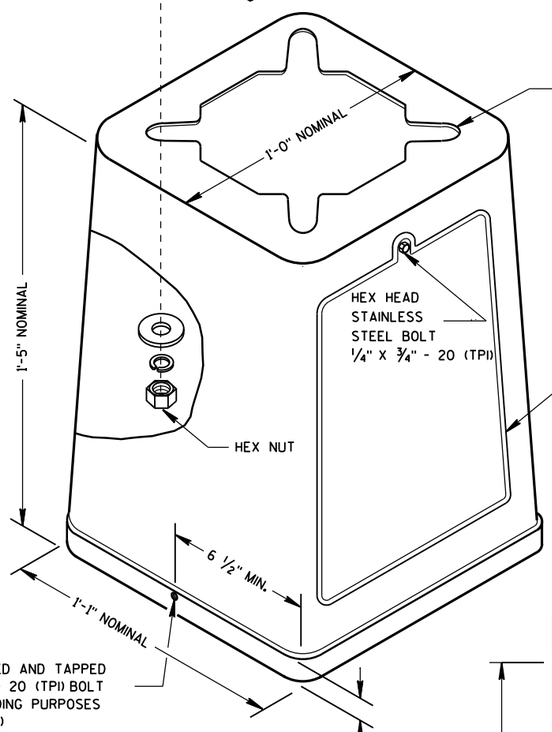


BOTTOM VIEW
(PEDESTAL BASE)

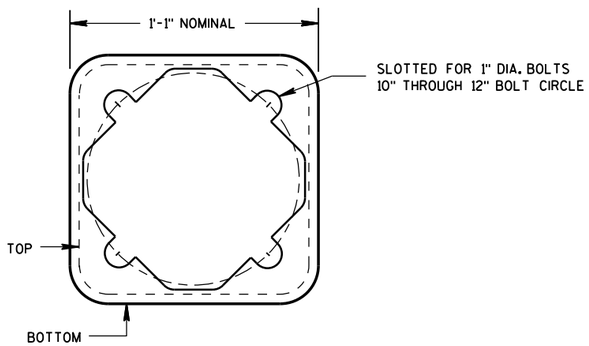


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

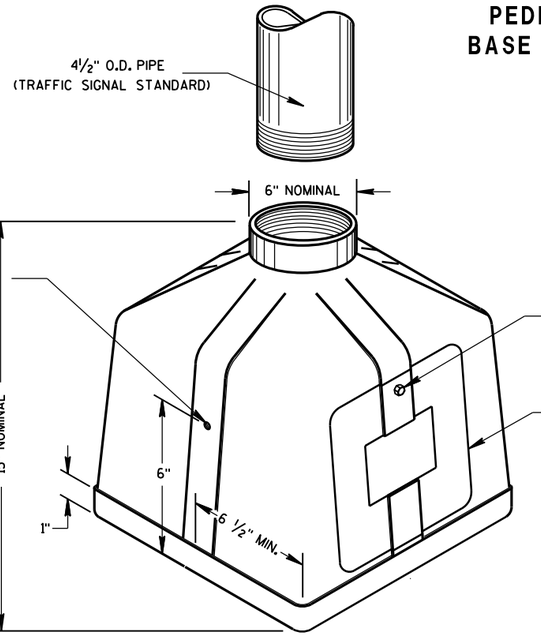
PEDESTAL BASE WASHER (1)



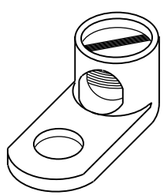
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

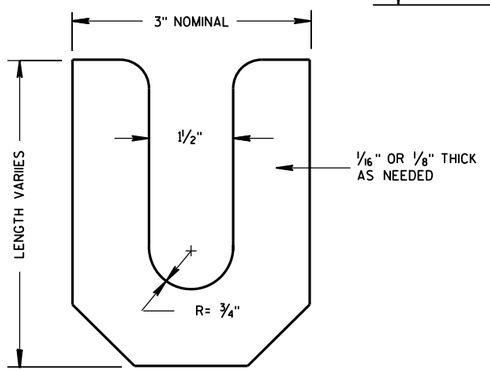


ISOMETRIC VIEW
PEDESTAL BASE



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

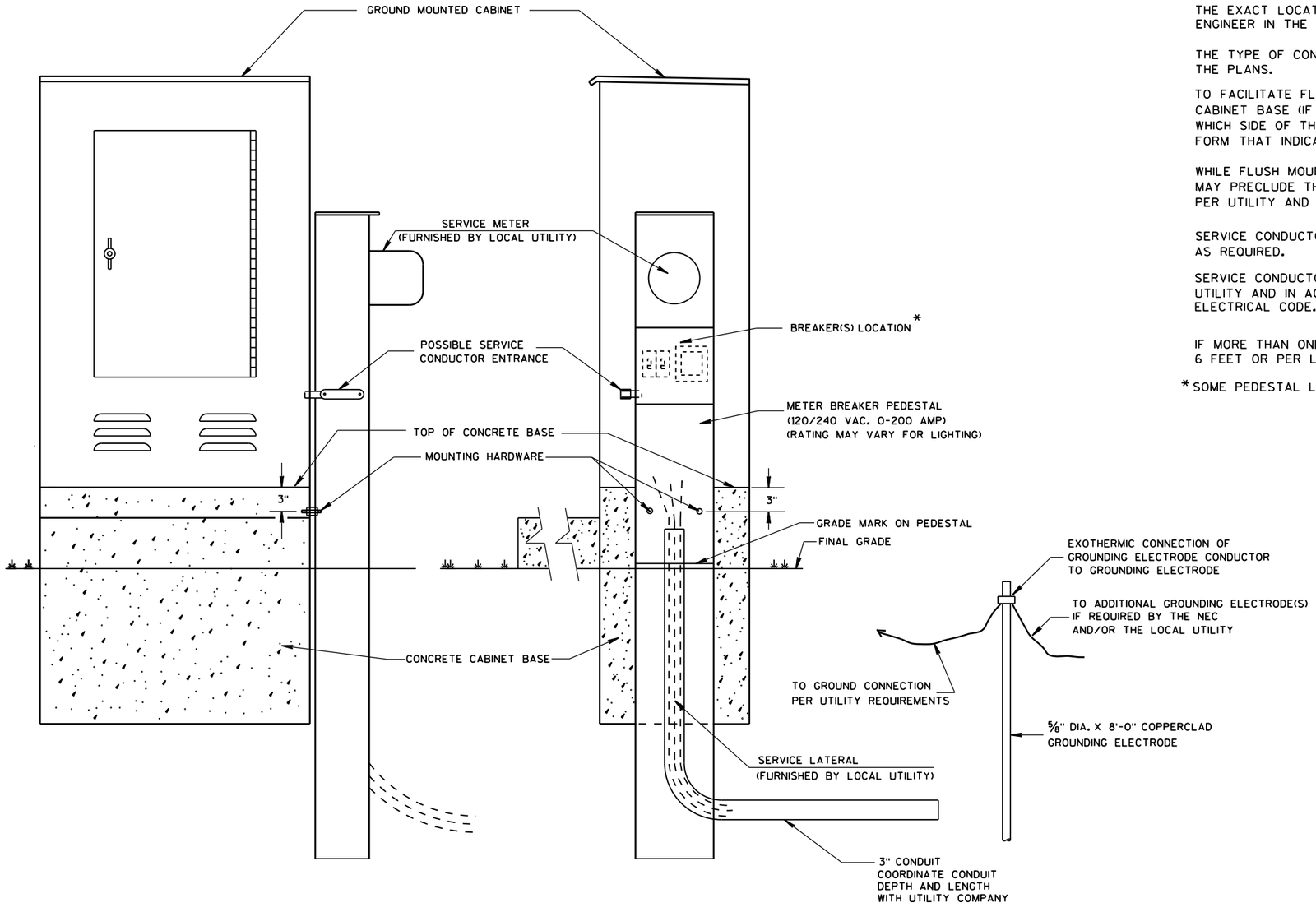
870

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S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

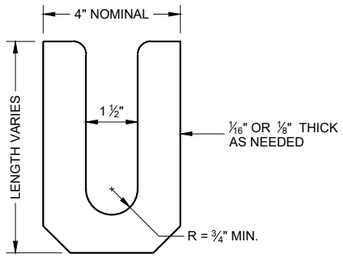
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

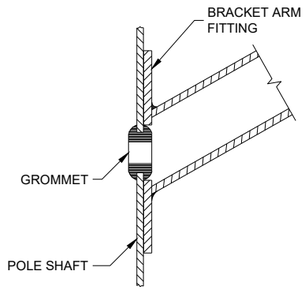
APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

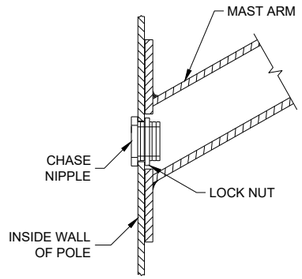
FHWA



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

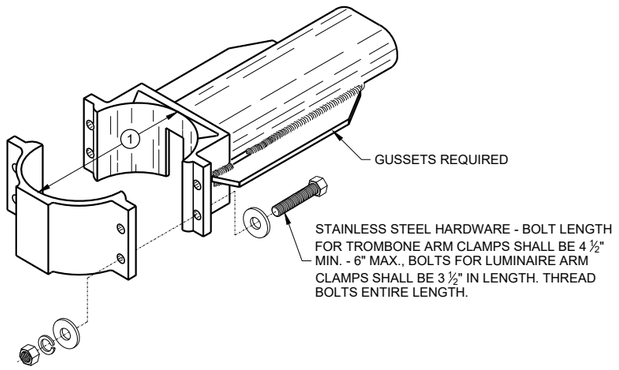
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

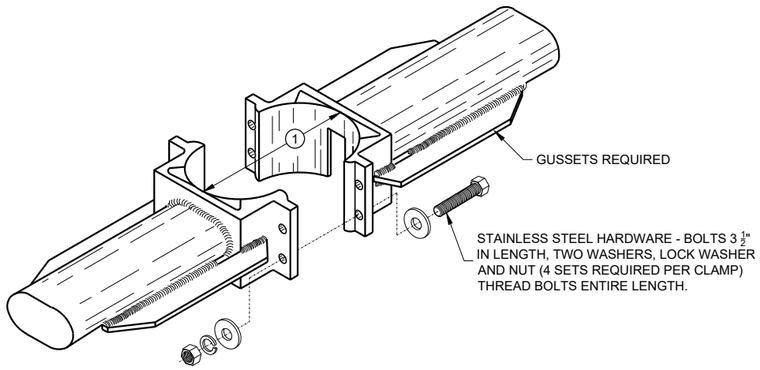
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

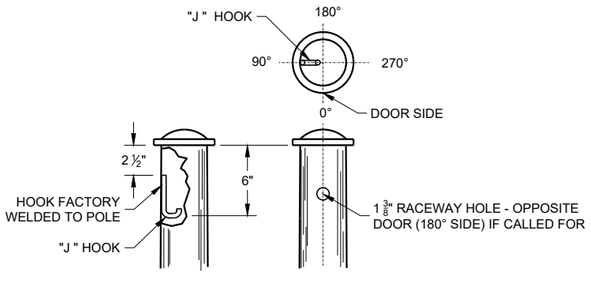
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



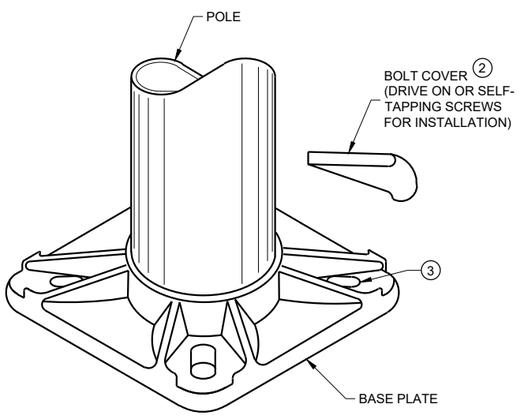
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



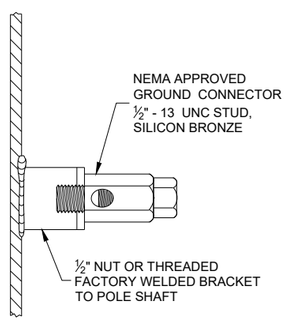
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

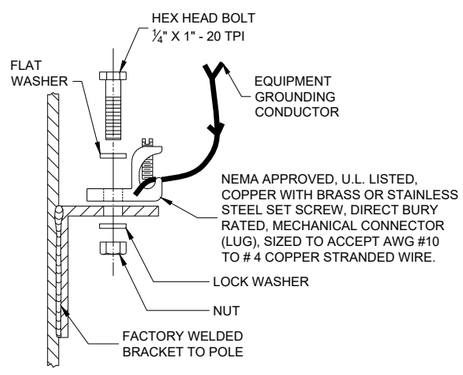


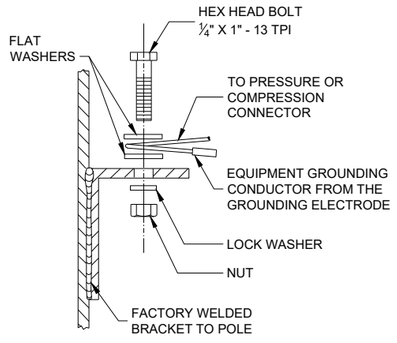
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 872

FHWA

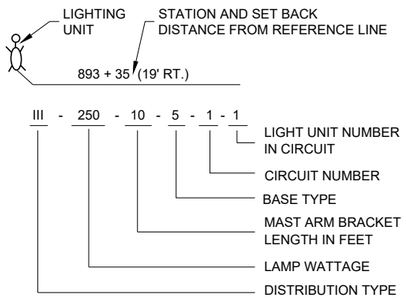
6
SDD 09E01 - 15g

GENERAL NOTES

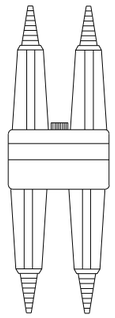
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

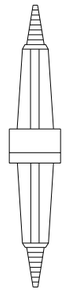
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



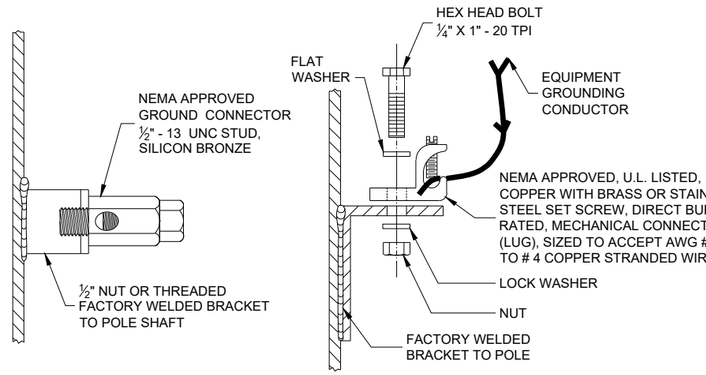
LIGHTING UNIT CODE
(TYPICAL)



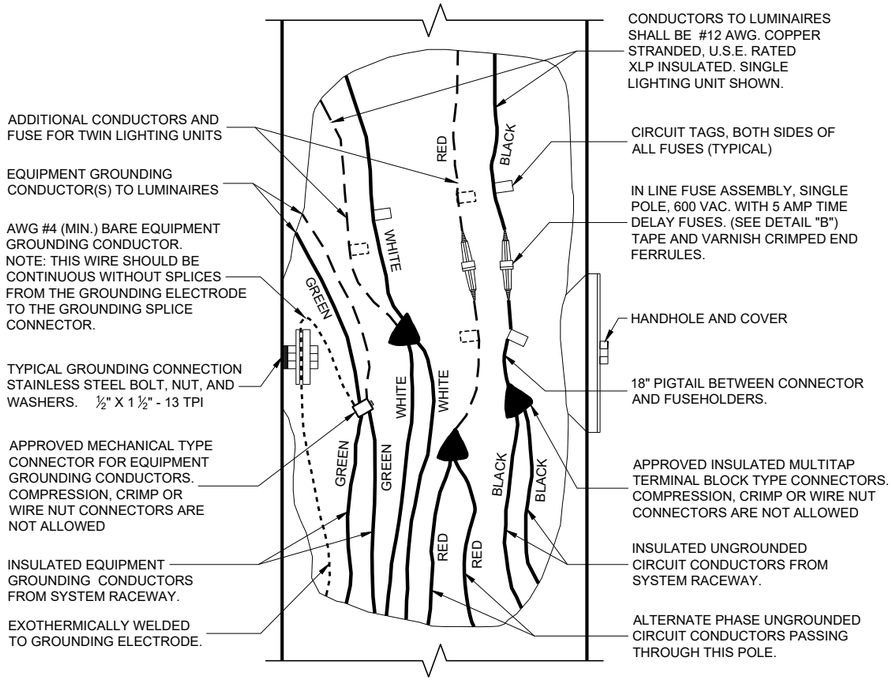
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



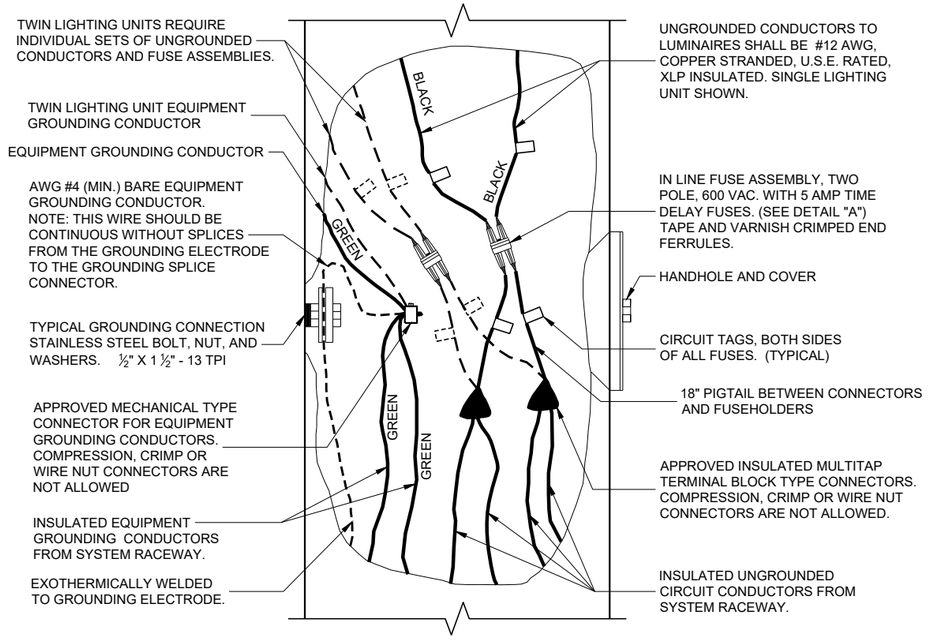
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

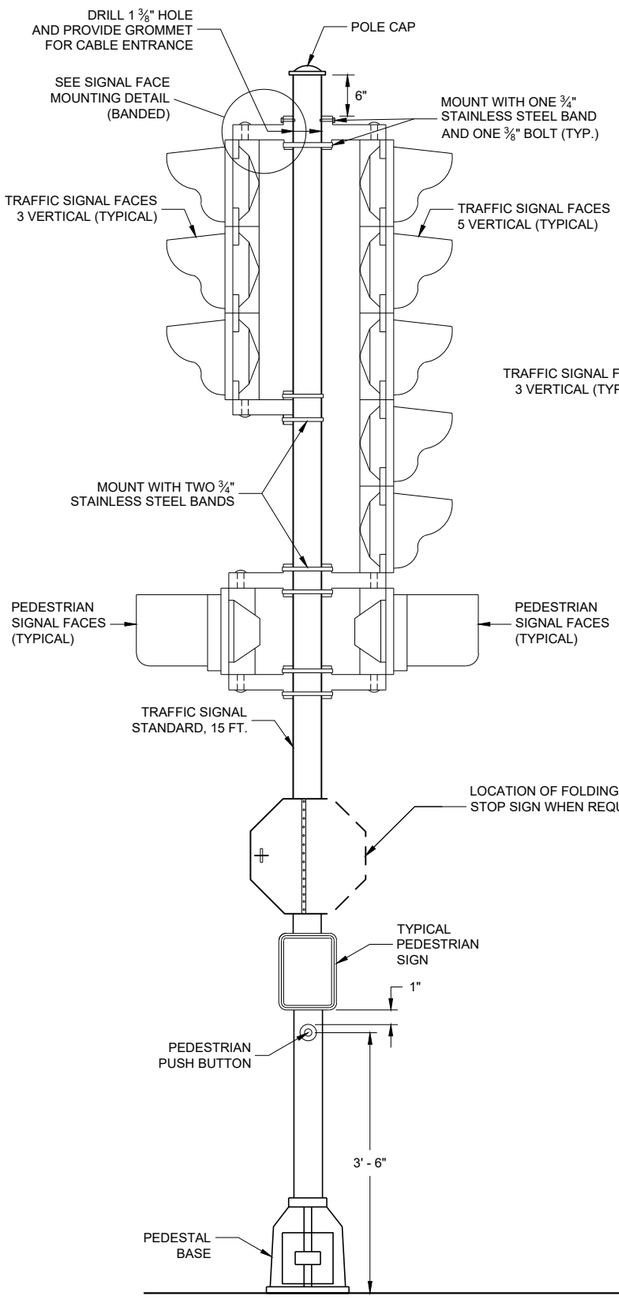
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

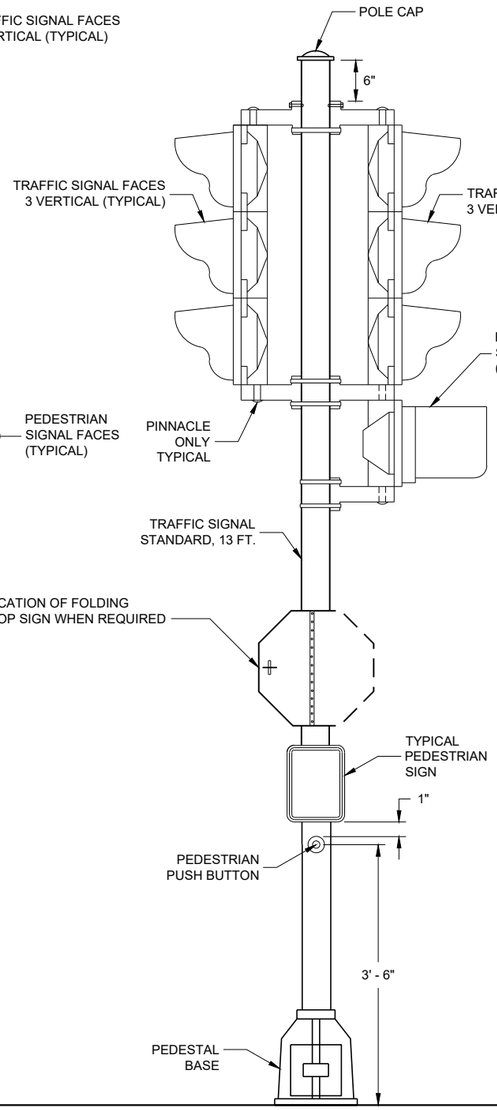
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 873

FHWA

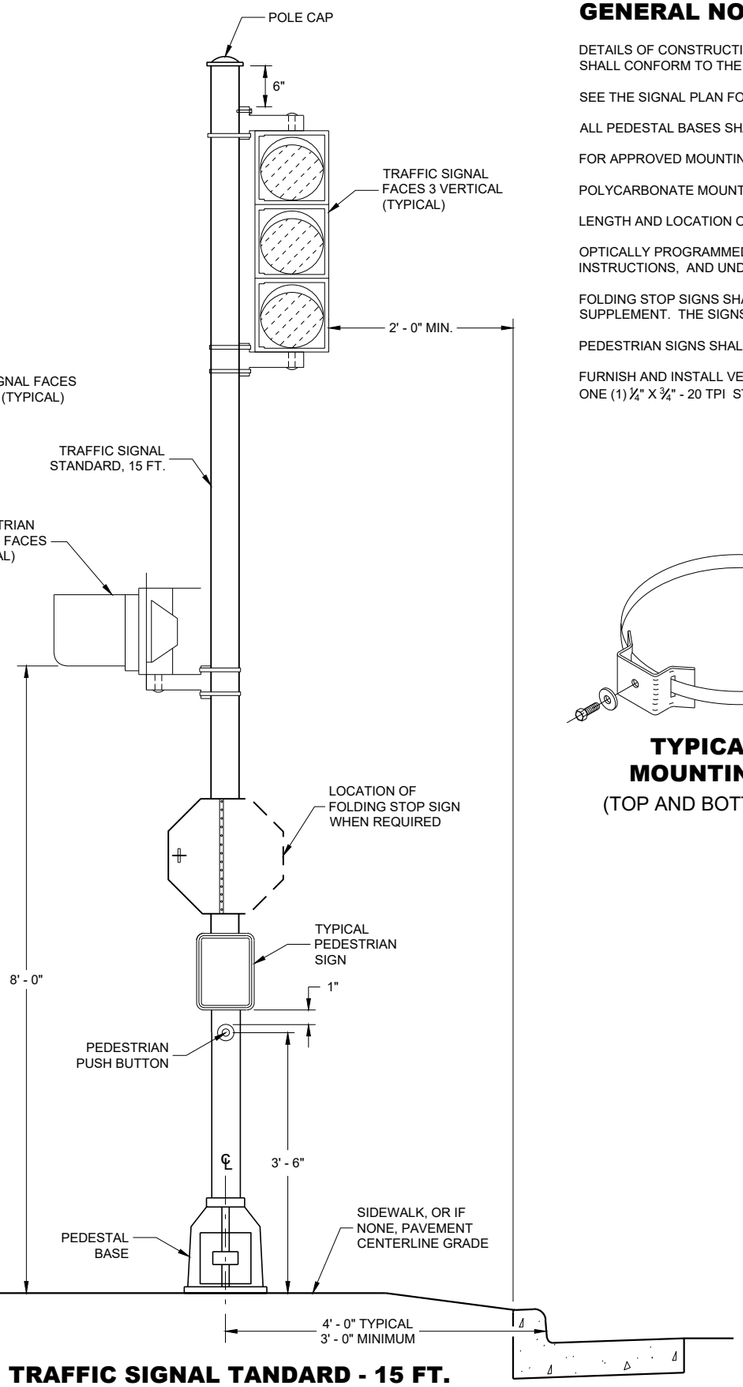
6
SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

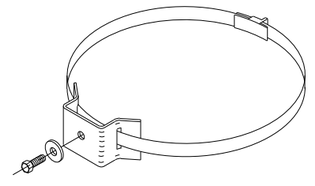
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

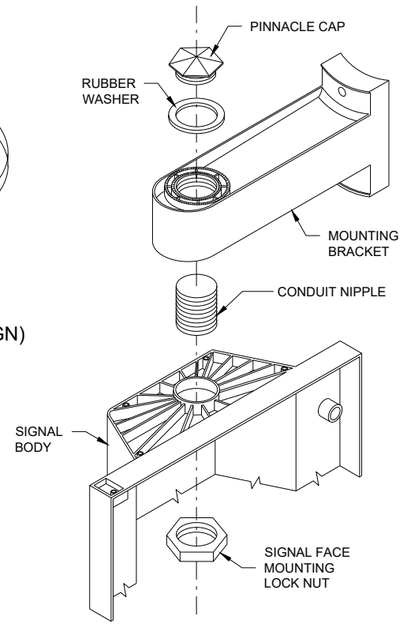
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

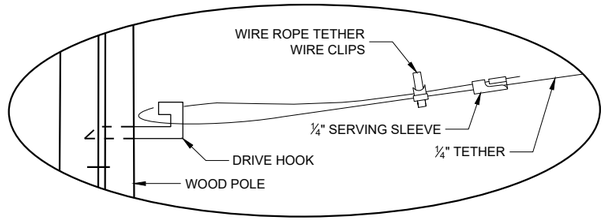
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 874

FHWA

6
SDD 09E06 - 05

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

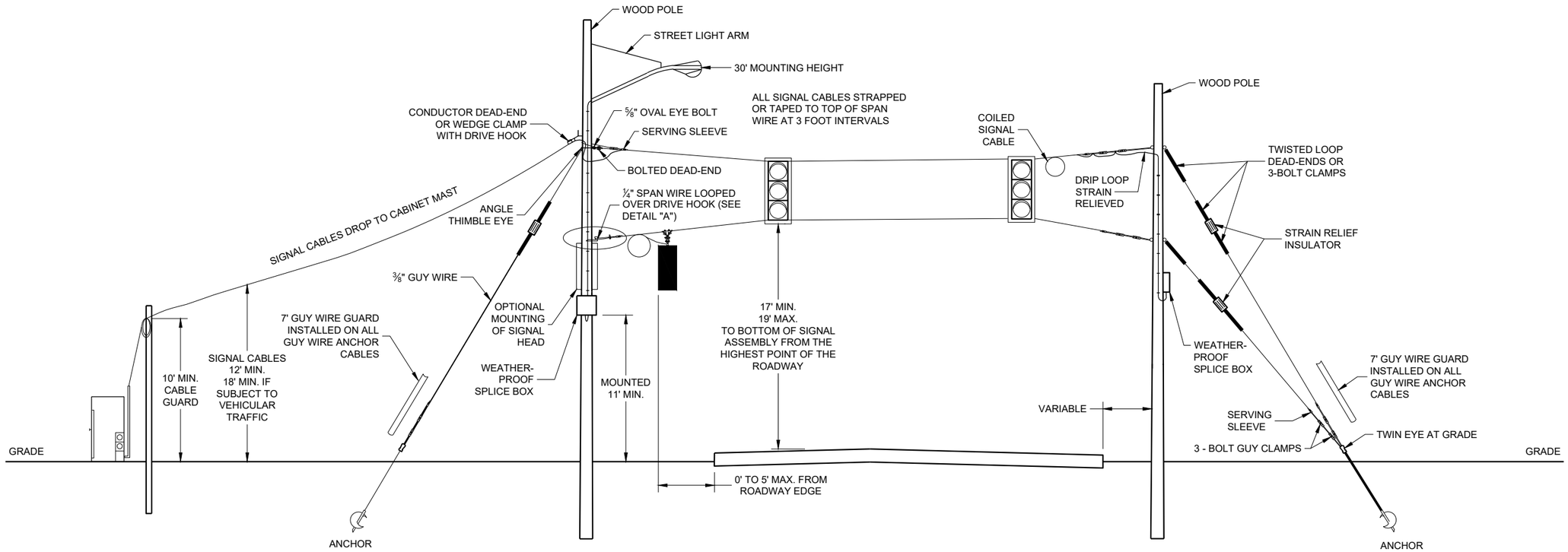


DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 875

FHWA

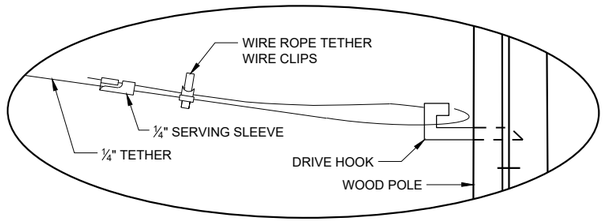
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SDD09G01 - 04a

6

SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

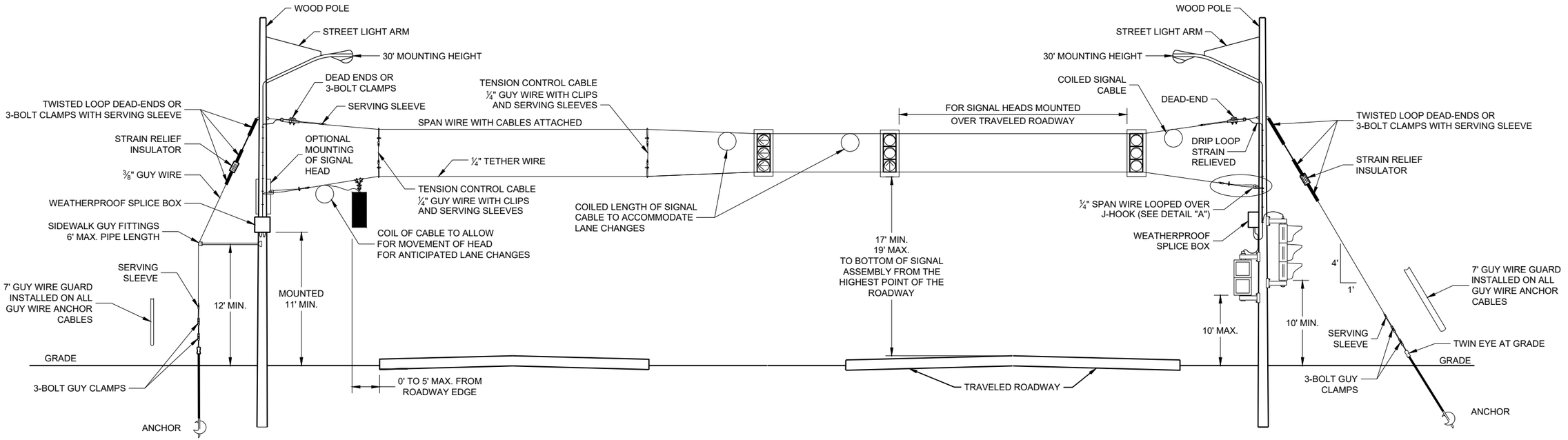


DETAIL "A"

GENERAL NOTES

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

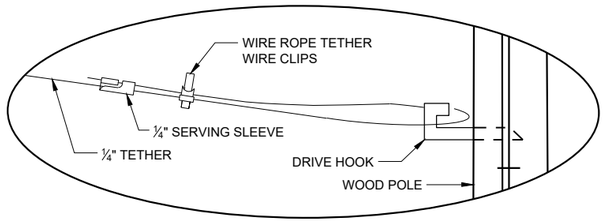
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 876
FHWA

6

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

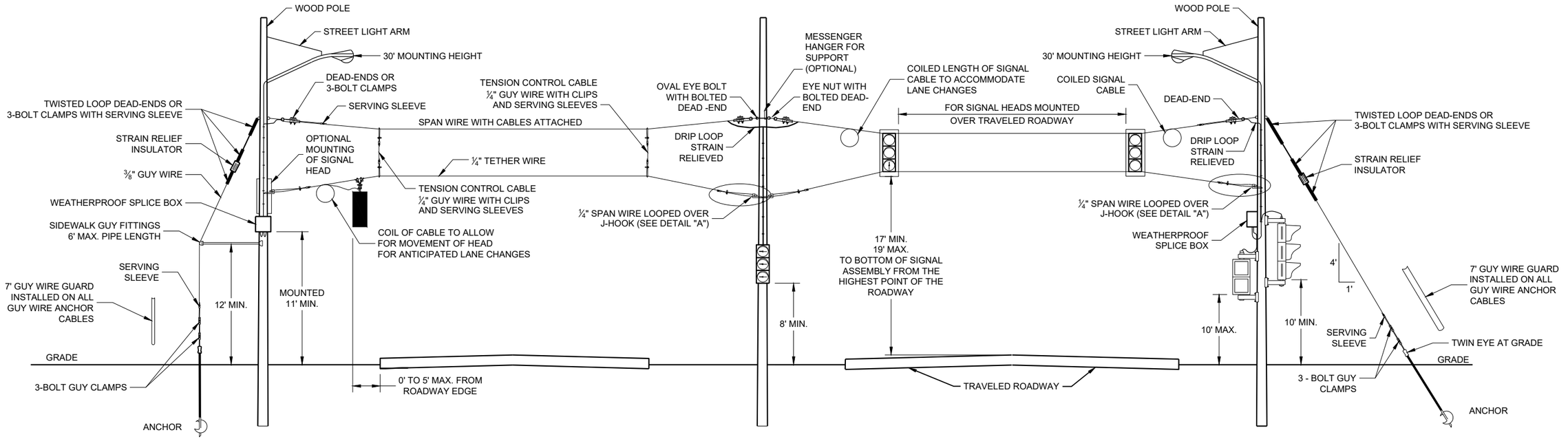


DETAIL "A"

GENERAL NOTES

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   - A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   - B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   - C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 877

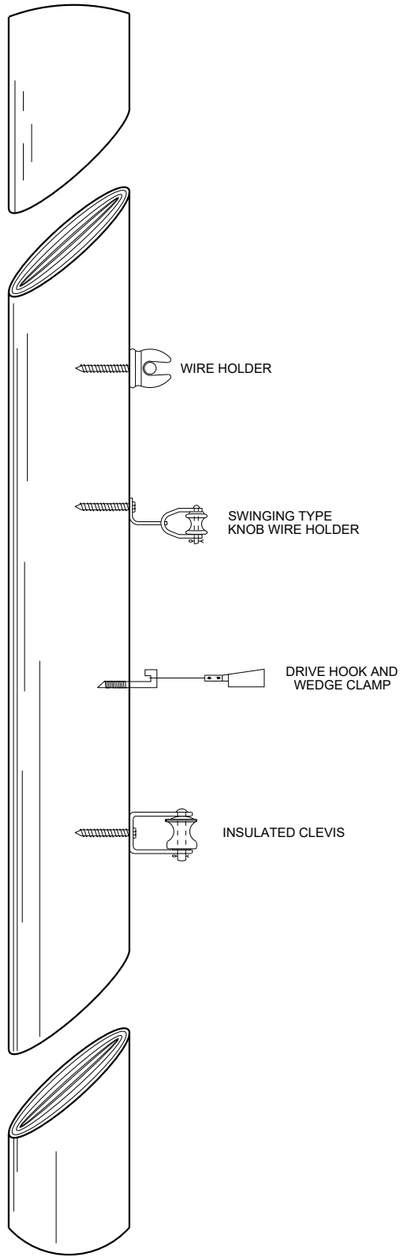
FHWA

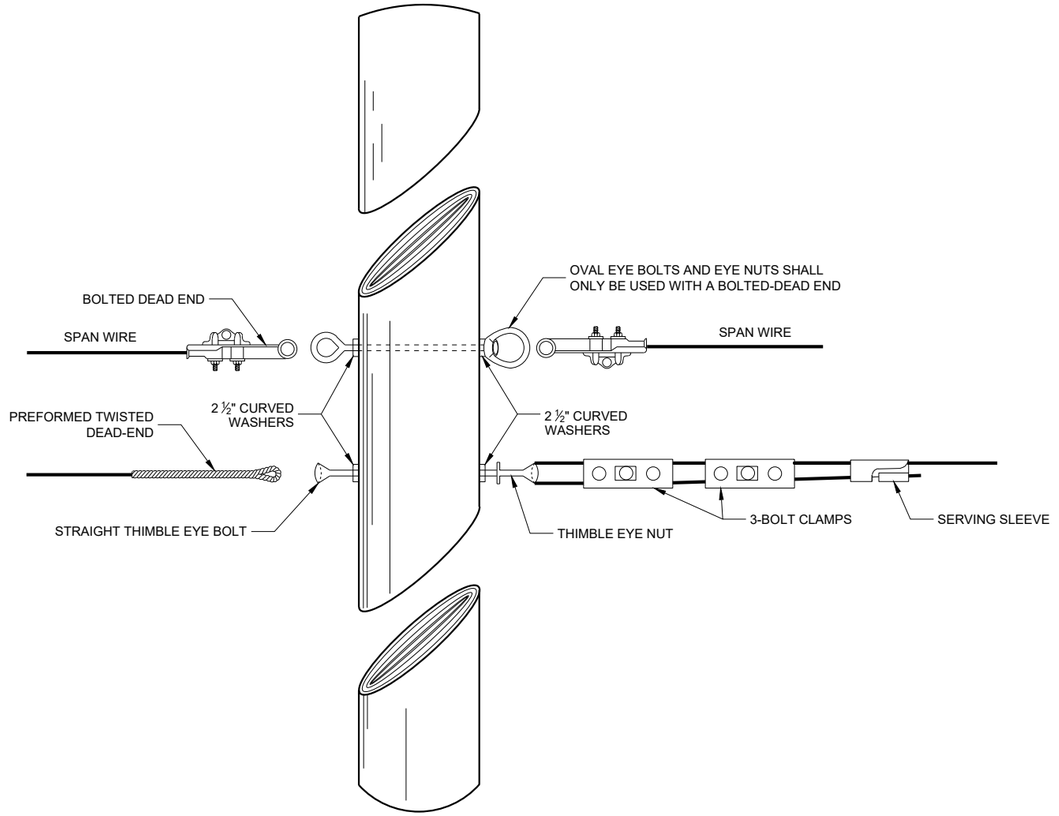
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SDD09G01 - 04c

SDD09G01 - 04c





SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

878

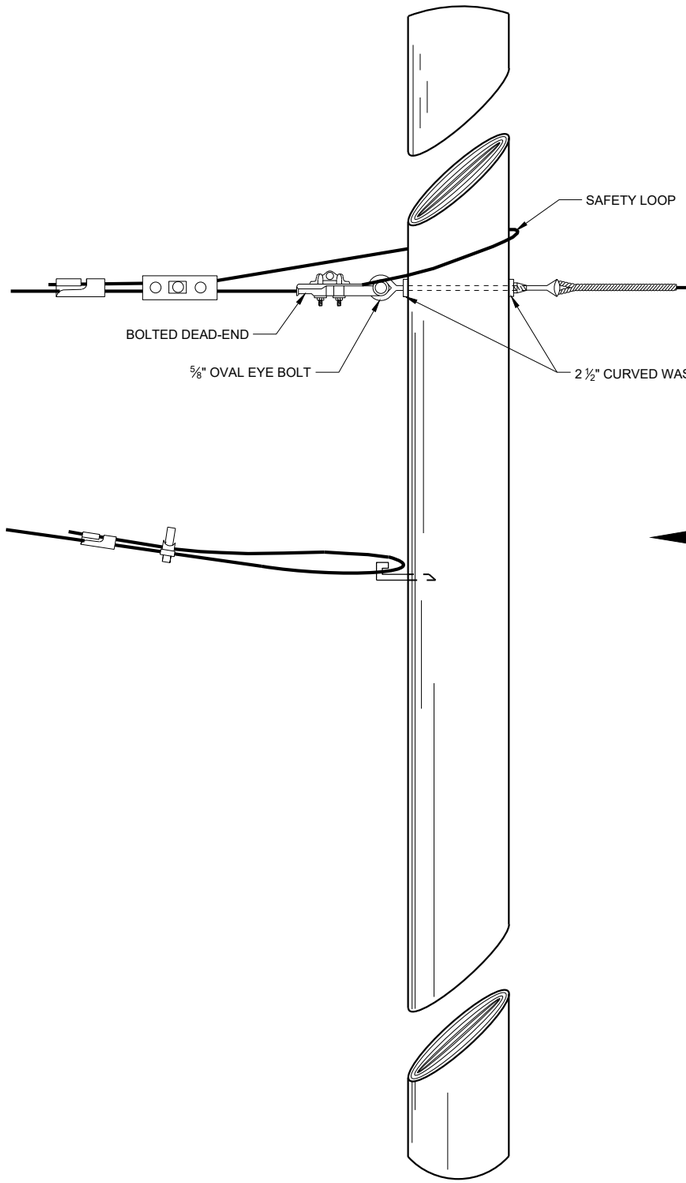
FHWA

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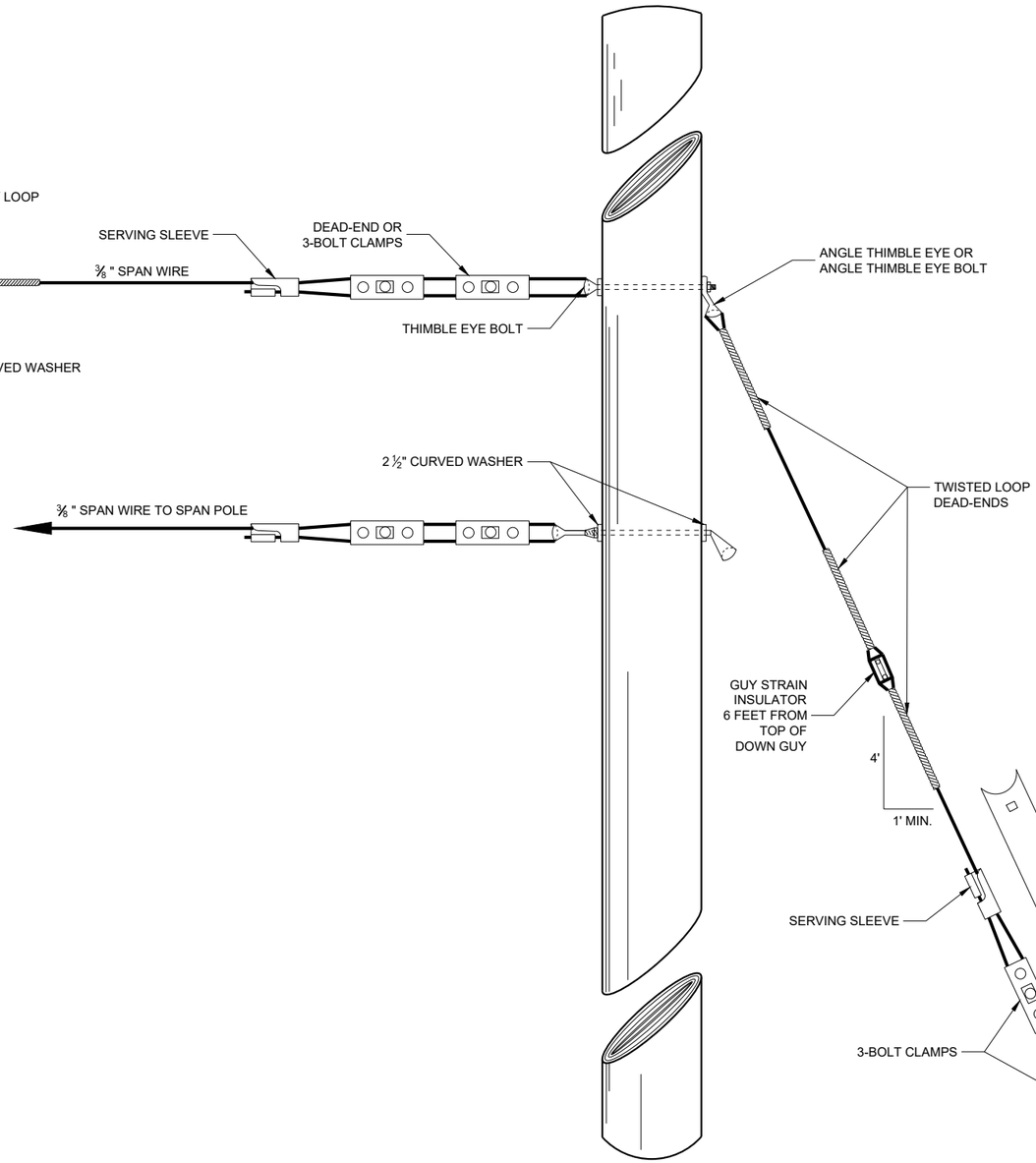
SDD 09G01 - 4d

GENERAL NOTES

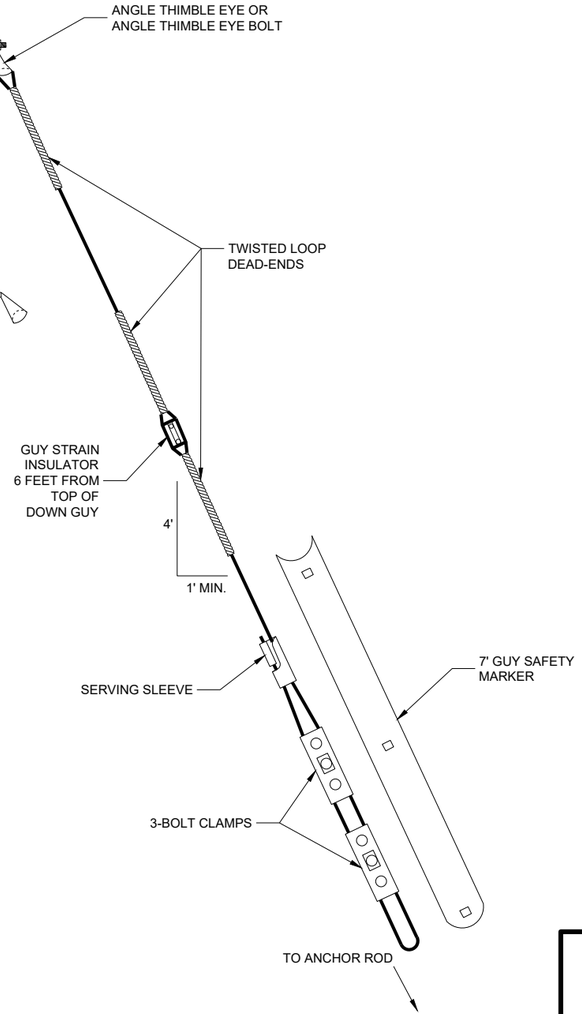
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

879

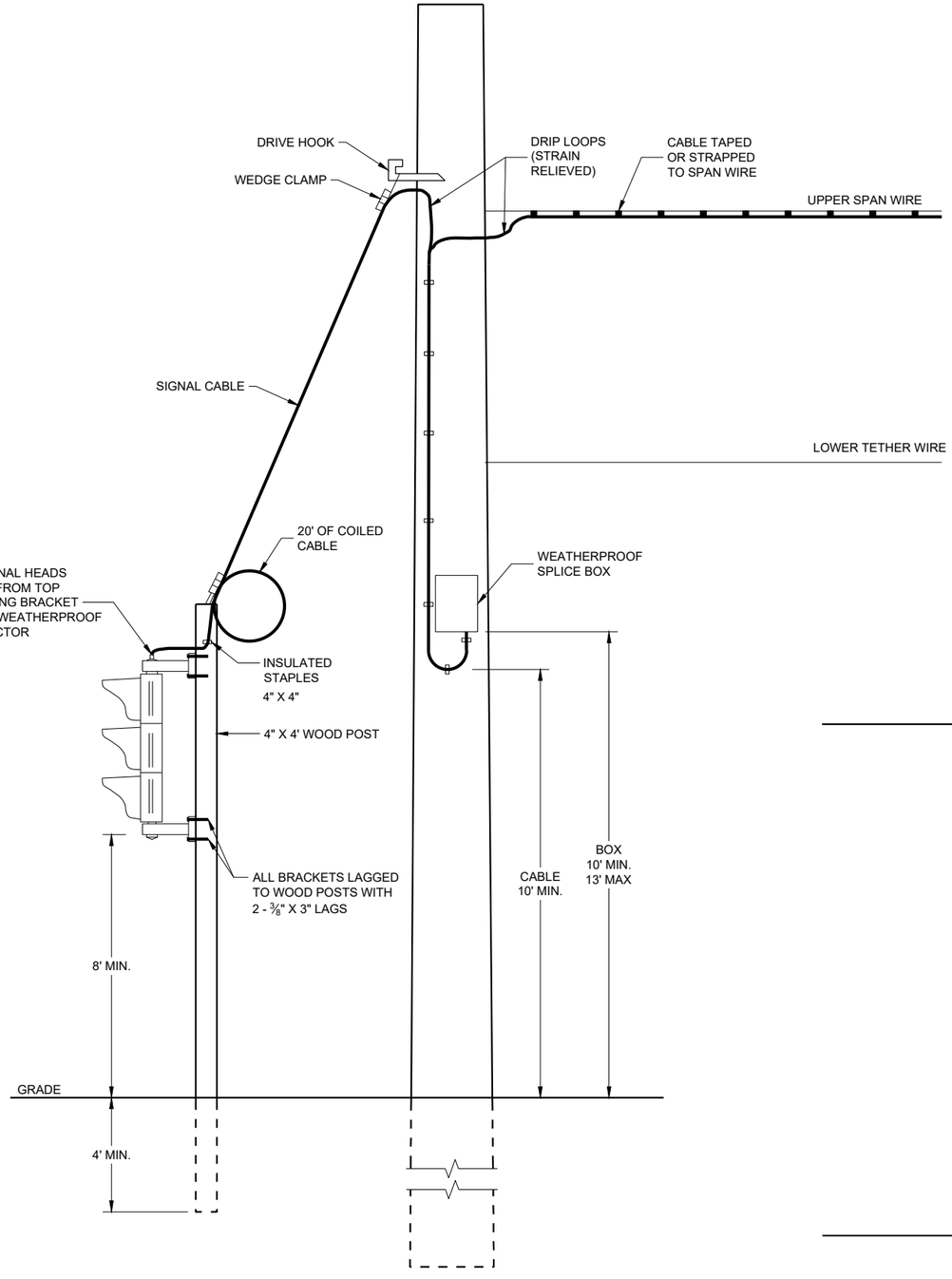
FHWA

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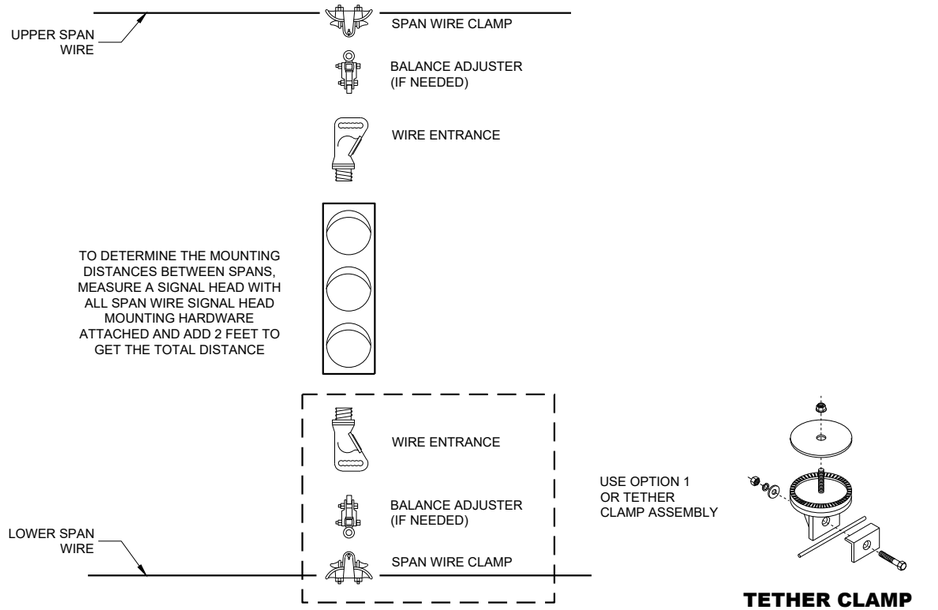
SDD 09G01 - 4e

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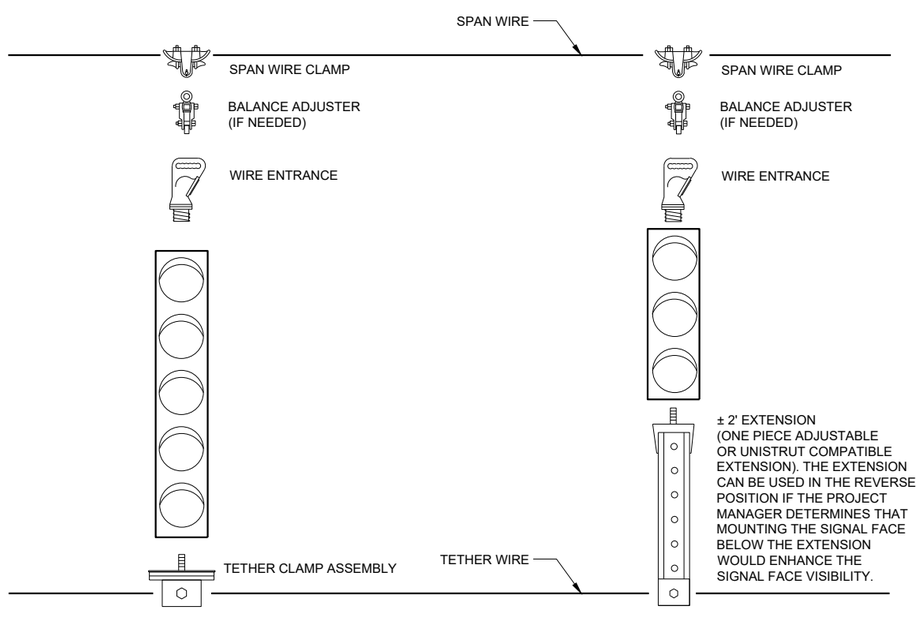
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



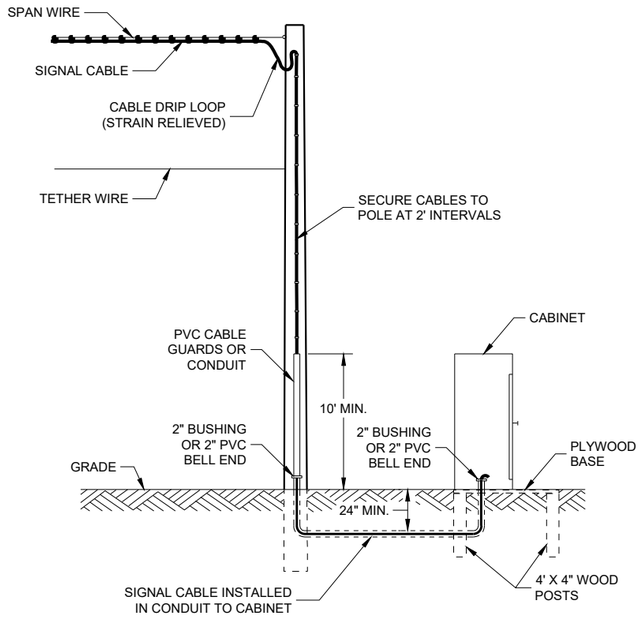
5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

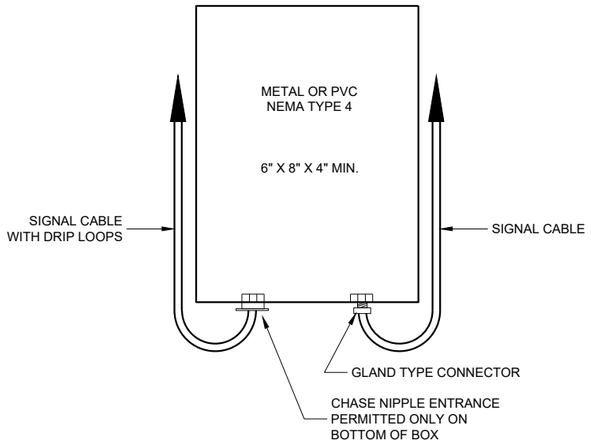
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

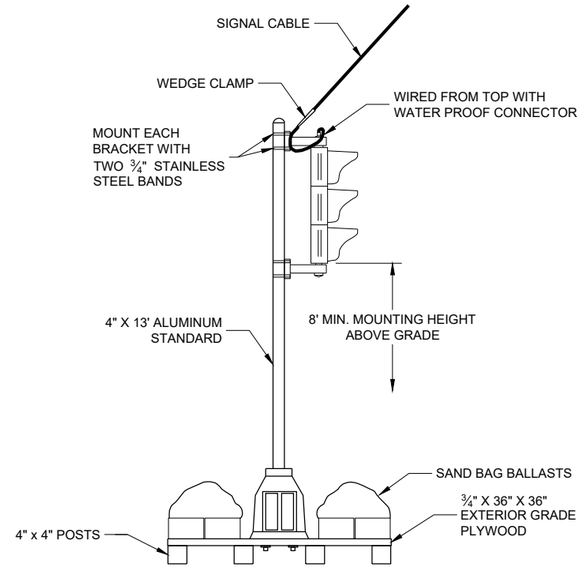
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
880
FHWA

6
SDD 09G01 - 4f

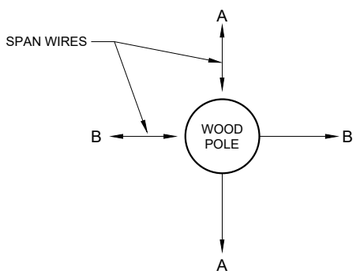




SPLICE BOX

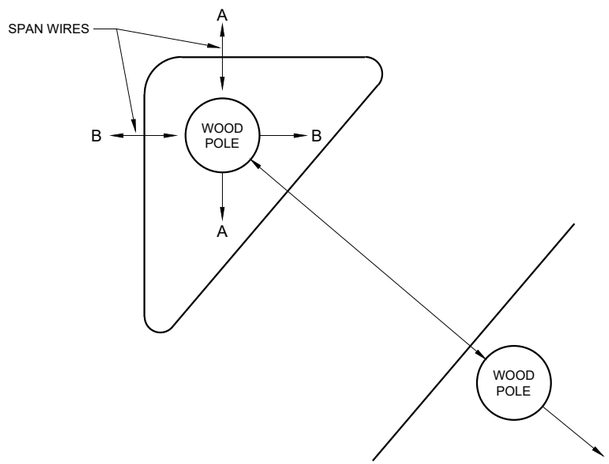


TYPICAL SKID TYPE TEMPORARY

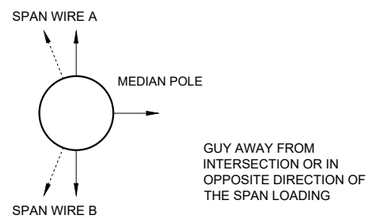


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

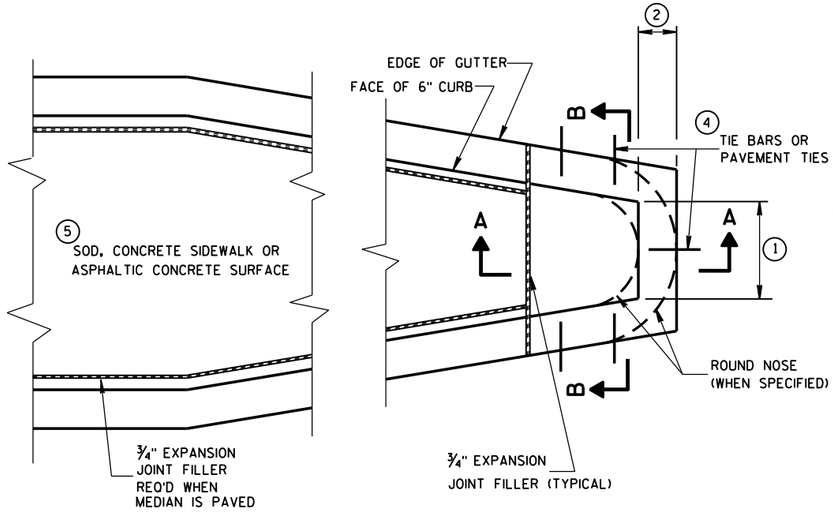
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

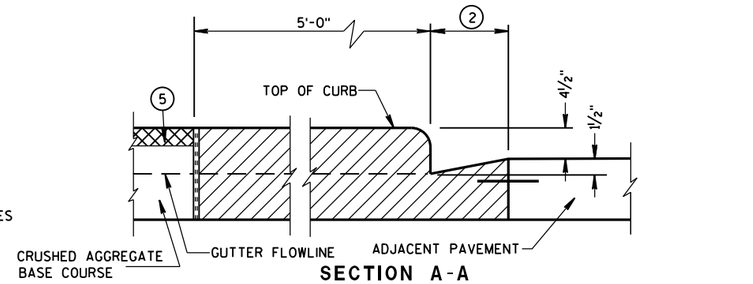
FHWA

881

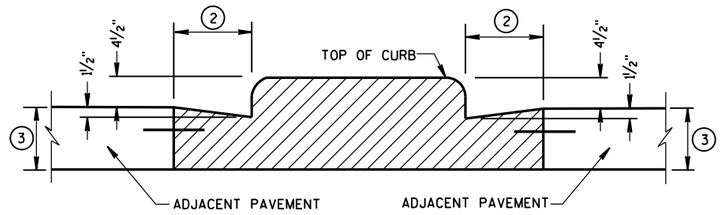
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SDD 09G01 - 4g





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

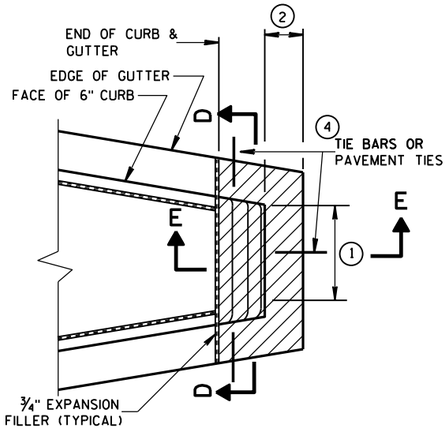
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

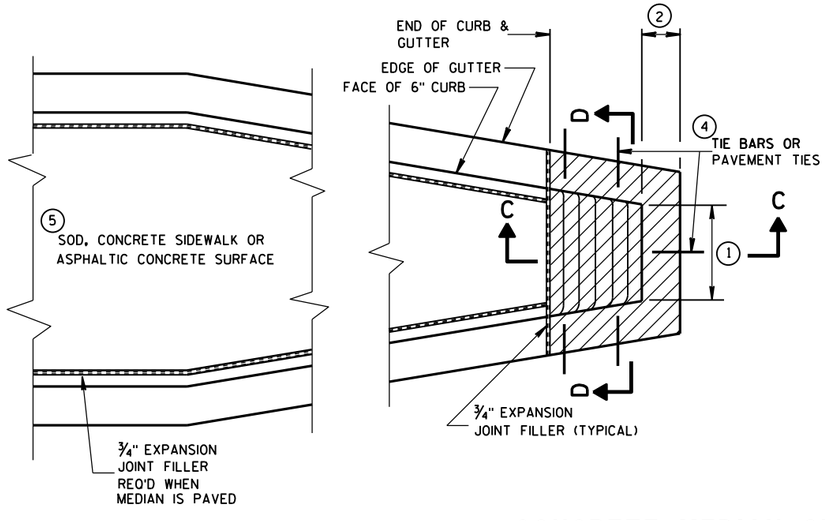
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

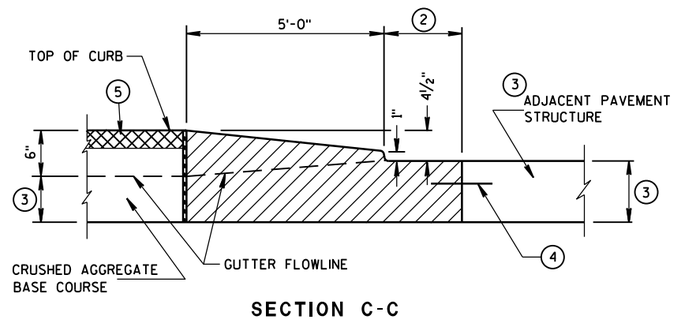
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

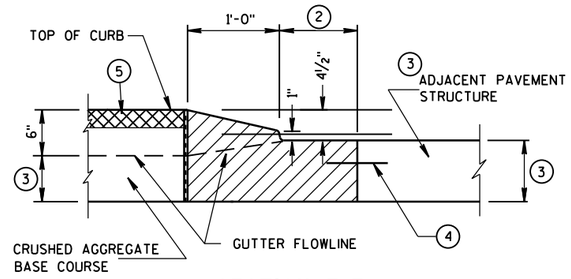




CONCRETE MEDIAN SLOPED NOSE TYPE 1

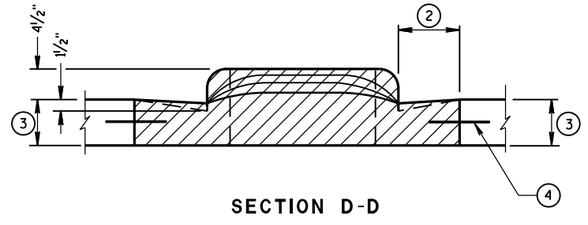


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2

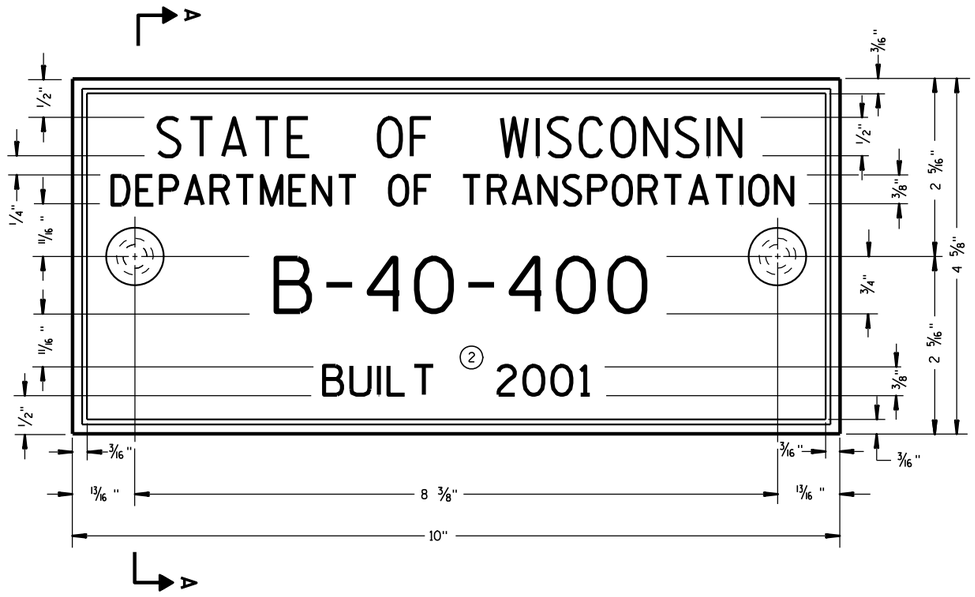


SECTION D-D

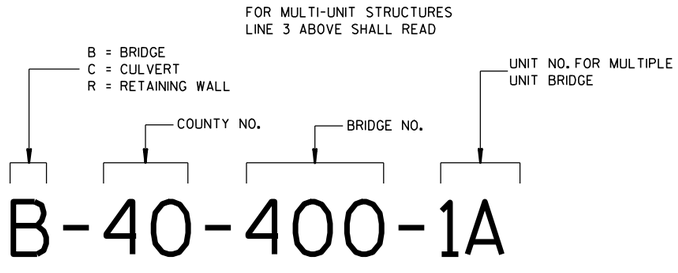
CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

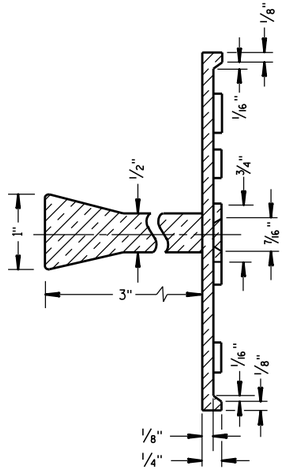
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

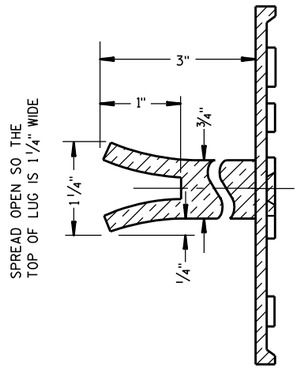
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

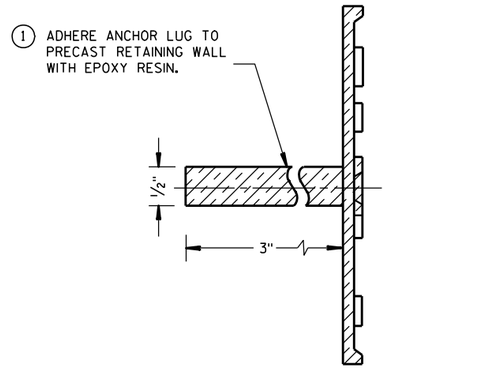
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG
(FOR ATTACHMENT TO PRECAST STRUCTURES)

NAME PLATE (STRUCTURES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

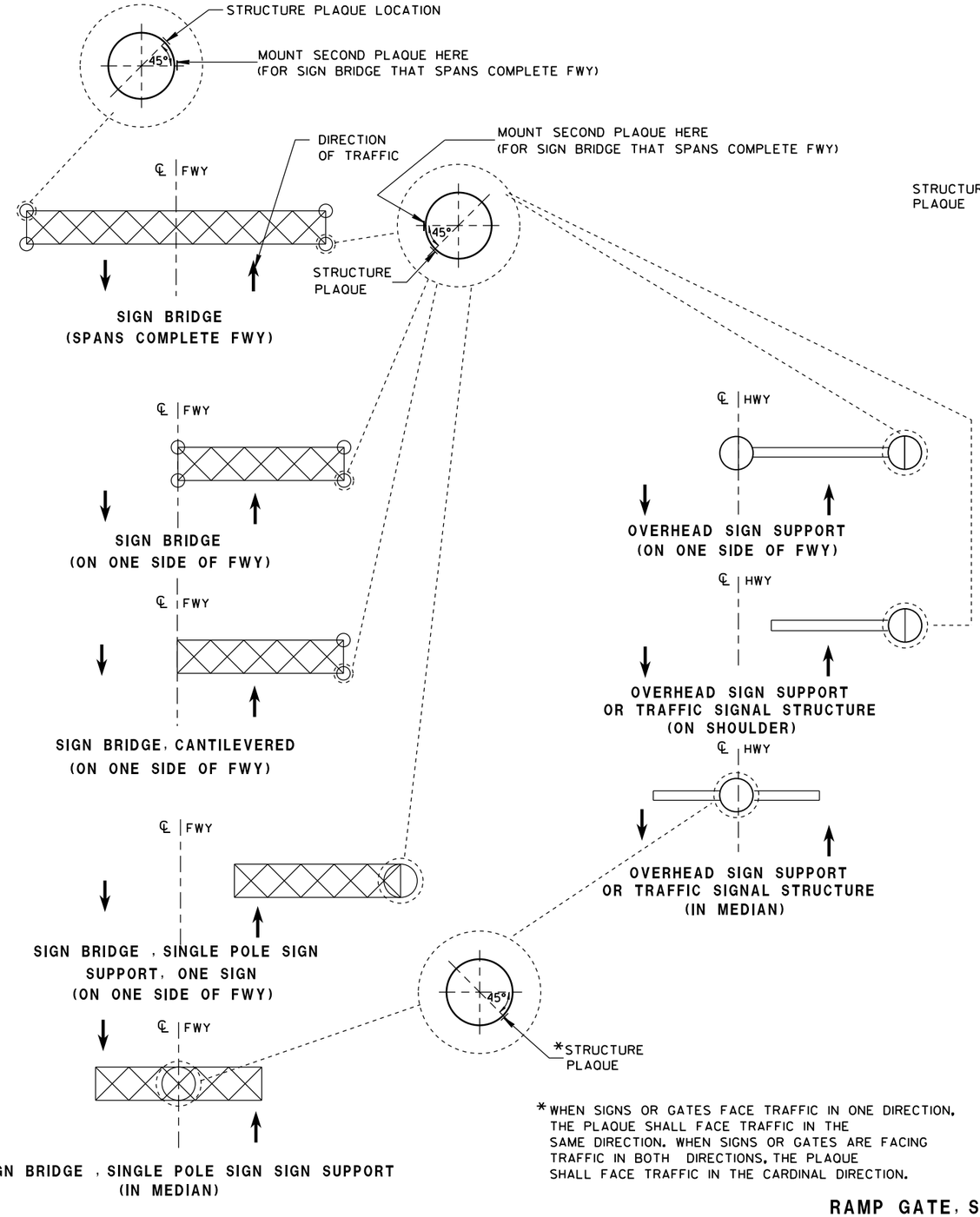
3/26/10 DATE

/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP 883 ENGINEER

FHWA

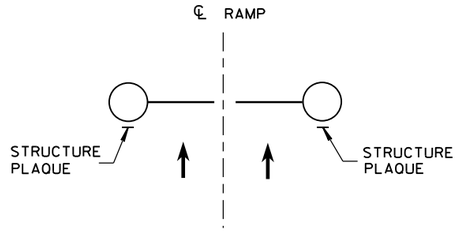
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S.D.D. 12 A 3-10

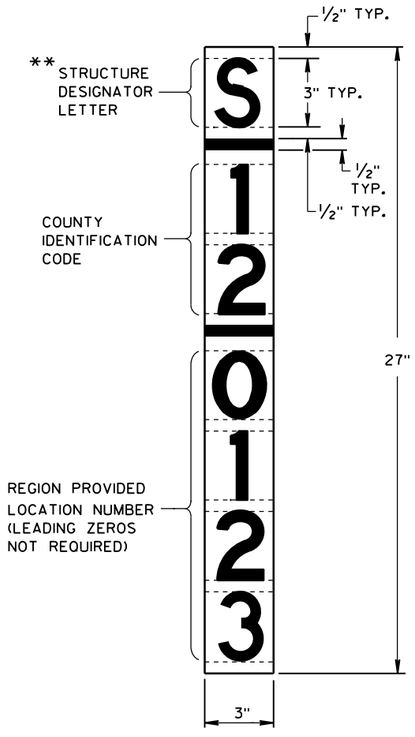


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN IN THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

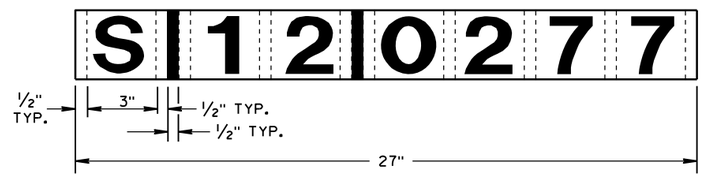
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

884 SIGN

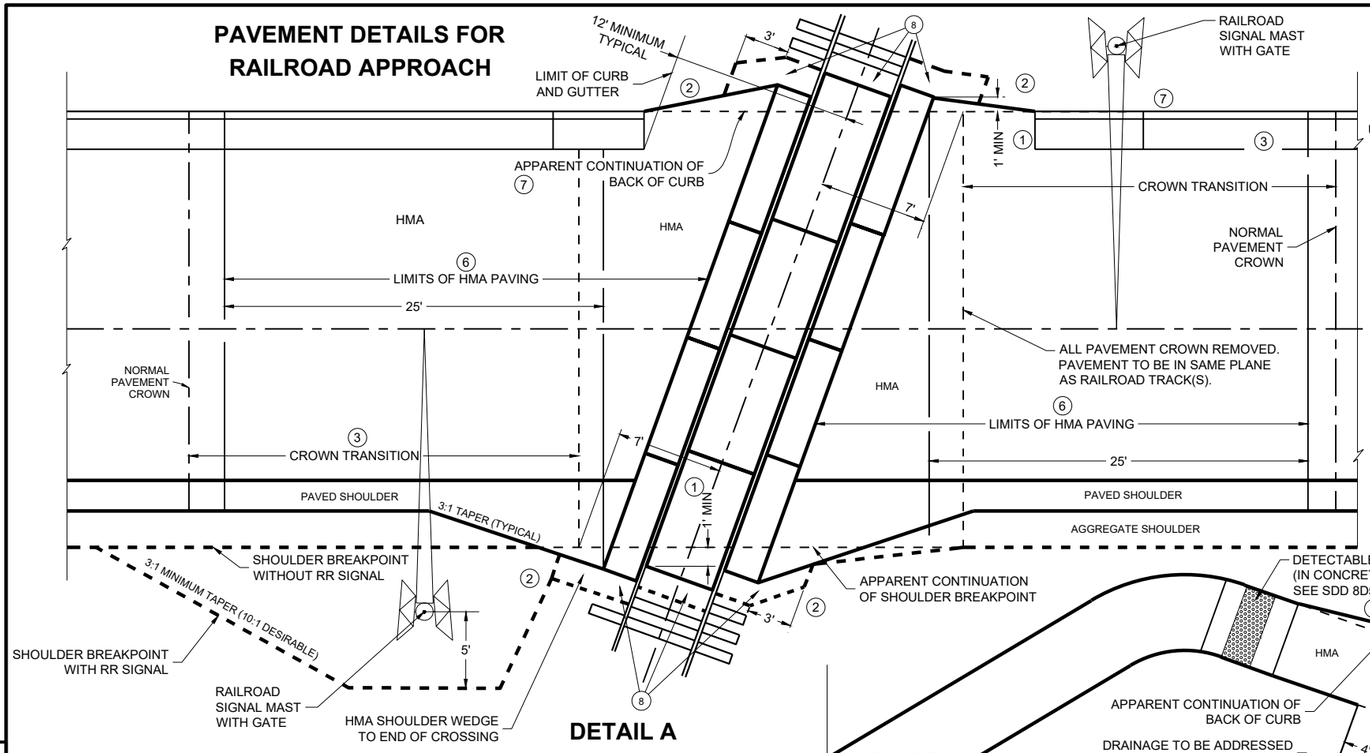
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S.D.D. 12 A 4-3

6

S.D.D. 12 A 4-3

PAVEMENT DETAILS FOR RAILROAD APPROACH



DETAIL A
RAILROAD APPROACH

GENERAL NOTES CONTINUED

(1) 1' MINIMUM CROSSING SURFACE COVERAGE PAST THE APPARENT CONTINUATION OF SHOULDER BREAKPOINT, BACK OF CURB, OR OUTSIDE EDGE OF SIDEWALK/PATH. INDIVIDUAL RAILROADS MAY HAVE DIFFERENT MINIMUM STANDARDS.

(2) HMA FLARE FROM OUTSIDE EDGE OF SIDEWALK/PATH, BACK OF CURB, OR AGGREGATE SHOULDER BREAKPOINT TO THE END OF CROSSING SURFACE MATERIAL.

(3) CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

(4) NEAR EDGE OF PATH TO THE CENTER OF SIGNAL OR GATE MAST SHOULD BE A MINIMUM OF 5'-0". FOR SIDEWALK, THE NEAR EDGE SHOULD BE A MINIMUM OF 3'-0" TO THE CENTER OF SIGNAL OR GATE. NEAR EDGE OF SIDEWALK TO A NON-GATED MAST OR CANTILEVER SHOULD BE A MINIMUM OF 2'-6". SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATION IF THEY ARE NOT ALREADY INSTALLED.

(5) TERRACE WIDTH VARIES. SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATIONS. PER PLAN OR PROJECT ENGINEER THE TERRACE AND SIDEWALK/PATH GRADES SHALL BE TRANSITIONED TO MATCH THE GRADE OF THE TRACK. FIELD FIT TO AVOID PONDING.

(6) 25' MINIMUM HMA PAVING MEASURED PARALLEL TO THE ROAD OR 10' MINIMUM MEASURED PERPENDICULAR TO THE TRACK FROM THE EDGE OF THE CROSSING SURFACE, WHICHEVER IS GREATER.

(7) REFERENCE SDD 8-D-01 END SECTION CURB AND GUTTER. MEDIAN END NEAR THE TRACK SHOULD BE PARALLEL TO THE TRACK. 6'-0" TAPER FOR A MEDIAN SHOULD BE REDUCED TO GET FULL HEIGHT CURB WHERE THE GATE COMES DOWN. DESIGN OPTION TO POUR MEDIAN TAPER IN ONE PIECE. BUILD PER PLAN UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL G.

GENERAL NOTES

PLANS AND SECTIONS ARE TYPICAL. DIMENSIONS VARY PER PROJECT.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, PROJECT PLANS, AND THE APPLICABLE SPECIAL PROVISIONS.

CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS DIRECTED OTHERWISE. IF THE FINAL GRADES DON'T MATCH TO THE PLAN GRADES THEN GRADE ADJUSTMENTS WILL BE NECESSARY. CONFIRM NEW GRADES WITH PROJECT ENGINEER.

HMA PAVEMENT APPROACHES, HMA PAVEMENT CROSSING SURFACES, AND HMA FLANGEWAY/FIELD FILLERS TO BE REPLACED BY ROADWAY CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE PLANS, SPECIAL PROVISIONS, RAILROAD ENGINEER, OR PROJECT ENGINEER.

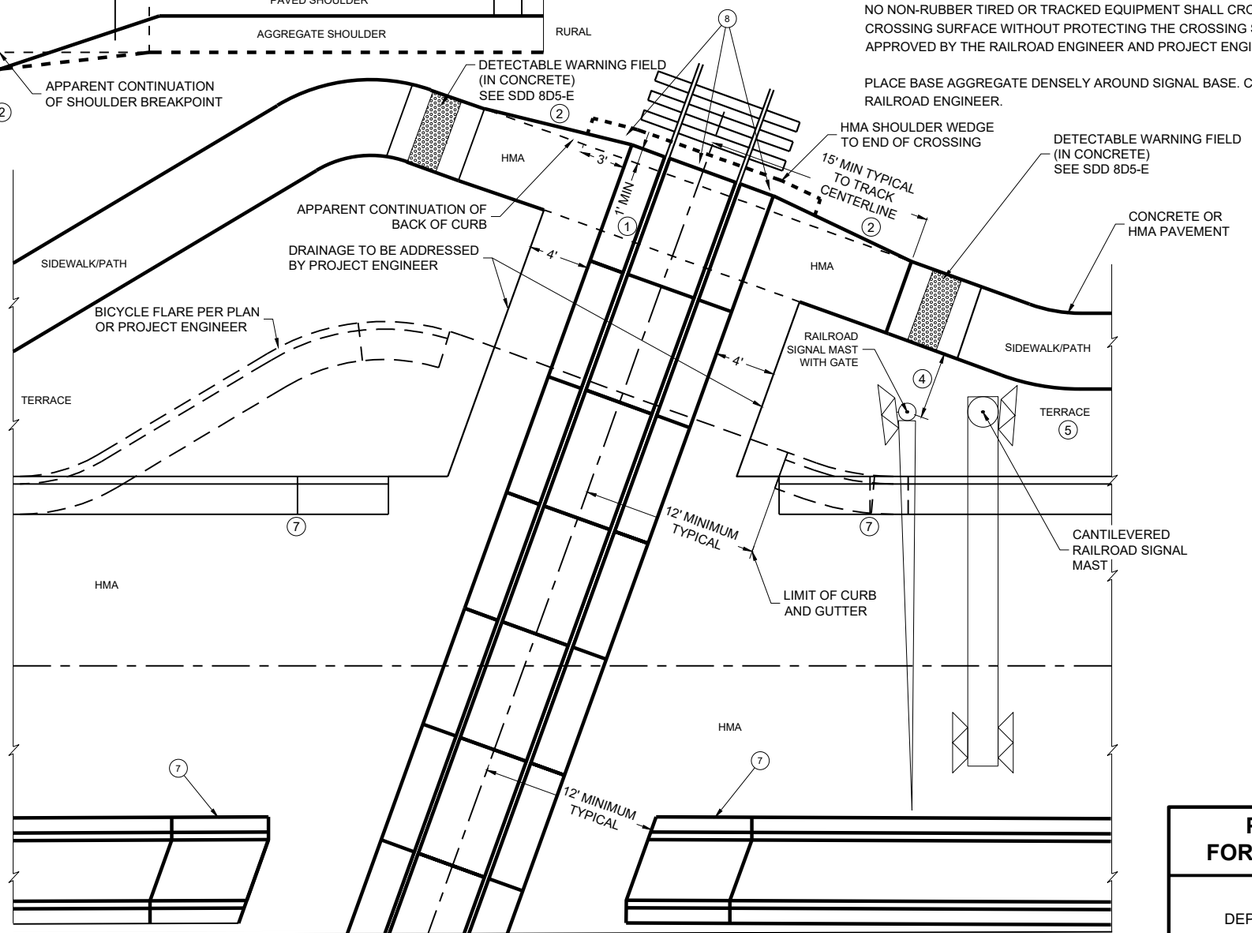
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

WHEN THERE IS A SIDEWALK OR SHARED-USE PATH, ADD DETECTABLE WARNING FIELDS PER CURRENT STANDARD DETAIL DRAWING 8D5-E.

THE CROSSING SHALL NOT BE OPENED TO ANY TYPE OF TRAFFIC UNTIL IT IS FULLY PAVED AND COOLED SUFFICIENTLY UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

NO NON-RUBBER TIRED OR TRACKED EQUIPMENT SHALL CROSS OR SIT ON THE CROSSING SURFACE WITHOUT PROTECTING THE CROSSING SURFACE WITH A METHOD APPROVED BY THE RAILROAD ENGINEER AND PROJECT ENGINEER.

PLACE BASE AGGREGATE DENSELY AROUND SIGNAL BASE. COORDINATE WITH THE RAILROAD ENGINEER.



DETAIL B
MEDIAN AND SIDEWALK/SHARED-USE PATH APPROACH

PAVEMENT DETAILS FOR RAILROAD APPROACH

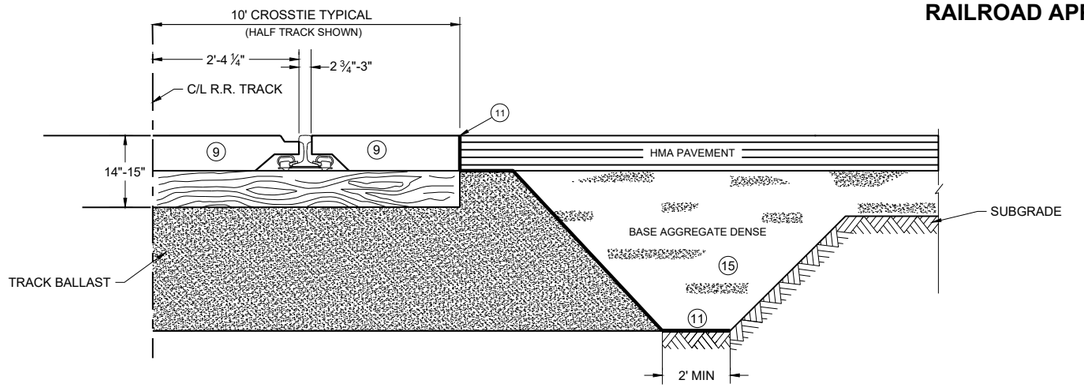
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

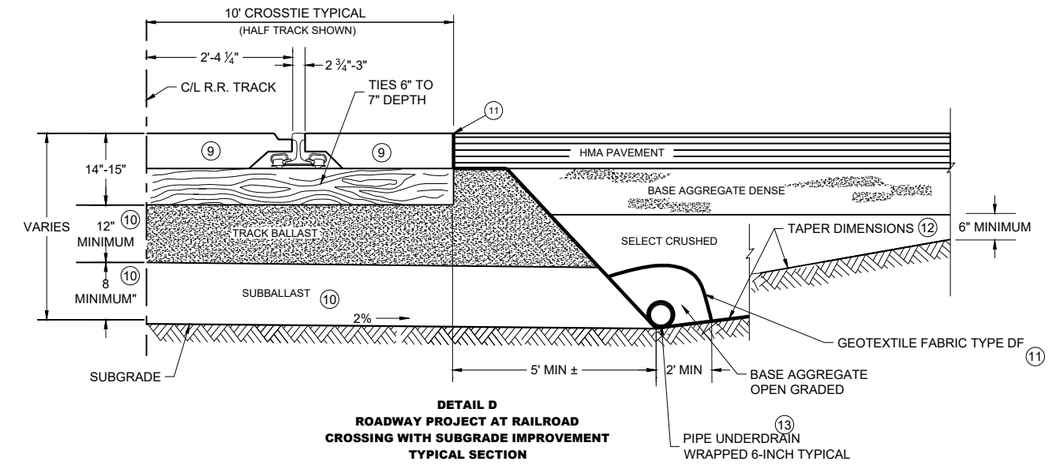
/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

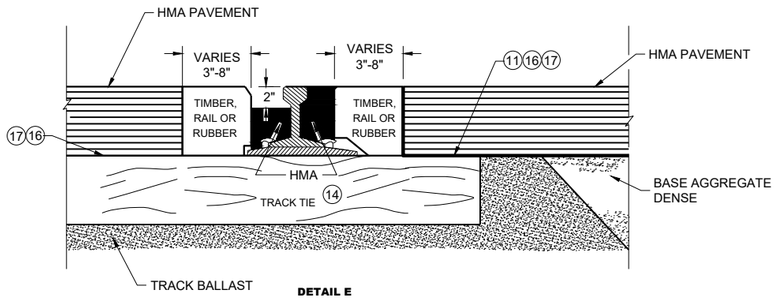
TYPICAL SECTIONS FOR RAILROAD APPROACH



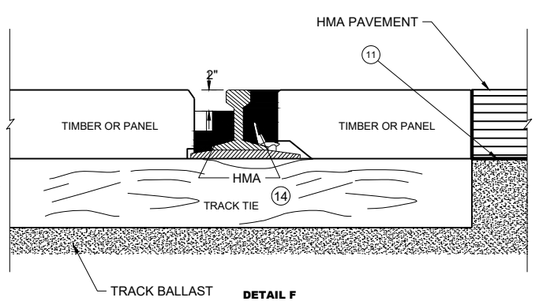
DETAIL C
ROADWAY PROJECT AT RAILROAD
CROSSING WITHOUT SUBGRADE IMPROVEMENT
TYPICAL SECTION



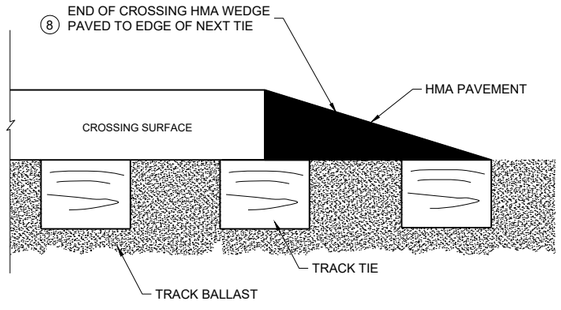
DETAIL D
ROADWAY PROJECT AT RAILROAD
CROSSING WITH SUBGRADE IMPROVEMENT
TYPICAL SECTION



DETAIL E
TIMBER, RAIL OR RUBBER SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL F
PANEL SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL G
END OF CROSSING HMA WEDGE

GENERAL NOTES

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL A AND B.

(9) MATCH THE CROSSING TYPE THAT IS INSTALLED UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER.

(10) TRACK BALLAST AND SUBBALLAST REQUIRED 12" AND 8" MINIMUM DEPTHS RESPECTIVELY. DIMENSION FROM BOTTOM OF TRACK TIE TO HIGH SIDE OF 2% SLOPE. THE 2% SLOPE IS REQUIRED ON RAILROAD SUBBALLAST. SEE PLAN FOR CROWN, MATERIAL THICKNESS, AND SLOPE DIRECTION. SUBBALLAST CAN BE HMA, 1 1/2" BASE AGGREGATE DENSE, SELECT CRUSHED, OR A COMBINATION OF THEM.

(11) GEOTEXTILE FABRIC TYPE SAS PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION ON TOP OF THE TRACK BALLAST WHERE IT IS UNDER HMA PAVEMENT, BASE AGGREGATE DENSE OR SELECT CRUSHED MATERIAL AND THE FIELD SIDE BALLAST CRIBS. GEOTEXTILE FABRIC TYPE DF PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION UNDER AND AROUND THE PIPE UNDERDRAIN. PLACING GEOTEXTILE FABRIC OR GEOGRID UNDER THE SUBBALLAST IS OPTIONAL.

(12) TAPER DIMENSIONS PROVIDED BY PLAN OR BY PROJECT ENGINEER.

(13) IF SHOWN ON THE PLAN, TYPICAL 6-INCH PERFORATED PVC SCHEDULE 80 PIPE UNDERDRAIN TO BE PLACED ALONG THE TOE OF SLOPE, GRADED TO DRAIN AND DAYLIGHT OR INTO STORM SEWER. BASE AGGREGATE OPEN GRADED OVER PIPE UNDERDRAIN AND THEN WRAPPED IN GEOTEXTILE FABRIC TYPE DF SCHEDULE A IN ORDER TO STABILIZE AND SEPARATE FROM SELECT CRUSHED.

(14) HMA FLANGEWAY AND FIELD FILLERS ARE TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR, WHEN NOT PROVIDED BY OTHERS AS PART OF THE CROSSING SURFACE MATERIAL. IF THE CROSSING SURFACE IS NOT BEING REPLACED, THEN REMOVE AND REPLACE THE HMA FLANGEWAY AND FIELD FILLERS AS DIRECTED BY THE RAILROAD OR PROJECT ENGINEER.

(15) GRADE TO MATCH EXISTING OR PROPOSED TYPICAL SECTION OF ROADWAY. SEE PLAN OR PROJECT ENGINEER FOR MORE DETAIL. IF NOT NOTED OTHERWISE IN THE PLAN, BACKFILL ANY REMOVED BASE AND SUBGRADE WITH BASE AGGREGATE DENSE.

(16) IF THE CROSSING IS NOT BEING REPLACED, REMOVE AND REPLACE HMA AS DIRECTED BY RAILROAD AND PROJECT ENGINEER. CARE MUST BE TAKEN TO NOT DAMAGE CROSSING PANELS, TIES, RAIL, PLATES AND SPIKES.

(17) PLACE HMA FULL DEPTH. AGGREGATE IS NOT TO BE PLACED BETWEEN THE RAILROAD TIES AND THE HMA PAVEMENT.

TYPICAL SECTIONS FOR RAILWAY APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

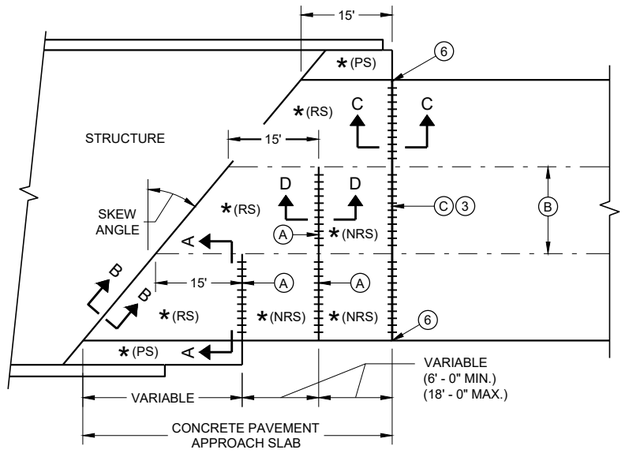
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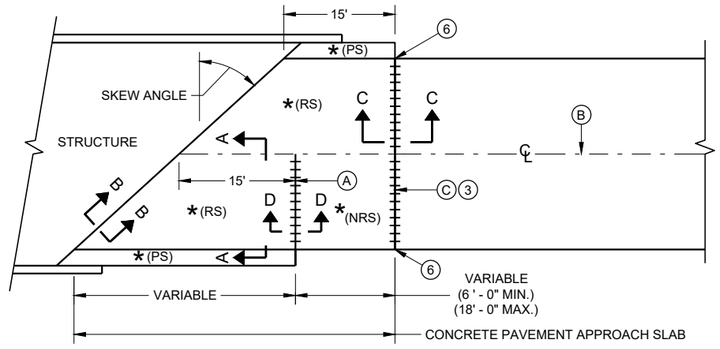
SDD 13B01-11b

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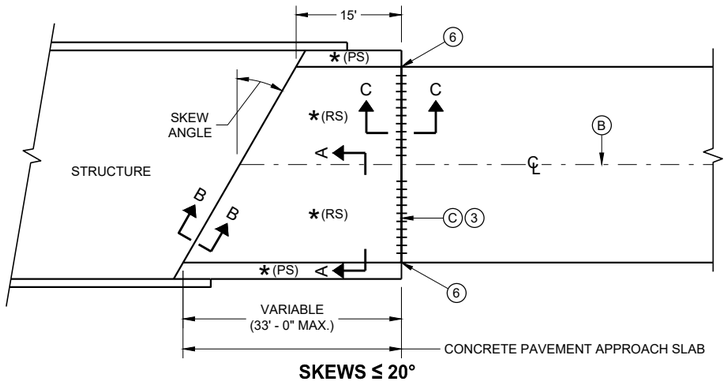
SDD 13B01-11b



SKEWED APPROACH
(PAVEMENT MORE THAN TWO LANES)



SKEWS > 20°
(PAVEMENT WIDTH ≤ 30')



SKEWS ≤ 20°
(PAVEMENT WIDTH ≤ 30')

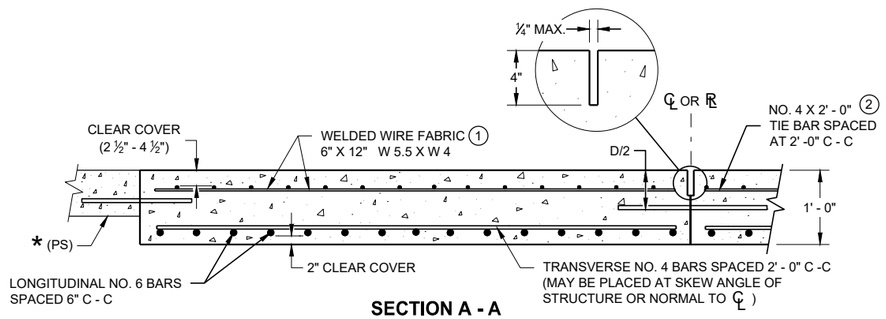
APPROACH SLAB AND ADJACENT PAVEMENT

* (RS) = REINFORCED CONCRETE SLAB

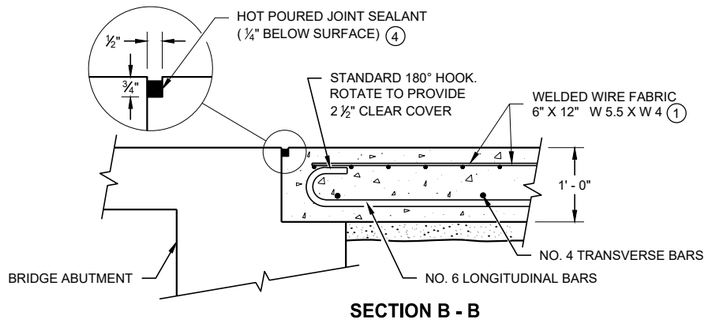
* (PS) = PAVED CONCRETE SHOULDER OR CONCRETE DRAINAGE SLAB

* (NRS) - NON - REINFORCED CONCRETE SLAB

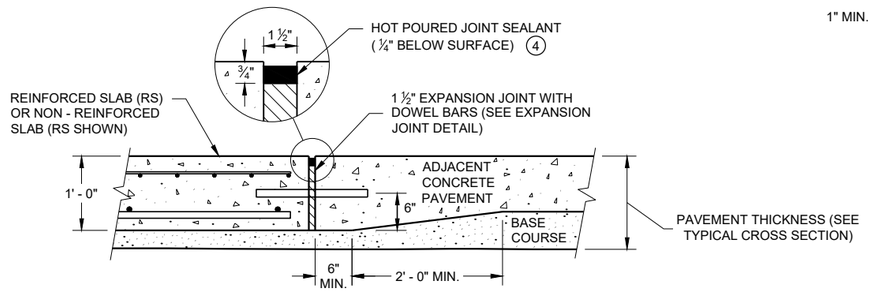
*** STANDARD DOWEL BAR DIAMETER (SEE SDD 13C11 AND SDD 13C13)



SECTION A - A
REINFORCEMENT POSITIONING DETAIL



SECTION B - B
BEND DETAIL
BOTTOM REINFORCEMENT



SECTION C - C
TRANSITION DETAIL
APPROACH SLAB TO ADJACENT PAVEMENT

GENERAL NOTES

THE CONTRACTOR MAY SPLICE NO. 6 BARS IN THE APPROACH SLAB FOR SKEWED STRUCTURES ONLY. STAGGER SPLICES WITH A MAXIMUM OF ONE SPLICE PER BAR. THE LENGTH OF LAP IS 20 INCHES.

TACK WELD DOWEL BARS TO THE BASKETS ON ALTERNATE ENDS.

(1) THE CONTRACTOR MAY USE NO. 4 BARS SPACED AT 2' - 0 " C - C IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS FOR TOP REINFORCEMENT AS AN ALTERNATIVE TO THE WELDED WIRE FABRIC.

(2) THE CONTRACTOR MAY OMIT THE BARS BETWEEN REINFORCED SLABS WHERE SLAB REINFORCEMENT BARS EXTEND ACROSS THE CENTERLINE OR REFERENCE LINE.

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) USE A JOINT SEALANT CONFORMING TO STANDARD SPECIFICATION 415.2.6.

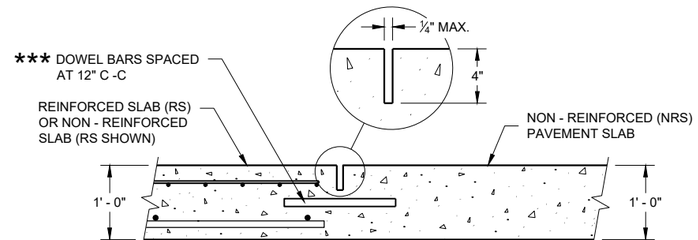
(5) PLACE EXPANSION CAP ON THE END OF THE DOWEL THAT IS NOT TACK WELDED TO THE BASKET. DO NOT FORCE DOWEL BAR PAST THE DOWEL STOP.

(6) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

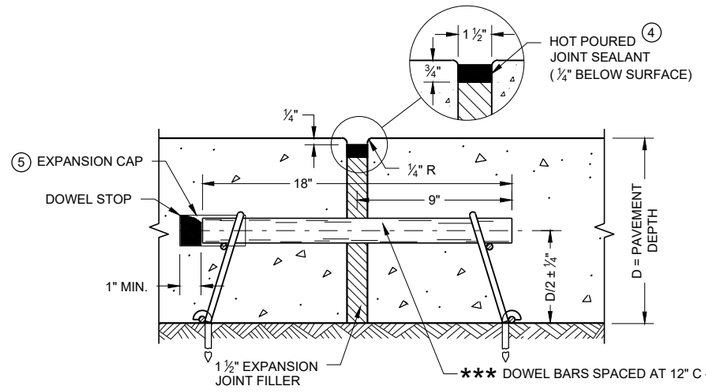
(A) STANDARD CONTRACTION JOINT NORMAL TO ℄ OR ℞.

(B) STANDARD LONGITUDINAL JOINT WITH TIE BARS.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞ .



SECTION D - D
CONTRACTION JOINT



EXPANSION JOINT DETAIL

CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISOR

887

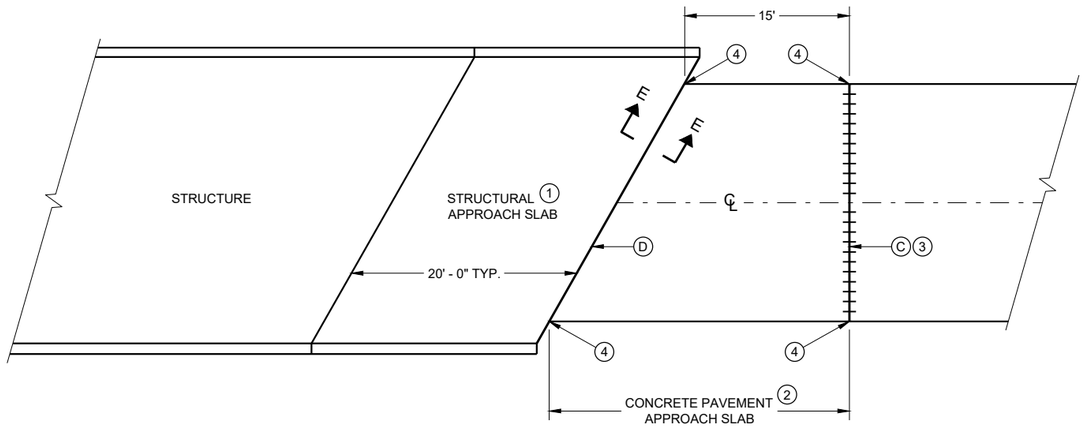
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SDD 13B02 - 09a

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SDD 13B02 - 09a



BRIDGE APPROACHES

GENERAL NOTES

ALL PROJECTS THAT INVOLVE A STRUCTURAL APPROACH SLAB WILL ALSO HAVE A CONCRETE PAVEMENT APPROACH SLAB.

(1) SEE BRIDGE PLAN.

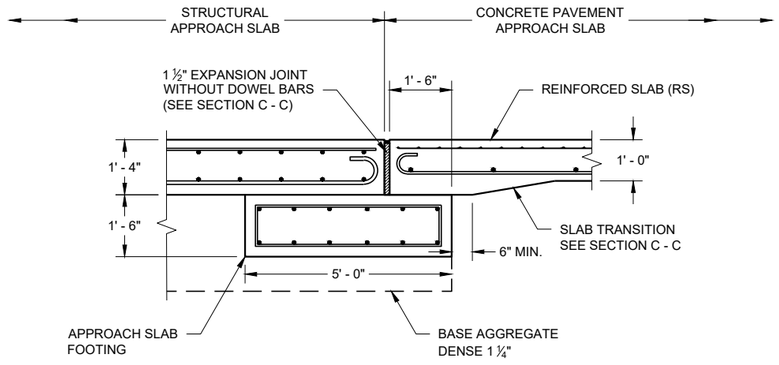
(2) CONFORM TO SDD 13B02 SHEET A FOR CONCRETE PAVEMENT APPROACH SLAB DETAILS

(3) DO NOT CONSTRUCT AN EXPANSION JOINT OR INSTALL DOWEL BARS WHEN ABUTTING AN HMA PAVEMENT.

(4) EXTEND EXPANSION JOINT THROUGH ANY ADJACENT TIED CONCRETE.

(C) 1 ½" EXPANSION JOINT WITH DOWEL BARS NORMAL TO ℄ OR ℞.

(D) 1 ½" EXPANSION JOINT (NO DOWELS)



SECTION E - E
FOOTING DETAIL
STRUCTURAL APPROACH SLAB TO CONCRETE BRIDGE APPROACH

STRUCTURAL APPROACH SLAB AND CONCRETE PAVEMENT APPROACH SLAB

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

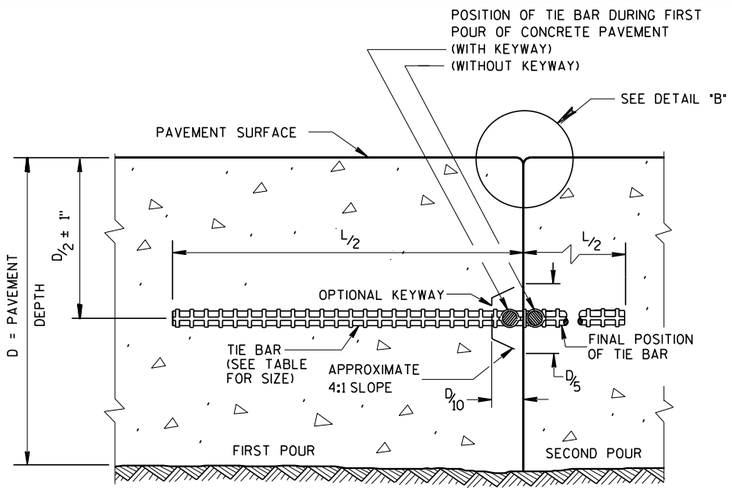
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR

888

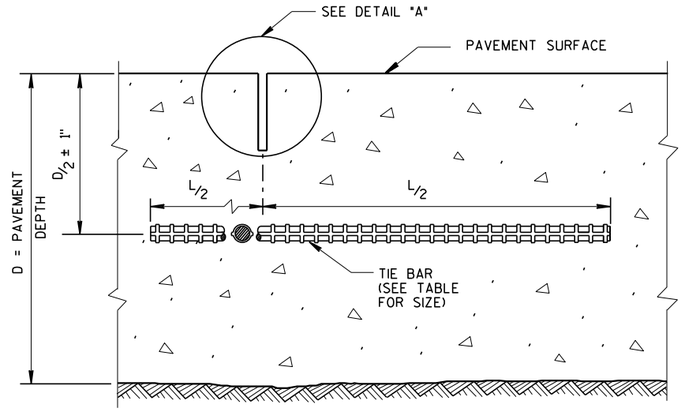
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SDD 13B02 - 09b



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp PE
PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19

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S.D.D. 13 C 1-19

GENERAL NOTES

PCCP = PORTLAND CEMENT CONCRETE PAVEMENT.

SHLDR = SHOULDER.

CONTINUE SAW CUT CONTRACTION JOINT ACROSS TURN LANE, EXIT TAPER AND PASSING LANE.

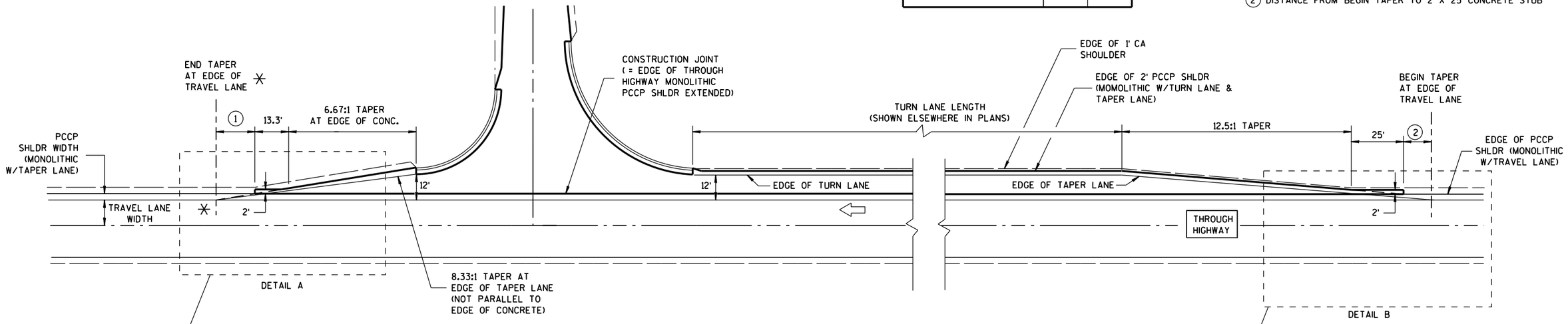
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

THROUGH HIGHWAY LANE WIDTH AND PCCP SHOULDER WIDTH ARE SHOWN ELSEWHERE IN PLANS

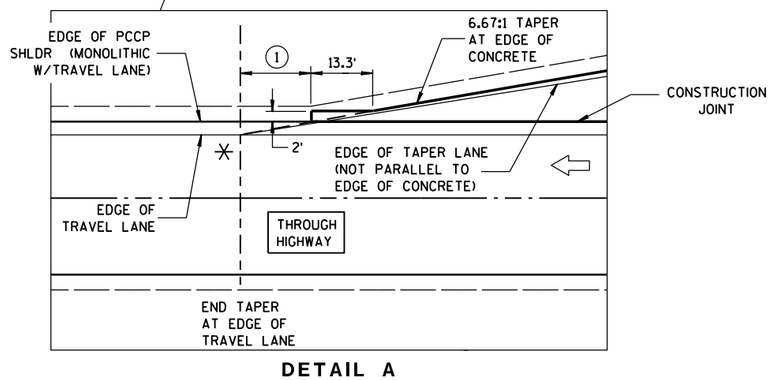
(1) DISTANCE FROM END TAPER TO 2' X 13.3' CONCRETE STUB

(2) DISTANCE FROM BEGIN TAPER TO 2' X 25' CONCRETE STUB

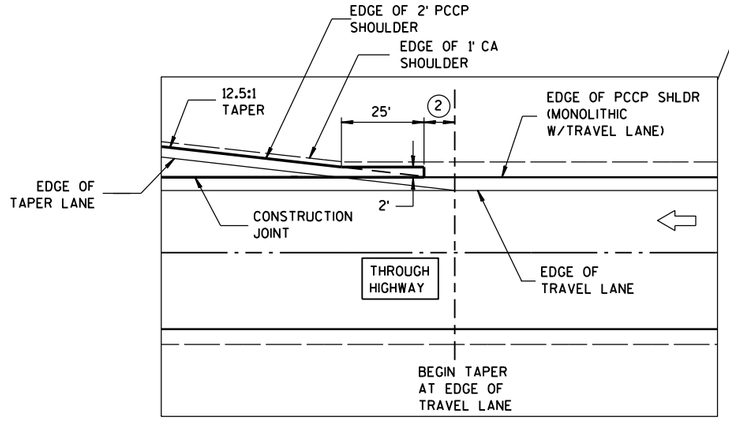
THROUGH HIGHWAY MONOLITHIC PCCP SHOULDER WIDTH (FEET)	DISTANCE (FEET) (1)	DISTANCE (FEET) (2)
2	13.3	0.0
3	20.0	12.5
TAPER RATE : 1	6.67	12.5



✳ NOTE: EDGE OF CONCRETE TAPER (EXTENDED) & EDGE OF TAPER LANE CONVERGE



DETAIL A



DETAIL B

RIGHT TURN LANE AND EXIT TAPER

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

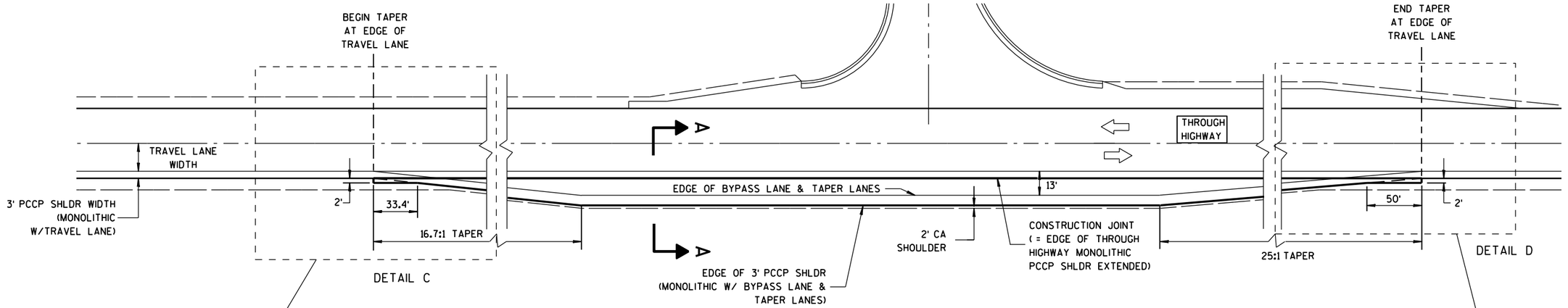
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

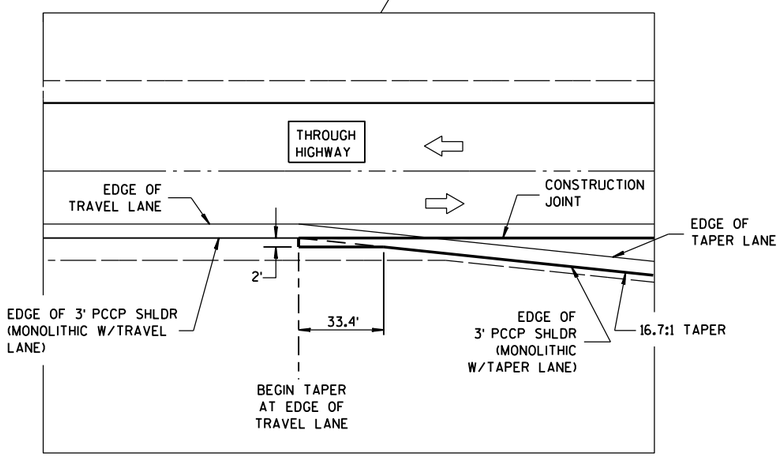
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S.D.D. 13 C 16-2a

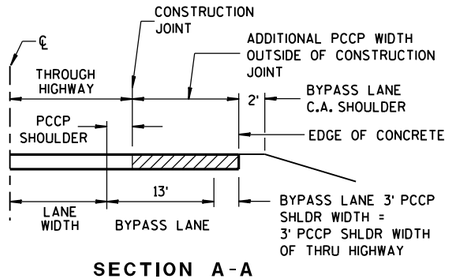
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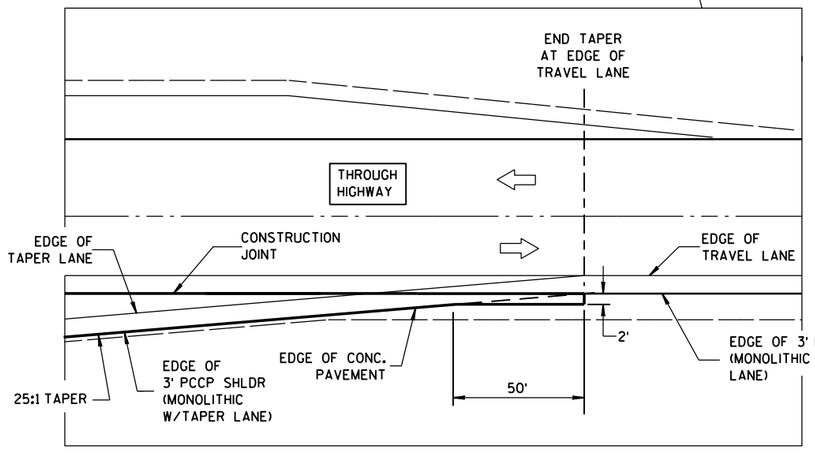


DETAIL C



SECTION A-A

(SHOWING BYPASS LANE AND SHOULDER)



DETAIL D

TWO LANE UNDIVIDED HIGHWAY TEE INTERSECTION BYPASS LANE

DETAIL FOR RIGHT TURN LANE/ TEE INTERSECTION BYPASS LANE ON A CONCRETE ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/18/12 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

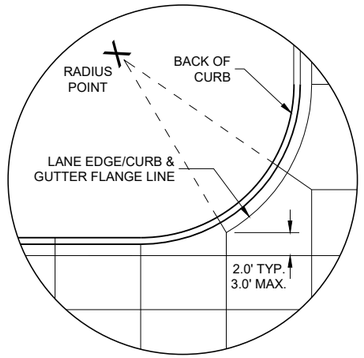
FHWA

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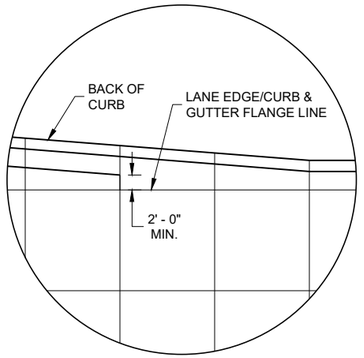
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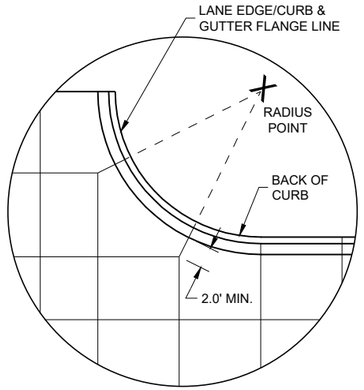
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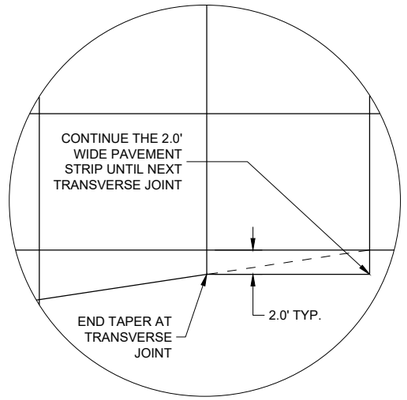
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

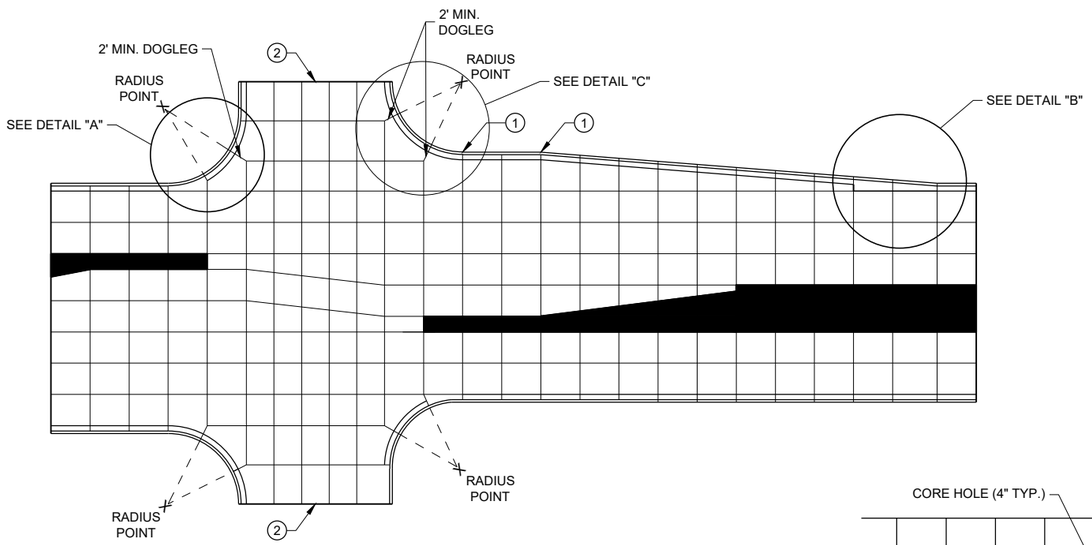
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

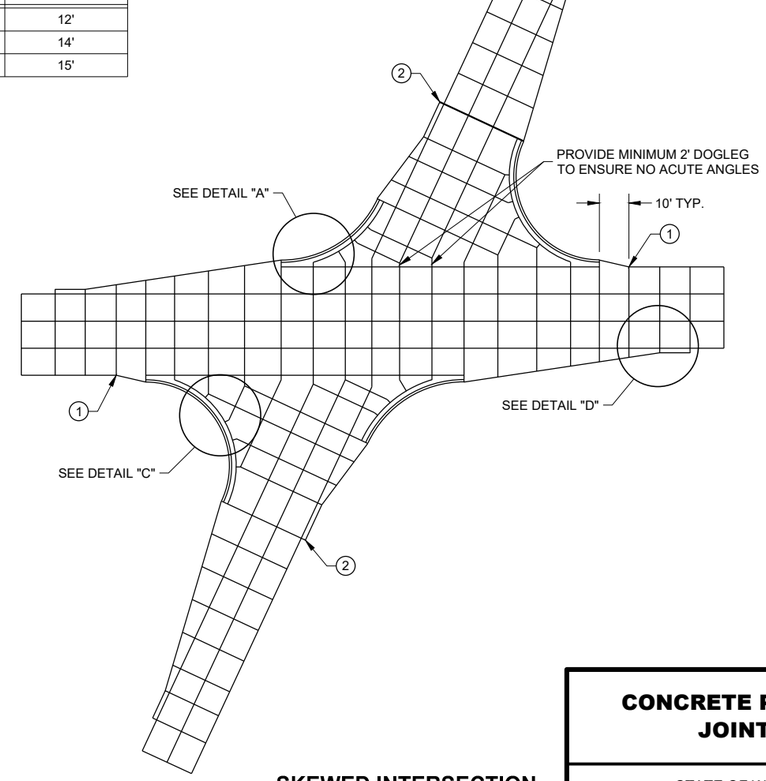
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



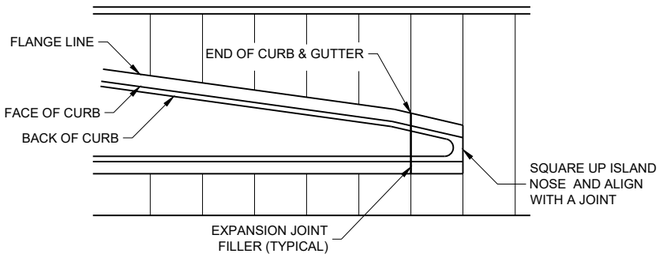
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

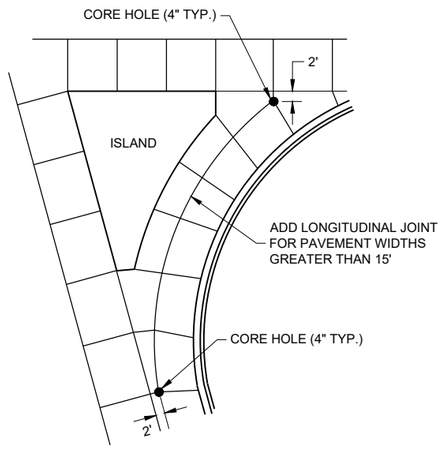
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

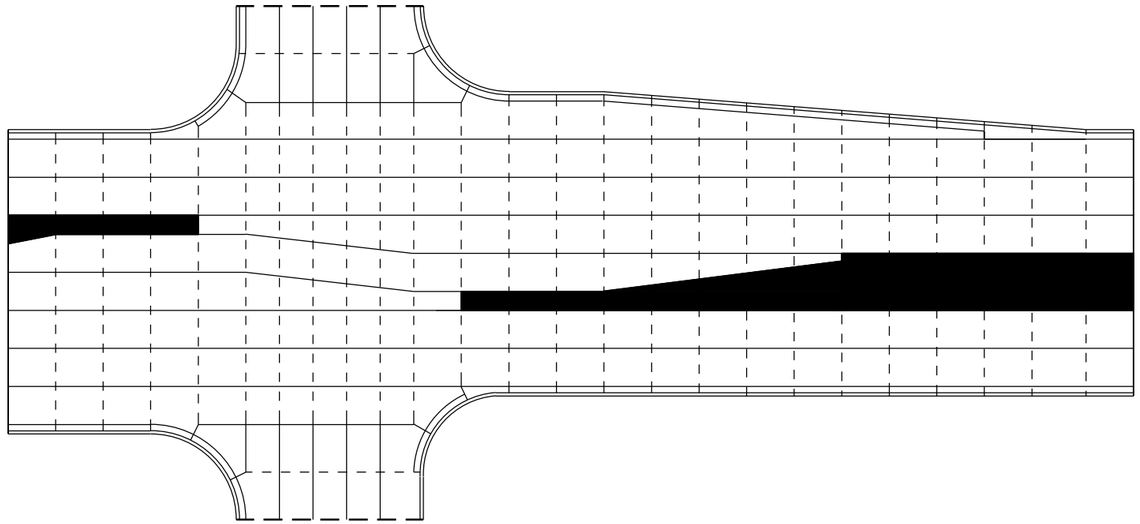
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

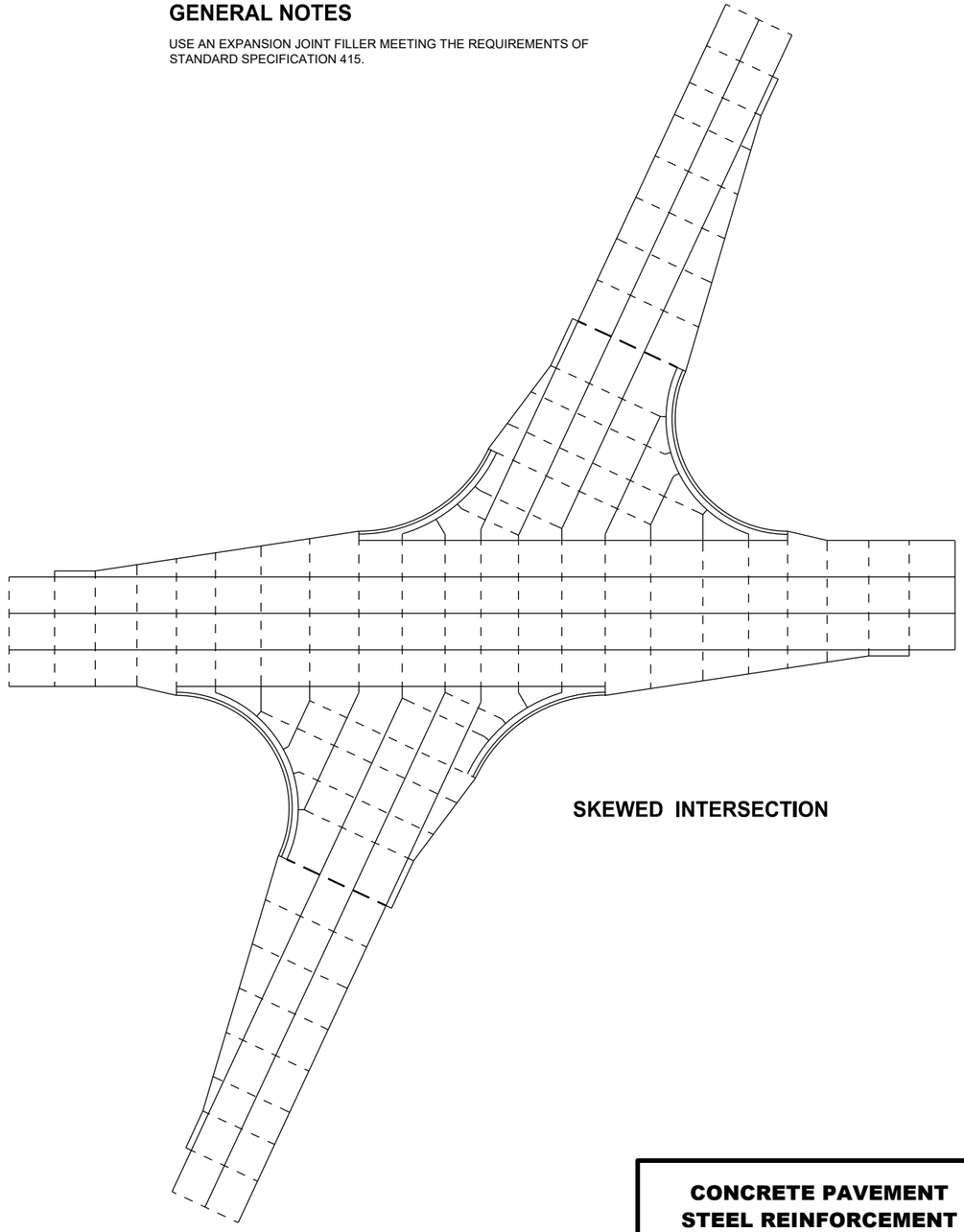
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

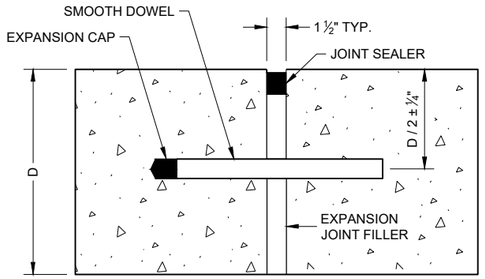
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

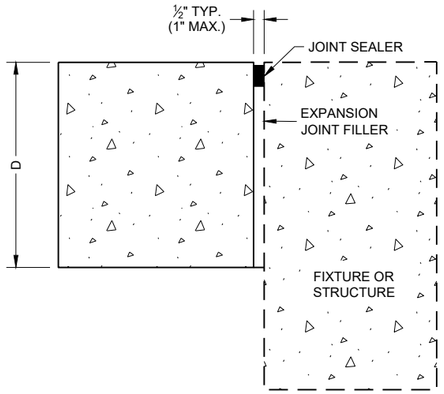
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

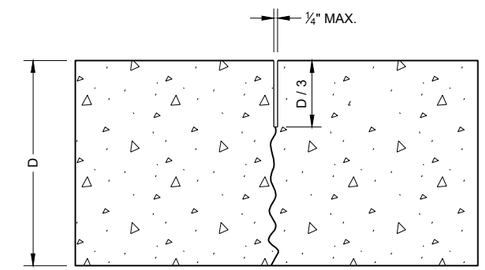
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

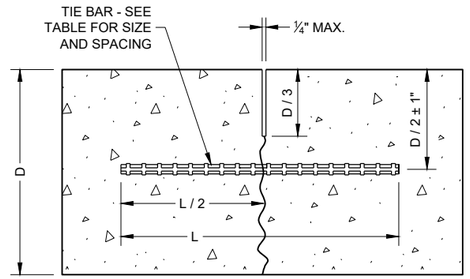
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

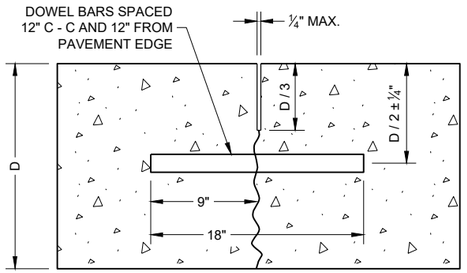
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

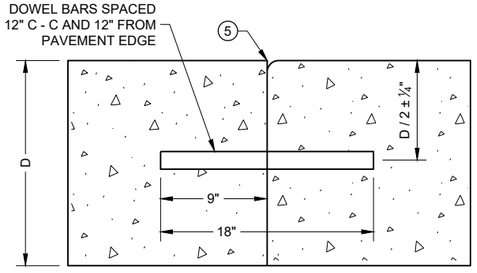


TIED LONGITUDINAL

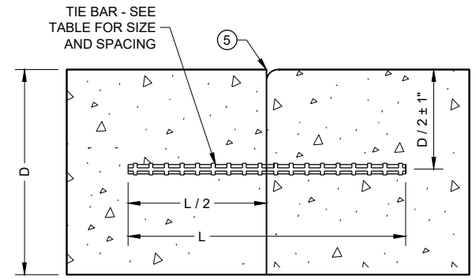


DOWELED TRANSVERSE

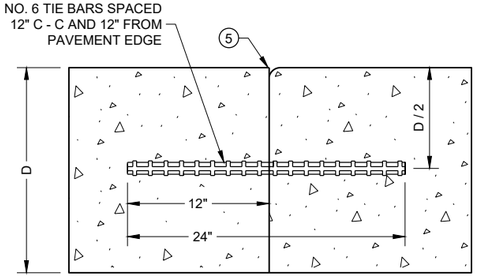
CONTRACTION JOINTS (2)



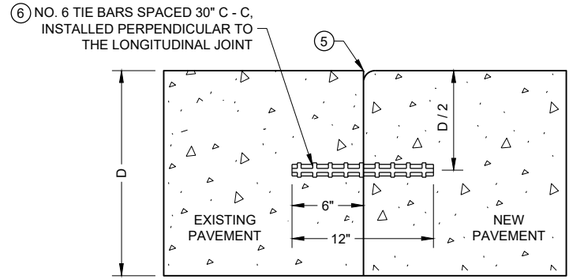
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



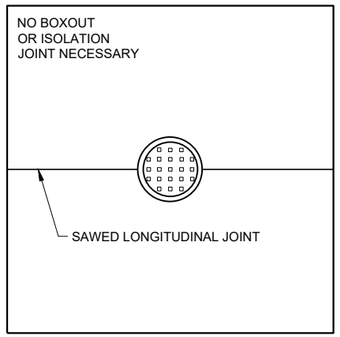
TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



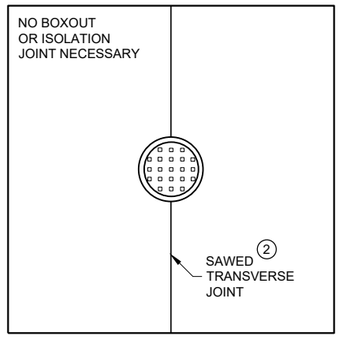
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

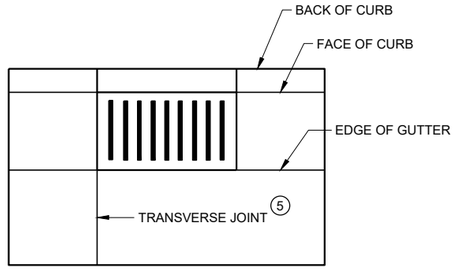
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



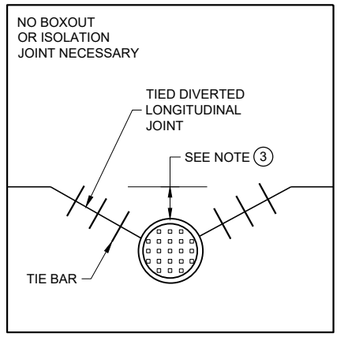
MANHOLE WITH TRANSVERSE JOINT



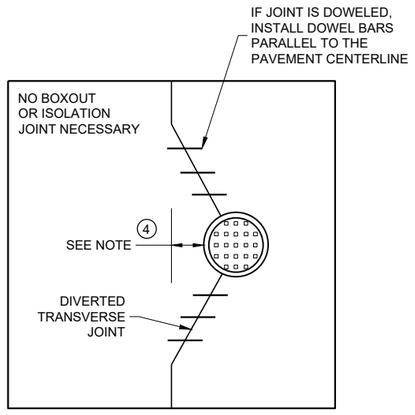
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

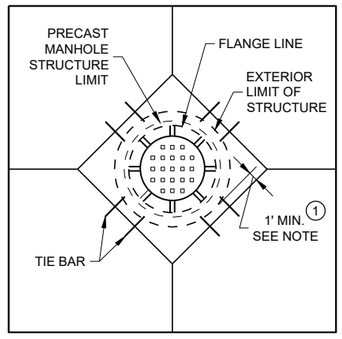
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVISOR 895

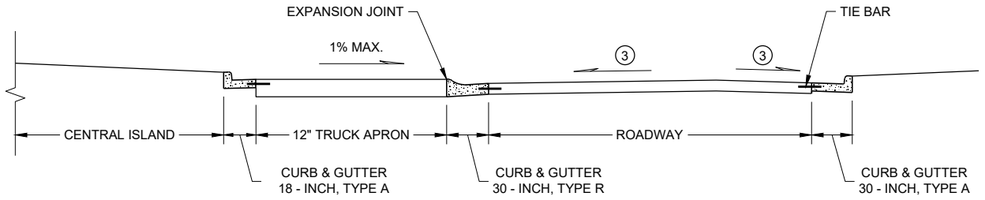
FHWA

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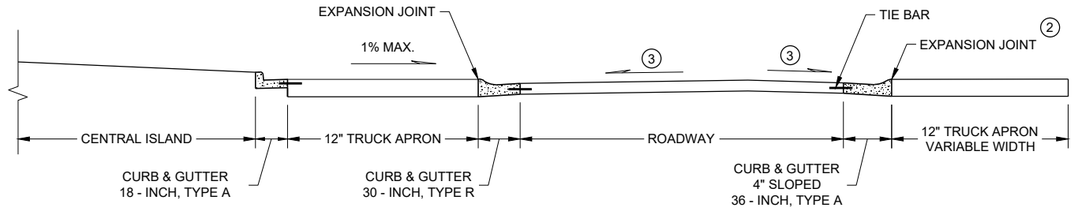
SDD13C18 - 08d

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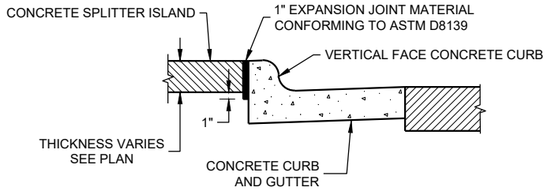
SDD13C18 - 08d



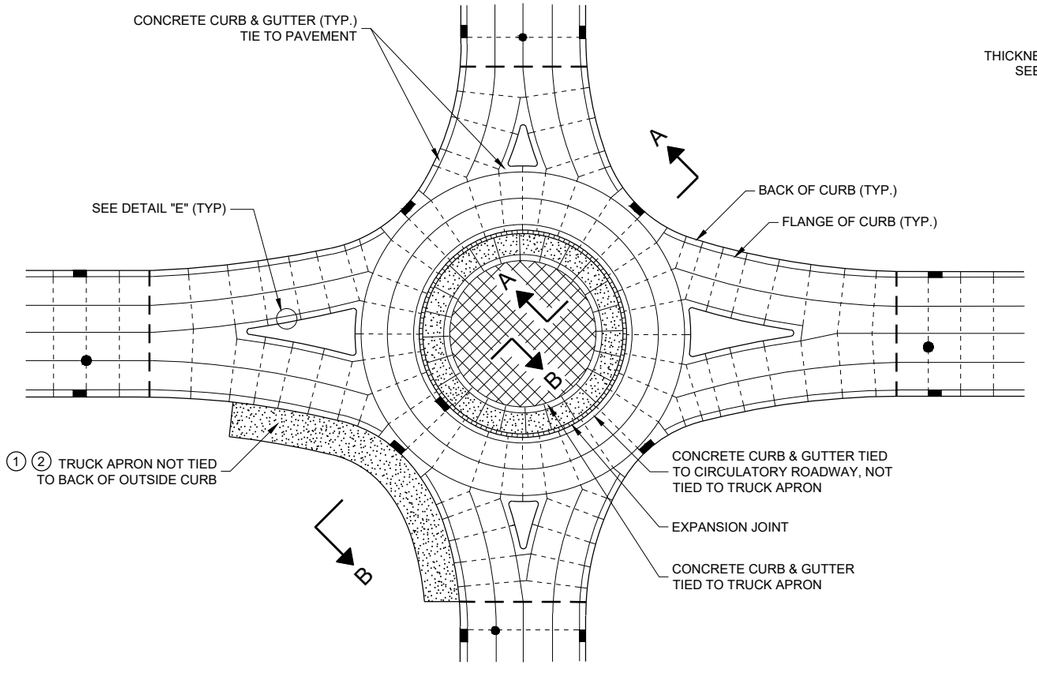
SECTION A - A



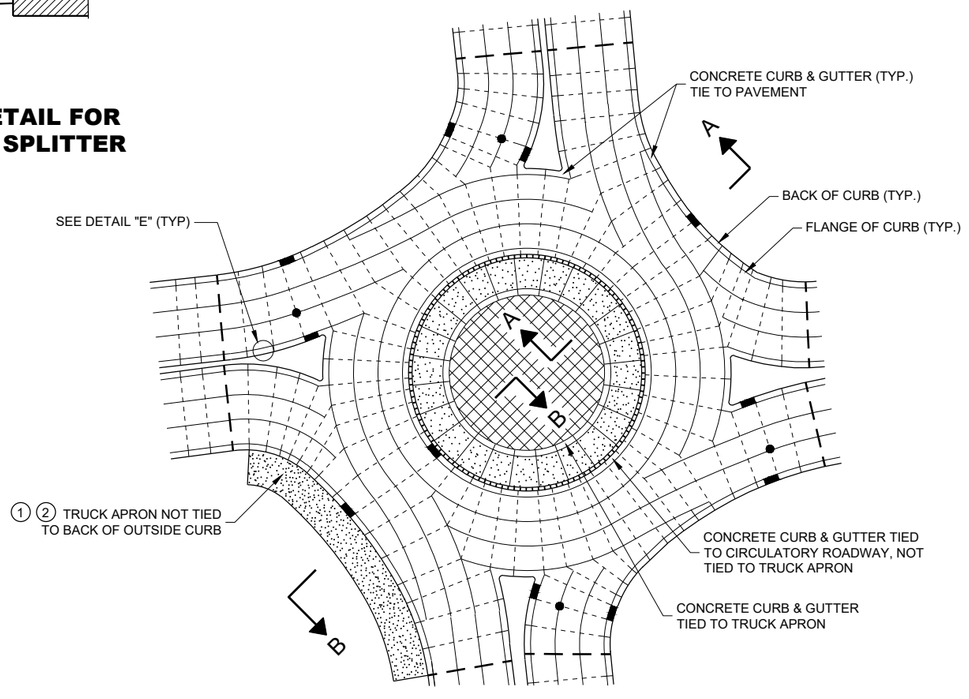
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

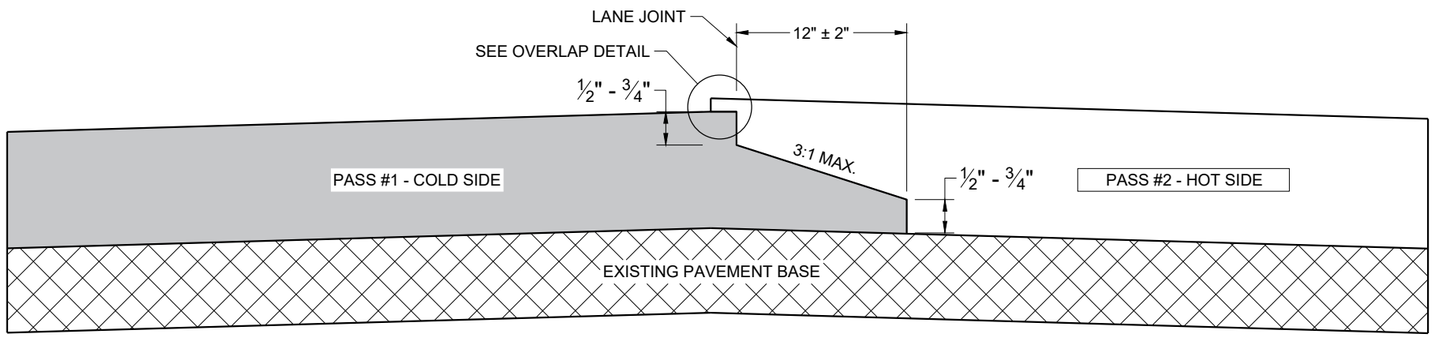
896

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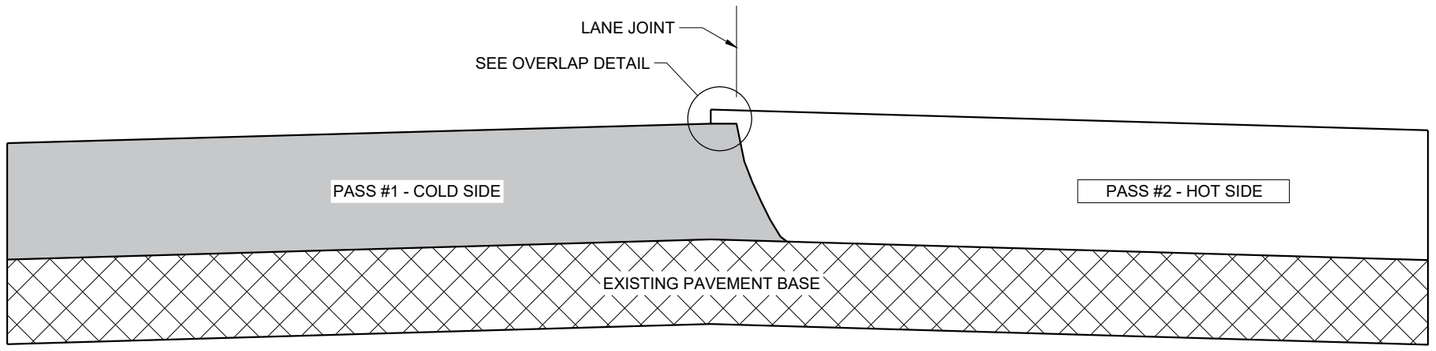
SDD 13C18 - 08e

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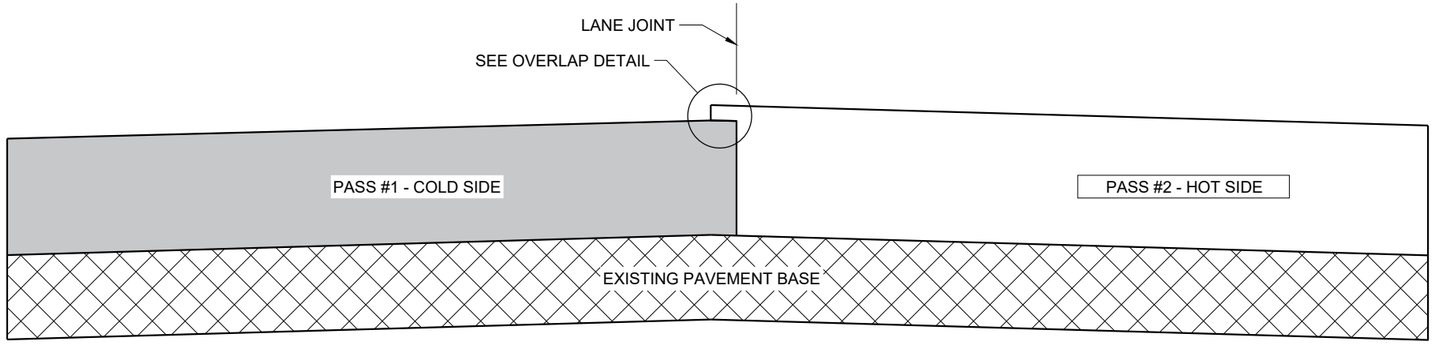
SDD 13C18 - 08e



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

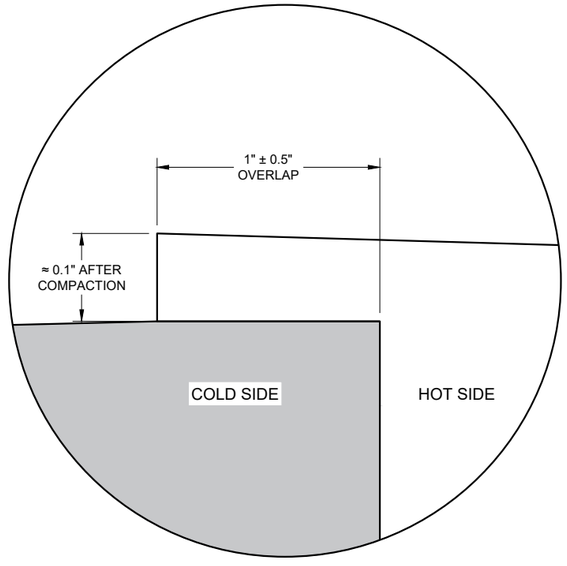
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

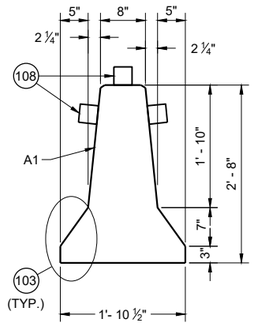
HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN 897
FHWA	

6

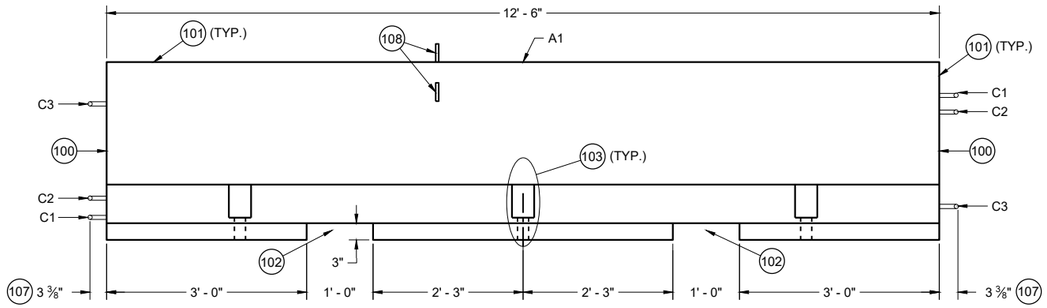
SDD 13C19 - 03

6

SDD 13C19 - 03



CROSS SECTION



PROFILE VIEW

GENERAL NOTES

PLACE BARRIER ON PAVED SURFACE. BEFORE PLACEMENT OF TEMPORARY BARRIER, REMOVE ALL LOOSE MATERIAL FROM PAVED SURFACE.

LOOP BARS C1, C2 AND C3 ARE NOT FOR PLACEMENT OR MOVEMENT OF BARRIER.

(100) PERMANENTLY FORM INTO ONE END OF BARRIER THE FOLLOWING INFORMATION:
- A. TYPE OF BARRIER: WI-CBTP
- B. MANUFACTURER
- C. DATE OF MANUFACTURE (MONTH AND YEAR)

(101) 1" OPTIONAL CHAMFER

(102) SEE LIFTING SLOT DETAIL

(103) SEE ANCHOR BLOCK DETAIL

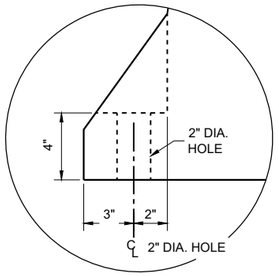
(104) 1 ¾" MIN. CLEAR COVER

(105) 2" MIN. CLEAR COVER

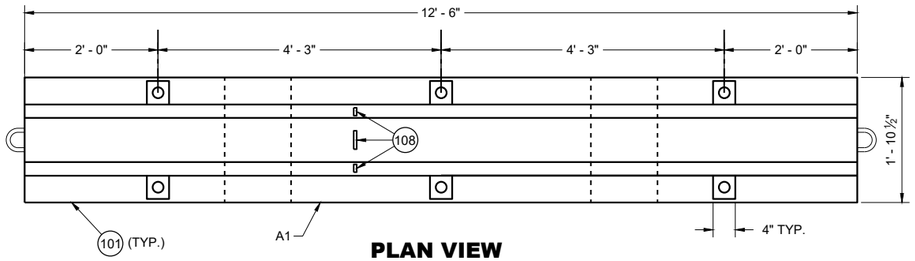
(106) 1" MIN. CLEAR COVER

(107) ± ⅛" MEASURED FROM FACE OF CONCRETE BARRIER TO OUTSIDE OF LOOP BAR (TYP.)

(108) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURERS INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED LEFT OF TRAFFIC AND WHITE WHEN BARRIER IS LOCATED RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART, PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO SIDE MOUNTED DELINEATORS ON BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAT 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

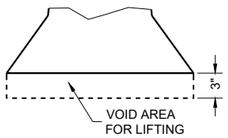


ANCHOR BLOCK DETAIL

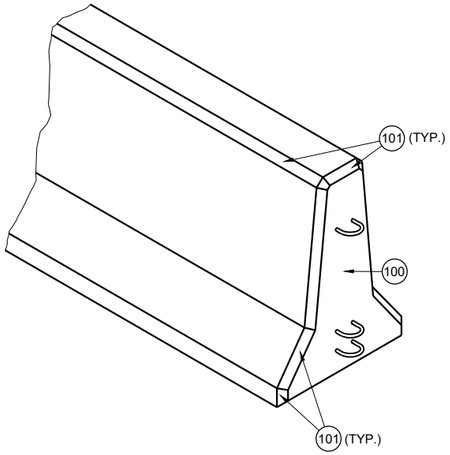


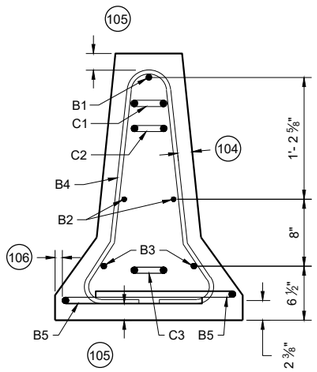
PLAN VIEW

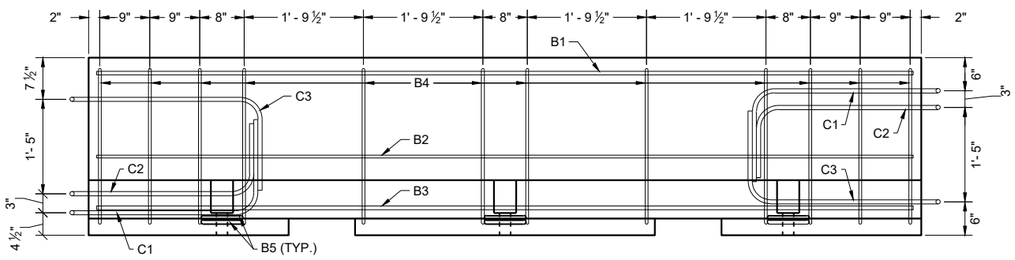
TEMPORARY BARRIER



LIFTING SLOT DETAIL (TYP.)







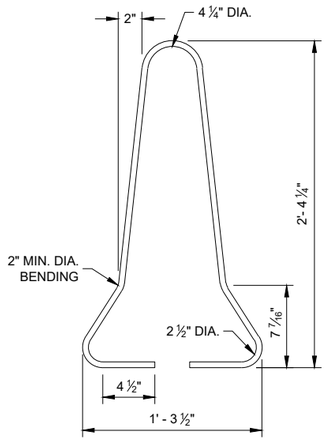
PROFILE VIEW

TEMPORARY BARRIER REINFORCEMENT

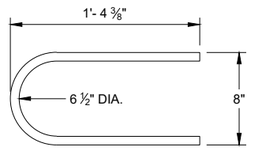
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

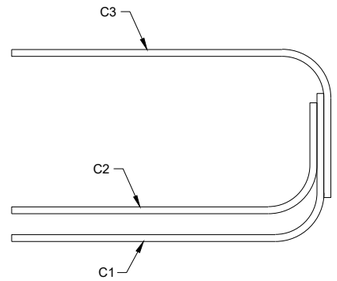
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SDD 14B07-16a



B4 BAR DETAIL

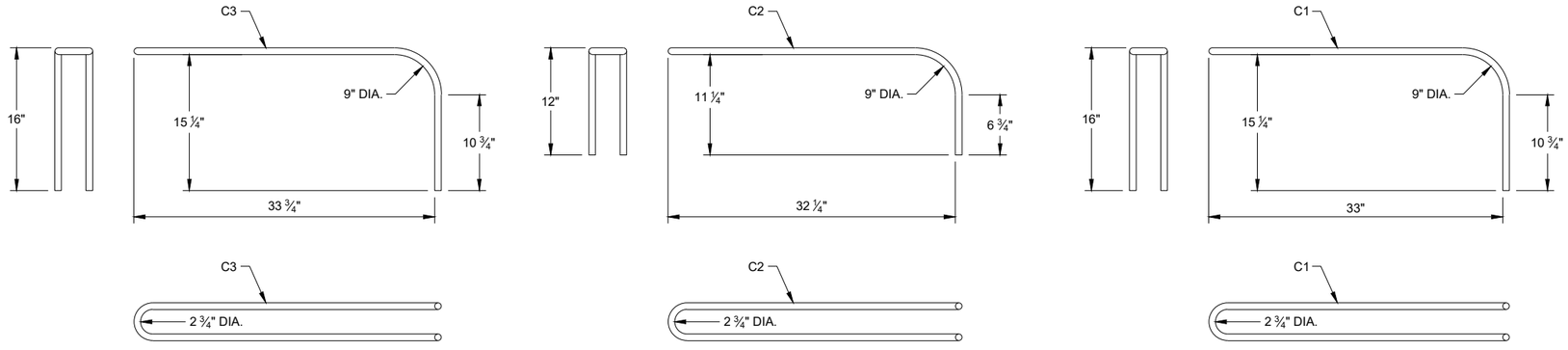


B5 BAR DETAIL



PROFILE VIEW

LOOP BAR ASSEMBLY



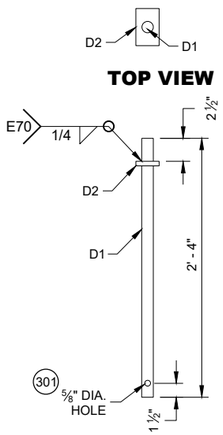
C BAR DETAILS

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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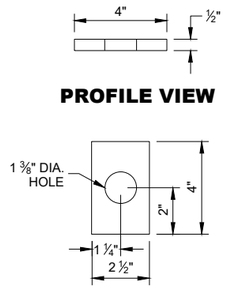
SDD 14B07-16b



TOP VIEW

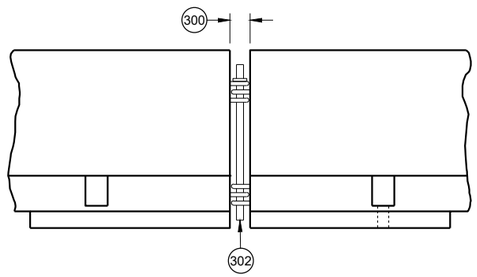
PROFILE VIEW

CONNECTOR PIN ASSEMBLY



PROFILE VIEW

TOP VIEW D2



CONNECTING TEMPORARY BARRIER SECTIONS

GENERAL NOTES

300 SET WITH 3 ⅝" WOOD BLOCK.

301 HOLE IS OPTIONAL.

302 CONNECTOR PIN ASSEMBLY.

303 CONCRETE PAVEMENT, APPROACH SLAB, OR DECK.

304 CONCRETE DECK.

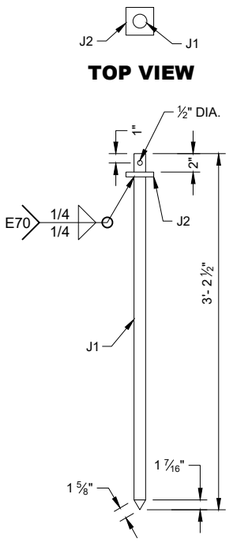
305 DO NOT USE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY OR CONCRETE PAVEMENT WITH ASPHALT OVERLAY.

306 MINIMUM OF 2" OF ASPHALT.

307 ASPHALT ANCHOR PIN ASSEMBLY

308 IF DRILLING A PILOT HOLE, THE MAX, DIA. OF THE HOLE IS 3/4"

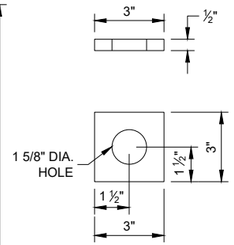
309 WHEN THERE IS ASPHALT OVERLAYING CONCRETE PAVEMENT, A 1 5/8" DIA. PILOT HOLE CAN BE DRILLED INTO THE OVERLAY AND CONCRETE. IF NEEDED DRILL A 3/4" PILOT HOLE IN BASE COURSE.



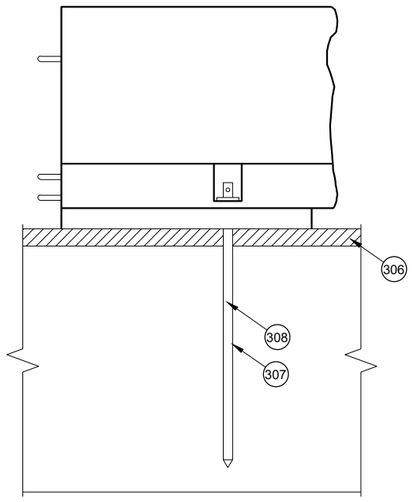
TOP VIEW

PROFILE VIEW

ASPHALT ANCHOR PIN ASSEMBLY

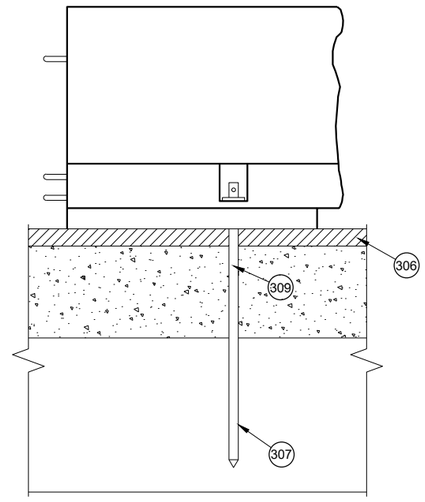


TOP VIEW J2



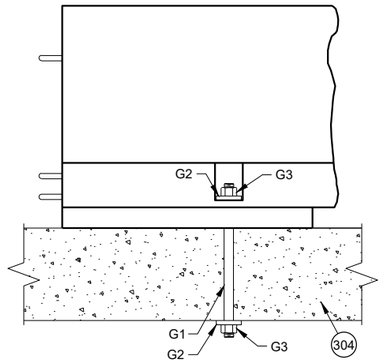
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT PAVEMENT



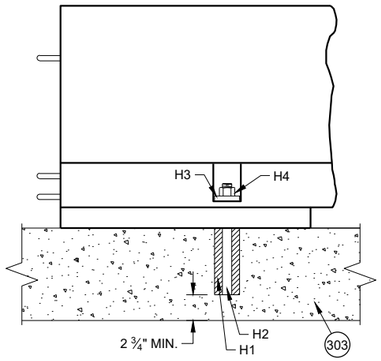
SIDE VIEW

ASPHALT ANCHOR INSTALLATION THROUGH ASPHALT OVERLAY ON TOP OF CONCRETE PAVEMENT



SIDE VIEW

THROUGH BOLT ANCHOR INSTALLATION 305



SIDE VIEW

ADHESIVE ANCHOR INSTALLATION 305

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

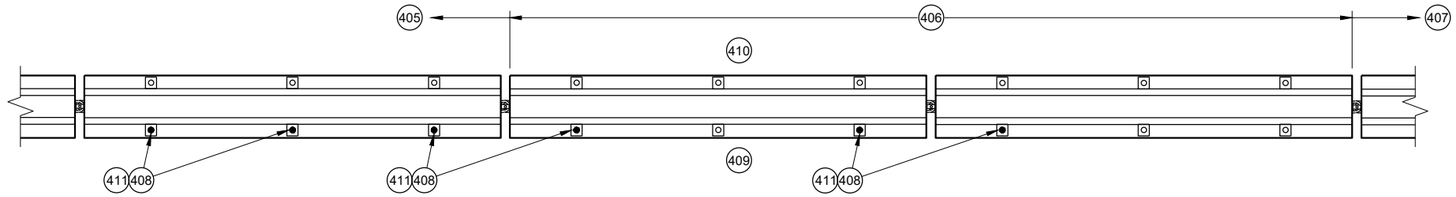
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 900

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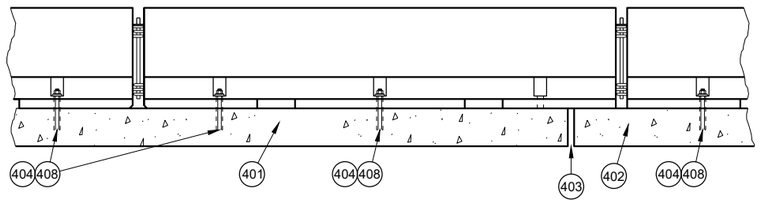
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SDD 14B07-16c



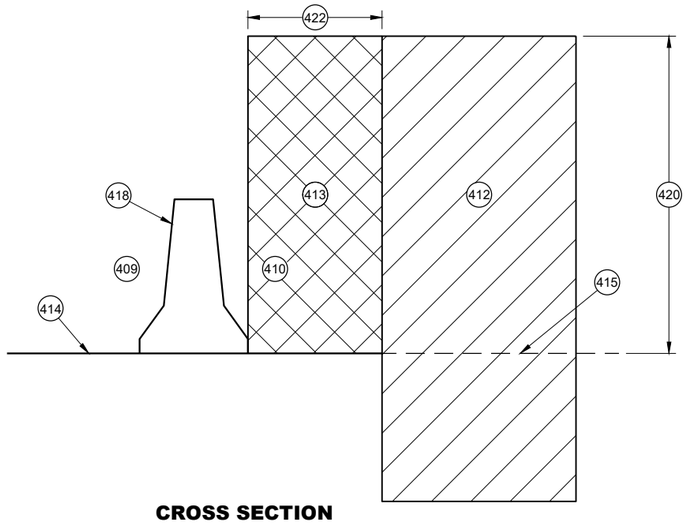
PLAN VIEW

TRANSITION FROM FREE STANDING TO ANCHORED BARRIER



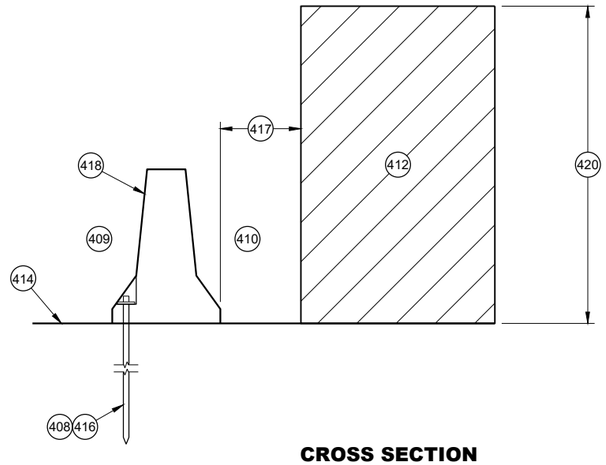
PROFILE VIEW

ANCHORED BARRIER NEAR EXPANSION JOINT (400)



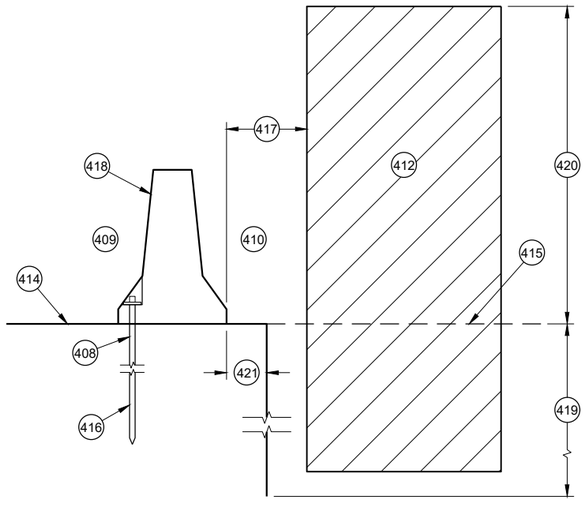
CROSS SECTION

FREE STANDING BARRIER



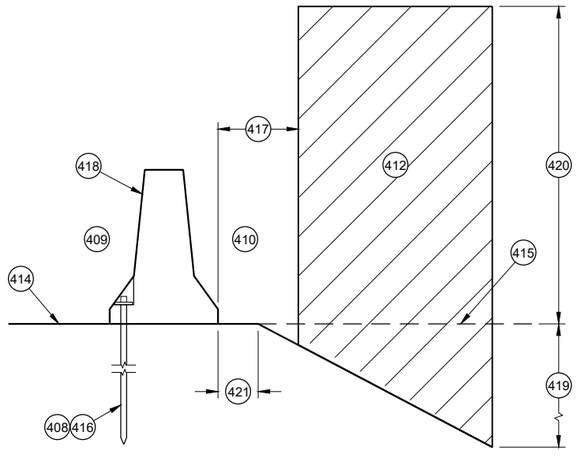
CROSS SECTION

ANCHORED BARRIER FOR OBJECTS ABOVE THE GRADE LINE AND NEAR THE BARRIER



CROSS SECTION

ANCHORED BARRIER NEAR VERTICAL DROP OFF



CROSS SECTION

ANCHORED BARRIER NEAR A SLOPE

GENERAL NOTES

(400) NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.

(401) CONCRETE DECK

(402) CONCRETE DECK OR APPROACH SLAB.

(403) EXPANSION JOINT

(404) ADHESIVE ANCHOR SHOWN. SEE ANCHOR DETAILS.

(405) ANCHORED TEMPORARY BARRIER

(406) TRANSITION FROM ANCHORED TEMPORARY BARRIER TO FREE STANDING

(407) FREE STANDING BARRIER

(408) REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERCIAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(409) TRAFFIC SIDE

(410) NON-TRAFFIC SIDE

(411) ANCHOR LOCATION. SEE ANCHORING DETAILS.

(412) WORK AREA

(413) AREA FREE OF OBJECTS AND WORKERS

(414) GRADE LINE

(415) EXTENDED GRADE LINE

(416) ANCHORED TEMPORARY BARRIER. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR AN ASPHALT ANCHOR ROD DETAILS FOR MORE INFORMATION. ASPHALT ANCHOR ROD SHOWN.

(417) WHEN OBJECTS EXTEND ABOVE THE GRADE. A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT.

(418) OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR ALLOWED TO LEAN AGAINST THE BARRIER WITHOUT WRITTEN PERMISSION OF THE PROJECT ENGINEER.

(419) DEPTHS OF 3 FEET OR MORE.

(420) Y = 6.5'

(421) OFFSET FROM BACK OF BARRIER EDGE:

CONCRETE PAVEMENT	0.5'
ASPHALT	0.5'

(422) POSTED SPEED (MPH):

45 OR GREATER	4.0'
40 OR LOWER	2.0'

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
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GENERAL NOTES

(500) EXISTING RIGID BARRIERS (VARIES)

(501) TEMPORARY BARRIER

(502) SEE OTHER DETAIL ON HOW TO ANCHOR TEMPORARY BARRIER (BARRIER ASPHALT ANCHOR SHOWN).

(503) ANCHORS ARE REQUIRED ON BOTH SIDE OF THE TEMPORARY BARRIER.

(504) NESTED RAILS ARE REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS.

(505) TRAFFIC TRAVELS FROM PERMANENT BARRIER TO TEMPORARY BARRIER.

(506) TRAFFIC TRAVELS FROM TEMPORARY BARRIER TO PERMANENT BARRIER.

(507) VERTICAL BARRIER

(508) SAFETY SHAPE BARRIER

(509) SINGLE SLOPE BARRIER

(510) CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF RIGID BARRIER.

(511) BENT THRIE BEAM TO FIT.

(512) THRIE BEAM PIECES ARE OFFSET 15 ¼" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.

(513) TWO (2) P1, P2 AND P3 ARE REQUIRED

(514) FIVE (5) N1, N2 AND N3 ARE REQUIRED

(515) TWO (2) R1, R2 AND R3 ARE REQUIRED

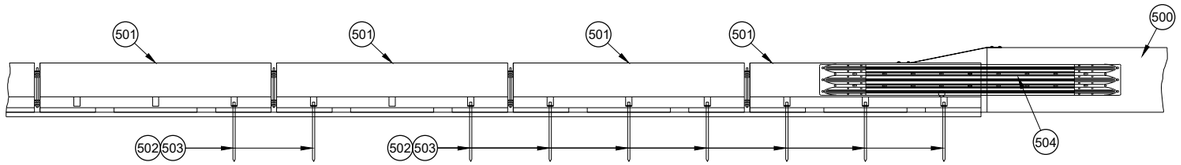
(516) CUT WOOD BLOCK TO FIT.

(517) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL ASSEMBLY.

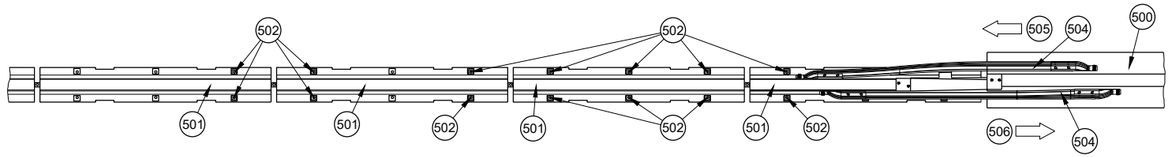
(518) CAP ASSEMBLY

(519) 4" MAX. GAP BETWEEN TEMPORARY BARRIER AND RIGID BARRIER.

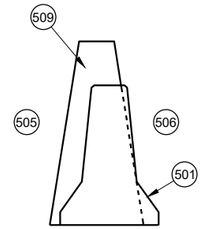
(520) ALL TWELVE SPLICE HOLES REQUIRE M1 AND M2



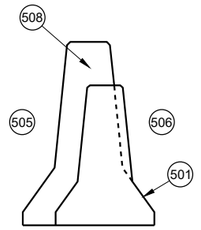
PROFILE VIEW



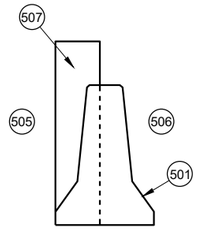
PLAN VIEW
TRANSITION TO RIGID BARRIER



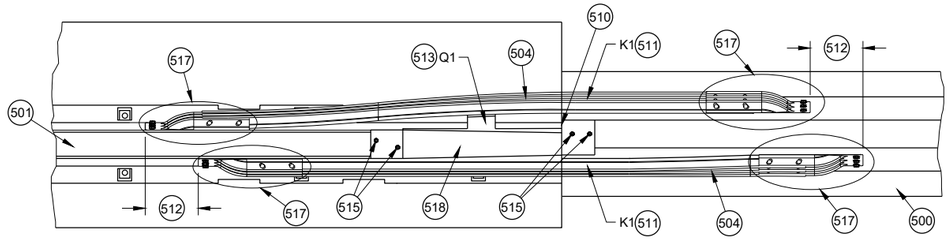
CROSS SECTION TEMPORARY BARRIER PLACEMENT SINGLE SLOPE



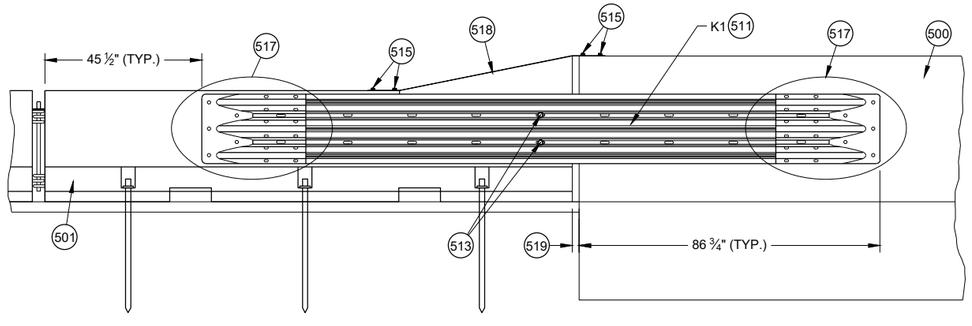
CROSS SECTION TEMPORARY BARRIER PLACEMENT SAFETY SHAPE



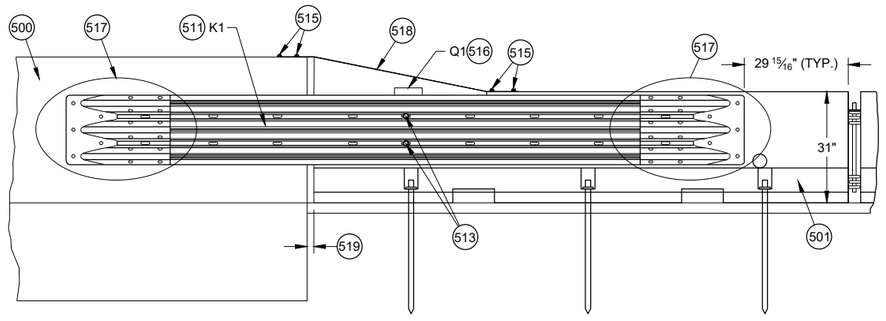
CROSS SECTION TEMPORARY BARRIER PLACEMENT VERTICAL



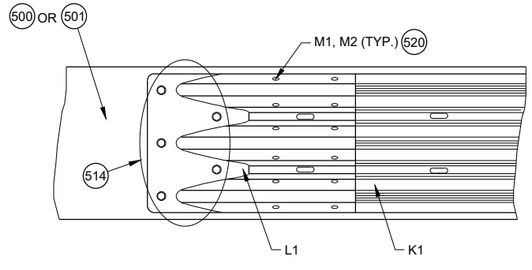
PLAN DETAIL VIEW
TRANSITION TO RIGID BARRIER



FRONT DETAIL VIEW
TRANSITION TO RIGID BARRIER



BACK DETAIL VIEW
TRANSITION TO RIGID BARRIER



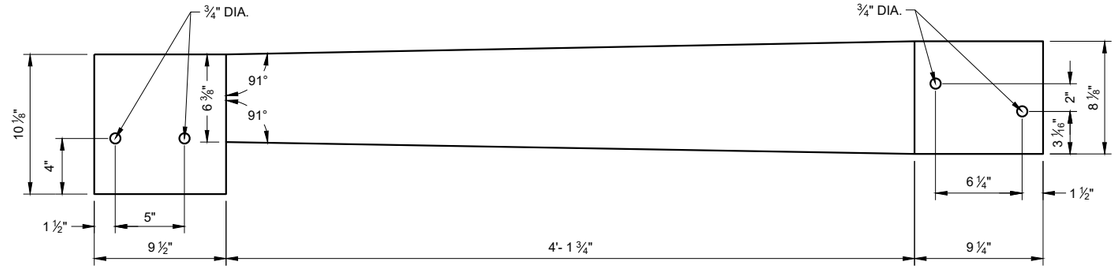
(517) DETAIL PLAN VIEW
THRIE BEAM RAIL TERMINAL CONNECTOR ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

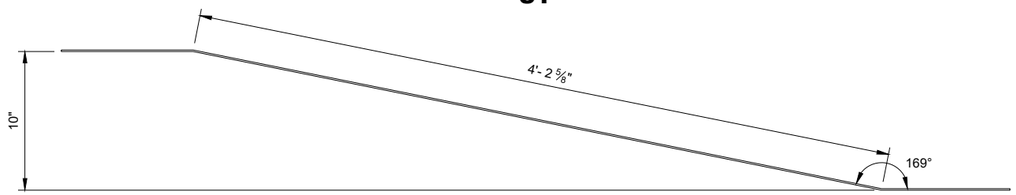
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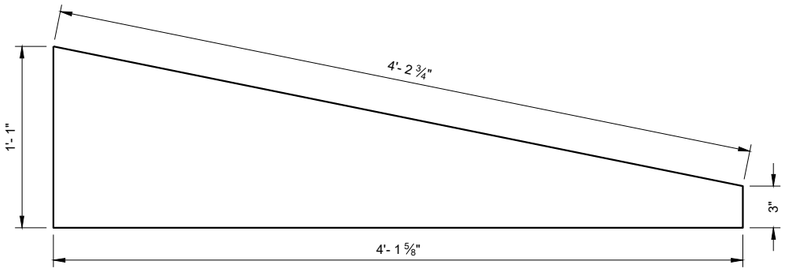
TOP VIEW

S1



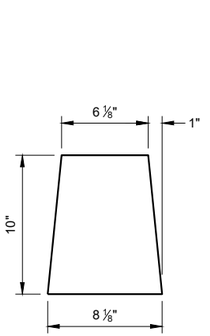
ELEVATION VIEW

S1

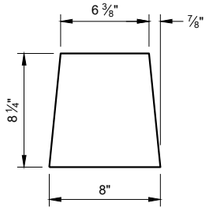


SIDE VIEW

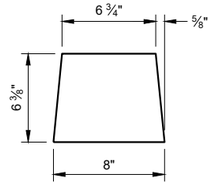
S3



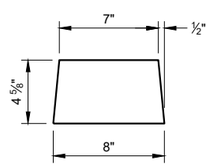
S2



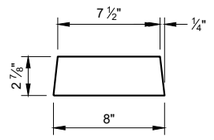
S4



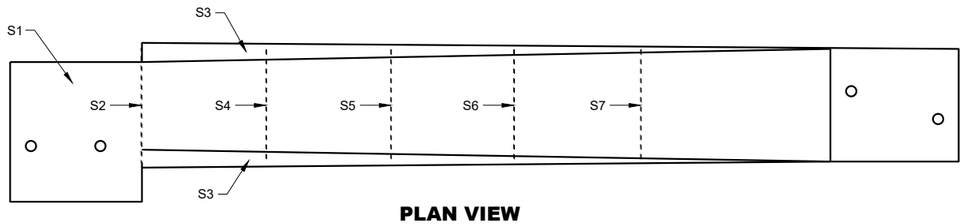
S5



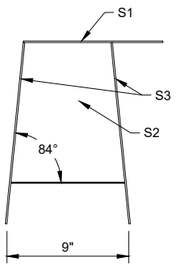
S6



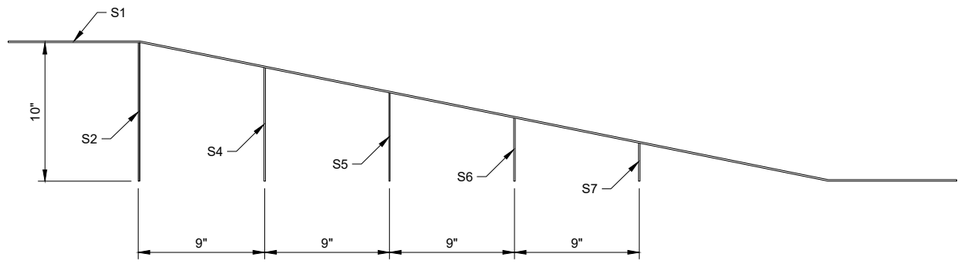
S7



PLAN VIEW



BACK VIEW



SIDE VIEW (600)

42" TOP CAP ASSEMBLY

GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THREE SIDES

STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

(600) SIDE PLATES (S3) NOT SHOWN FOR CLARITY.

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

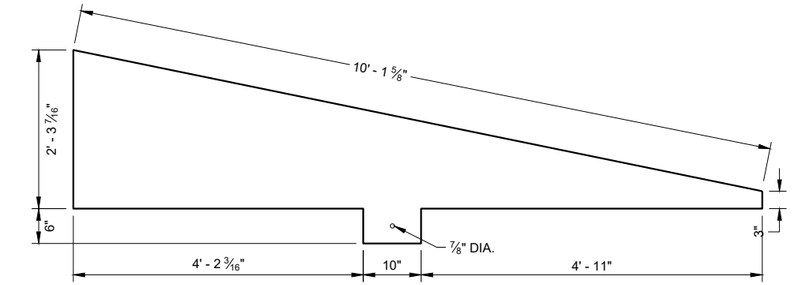
STATE OF WISCONSIN
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SDD 14B07-16f

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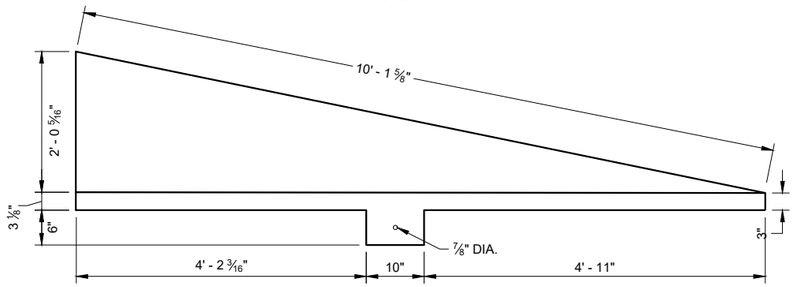
SDD 14B07-16f



SIDE VIEW
T4



END VIEW



SIDE VIEW
T3

END VIEW

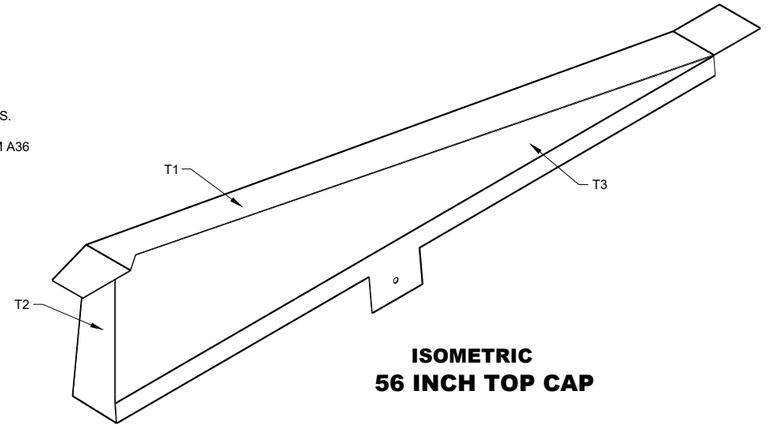
GENERAL NOTES

STITCH WELD GUSSET PLATES AND END PLATES ON THRIE SIDES

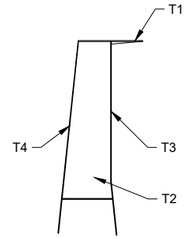
STITCH WELD TWO SIDE PLATES TO TOP PLATE, END PLATE AND GUSSETS.

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.

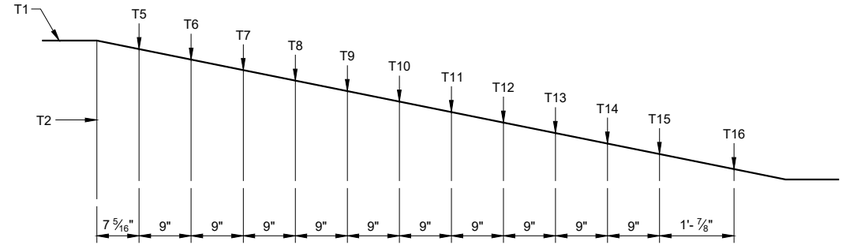
(700) SIDE PLATES (T3 AND T4) NOT SHOWN FOR CLARITY.



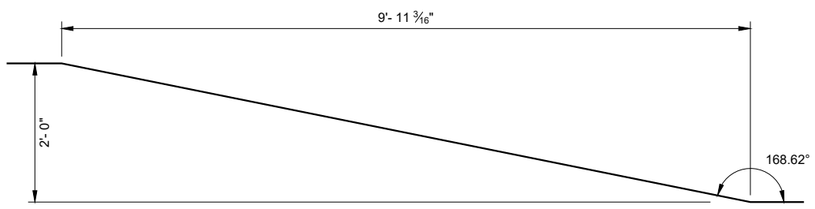
ISOMETRIC
56 INCH TOP CAP



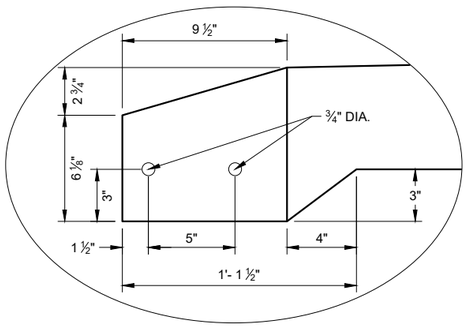
END VIEW
56 INCH TOP CAP



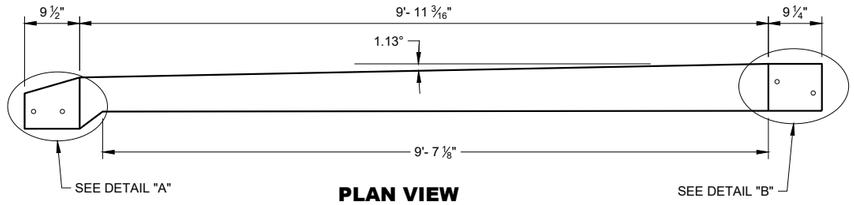
SIDE VIEW (700)
56 INCH TOP CAP



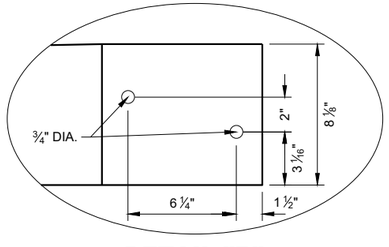
SIDE VIEW
TOP PLATE T1



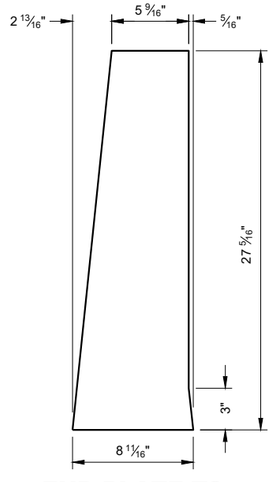
DETAIL "A"



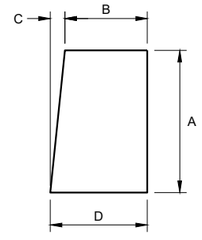
PLAN VIEW
TOP PLATE T1



DETAIL "B"



END PLATE T2



GUSSET PLATES
T5 - T16

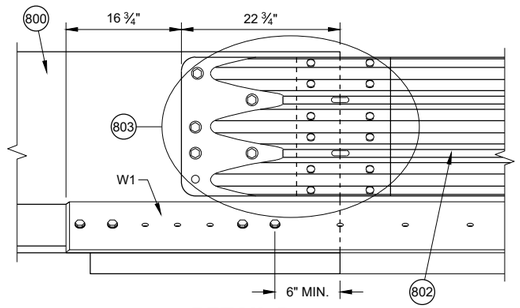
GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
T5	22 13/16"	5 1/16"	2 5/16"	8 1/16"
T6	21"	5 7/8"	2 3/16"	8 1/16"
T7	19 3/16"	6 1/16"	1 15/16"	8 1/16"
T8	17 3/8"	6 1/4"	1 13/16"	8 1/16"
T9	15 5/16"	6 7/16"	1 9/16"	8 1/16"
T10	13 3/4"	6 5/8"	1 7/16"	8 1/16"
T11	11 15/16"	6 13/16"	1 1/4"	8 1/16"
T12	10 1/8"	7"	1 1/16"	8 1/16"
T13	8 5/16"	7 3/16"	7/8"	8 1/16"
T14	6 1/2"	7 3/8"	1 1/16"	8 1/16"
T15	4 11/16"	7 9/16"	1/2"	8"
T16	2 7/8"	7 3/4"	1/4"	8"

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

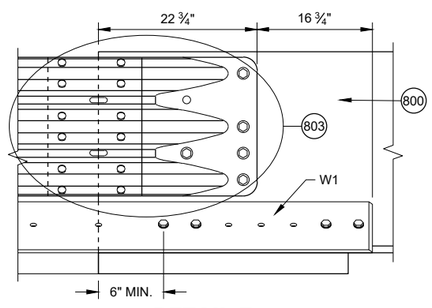
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

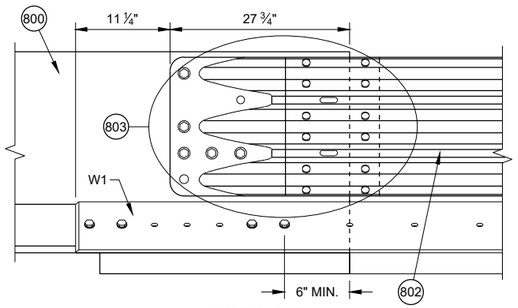
SDD 14B07-16g



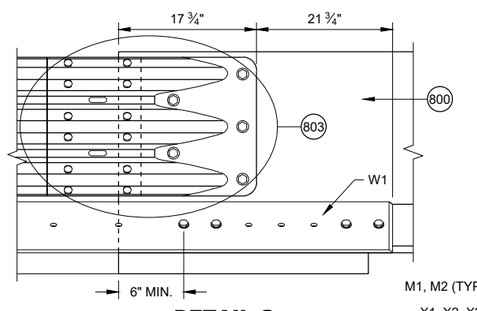
DETAIL D



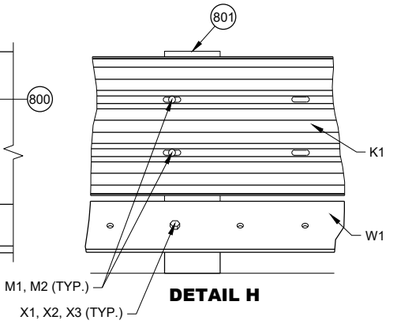
DETAIL E



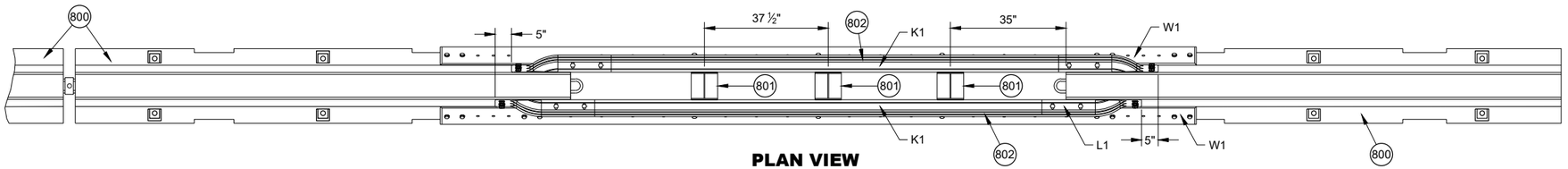
DETAIL F



DETAIL G



DETAIL H



PLAN VIEW

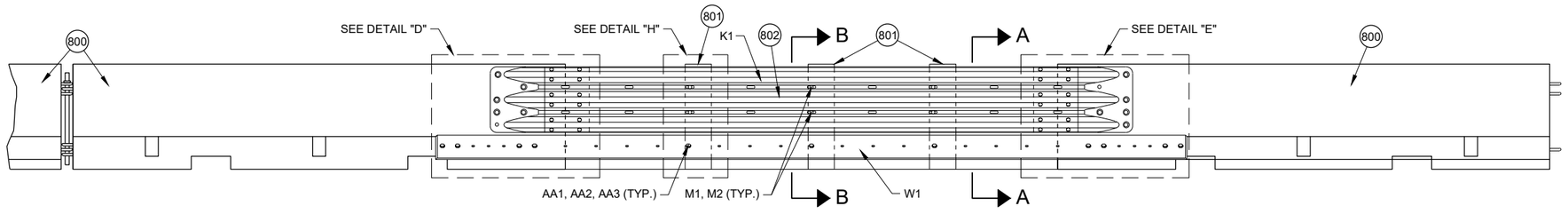
GENERAL NOTES

(800) FREE STANDING TEMPORARY BARRIER

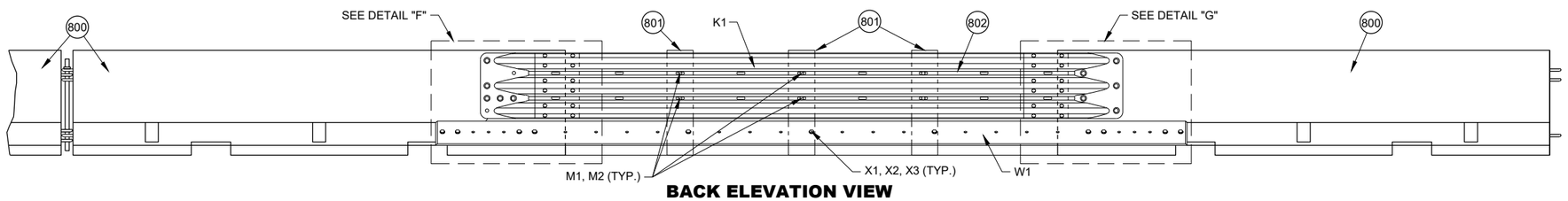
(801) GAP STIFFENER ASSEMBLY

(802) THRIE BEAMS ARE NESTED ON BOTH SIDES OF THE TEMPORARY BARRIER.

(803) SEE THRIE BEAM RAIL TERMINAL CONNECTOR DETAIL



FRONT ELEVATION VIEW



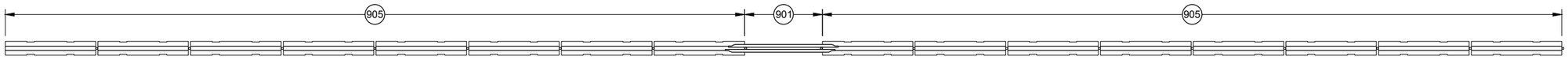
BACK ELEVATION VIEW

PORTABLE CONCRETE BARRIER GAP THRIE BEAM COVER

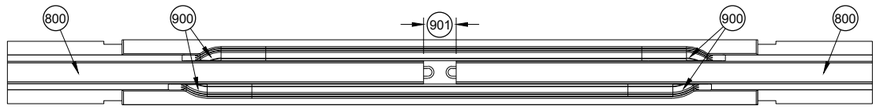
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16h



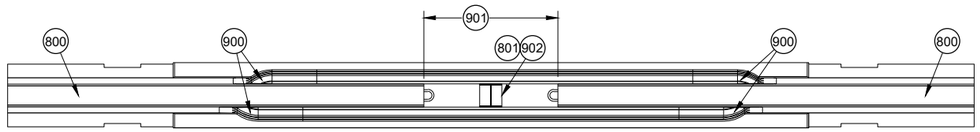
PLAN VIEW
GAP WITHIN SPACING



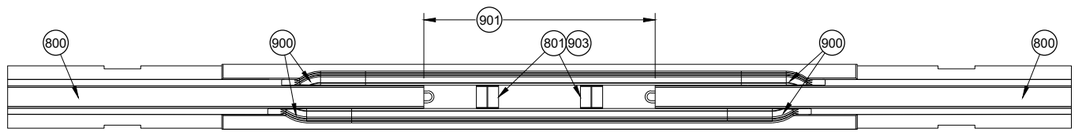
PLAN VIEW
TEMPORARY BARRIER GAP OVER 4" TO 1' MAX. (904)

GENERAL NOTES

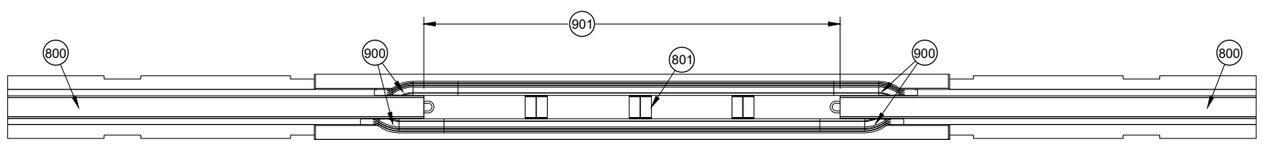
(900) SEE OTHER DETAILS FOR TEMPORARY GAP HARDWARE (TYP.)
(901) TEMPORARY BARRIER GAP
(902) GAP STIFFENER ASSEMBLY CENTERED IN THE GAP.
(903) GAP STIFFENER ASSEMBLY IS OFFSET 18 ¾" FROM CENTER
(904) MINIMUM NUMBER OF GAP STIFFENERS SHOWN FOR THE GAP RANGE SHOWN.
(905) MINIMUM OF 8 CONTINUOUS FREE STANDING TEMPORARY BARRIERS



PLAN VIEW
TEMPORARY BARRIER GAP OVER 1' TO 4' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 4' TO 7' MAX. (904)



PLAN VIEW
TEMPORARY BARRIER GAP OVER 7' TO 12.5' MAX. (904)

6

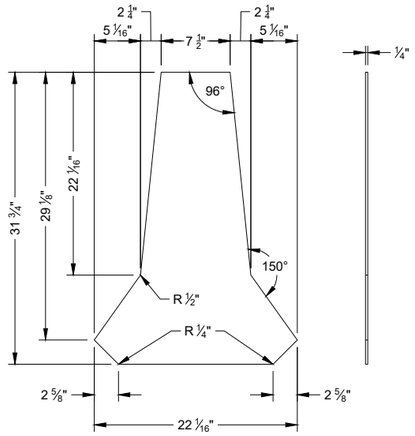
SDD 14B07-16i

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

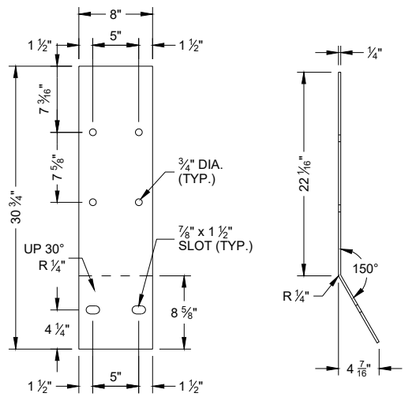
6

SDD 14B07-16i



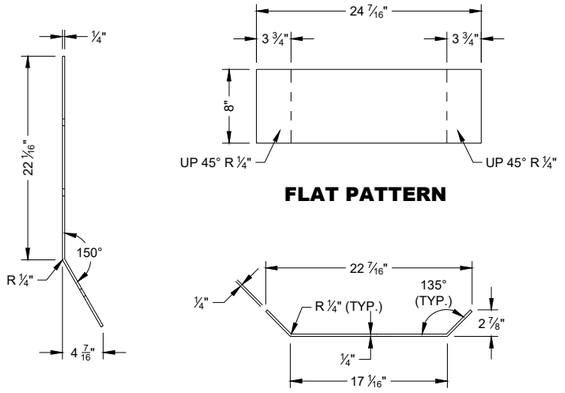
PROFILE VIEW SIDE VIEW

STIFFENER ASSEMBLY CENTER PANEL U1



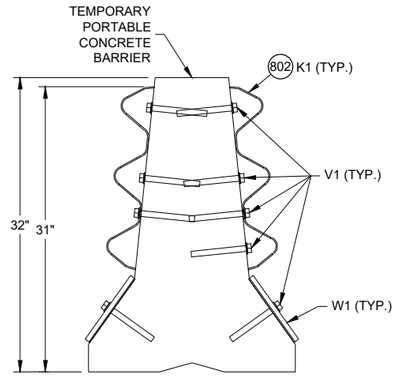
FLAT PATTERN SIDE VIEW

STIFFENER ASSEMBLY SIDE PANEL U2

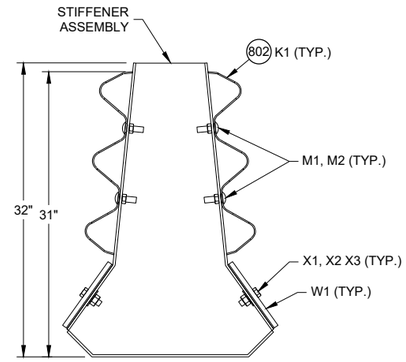


PROFILE VIEW

STIFFENER ASSEMBLY BOTTOM PANEL U3

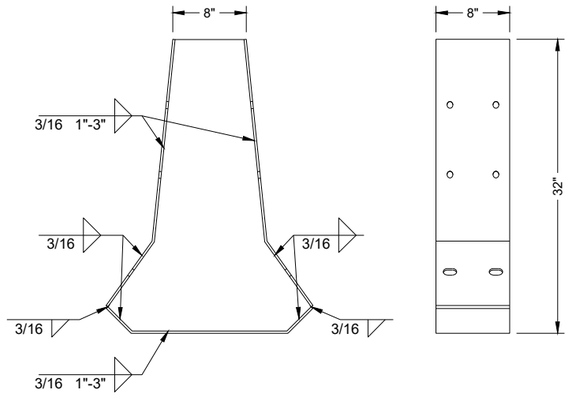


SECTION A - A



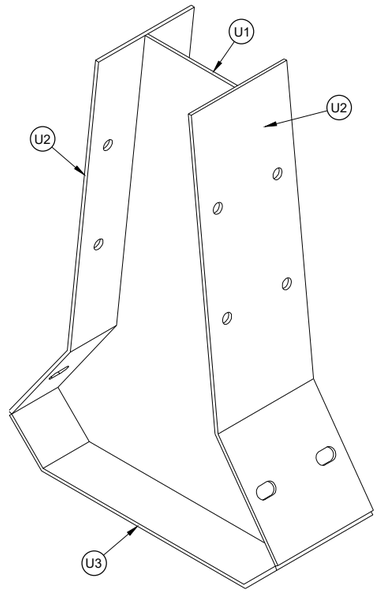
SECTION B - B

PLAN VIEW



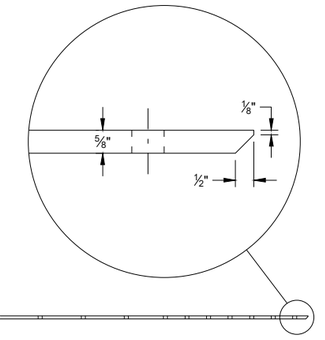
PROFILE VIEW

SIDE VIEW

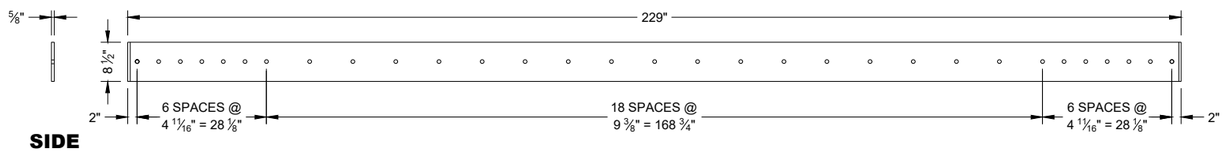


ISOMETRIC

GAP STIFFENER ASSEMBLY



PLAN VIEW



SIDE VIEW

ELEVATION VIEW

W1 TOE PLATE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

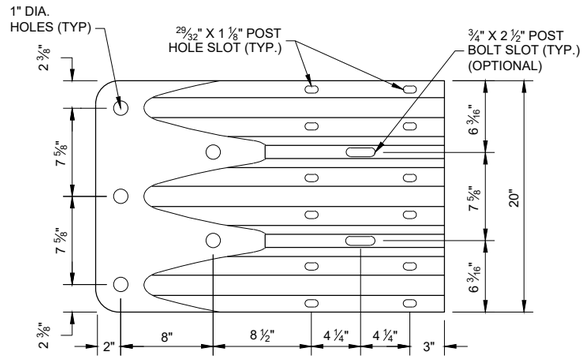
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 907

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SDD 14B07-16j

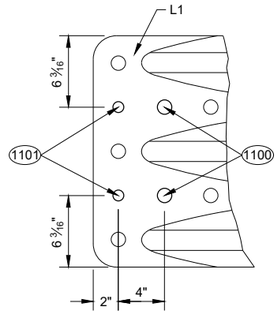
6

SDD 14B07-16j



ELEVATION VIEW

THRIE BEAM TERMINAL CONNECTOR



ELEVATION VIEW

ADDITIONAL THRIE BEAM (1102) TERMINAL CONNECTOR HOLE DETAIL

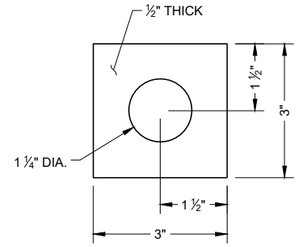


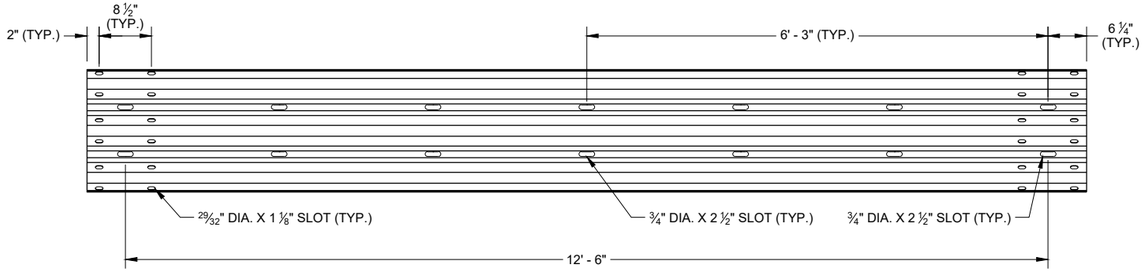
PLATE WASHER DETAIL G2, H3

GENERAL NOTES

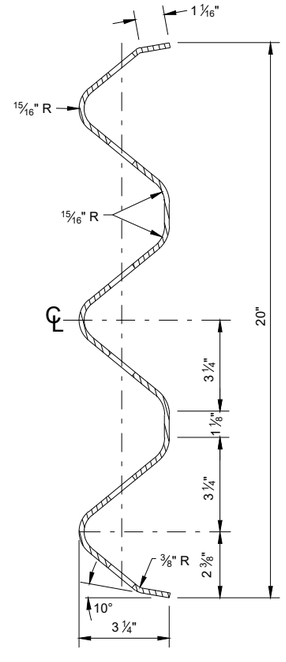
(1100) 1" DIA. HOLE

(1101) 3/4" DIA. HOLE

(1102) PROVIDE HOLES IN THRIE BEAM TERMINAL CONNECTOR TO LIMIT STEEL REINFORCEMENT OR LOOP BAR CONFLICT. CONTRACTOR MAY FIELD DRILL ADDITIONAL HOLE OR PROVIDE THRIE BEAM TERMINAL CONNECTOR WITH ADDITIONAL HOLES FROM SUPPLIER.



SLOTTED THRIE BEAM RAIL K1

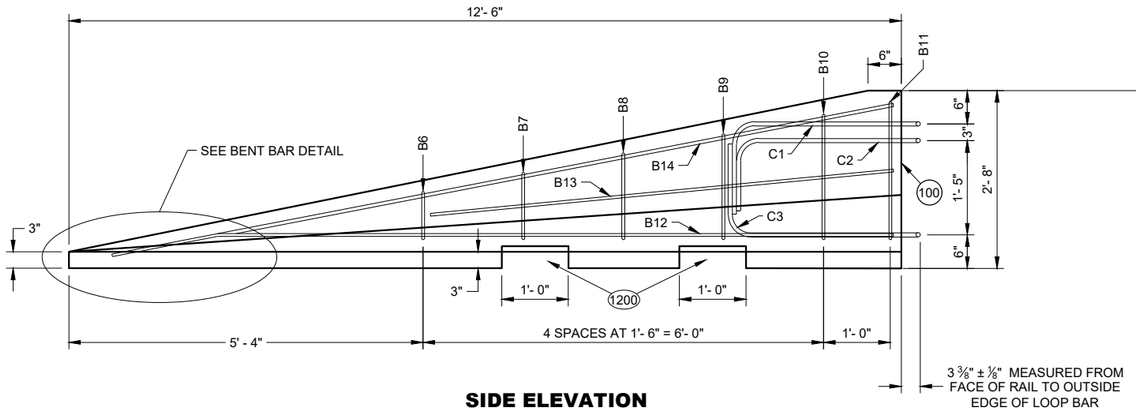


SECTION THROUGH BEAM K1

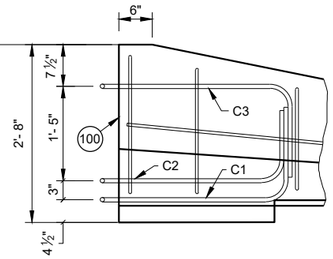
CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16k



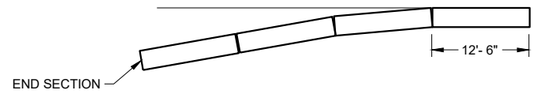
SIDE ELEVATION
(FOR CONNECTION TO LEFT END OF BARRIER)



SIDE ELEVATION
LOOP BAR ASSEMBLY INVERTED FOR OPPOSITE END
(FOR CONNECTION TO RIGHT END OF BARRIER)

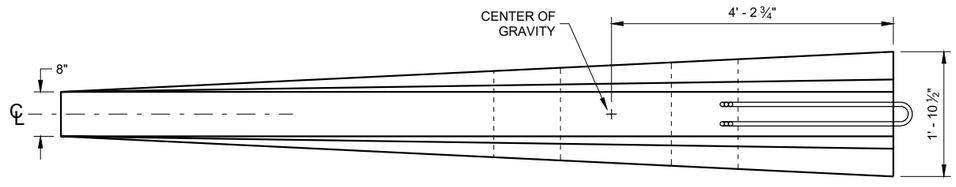
GENERAL NOTES

(1200) SEE LIFTING SLOT DETAIL. LOCATION OF LIFTING SLOTS DETERMINED BY CONTRACTOR.

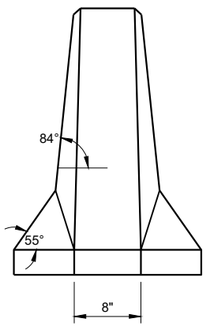


FLARE AT BARRIER END

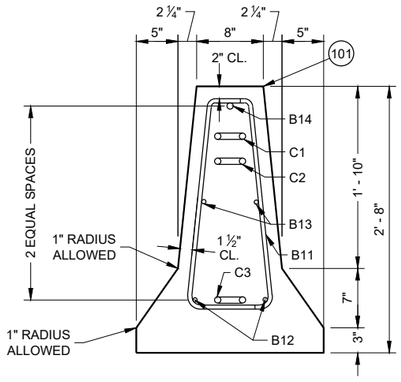
POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1



PLAN VIEW

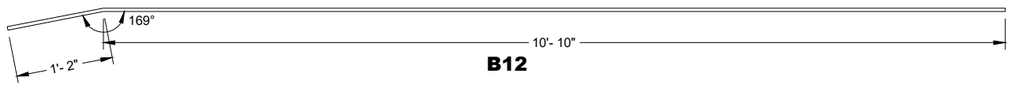


FRONT ELEVATION

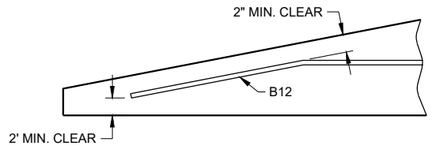


END SECTION

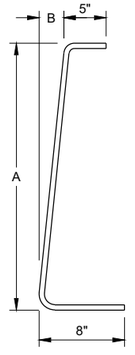
DETAILS OF BARRIER TAPER SECTION



B12



BENT BAR DETAIL



BAR	A	B
B6	10"	1"
B7	1'- 1"	1 ¼"
B8	1'- 5"	1 ⅝"
B9	1'- 8"	1 ⅞"
B10	2'- 0 ½"	2 ⅜"
B11	2'- 3"	2 ¾"

B BARS
2 OF EACH SIZE REQUIRED FOR STIRRUP ASSEMBLY

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 14B07-16I

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	PRECAST TEMPORARY BARRIER - CONCRETE	MIN. = f'c 5000 PSI	
B1	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B2	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-2"
B3	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 12'-2"
B4	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 6'-0"
B5	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#6 REBAR, LENGTH 2'-11"
B6	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 1'-11"
B7	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-2"
B8	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-6"
B9	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 2'-9"
B10	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-2"
B11	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 3'-4"
B12	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 12'-0"
B13	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#4 REBAR, LENGTH 7'-9"
B14	REBAR	STANDARD SPEC. 505.2 GRADE 60 UNCOATED REBAR	#5 REBAR, LENGTH 11'-9"
C1	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C2	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
C3	LOOP BAR	ASTM A709 GRADE 70 SMOOTH BAR OR ASTM A706 GRADE 60 REBAR UNCOATED	¾" DIA.
D1	CONNECTION PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ¼" DIA.
D2	CONNECTION PIN - TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G1	BOLT THROUGH ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A OR SAE J429 GRADE 2 UNC	1 ⅛" DIA.
G2	BOLT THROUGH ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
G3	BOLT THROUGH ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
H1	ADHESIVE ANCHOR - ADHESIVE	ICC-ES-AC308 5 ¼" EMBEDMENT WITH A MIN. BOND STRENGTH OF 1,650 PSI. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
H2	ADHESIVE ANCHOR - THREADED ROD	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 A307 GRADE A / SAE J429 GRADE 2 UNC	1 ⅛" DIA.
H3	ADHESIVE ANCHOR - WASHER, SQUARE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
H4	ADHESIVE ANCHOR - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
J1	ASPHALT ANCHOR PIN - ROD	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	1 ½" DIA.
J2	ASPHALT ANCHOR PIN - STOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI / ASTM A529 MAX. STRENGTH 50 KSI / ASTM A572 MAX STRENGTH 50 KSI / ASTM A709 MAX STRENGTH 50 KSI / ASTM A992 MAX STRENGTH 50 KSI	
K1	THRIE BEAM RAIL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE
L1	THRIE BEAM RAIL - TERMINAL	AASHTO M180 CLASS A TYPE 2 APPROVED PRODUCER	12 GAUGE

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
M1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	⅝" DIA.
M2	SPLICE BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
N1	THRIE BEAM RAIL TERMINAL - MECHANICAL ANCHOR	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA. LENGTH 6"
N2	THRIE BEAM RAIL TERMINAL - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
N3	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
P1	THRIE BEAM RAIL CONNECTION 1-BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	¾" DIA.
P2	THRIE BEAM RAIL CONNECTION 1-WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
P3	THRIE BEAM RAIL CONNETION 1- MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	
Q1	BLOCK WOOD	SEE STANDARD SPEC. 614	
R1	CAP - BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	⅝" DIA.
R2	CAP- BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1	
R3	CAP - BOLT - MECHANICAL ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	12 GAUGE
S1	CAP 42-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S2	CAP 42-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S3	CAP 42-INCH SIDE PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S4	CAP 42-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S5	CAP 42-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S6	CAP 42-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
S7	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 14B07-16m

BILL OF MATERIALS - CONCRETE BARRIER PRECAST

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
T1	CAP 56-INCH TOP PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T2	CAP 56-INCH END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T3	CAP 56-INCH SIDE PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T4	CAP 56-INCH SIDE PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T5	CAP 56-INCH GUSSET 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T6	CAP 56-INCH GUSSET 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T7	CAP 56-INCH GUSSET 3	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T8	CAP 42-INCH GUSSET 4	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T9	CAP 42-INCH GUSSET 5	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T10	CAP 42-INCH GUSSET 6	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T11	CAP 42-INCH GUSSET 7	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T12	CAP 42-INCH GUSSET 8	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T13	CAP 42-INCH GUSSET 9	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T14	CAP 42-INCH GUSSET 10	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T15	CAP 42-INCH GUSSET 11	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
T16	CAP 42-INCH GUSSET 12	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	12 GAUGE
U1	GAP STIFFENER	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U2	GAP STIFFENER - CONNECTOR PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
U3	GAP STIFFENER - CONNECTOR PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
V1	THRIE BEAM RAIL TERMINAL MECHANICAL OR ADHESIVE ANCHOR	MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS ULTIMATE TENSILE LOAD 24.0 KIPS AND ULTIMATE SHEAR LOAD 21.5 KIPS. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.	¾" DIA.
V2	GAP STIFFENER - BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C O R MECHANICAL GALVANIZE TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
W1	TOE PLATE	AASHTO M111/ASTM A123 ASTM A36 MIN STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX. STRENGTH 50 KSI, OR ASTM A709 MAX. STRENGTH 50 KSI, OR ASTM A992 MAX. STRENGTH 50 KSI	
X1	TOE PLATE - CONNECTION BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 UNC HEAVY HEX HEAD OR AASTHO M180 HEAD, ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED. PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	¾" DIA.
X2	TOE PLATE - CONNECTION BOLT - WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 TYPE 2 F436 TYPE 1 (HARDEN WASHER ONLY)	
X3	TOE PLATE - CONNECTION BOLT - NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GALVANIZE TO AASHTO M298 CLASS 55 TYPE 2 / ASTM B695 CLASS 55 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	

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SDD 14B07-16n

CONCRETE BARRIER TEMPORARY PRECAST, 12' - 6"

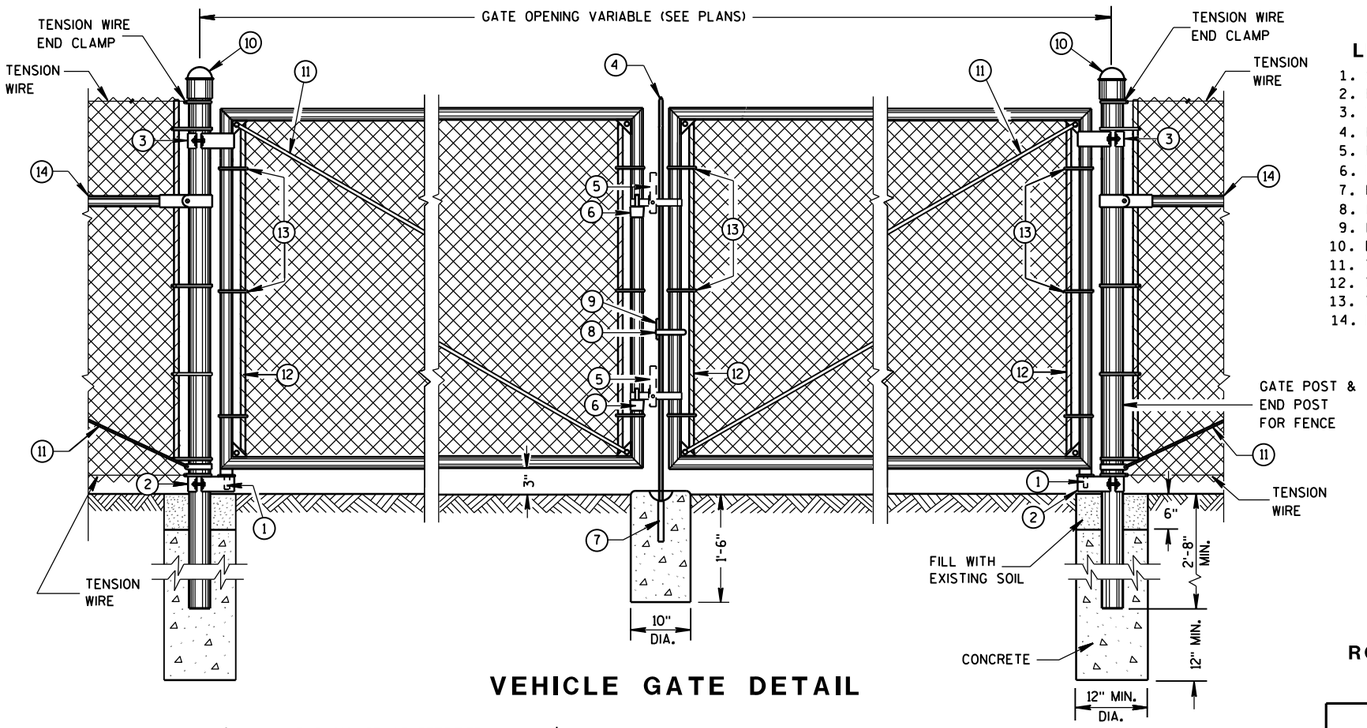
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

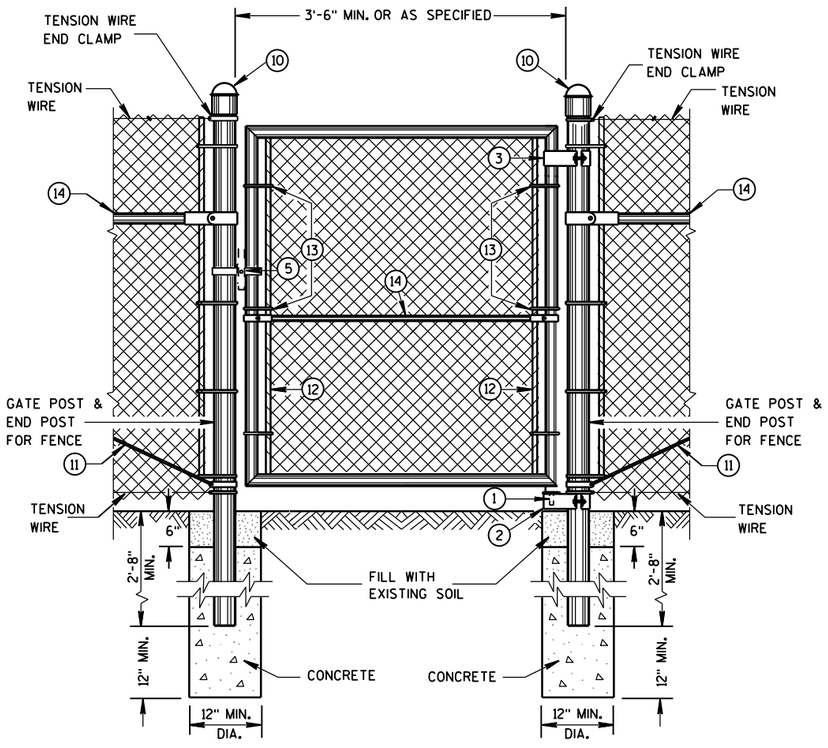
FHWA

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SDD 14B07-16n



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

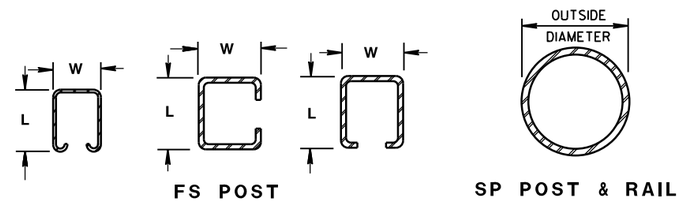
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

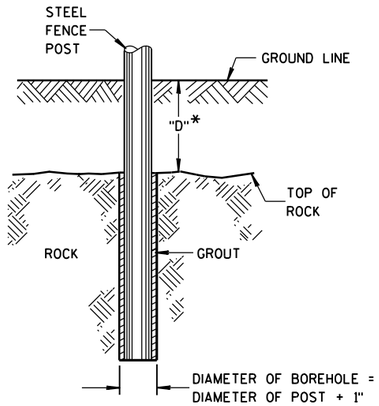
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 912

6

S.D.D. 15 B 3-15a

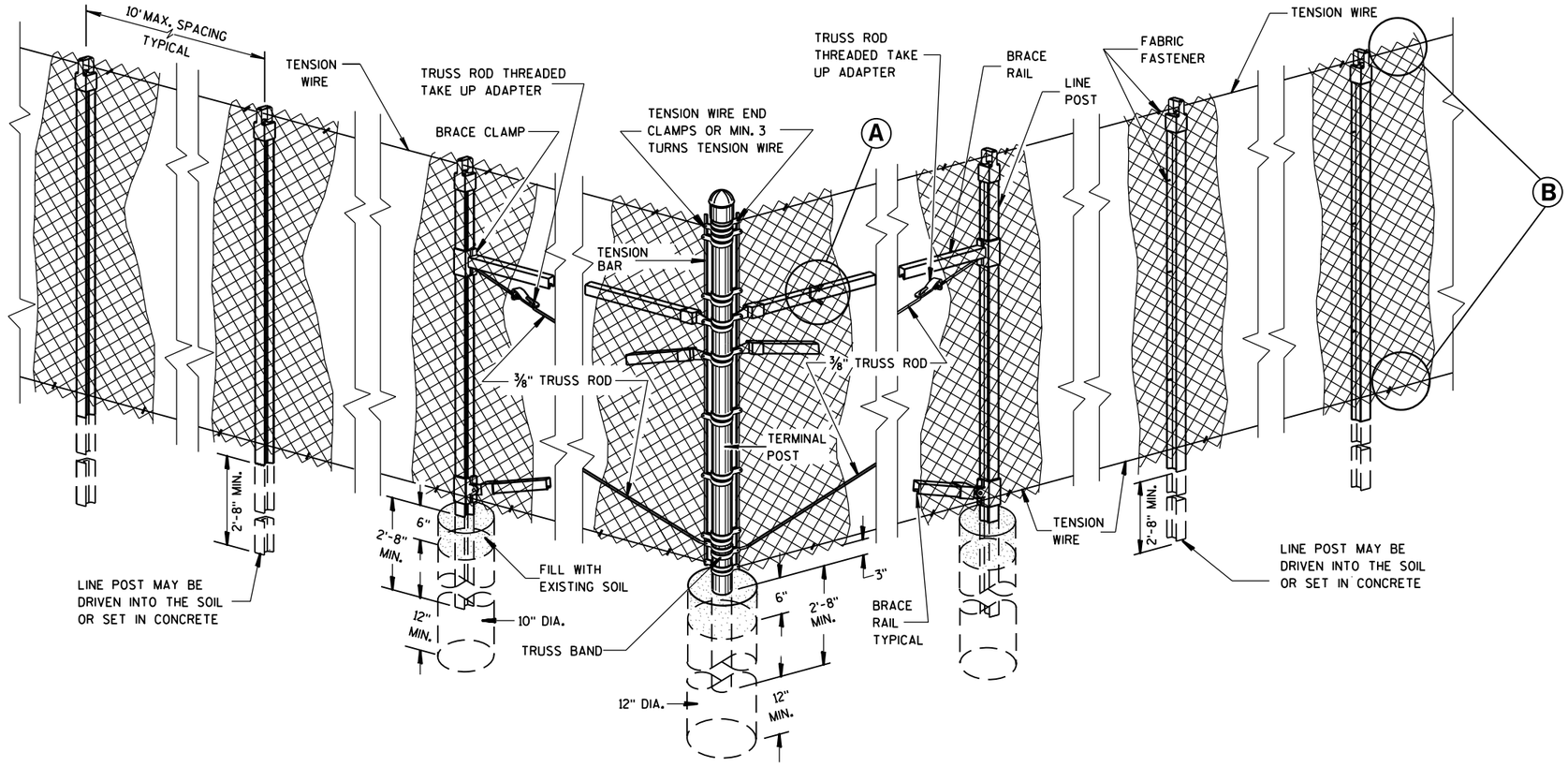
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S.D.D. 15 B 3-15a

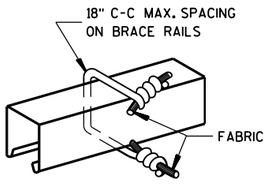


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



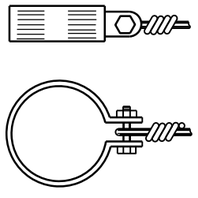
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



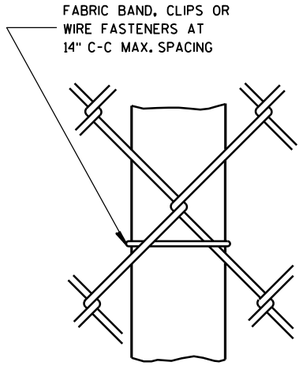
BRACE RAIL

FABRIC FASTENER

Ⓐ



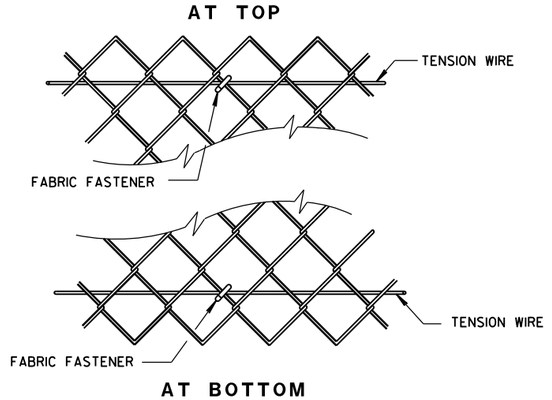
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

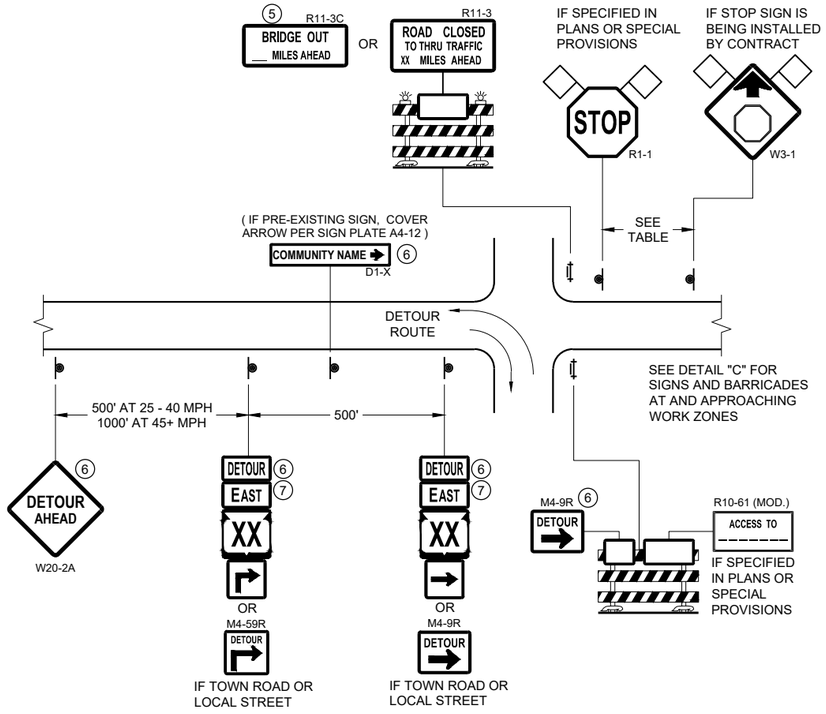
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S.D.D. 15 B 3-15b

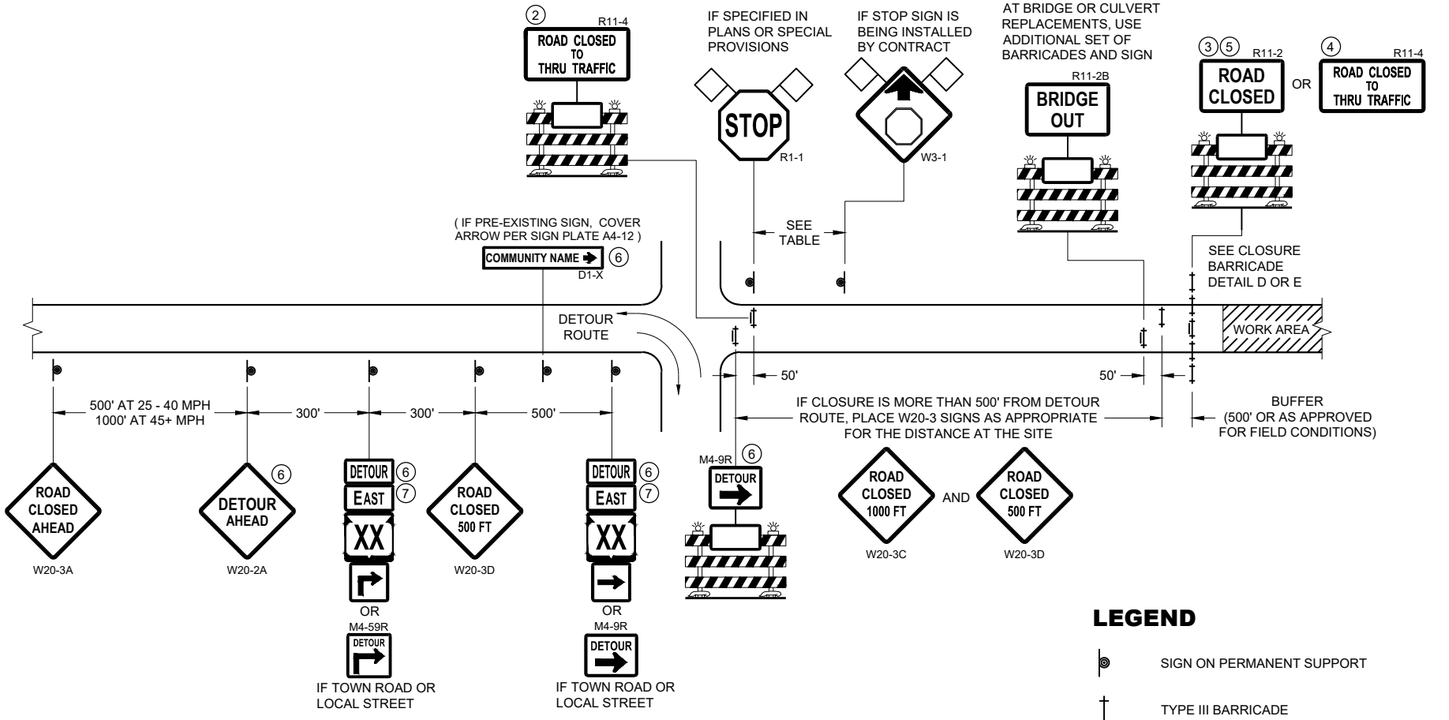
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S.D.D. 15 B 3-15b



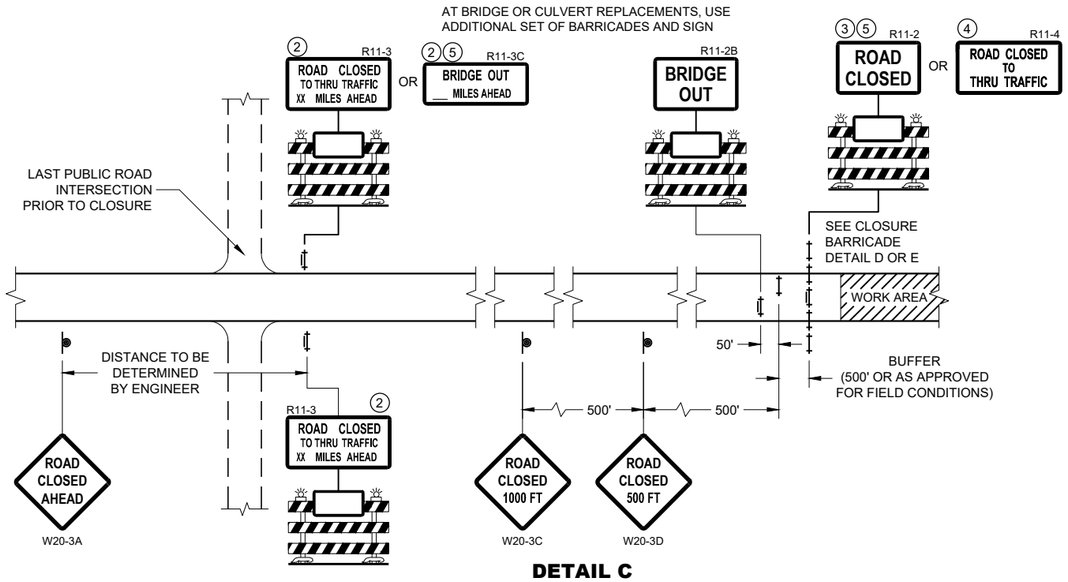
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

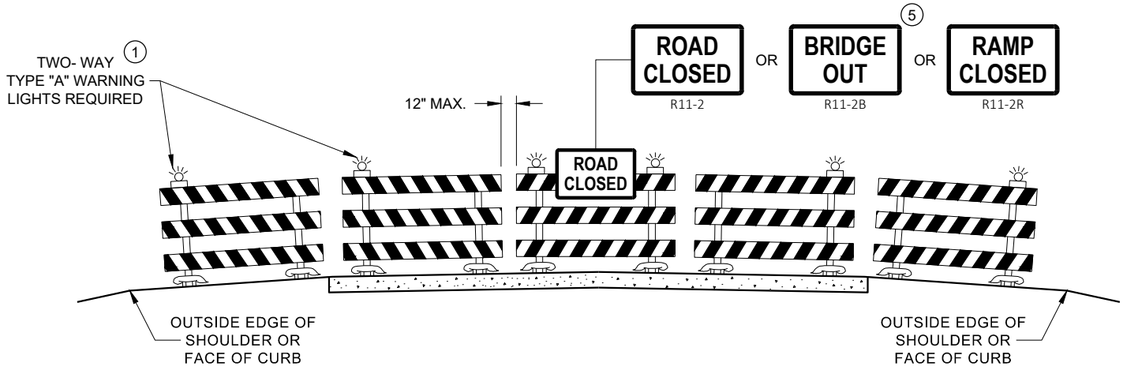
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

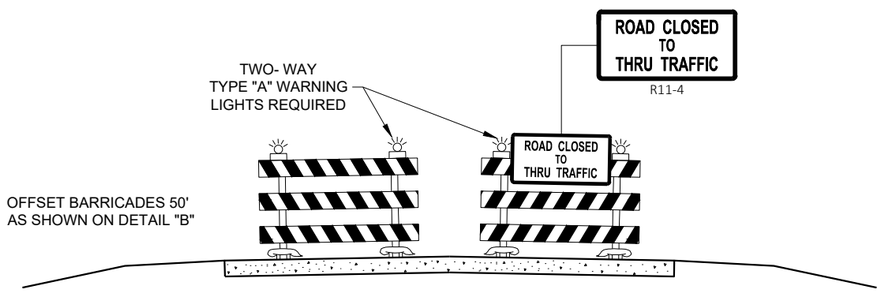
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SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 915
FHWA

6

SDD 15C02 - 09b

6

SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4; XX — M1 - 6; COUNTY X — M1 - 5A
- M05 - 1; M06 - 1; M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

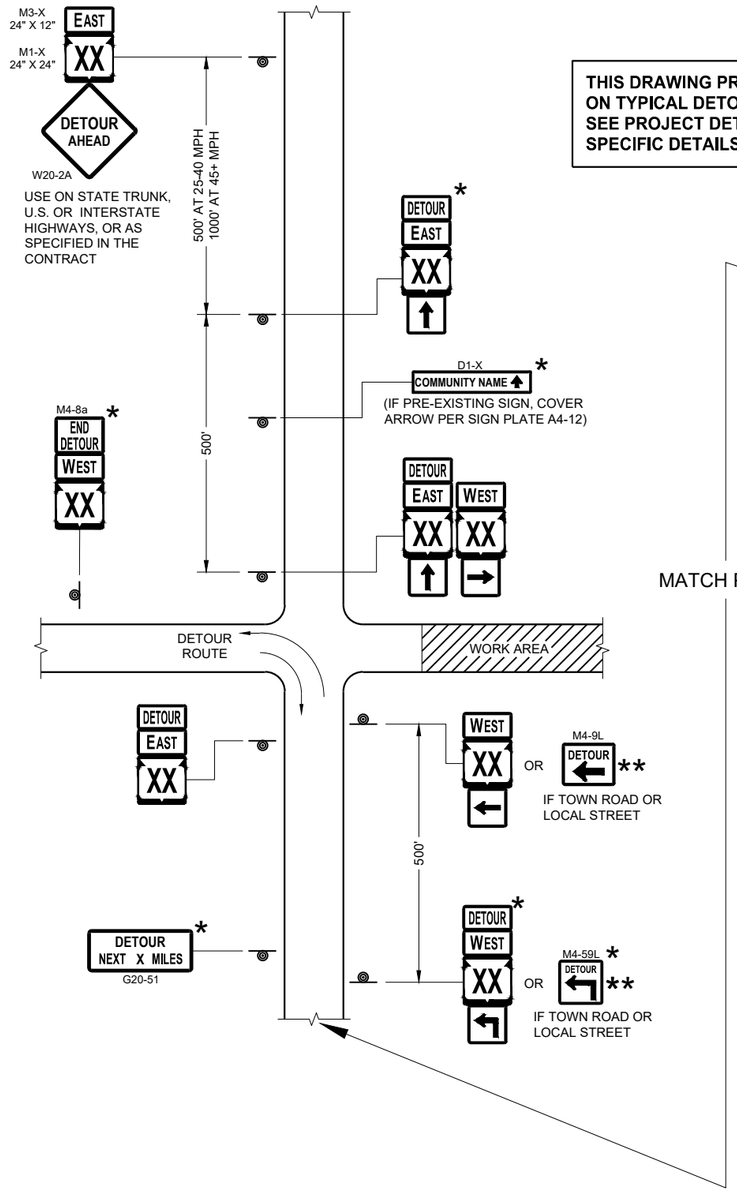
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

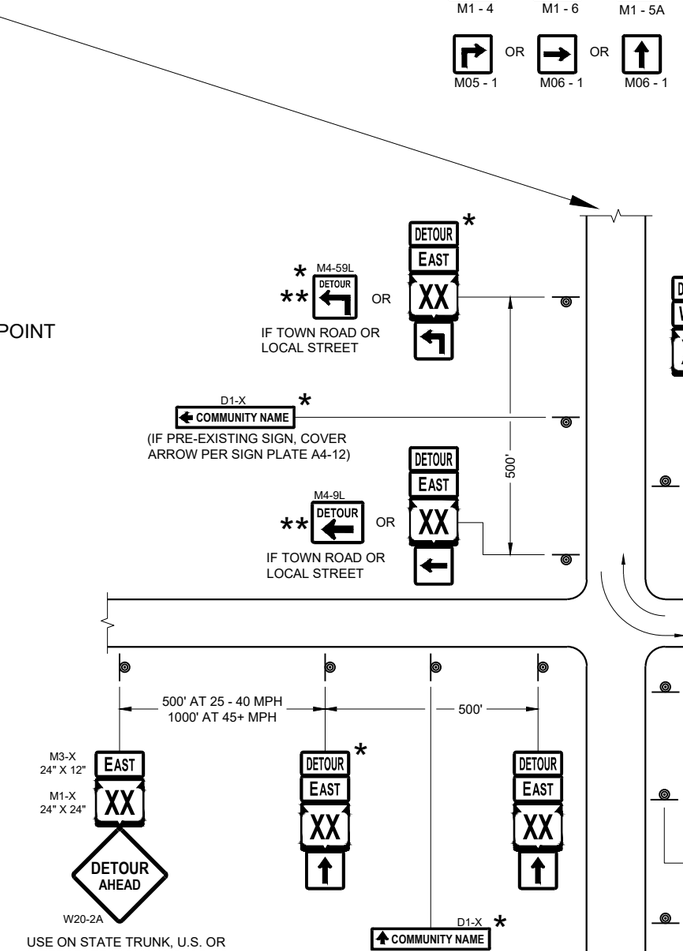
SIGN SIZES SHALL BE AS FOLLOWS:

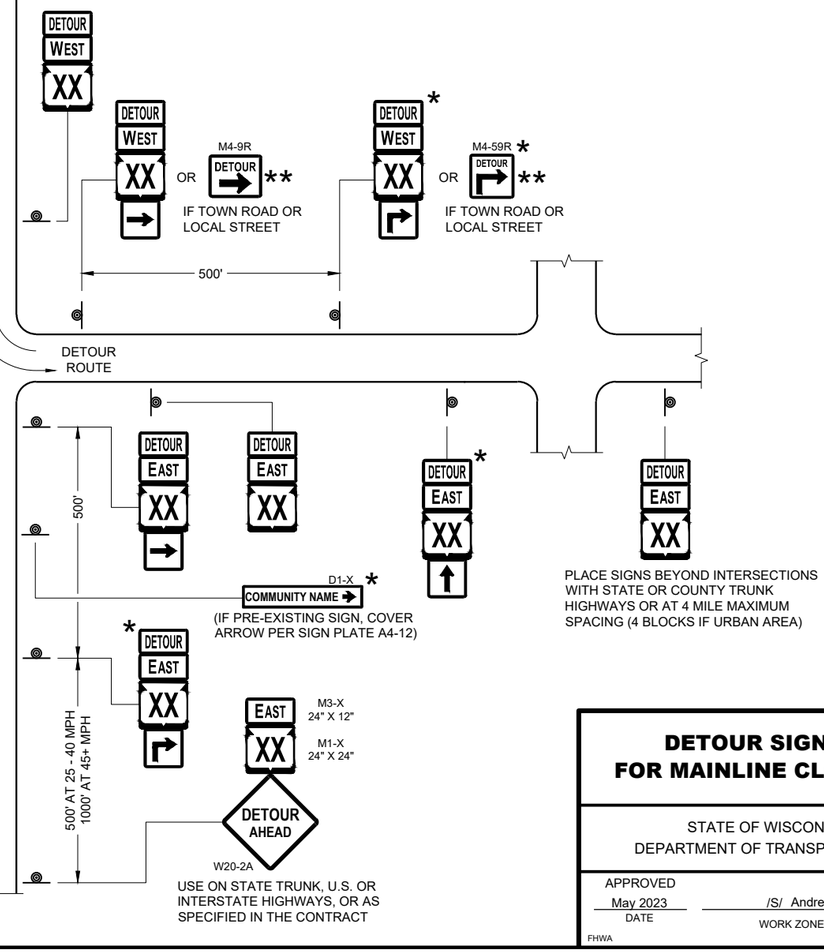
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

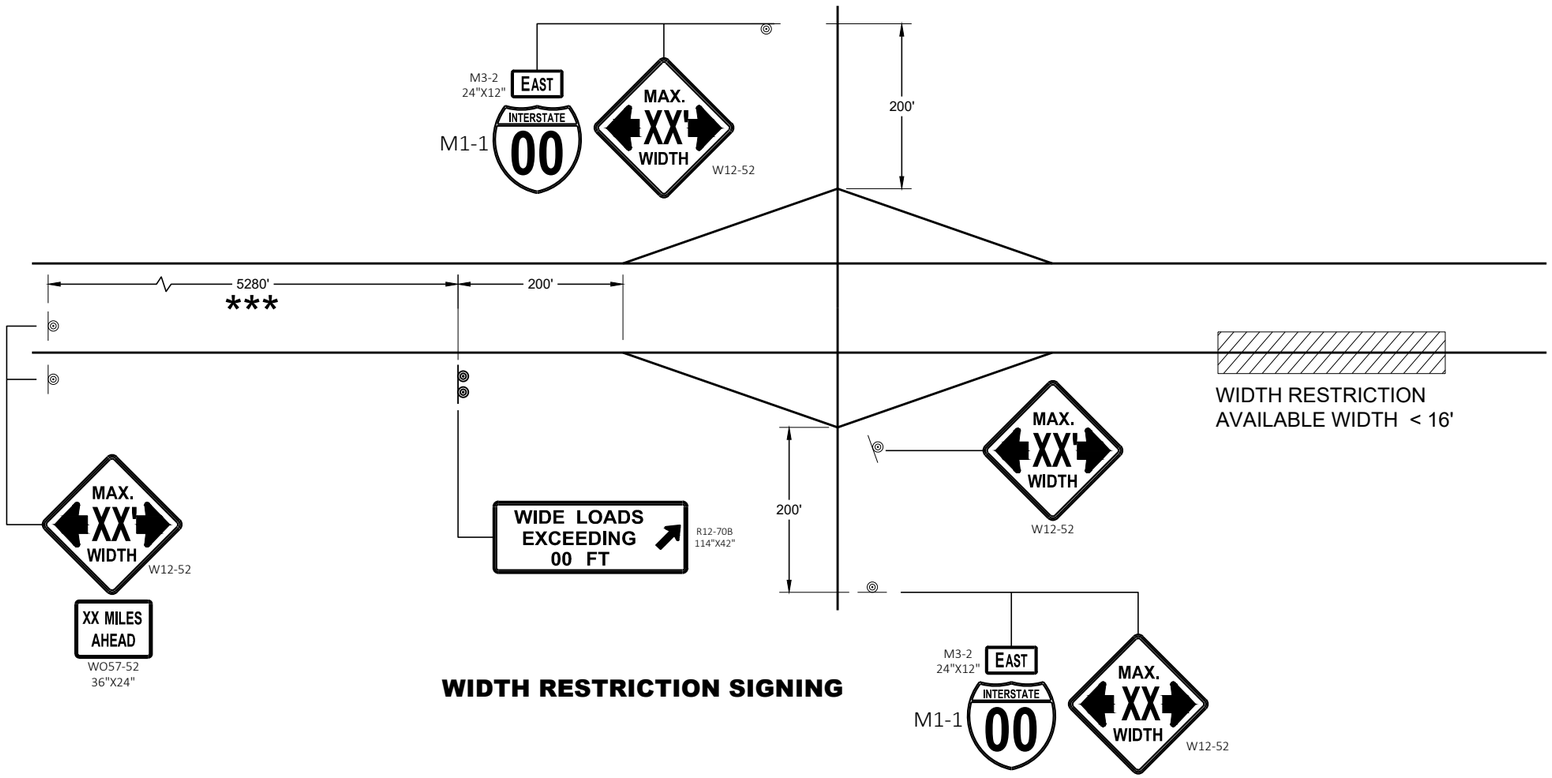
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

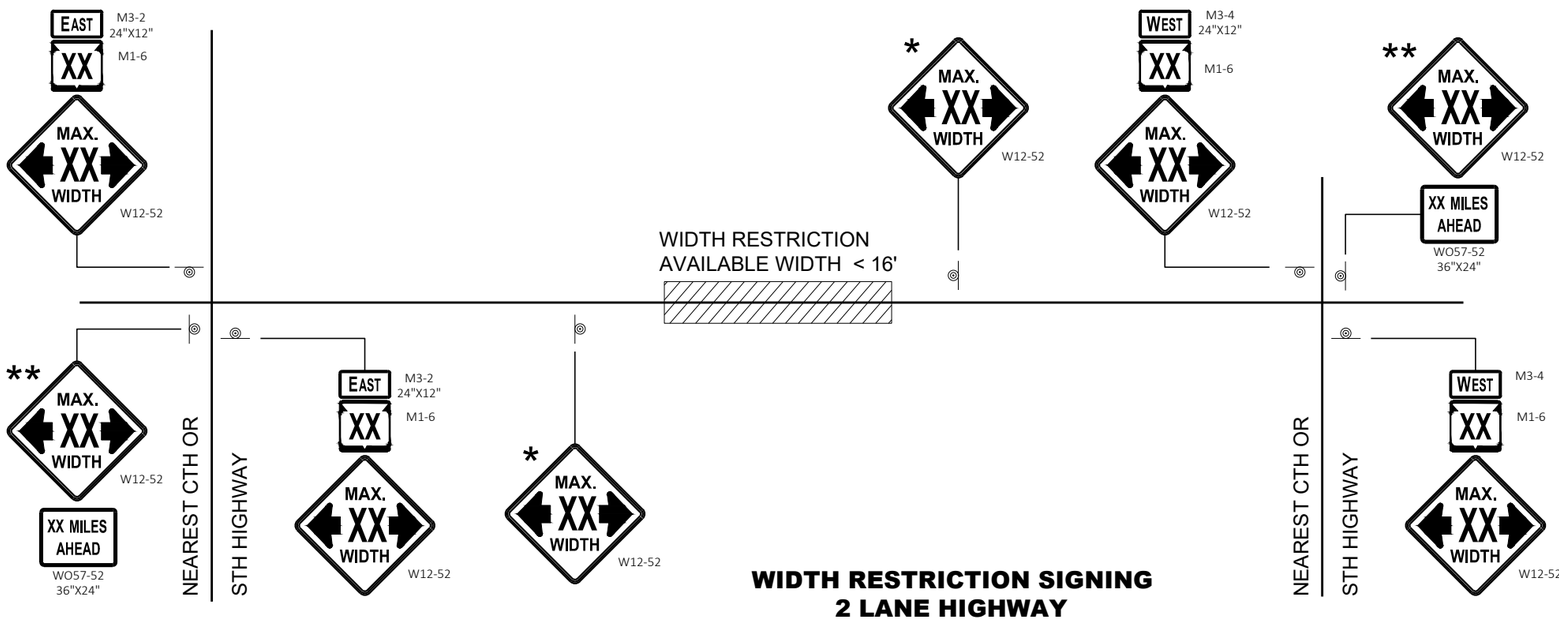
FHWA

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SDD 15C02 - 09c



WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
917

FHWA

6

SDD 15C02 - 09f

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

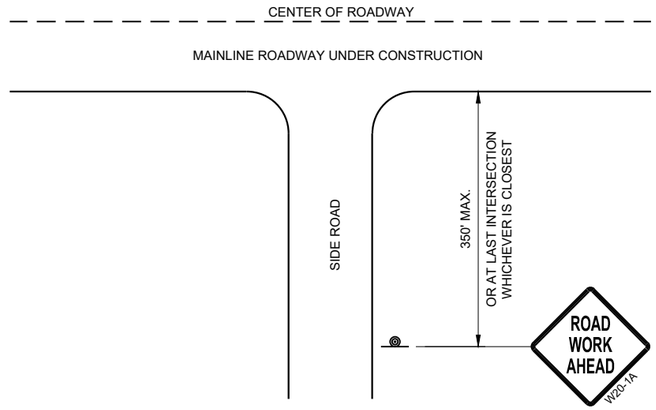
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



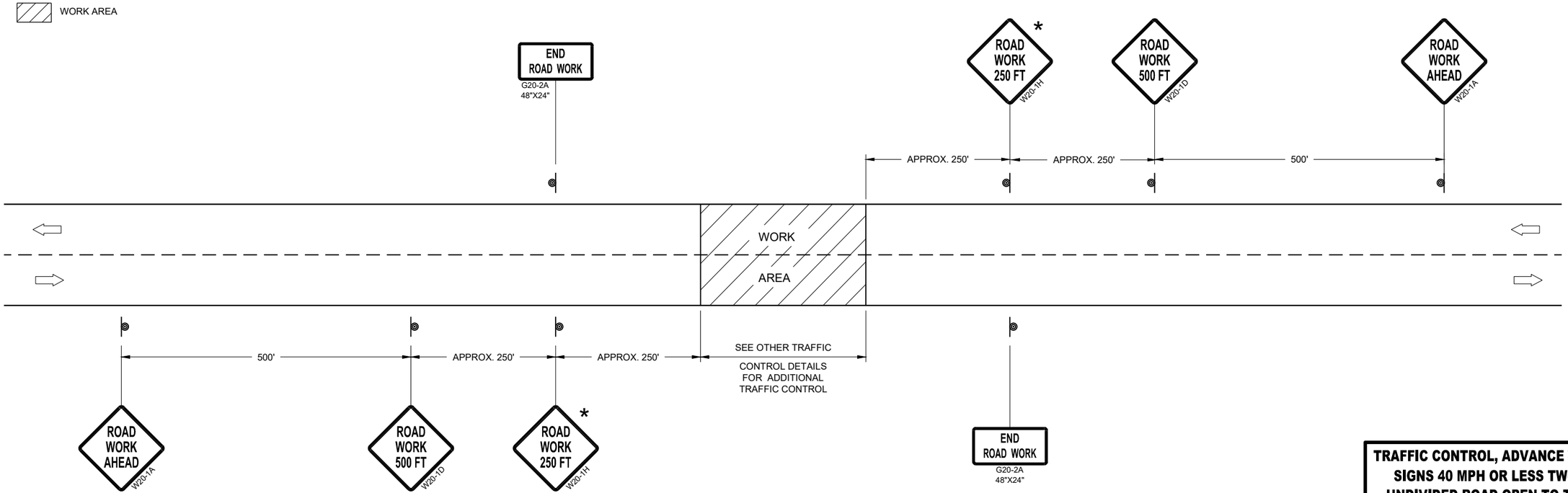
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

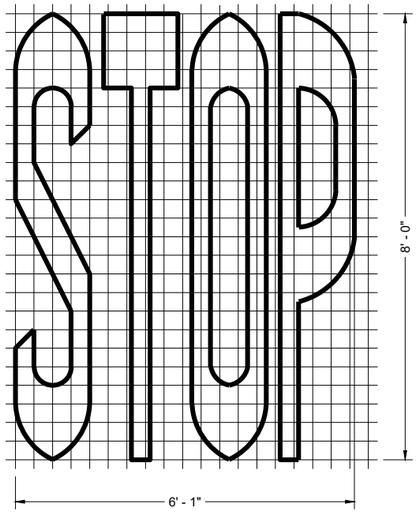
TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

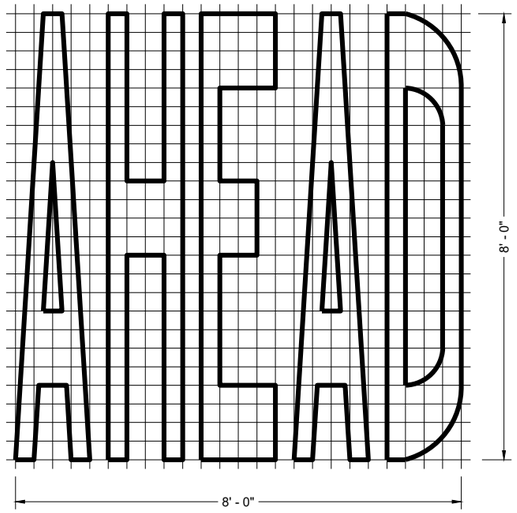
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

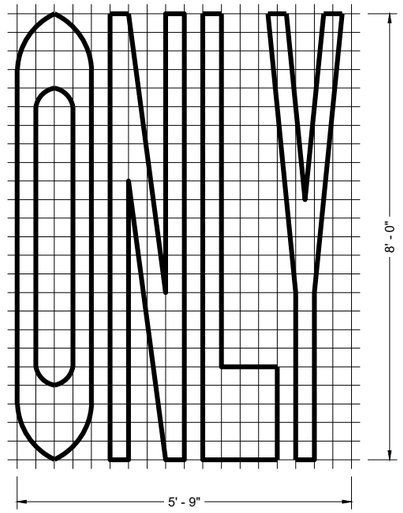
APPROVED
July 2018
DATE

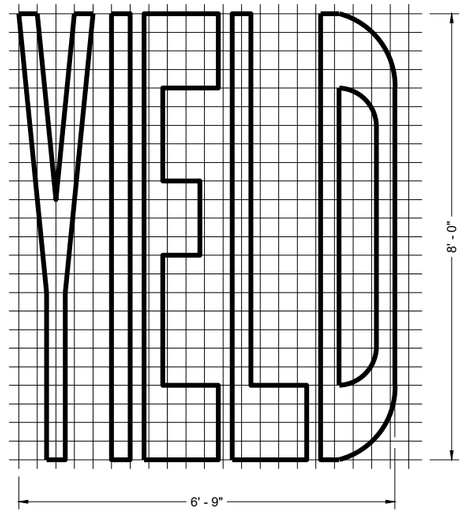
/S/ Andrew Heidtke
WORK ZONE ENGINEE

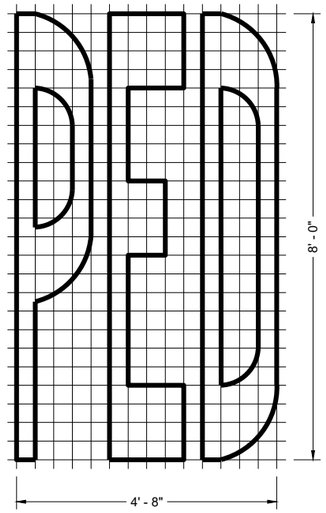
FHWA

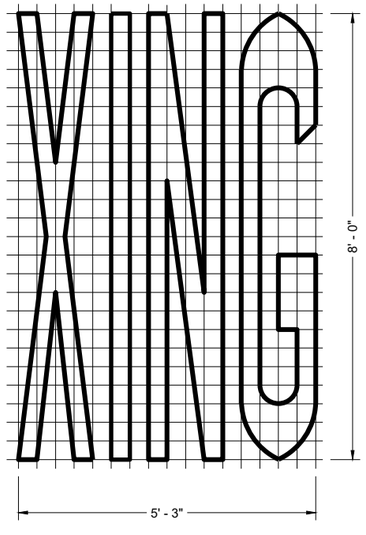


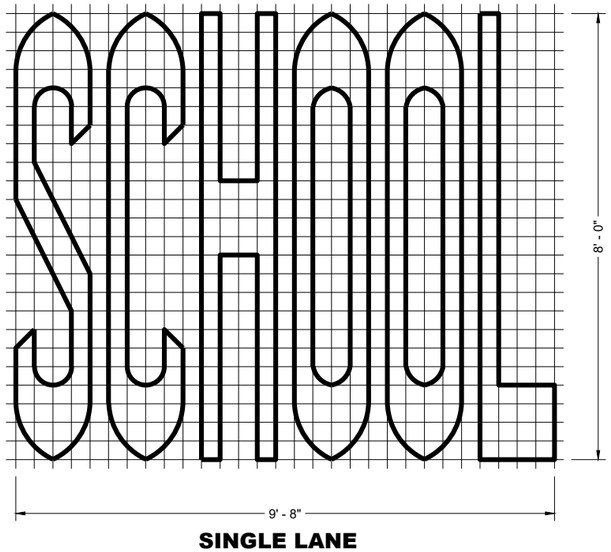




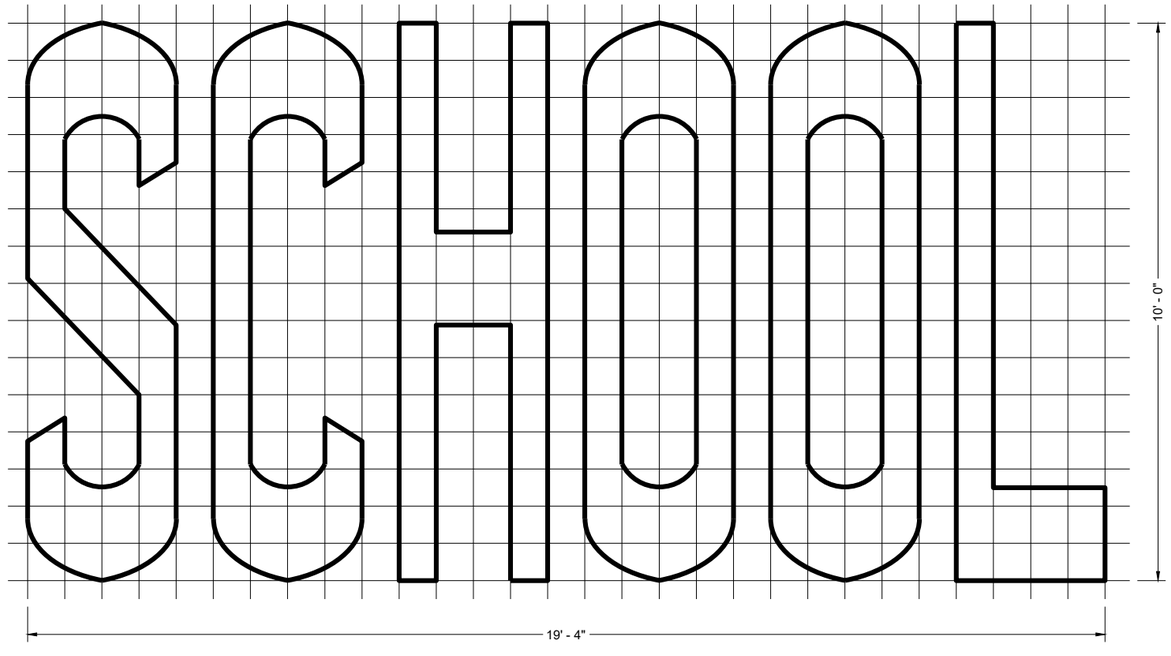








SINGLE LANE



TWO - LANE

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

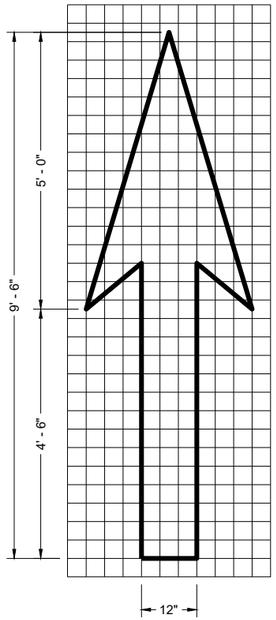
FHWA

6

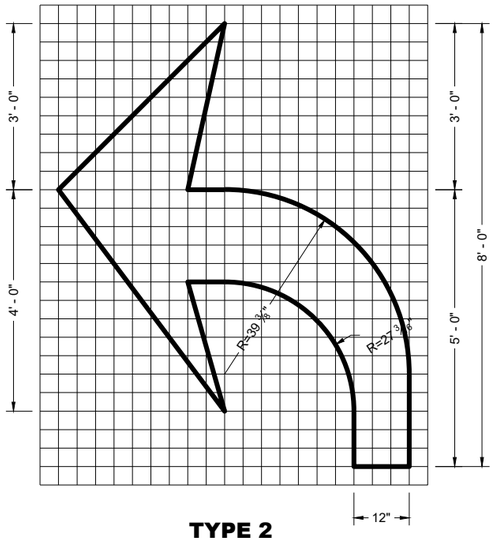
SDD 15C07-16b

GENERAL NOTES

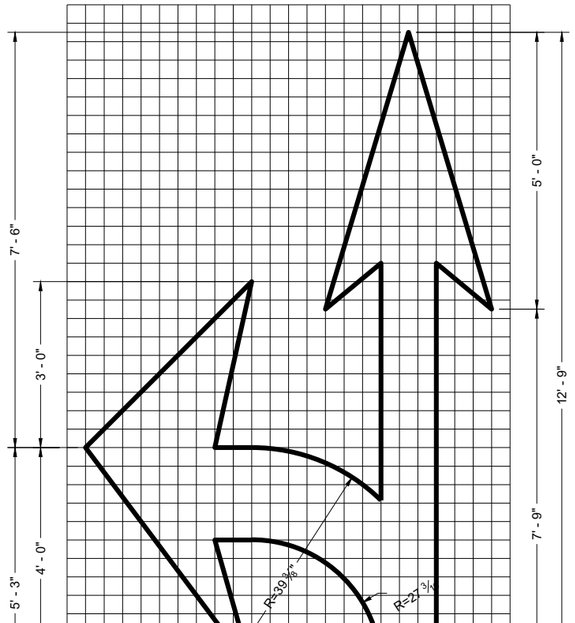
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



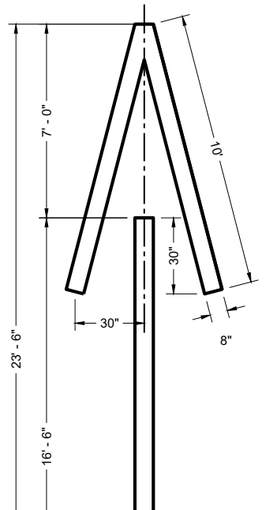
TYPE 1



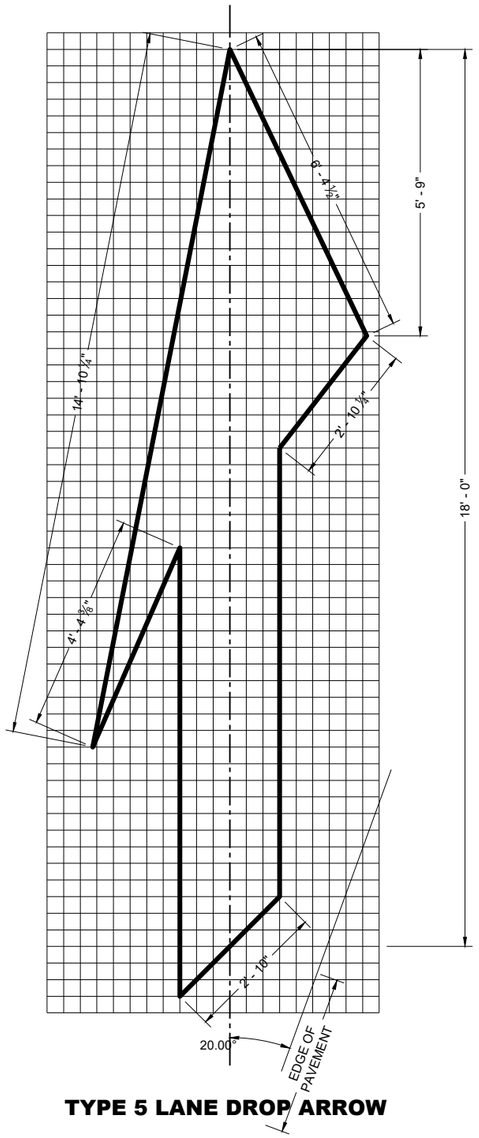
TYPE 2



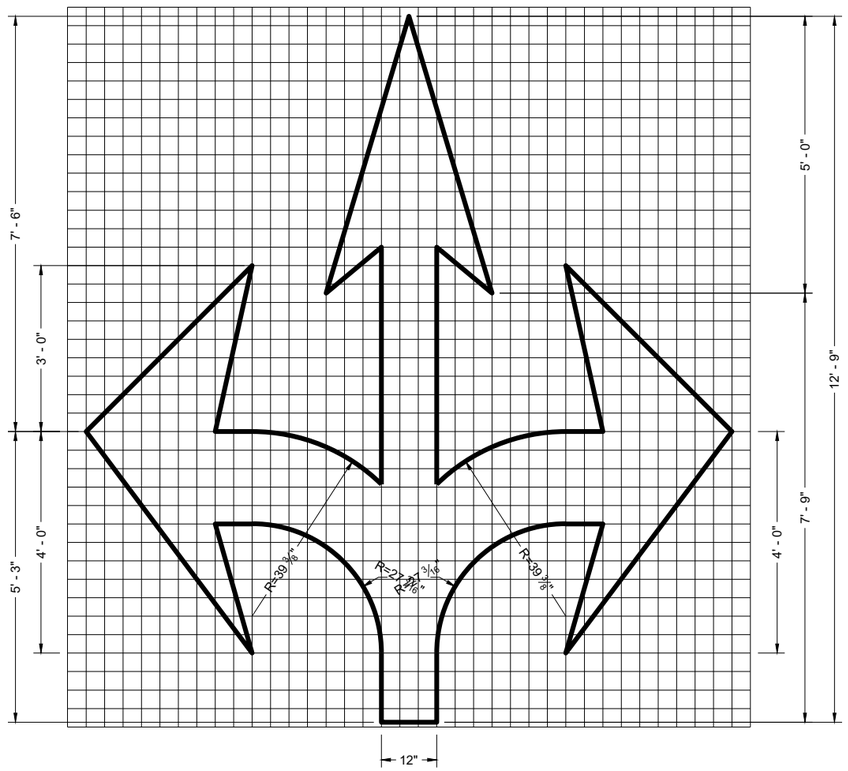
TYPE 3



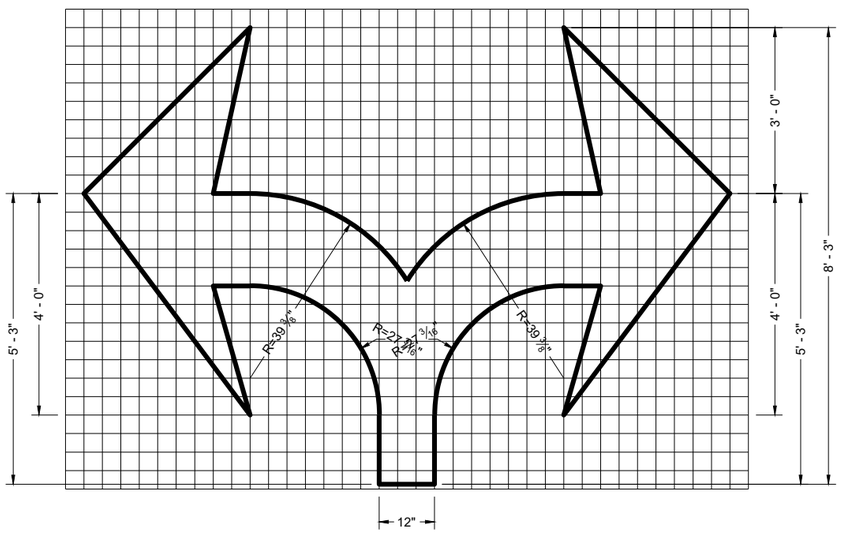
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

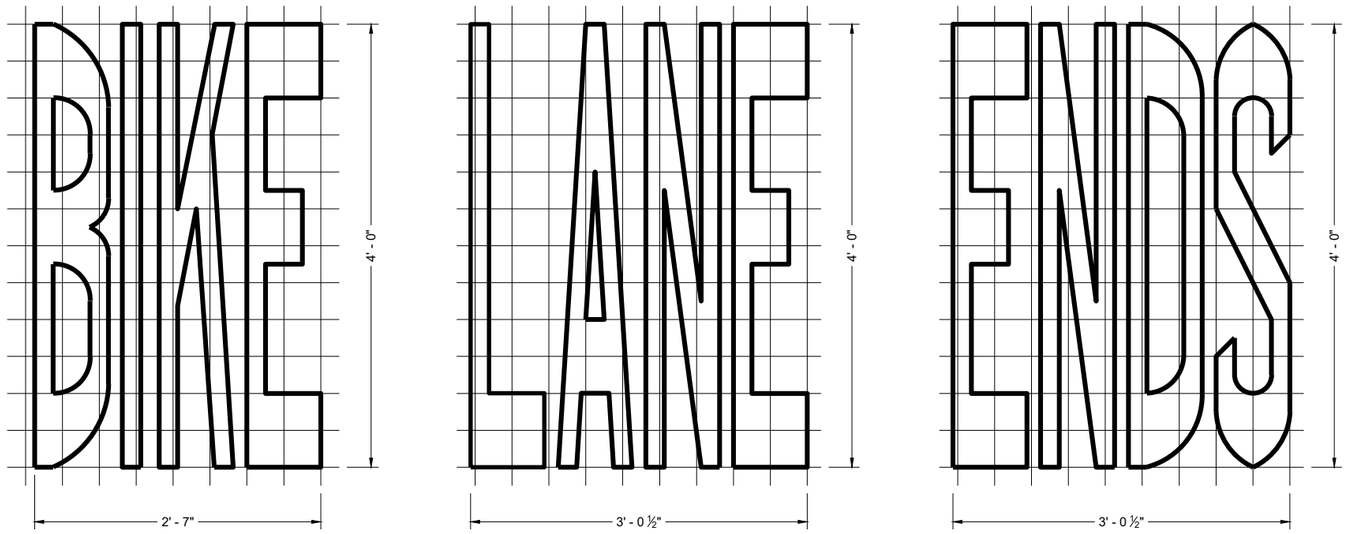
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SDD 15C07-16c

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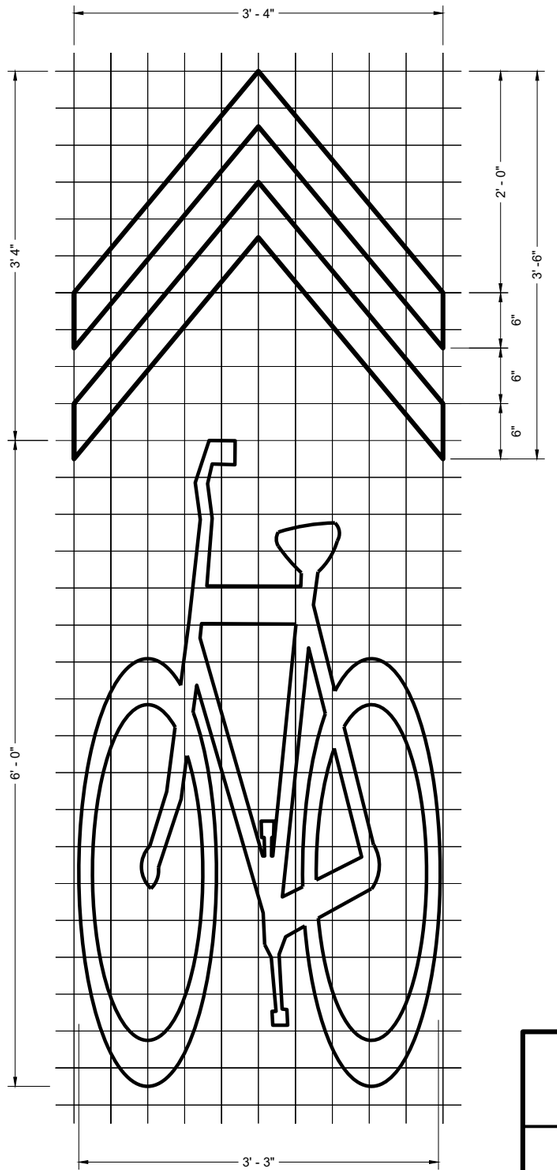
SDD 15C07-16c



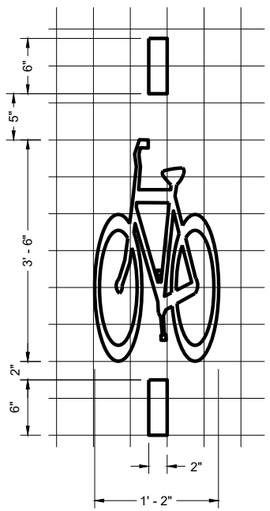
BIKE LANE WORDS

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2024
DATE

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SDD 15C07-16e

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

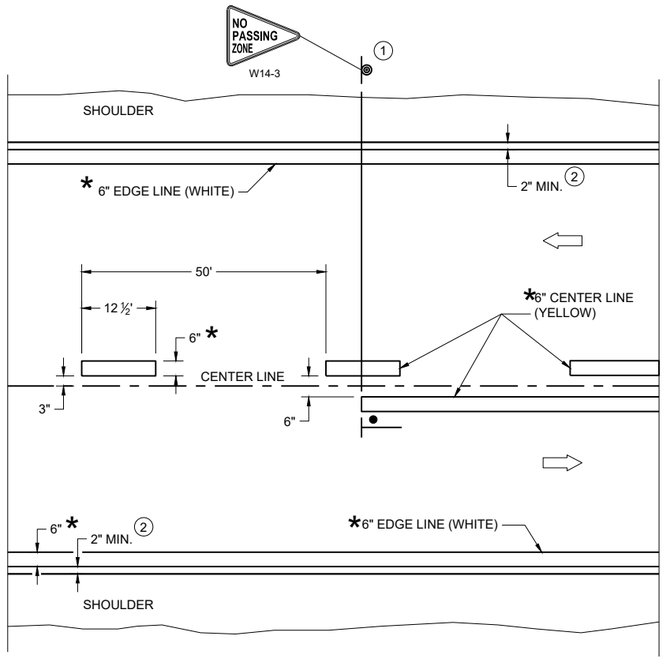
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

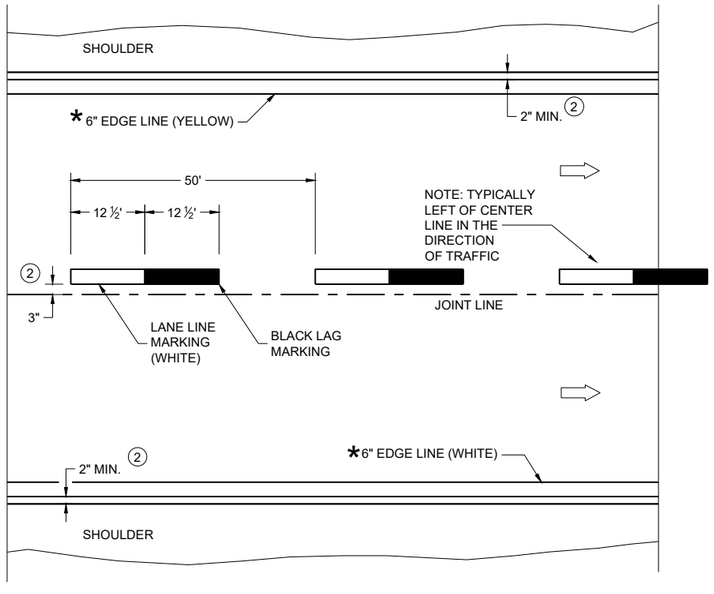
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

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SDD 15C08-23a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

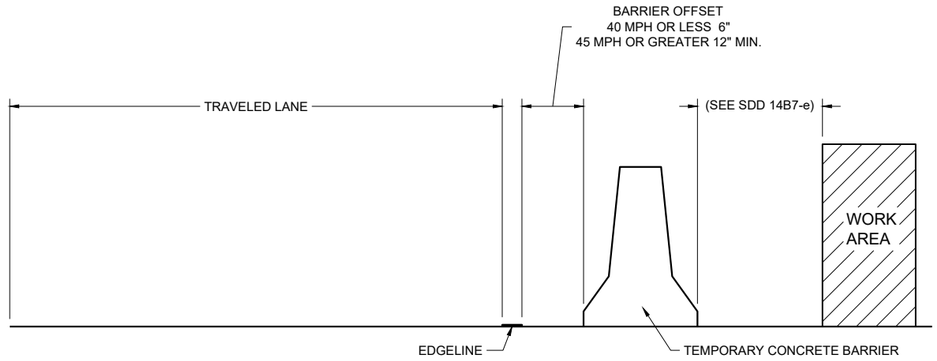
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

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TEMPORARY BARRIER OFFSET FROM EDGELINE

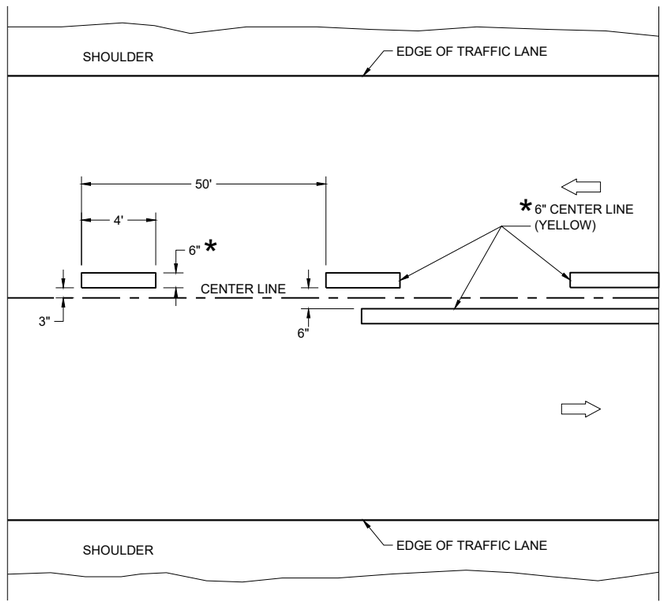
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

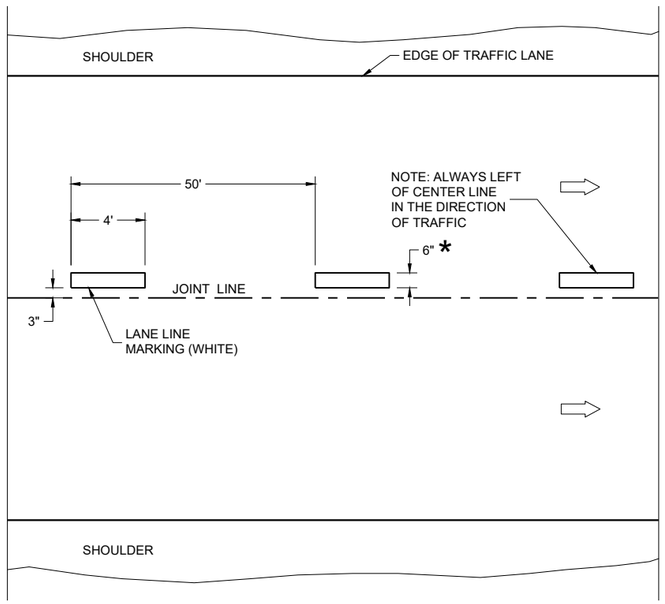
LEGEND

DIRECTION OF TRAFFIC

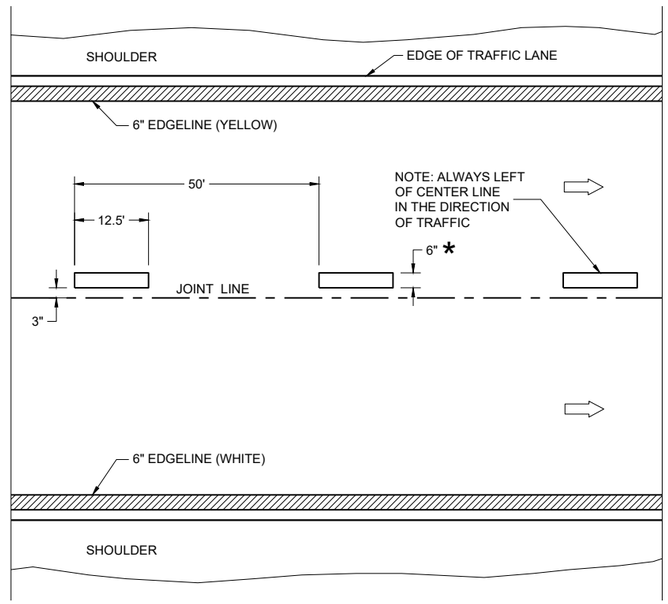
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer

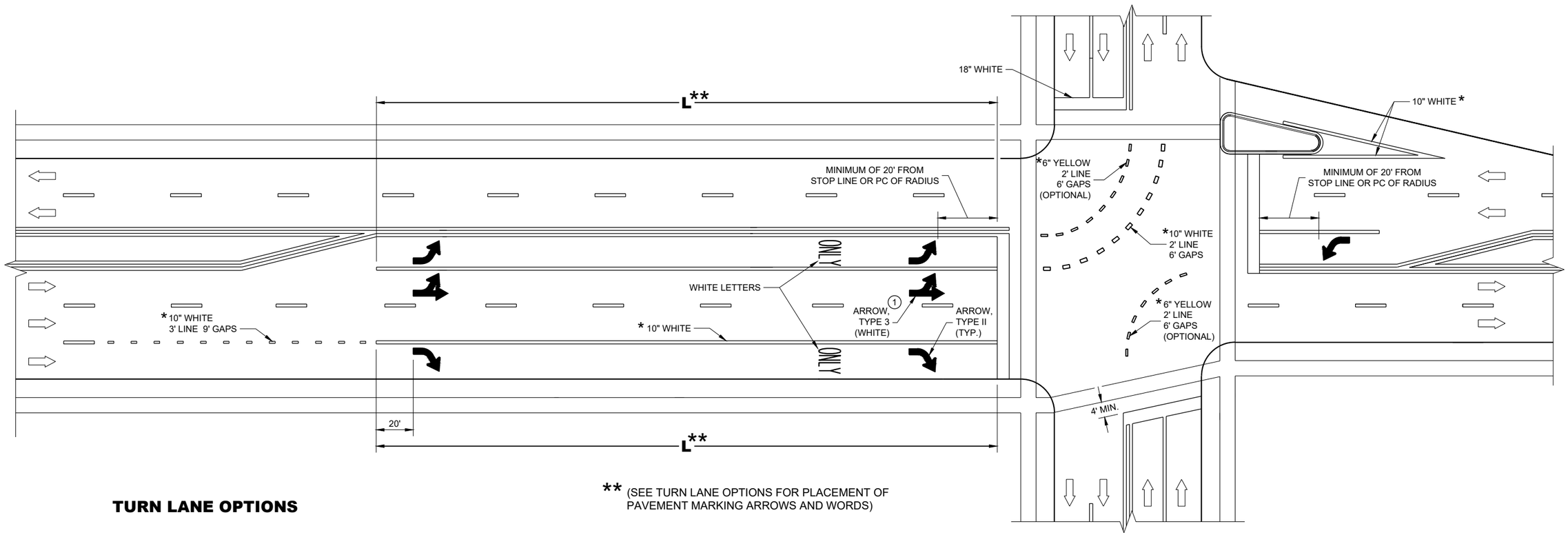
FHWA

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SDD 15C08-23b

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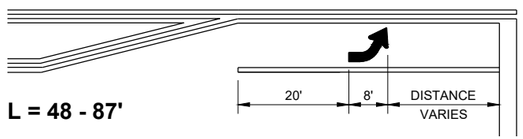
SDD 15C08-23b



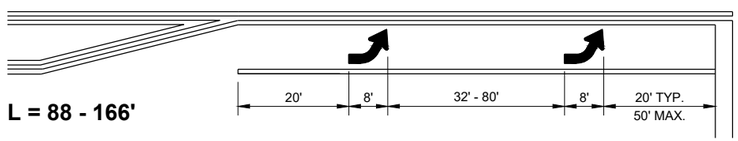
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

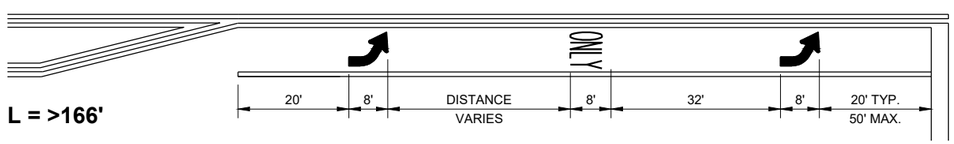
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

(1) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

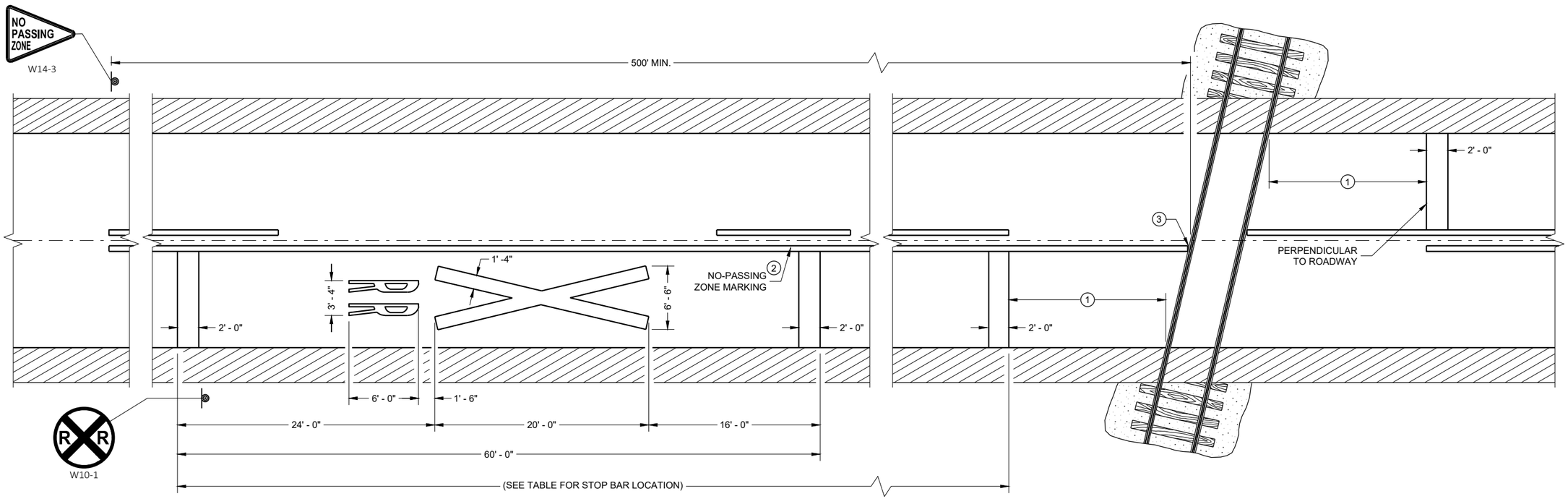
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

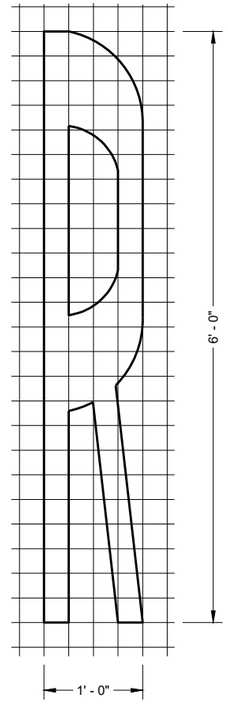
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15C08-23d



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

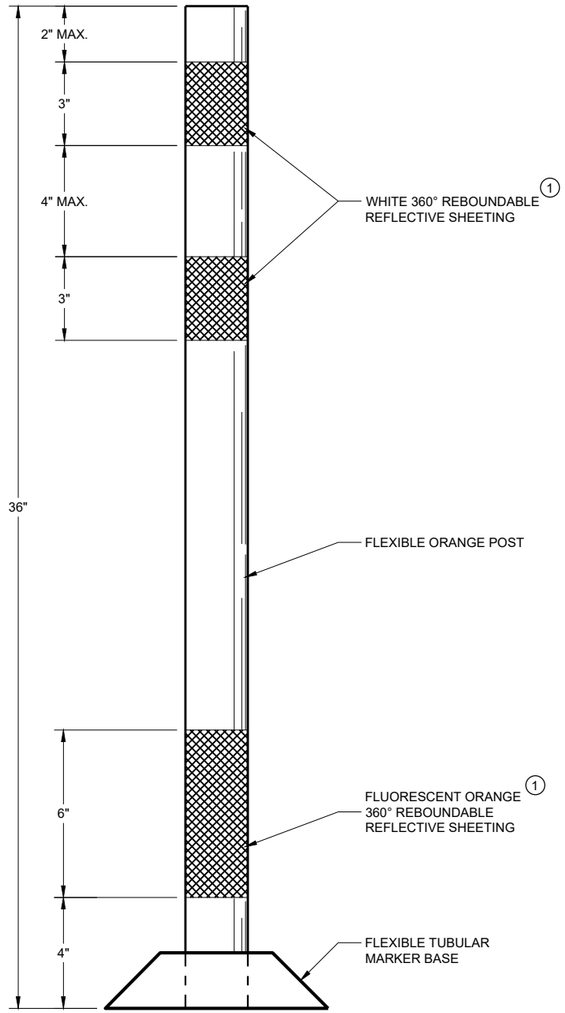
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APPROVED
May 2023 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

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SDD 15C09-13a



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

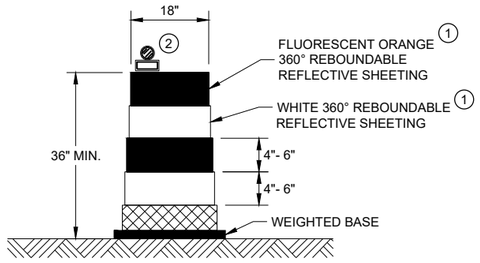
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
926
FHWA

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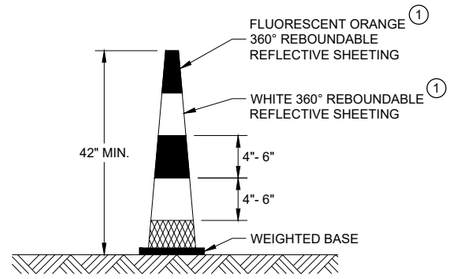
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

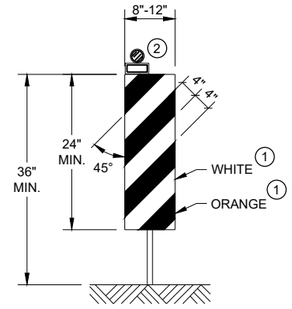
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

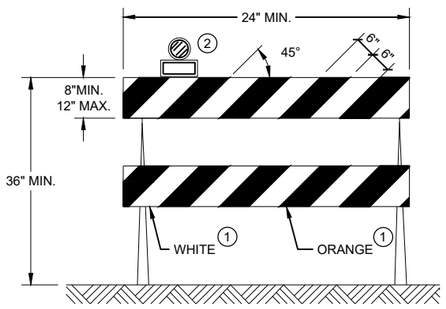
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



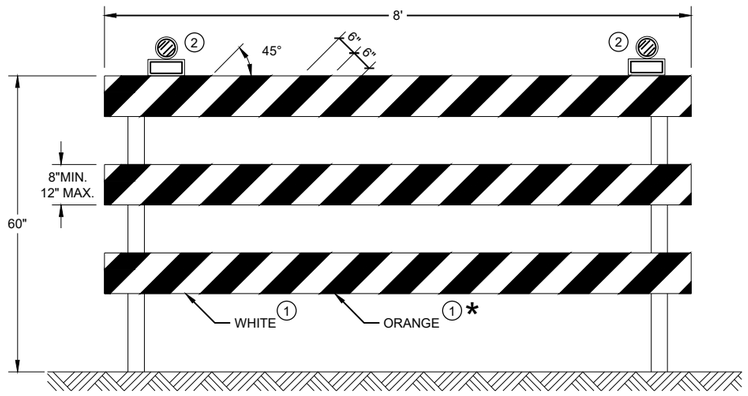
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

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LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

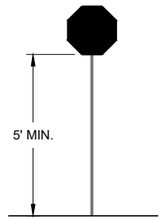
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

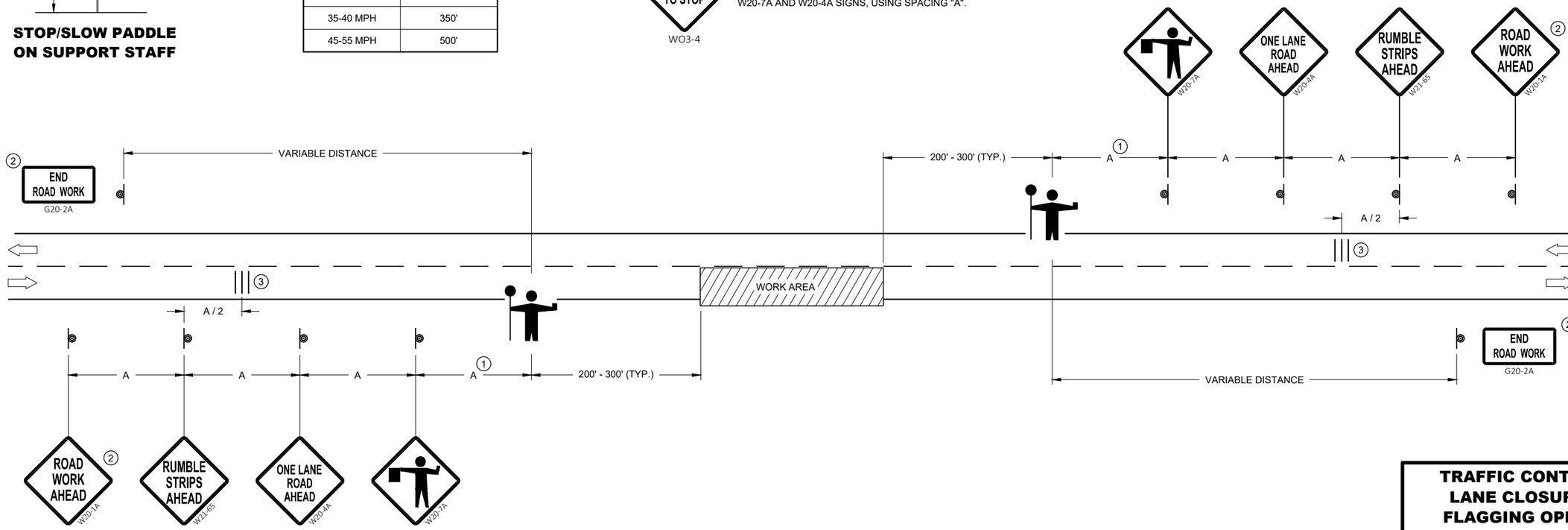
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

928

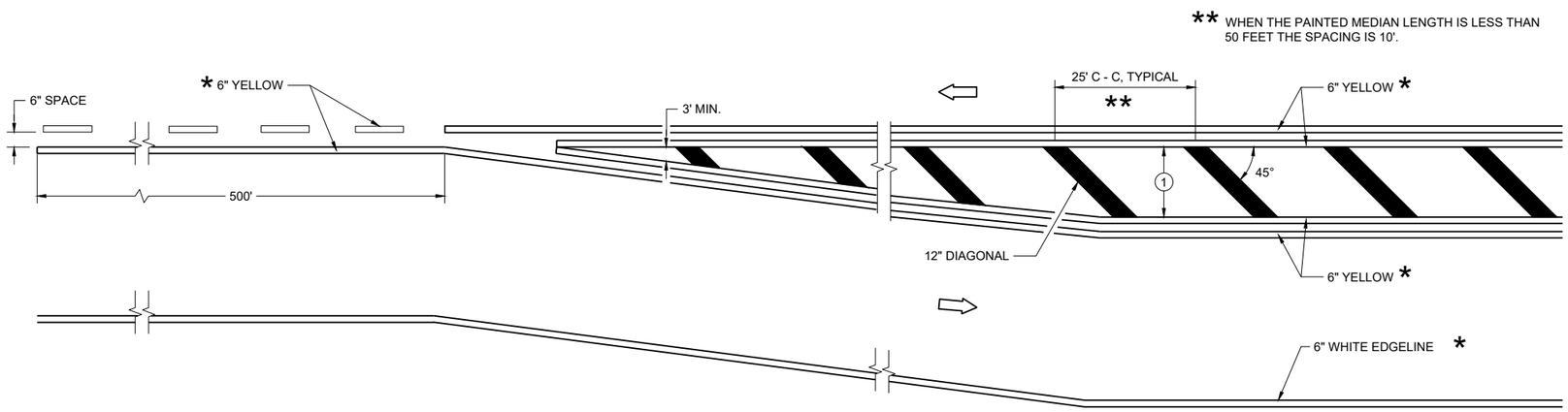
FHWA

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SDD 15C12 - 09a

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SDD 15C12 - 09a



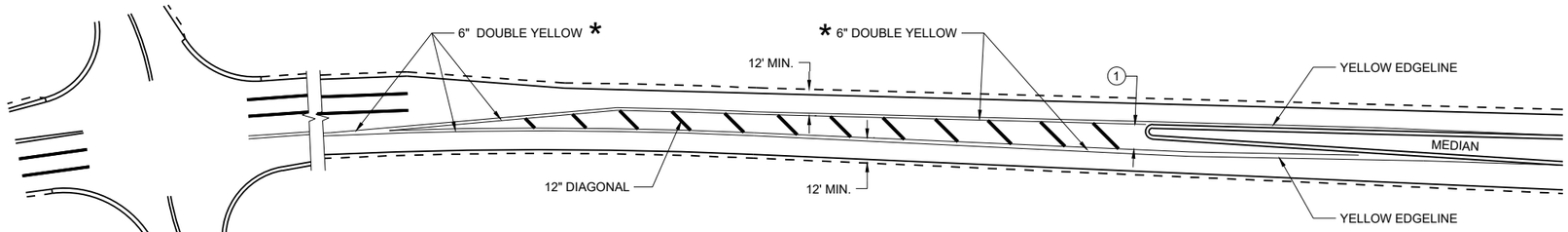
MEDIAN ISLAND DETAIL

GENERAL NOTES

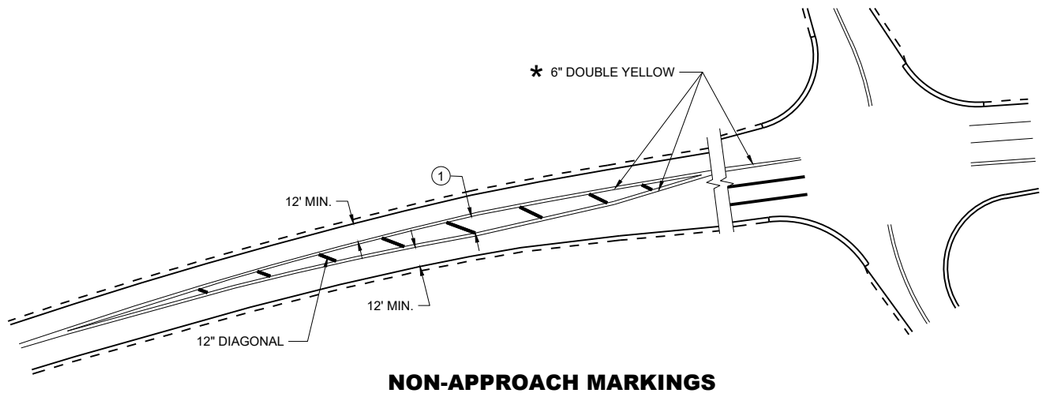
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

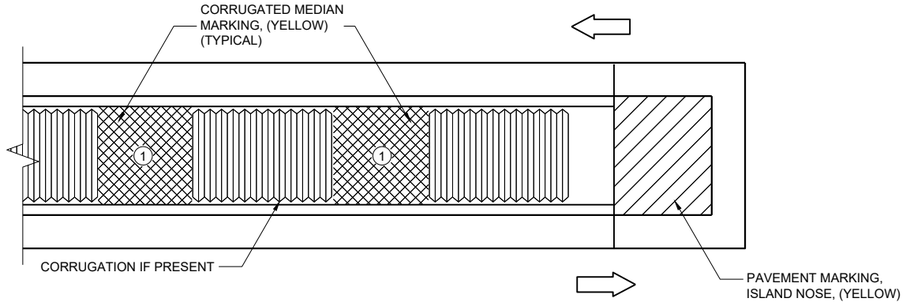
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

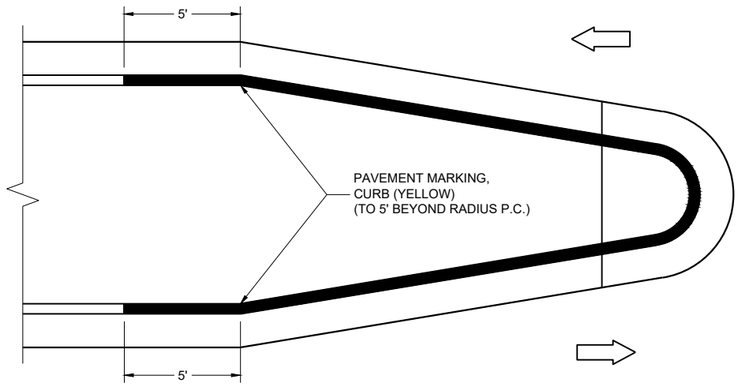
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SDD 15C18-09a

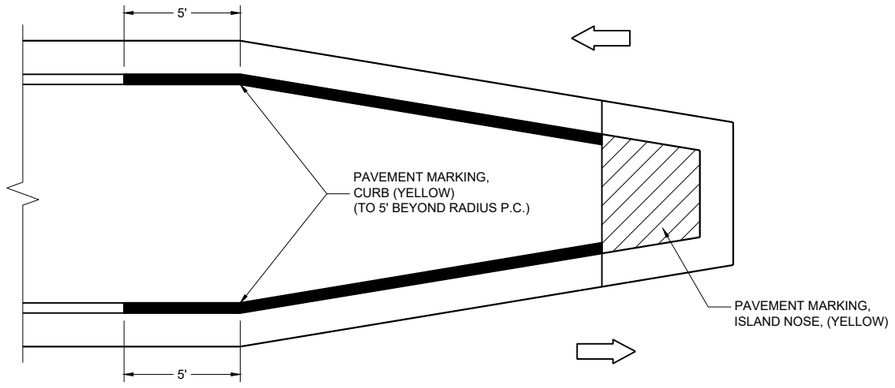
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

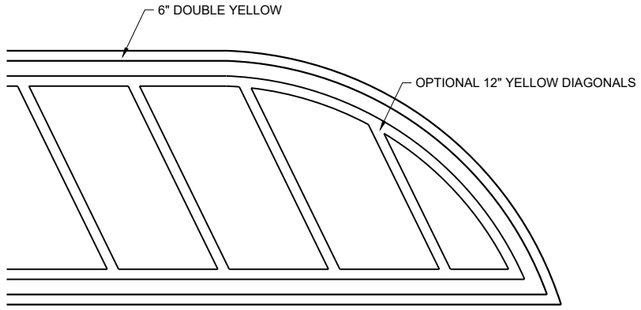
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

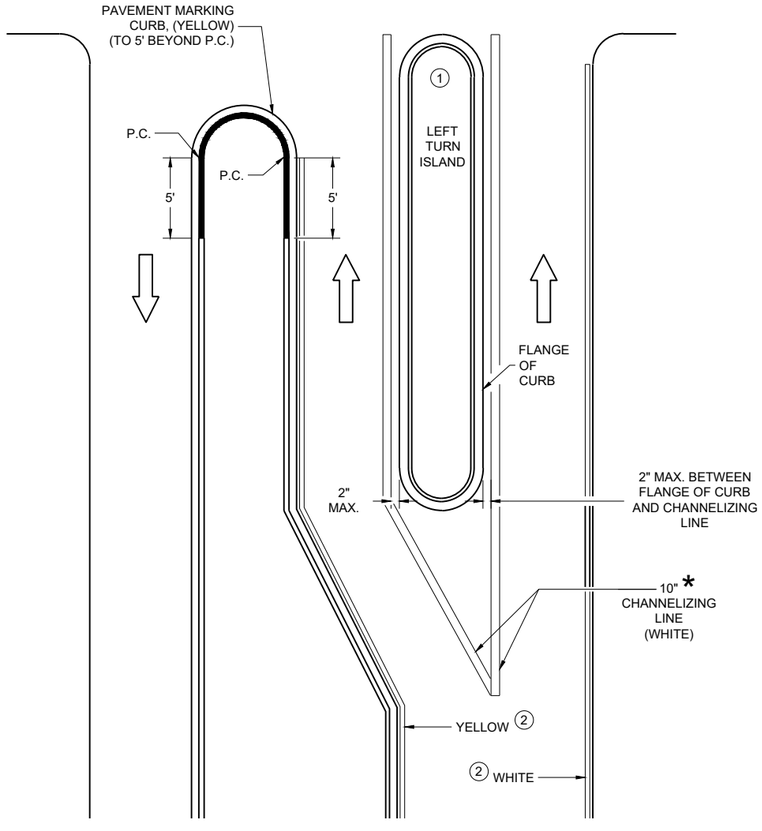
(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

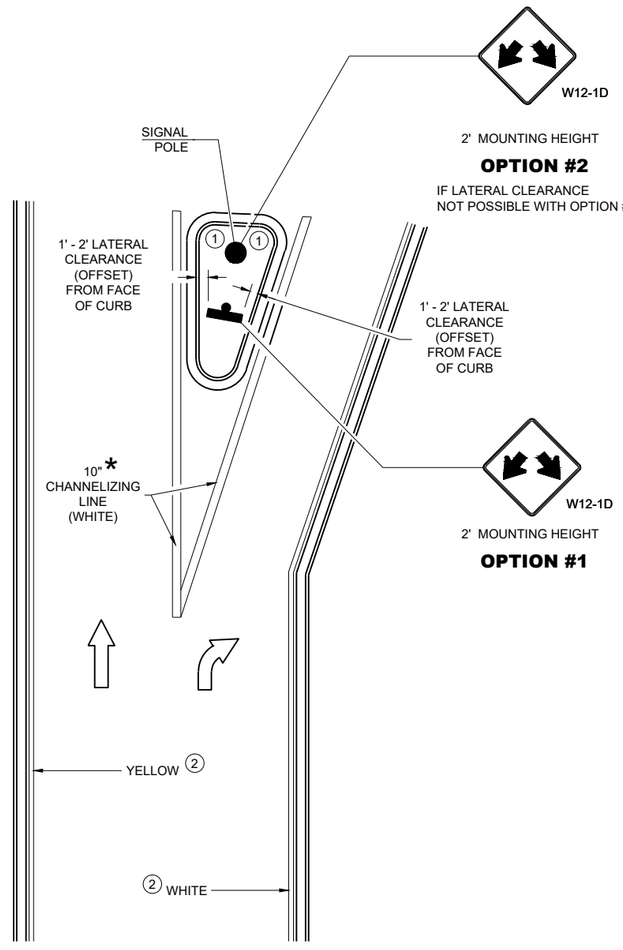
(3) CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

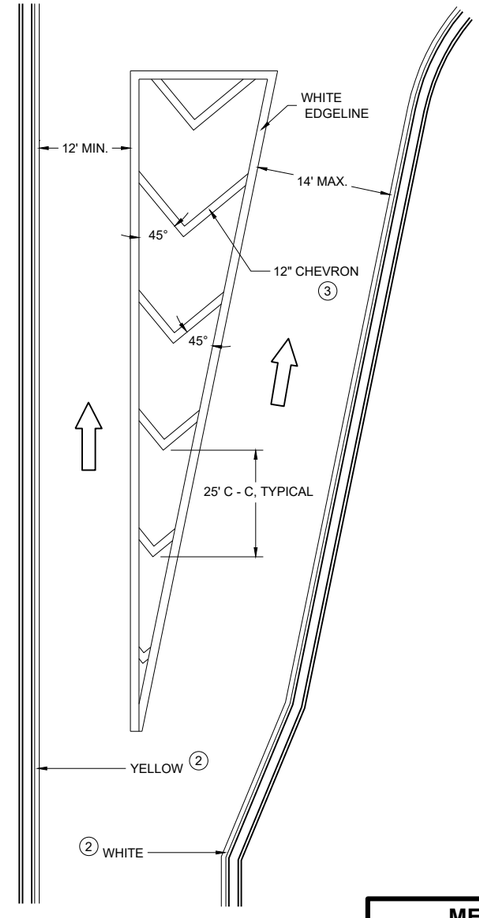
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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SDD 15C18-09c

6

SDD 15C18-09c

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES. FOR CLOSING THE LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1E AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS.

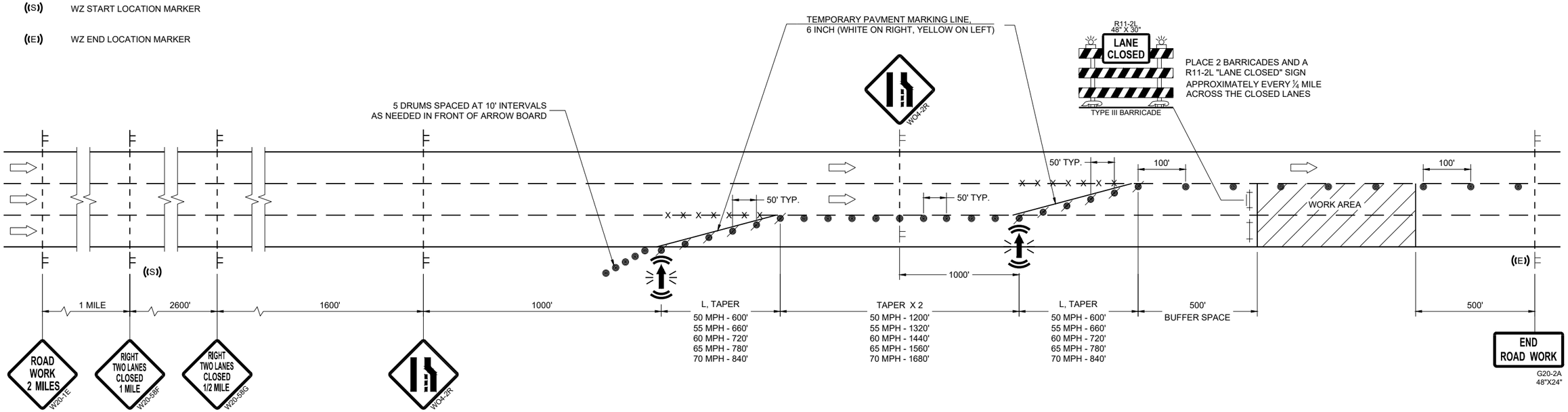
WHEN A RAMP OR SIDE ROAD INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, TWO LANE CLOSURE ON FREEWAY OR EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D14-08

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SDD 15D14-08

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

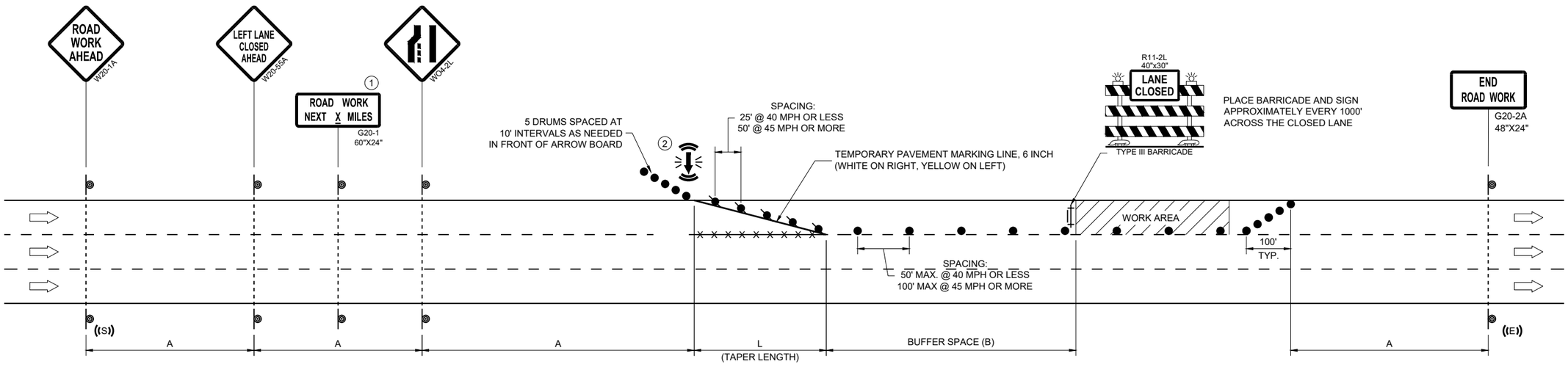
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

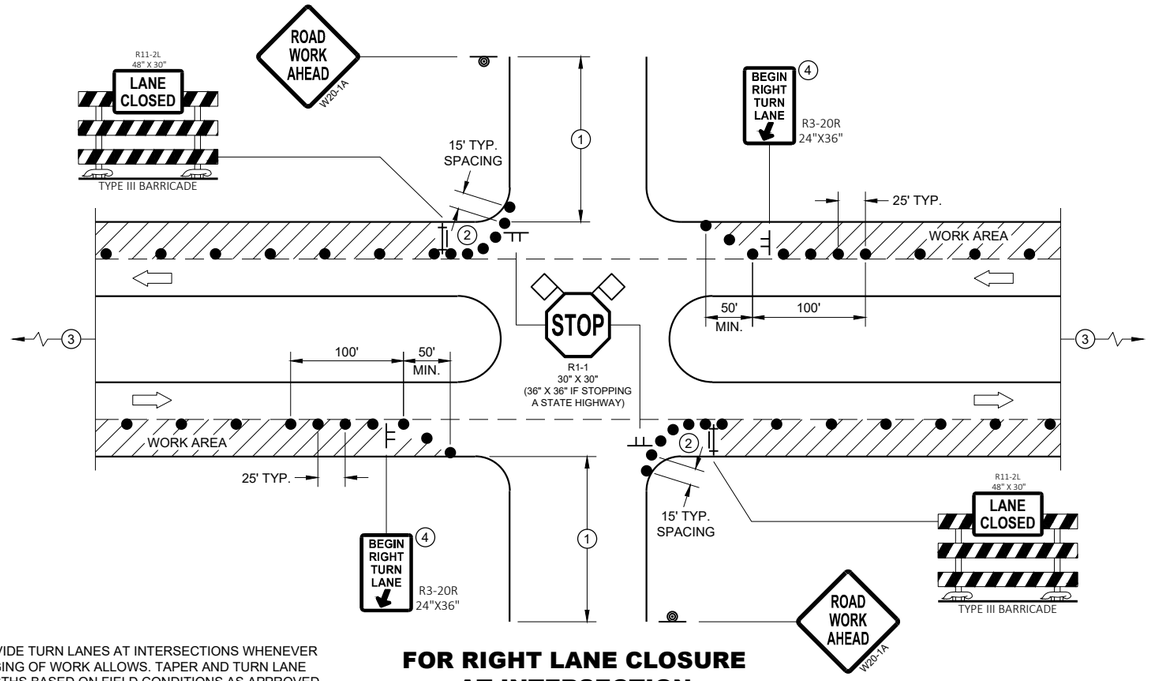
FHWA

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SDD 15D20-09a

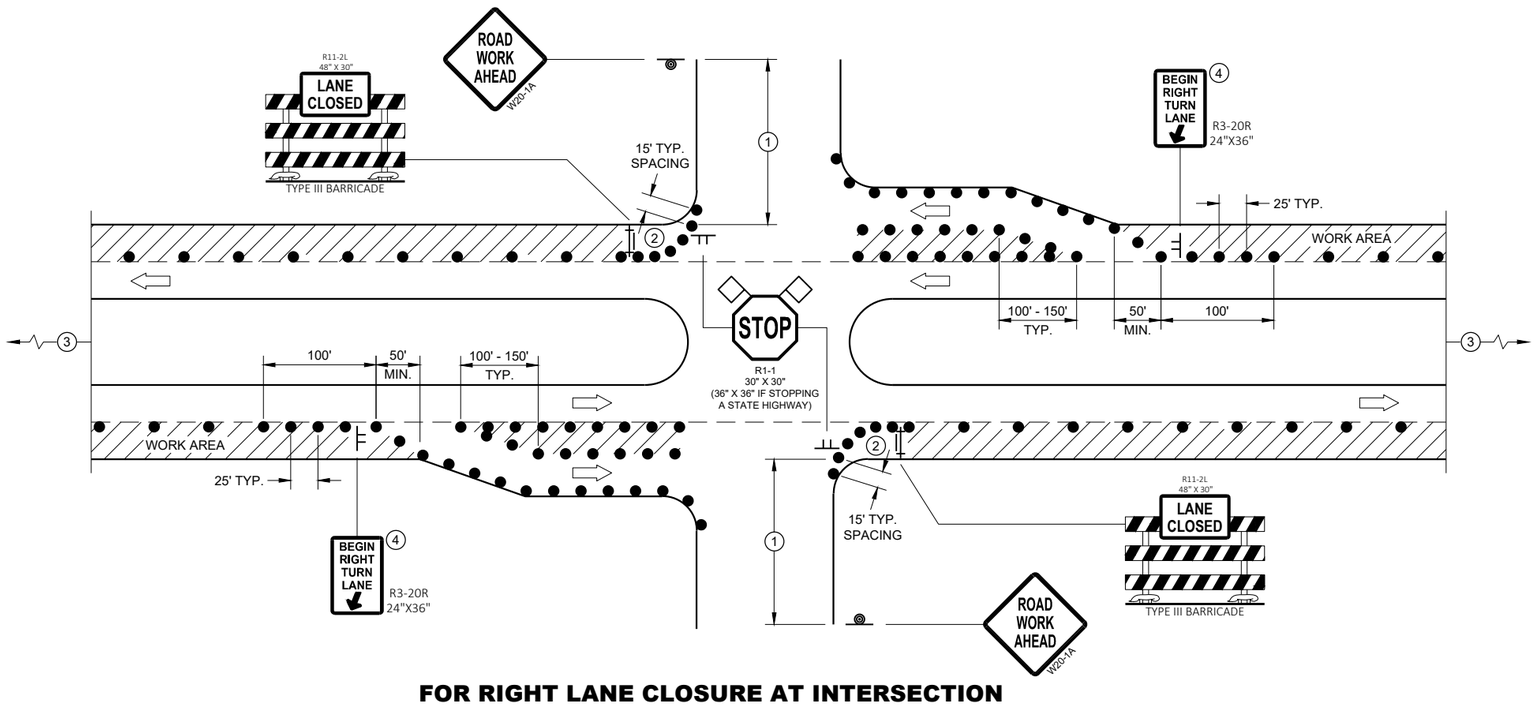
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SDD 15D20-09a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

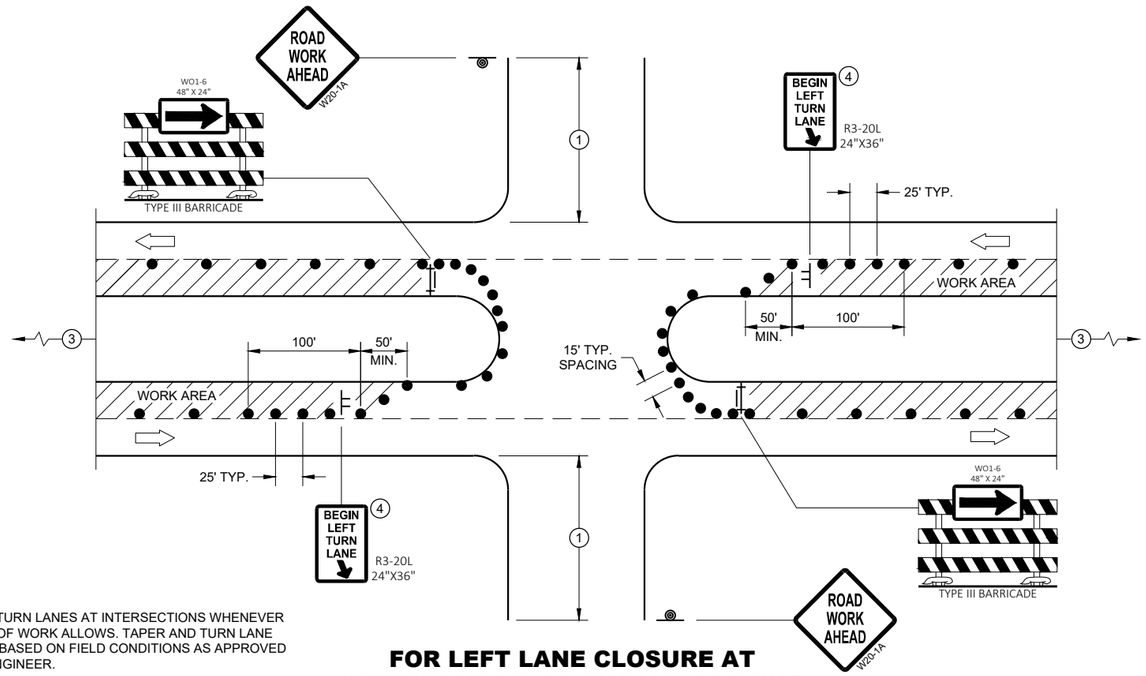
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

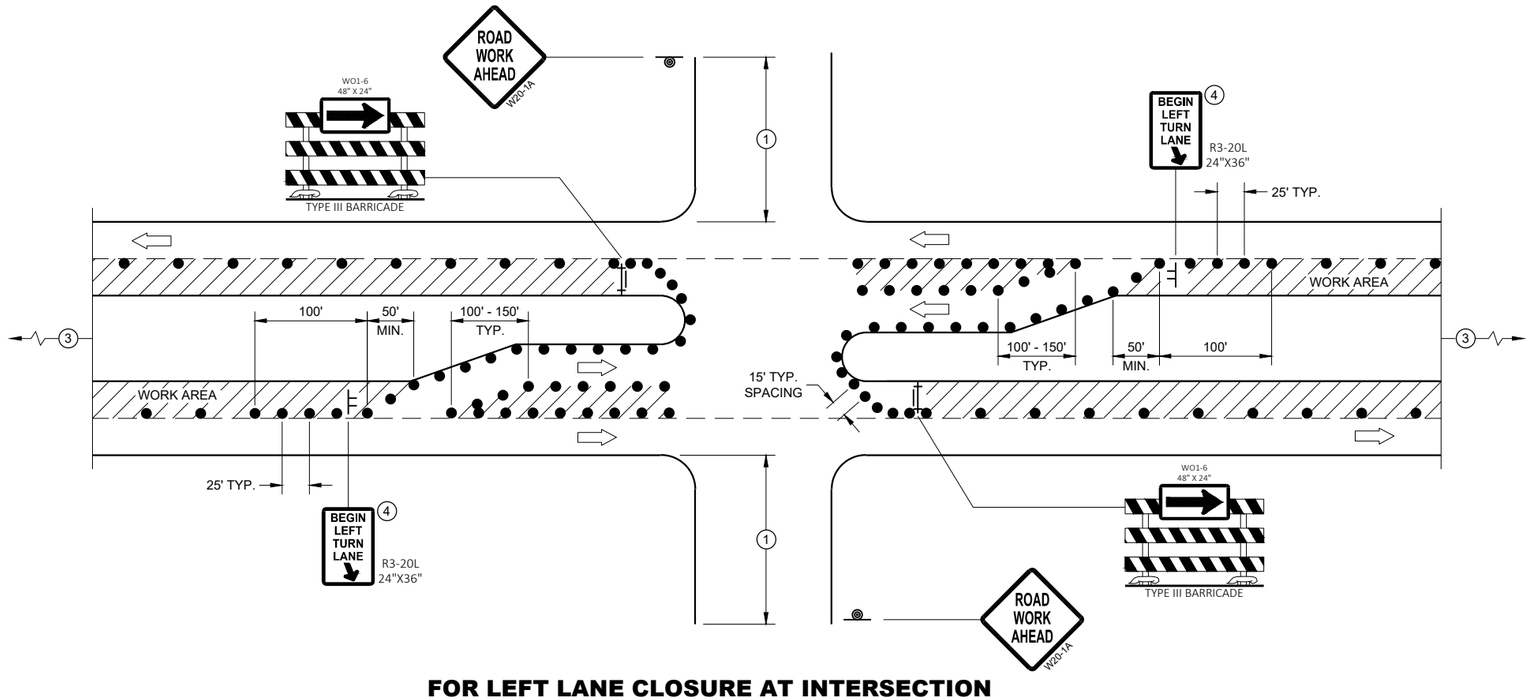
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA
- CONNECTED ARROW BOARD
- (IS) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES.
FOR CLOSING LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

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W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

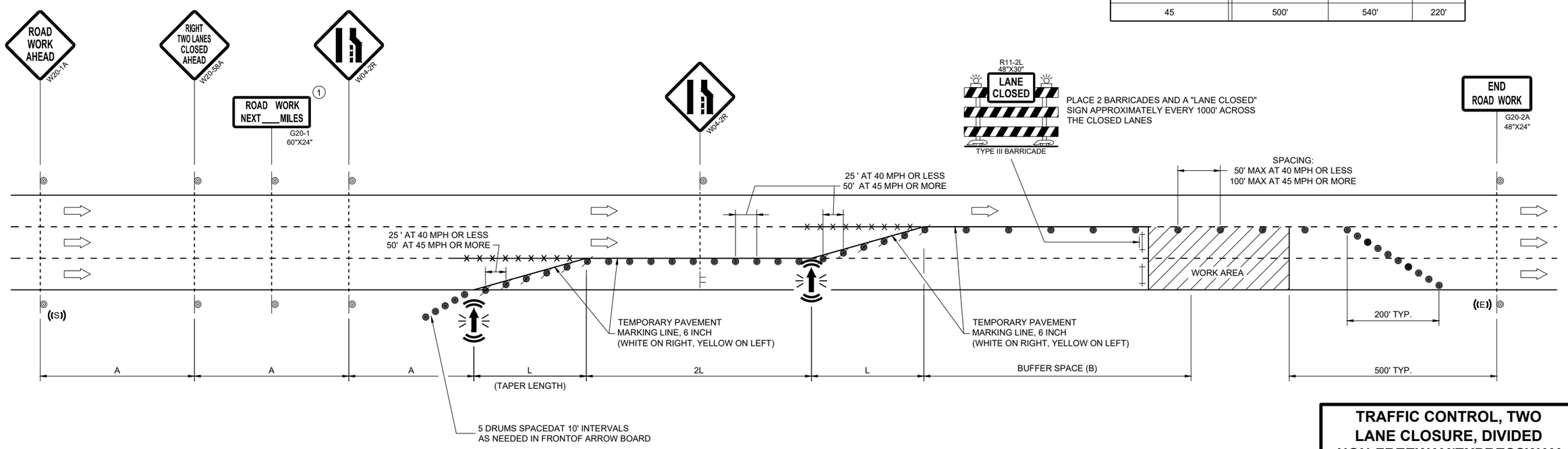
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WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'



TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

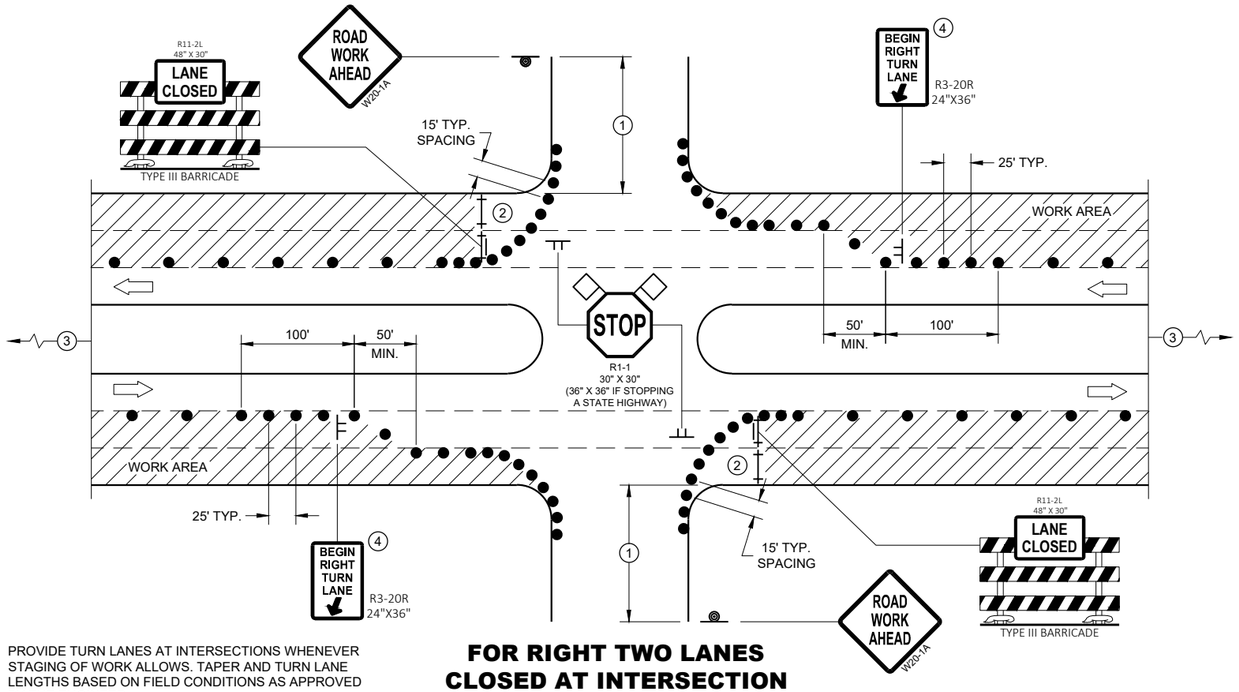
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15D22-07



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

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THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

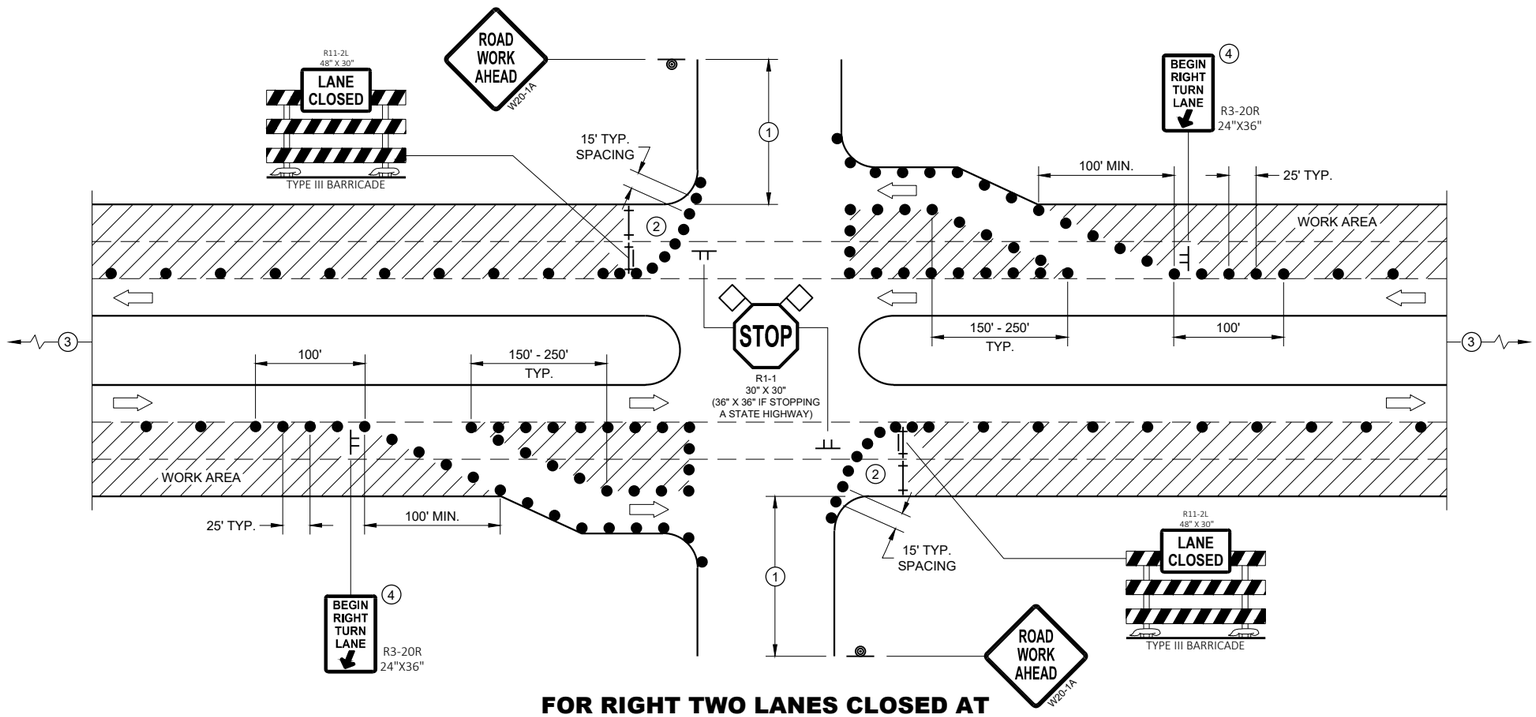
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

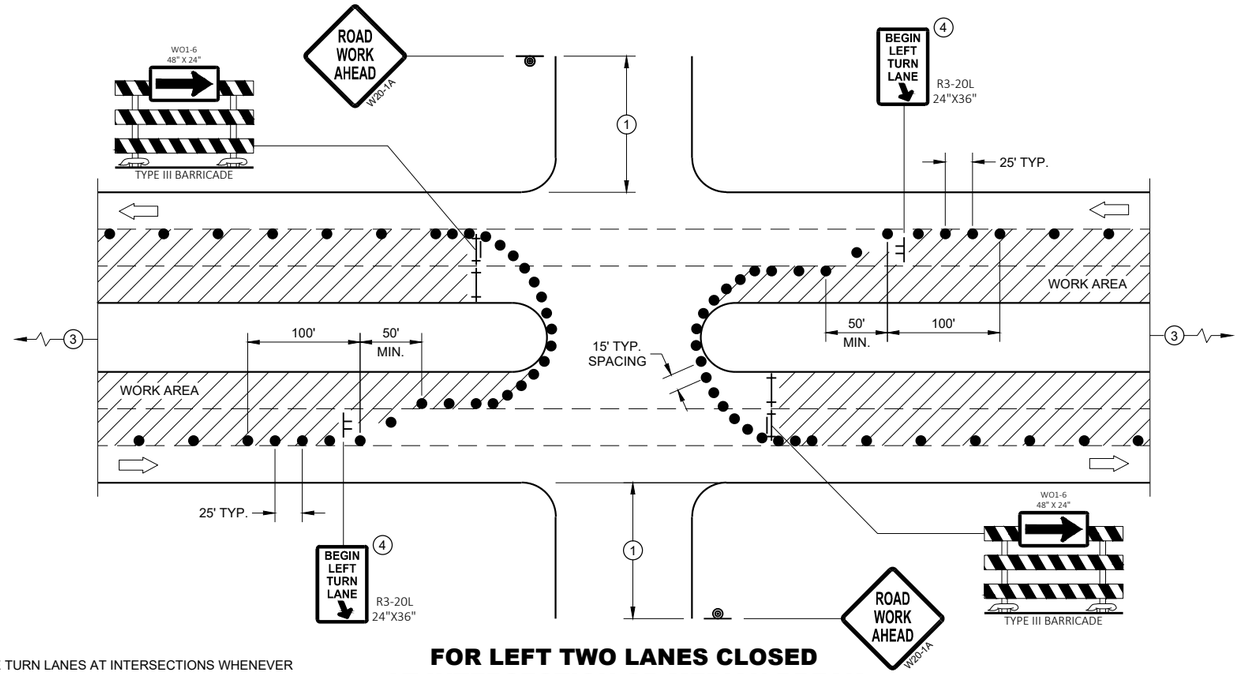
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D23 - 07a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

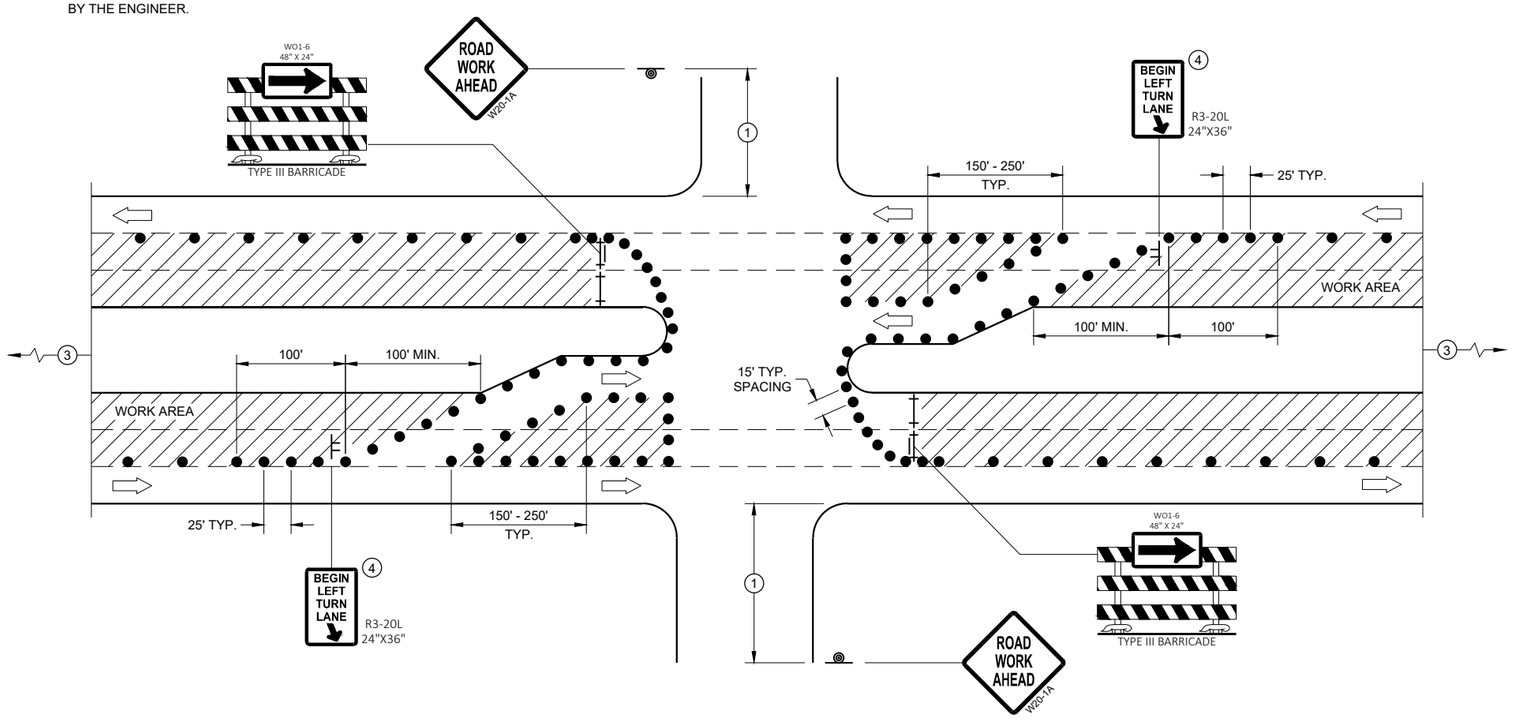
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER 938

FHWA

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET
0-30	200'
35-40	350'
45-55	500'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

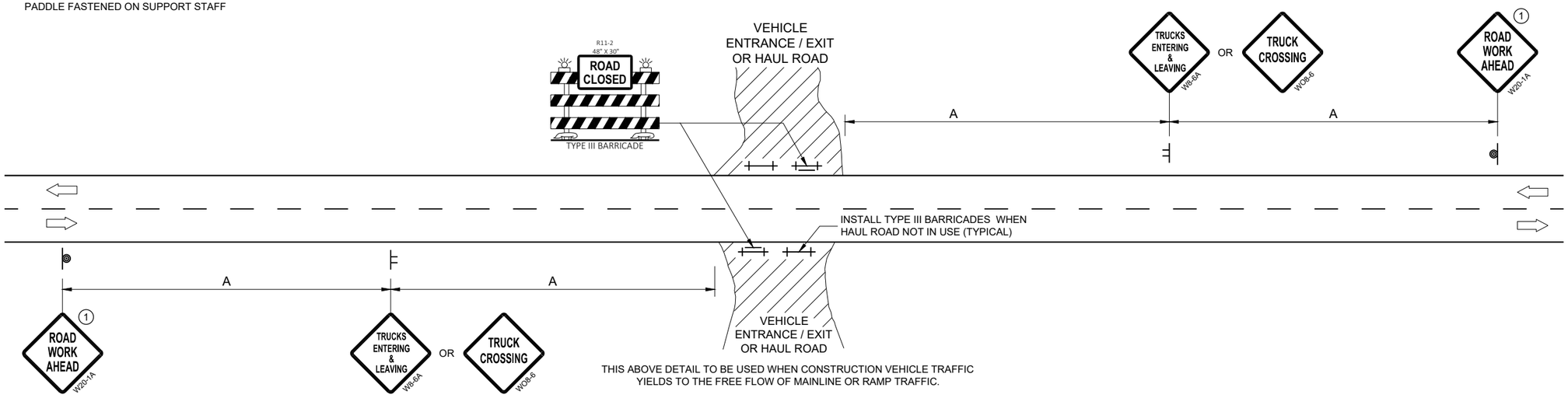
WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

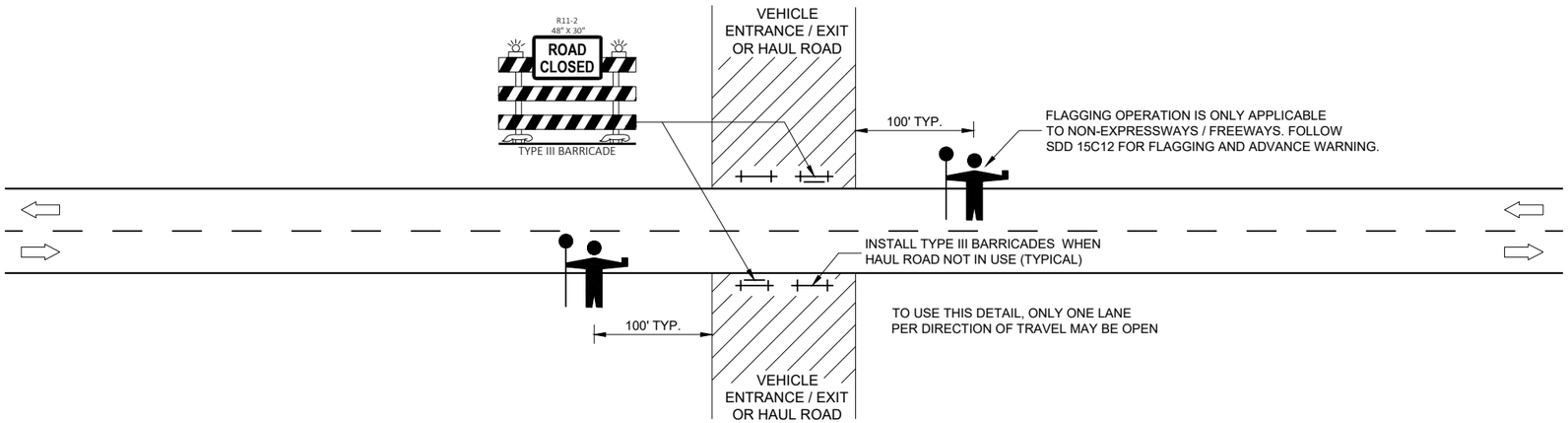
WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

(1) THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



TO USE THIS DETAIL, ONLY ONE LANE PER DIRECTION OF TRAVEL MAY BE OPEN

THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

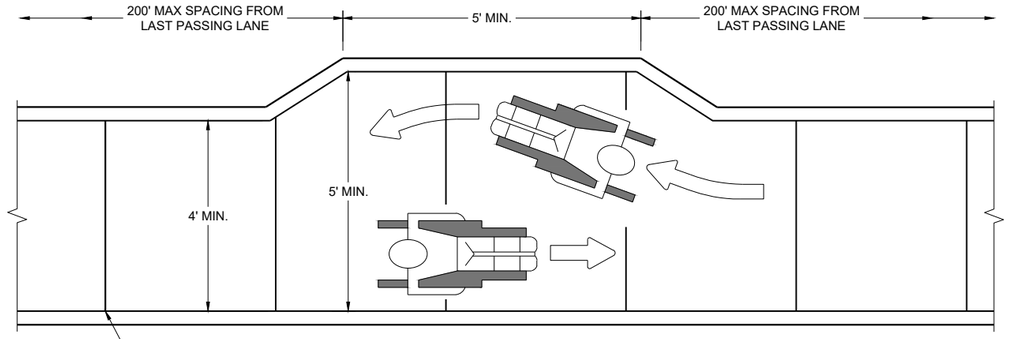
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

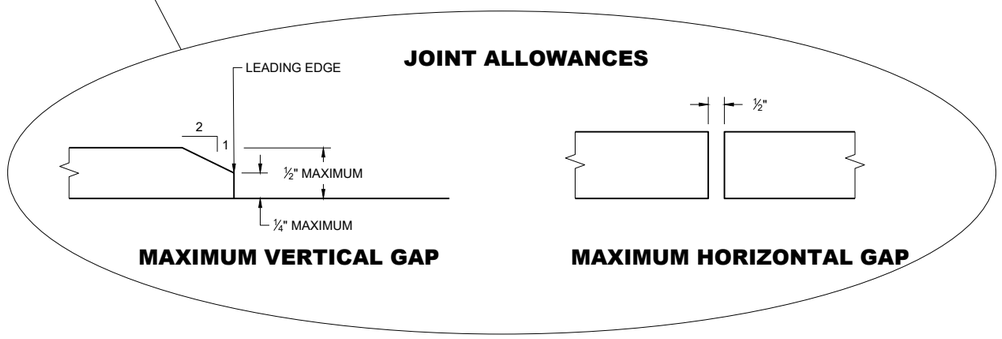
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FHWA

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SDD 15D29 - 06



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

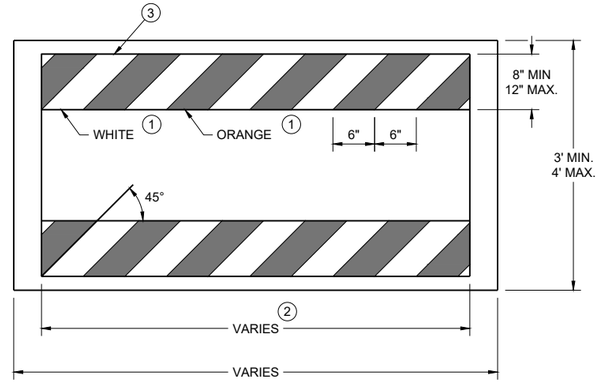
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

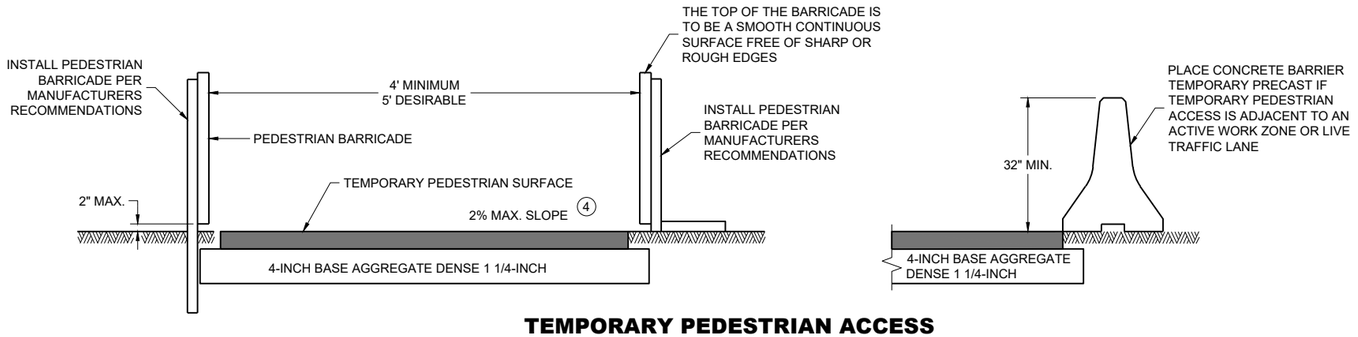
(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

(4) WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

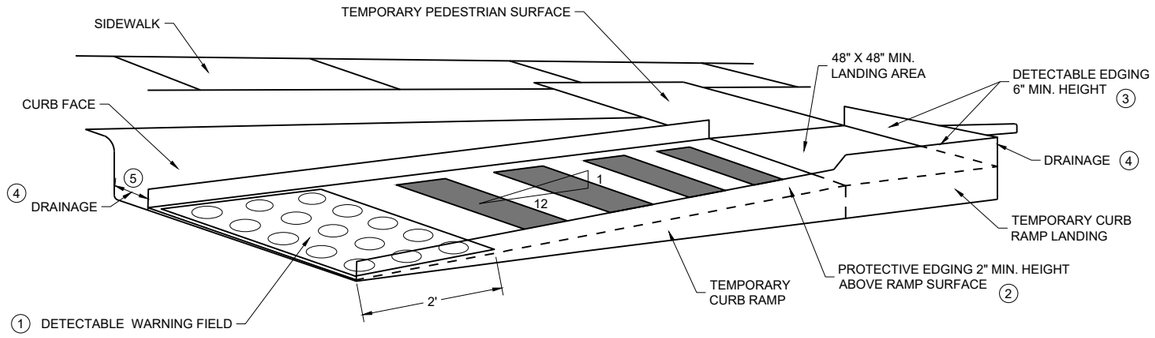
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-10a

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PERSPECTIVE VIEW

GENERAL NOTES

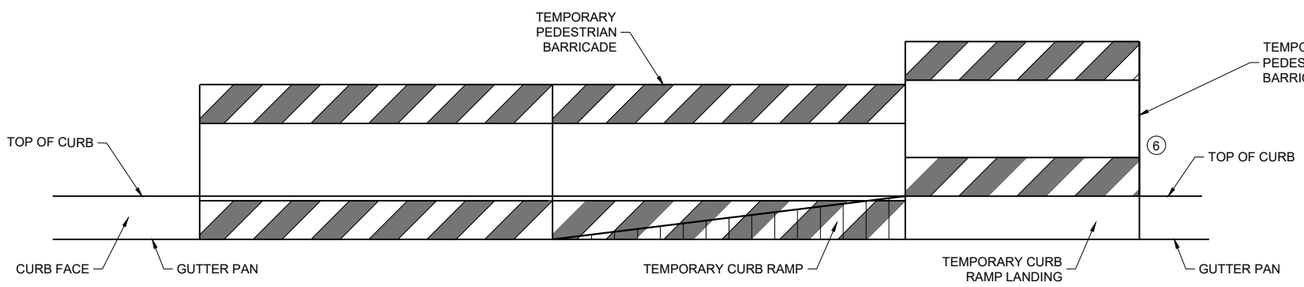
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

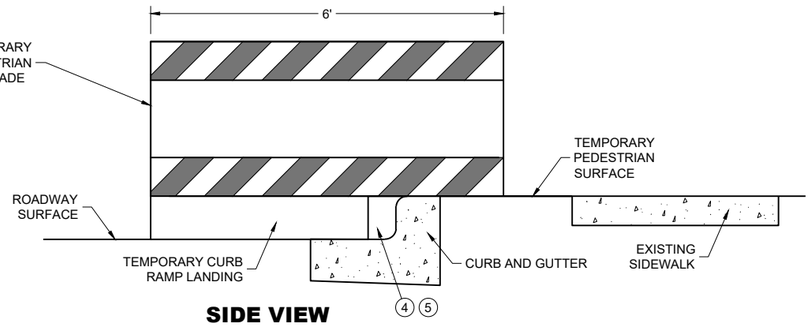
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

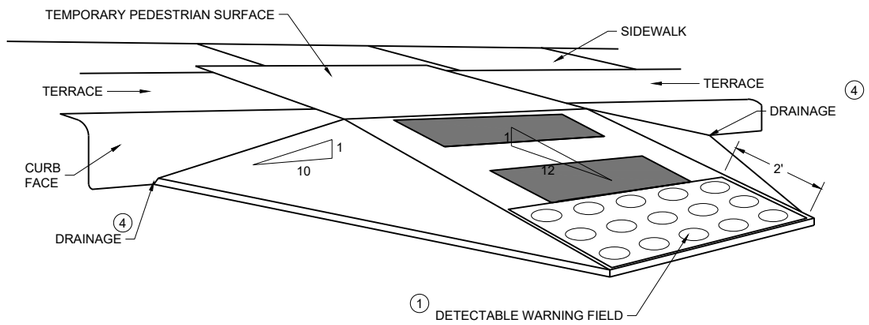
SDD 15D30-10b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

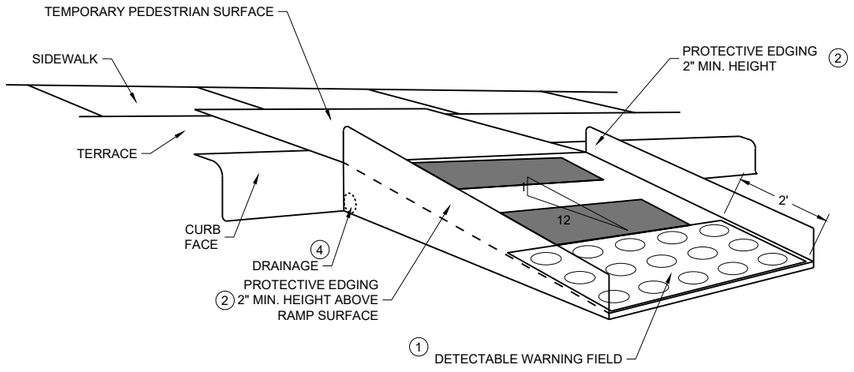
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-10b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

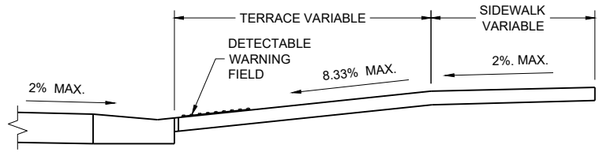
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SDD 15D30-10c

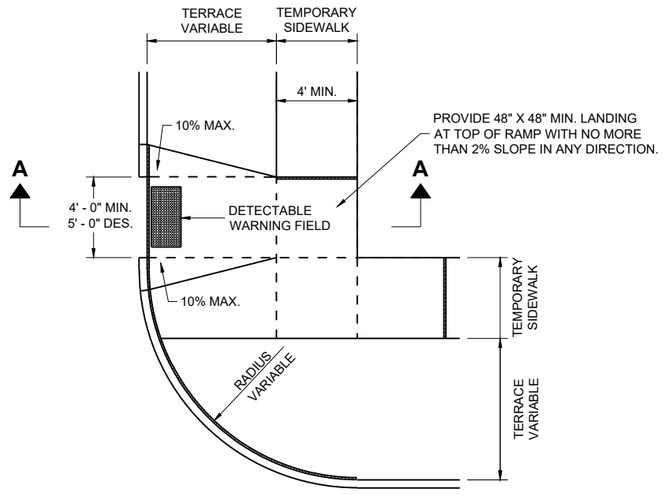
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

SDD 15D30-10d

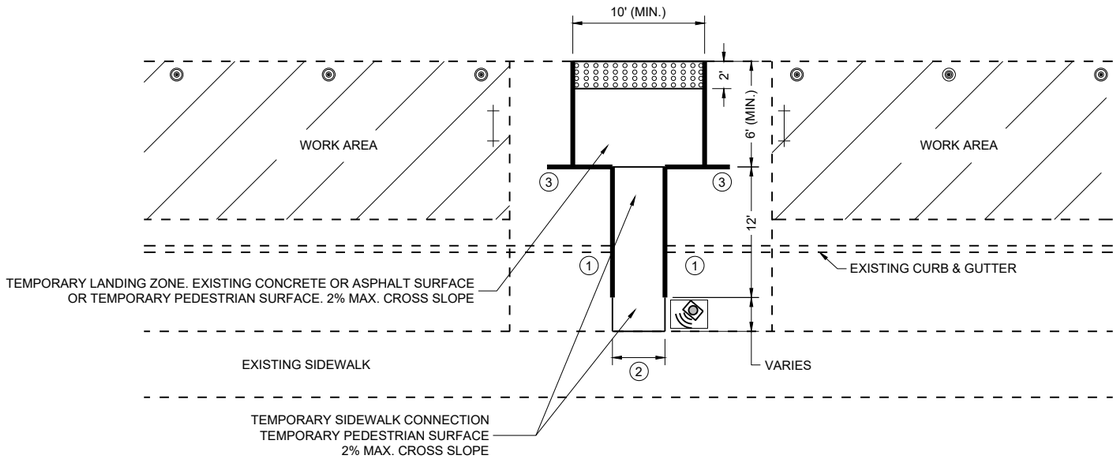
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

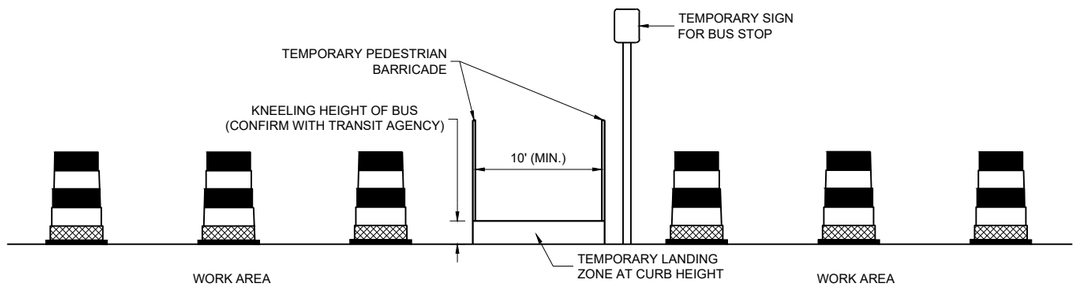
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — <position>
FHWA

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SDD 15D30-10d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

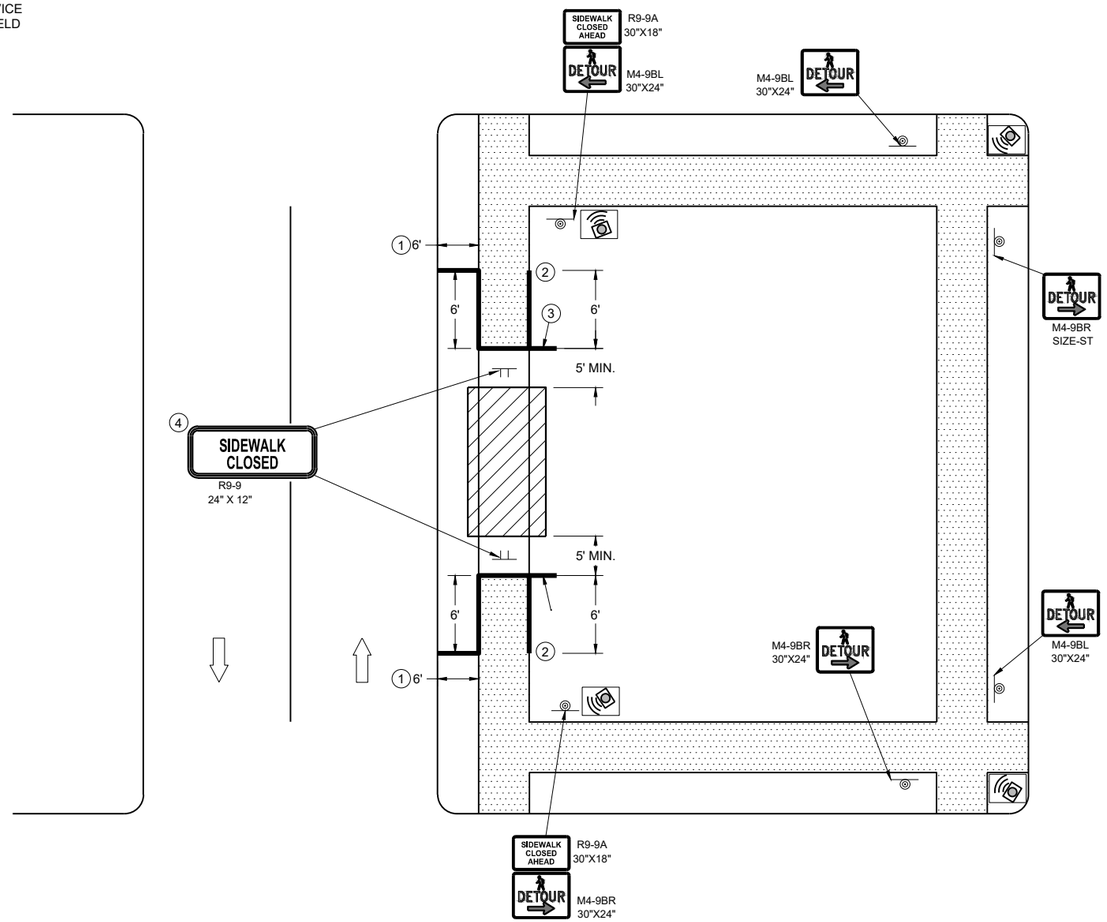
SDD 15D30-10e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10f

LEGEND

SIGN ON TEMPORARY SUPPORT

WORK AREA

UNDER PEDESTRIAN TRAFFIC

TEMPORARY PEDESTRIAN SURFACE

TEMPORARY PEDESTRIAN BARRICADE

OPTIONAL TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

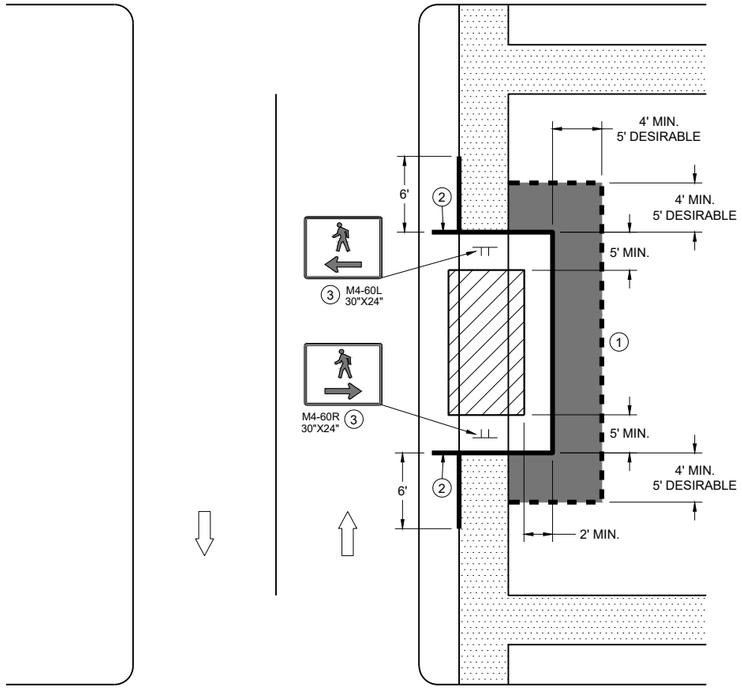
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10g

6

SDD 15D30-10g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

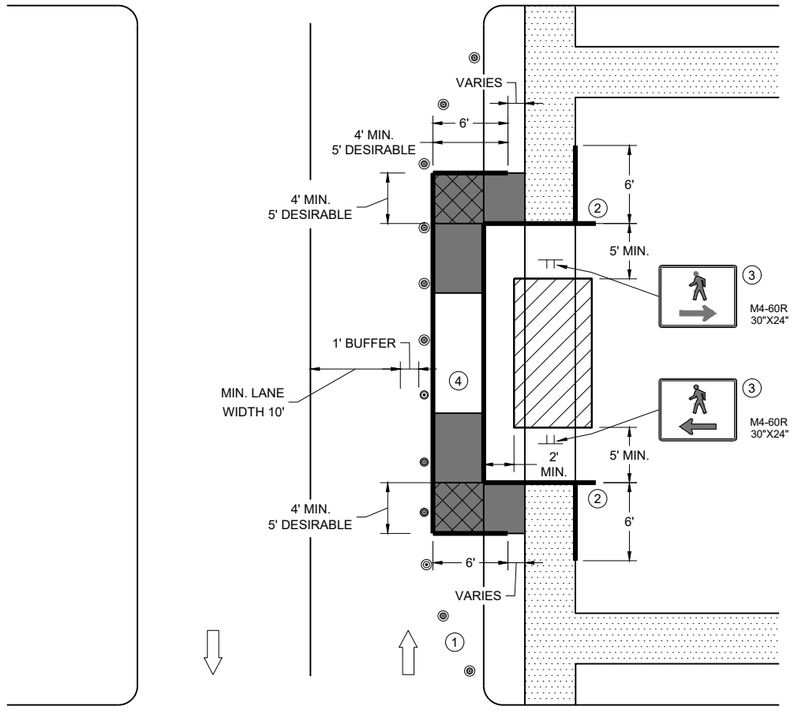
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

6

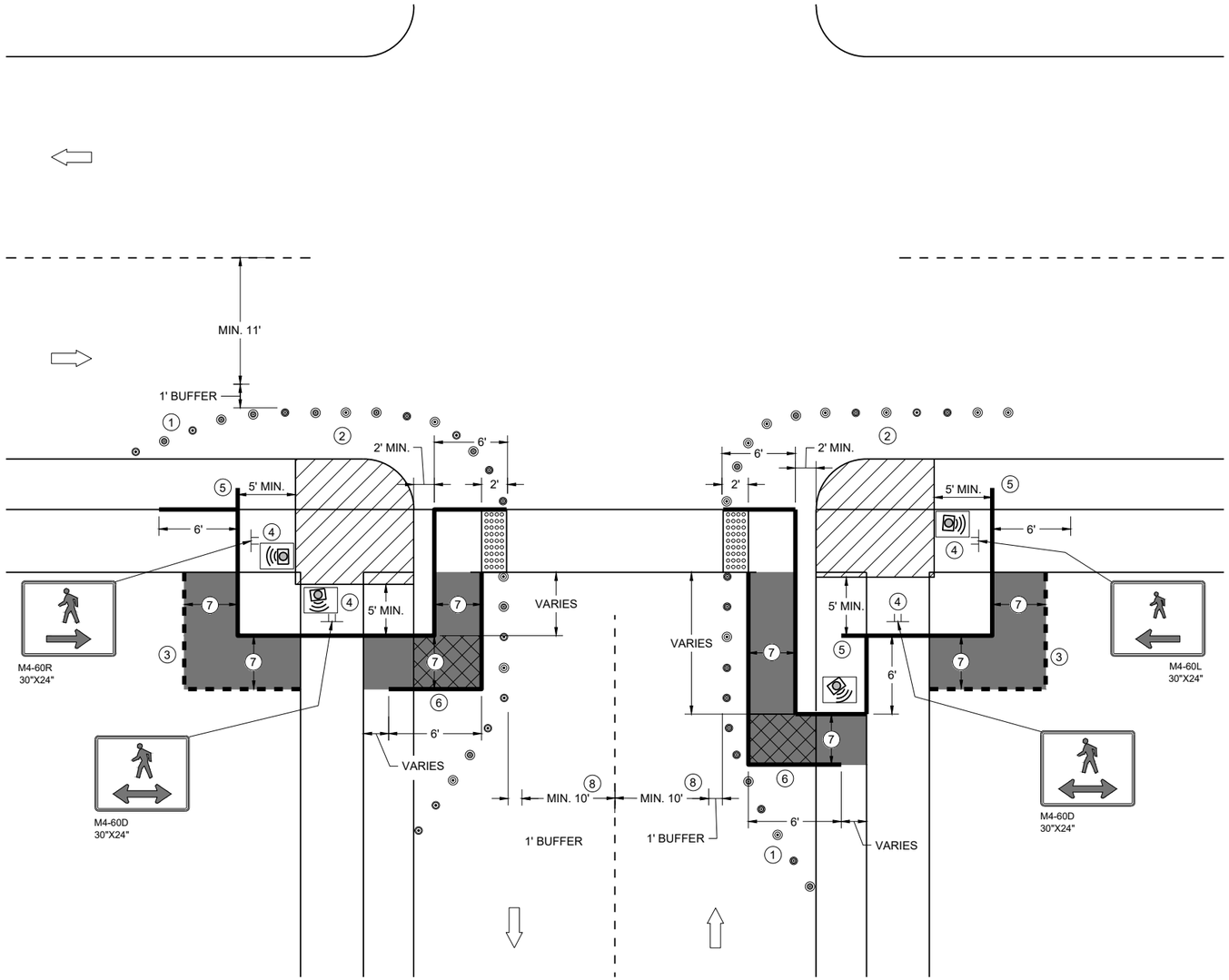
SDD 15D30-10h

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SDD 15D30-10h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

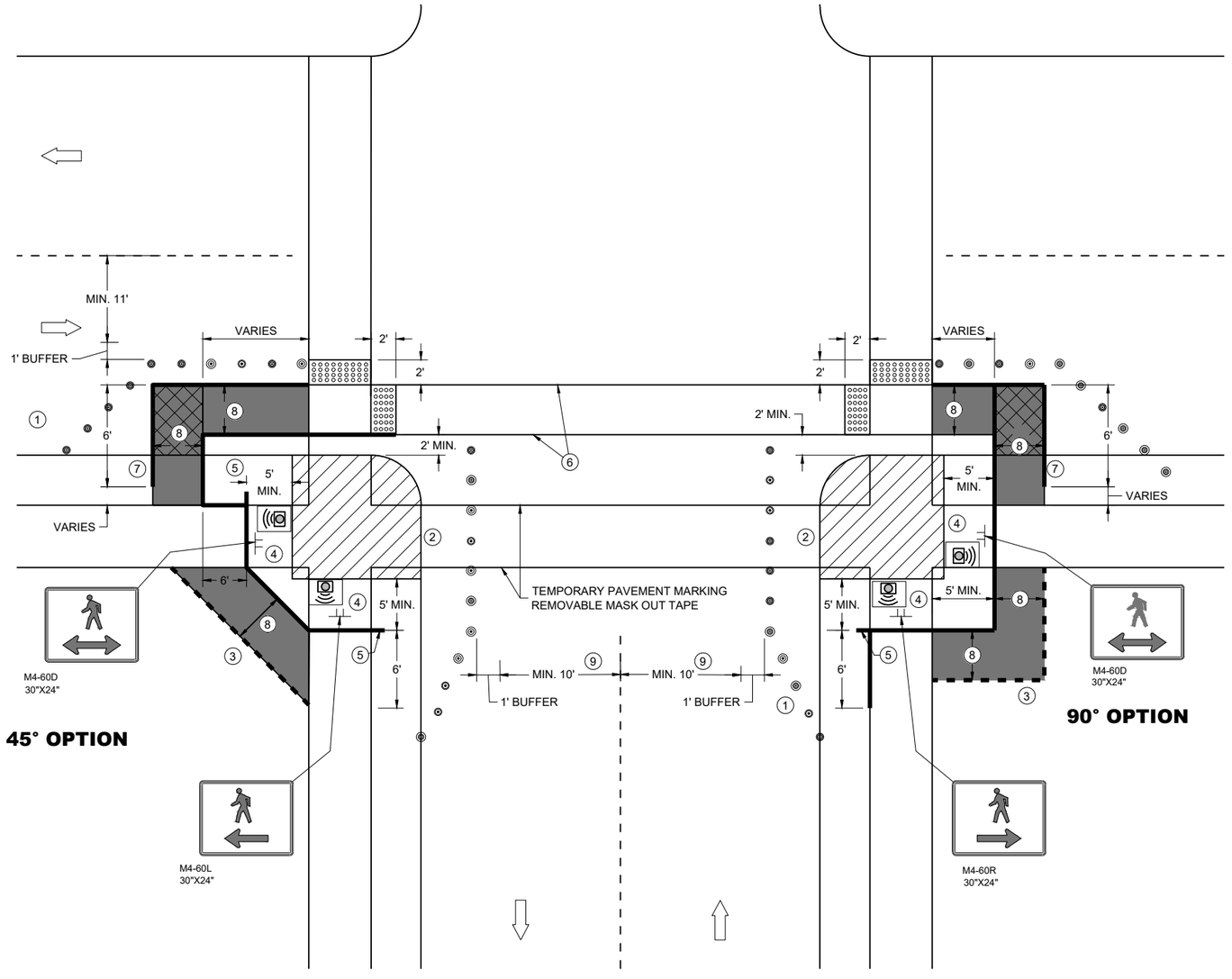
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

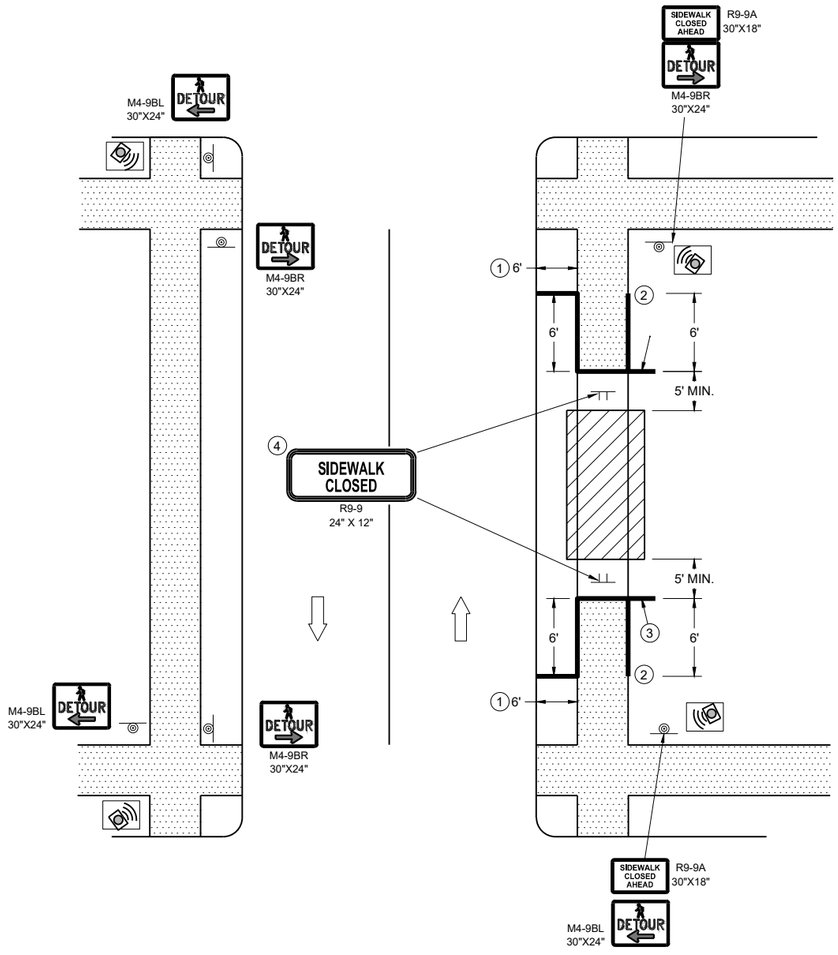
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

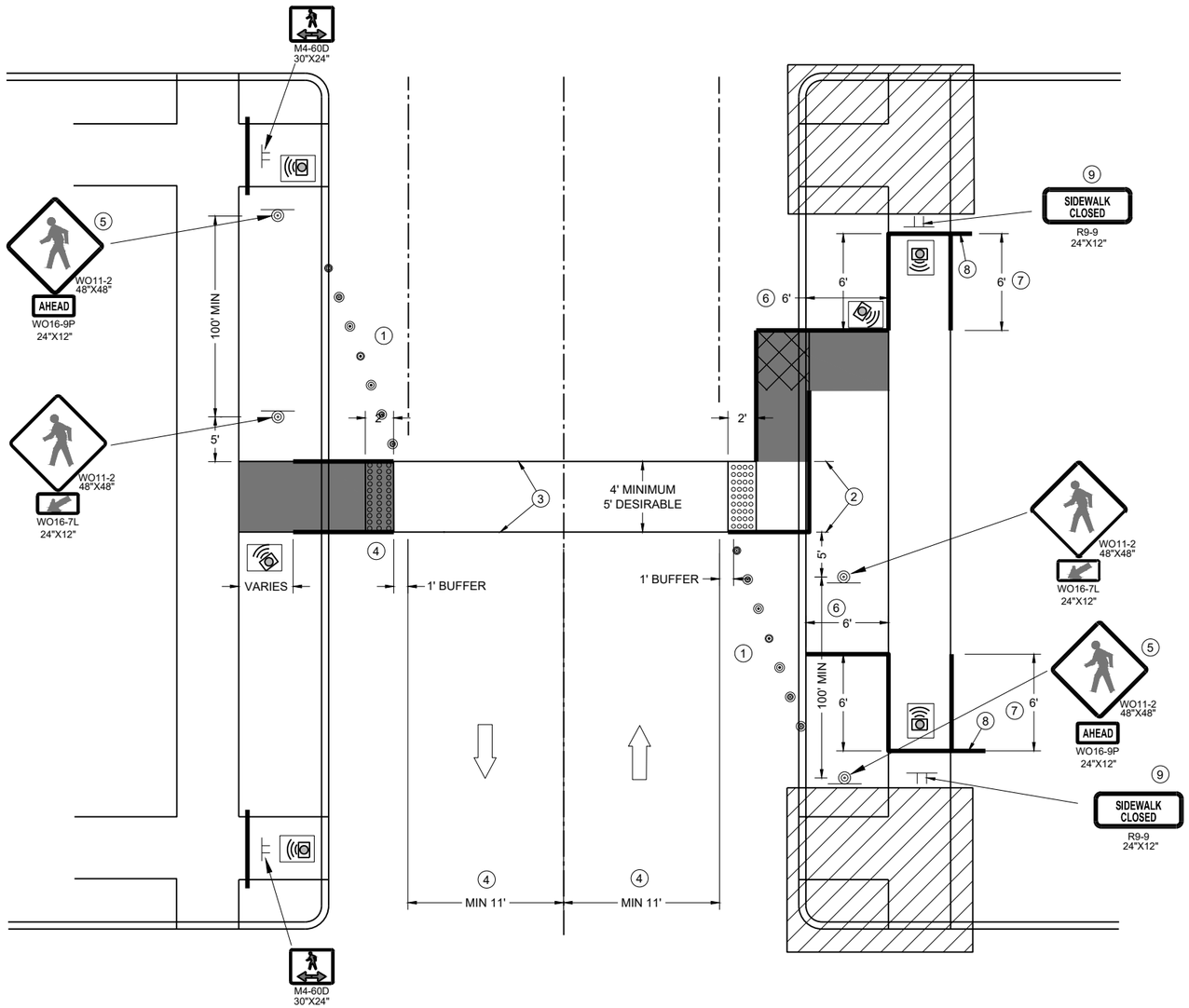
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

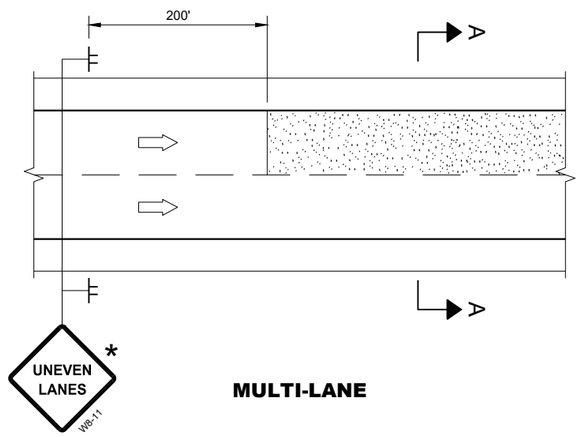
1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

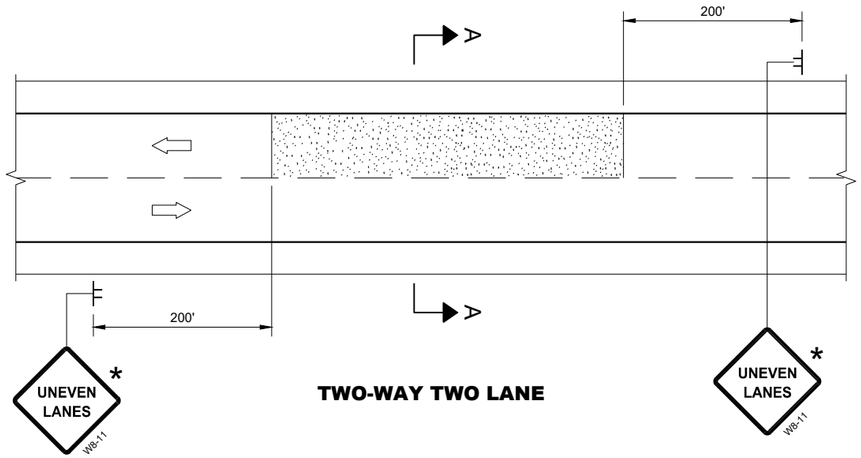
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

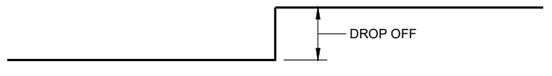
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

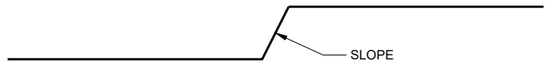
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

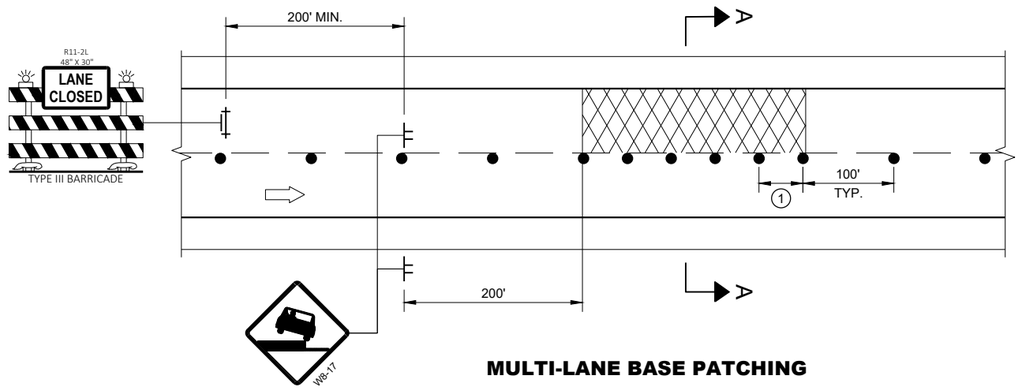


SECTION A - A

OR

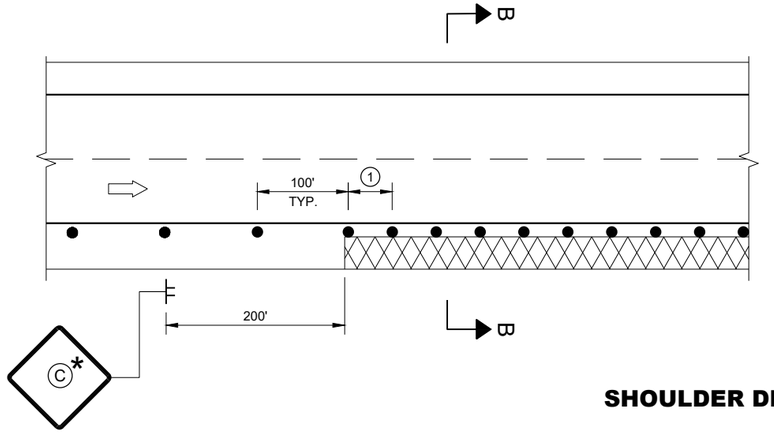


SECTION A - A

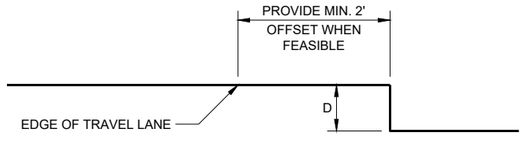


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

952

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SDD 15D39 - 02

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SDD 15D39 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

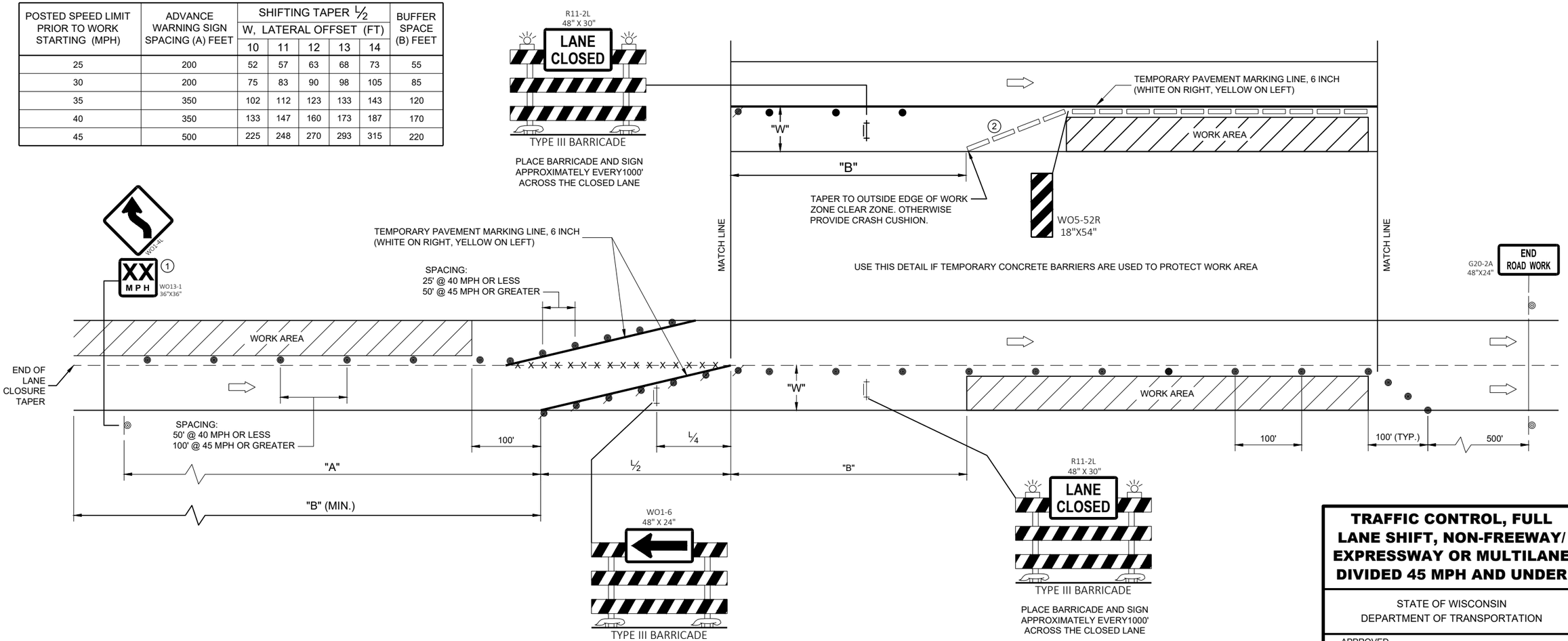
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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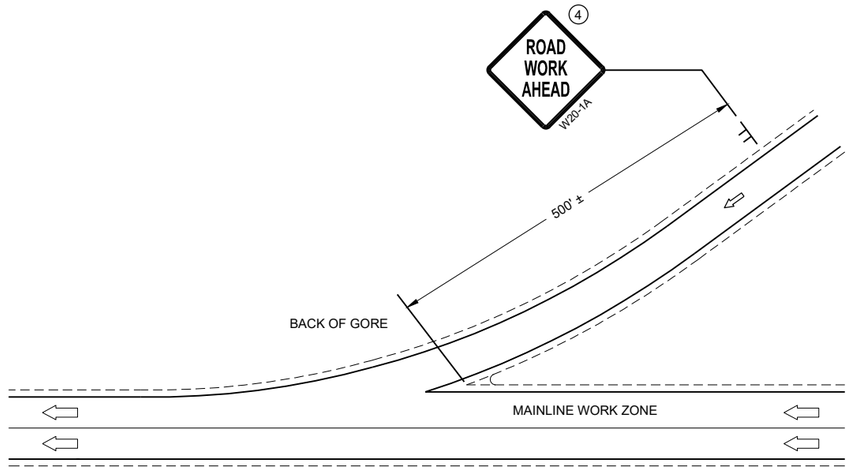
SDD 15D40-05a

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SDD 15D40-05a

LEGEND

- V1 SHADOW VEHICLE 1
- V2 SHADOW VEHICLE 2
- V3 ADVANCE WARNING TRUCK
- ● TRAFFIC CONTROL DRUM
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- WORK AREA



GENERAL NOTES

SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.

MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

WHEN WORK ACTIVITY BLOCKS THE RIGHT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE DOUBLE ARROWS WHEN CONVOY IS IN CENTER LANE ONLY.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

(1) DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) DRUMS ARE TO BE USED FOR BRIDGE DECK SEALING AND OTHER PROJECTS THAT REQUIRE DELINEATION.

(3) WITHIN 5 MILES, RELOCATE SIGNS AS WORK PROGRESSES AND NECESSARY OR AS DIRECTED BY THE ENGINEER.

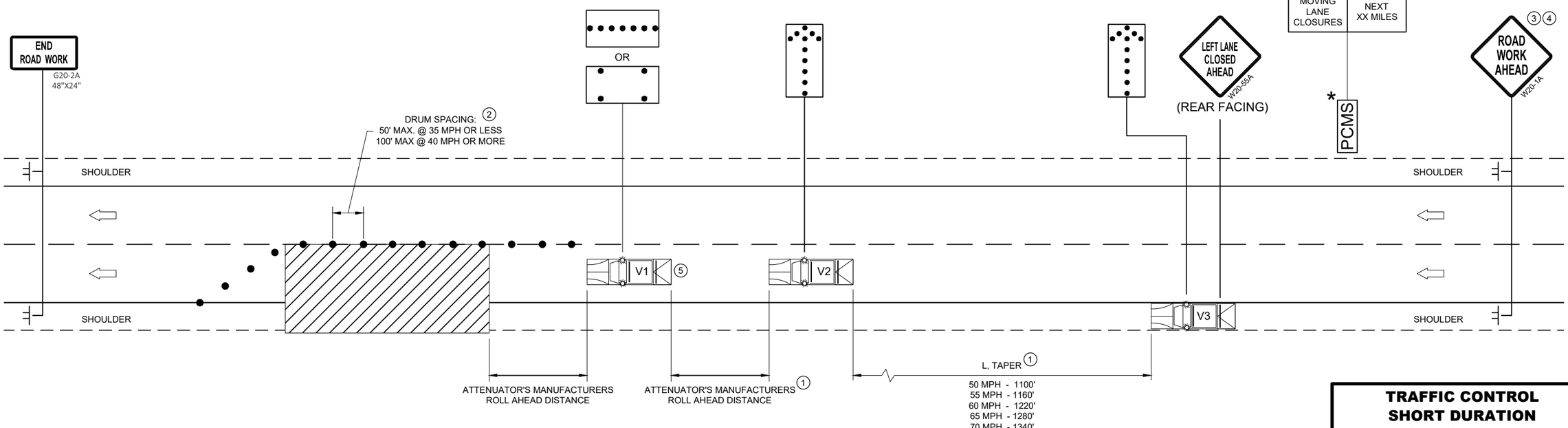
(4) SIGN NOT REQUIRED IF MOVING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(5) SHADOW VEHICLE 1 (V1) IS OPTIONAL

* PCMS OPTIONAL

PCMS MESSAGING

FRAME 1	FRAME 2
MOVING LANE CLOSURES	NEXT XX MILES



TRAFFIC CONTROL SHORT DURATION MOBILE OPERATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 954

FHWA

6

SDD 15D43 - 02

6

SDD 15D43 - 02

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

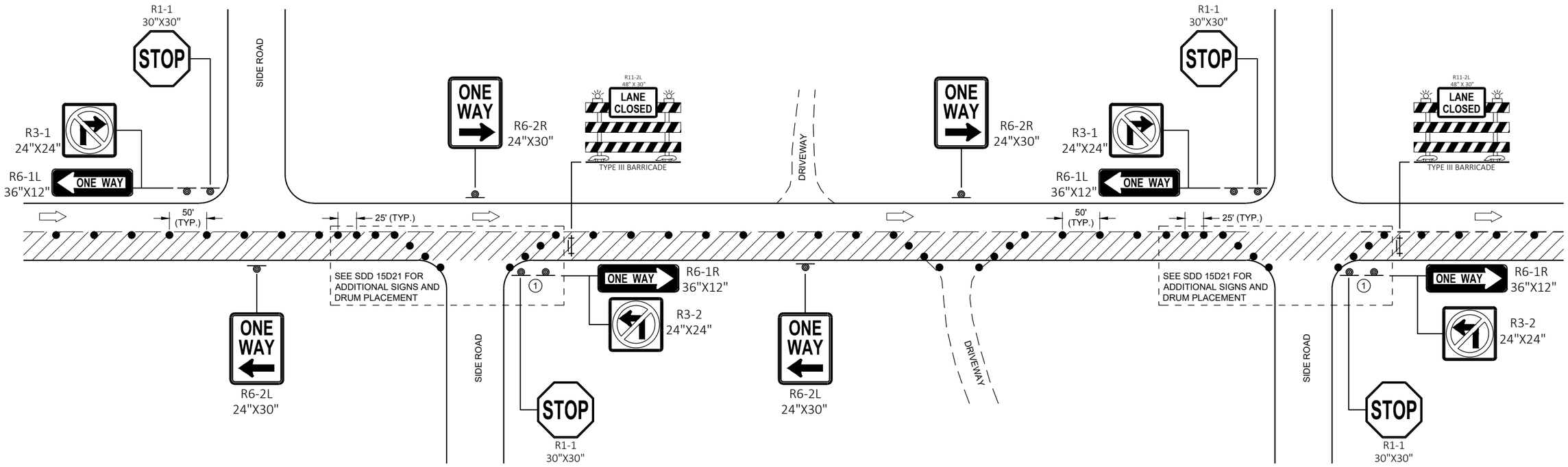
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE 955
FHWA	

6
SDD 15D46 - 01

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- DELINEATOR, FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK AREA
- CC — CRASH CUSHION TEMPORARY
- EXISTING CONCRETE BARRIER TEMPORARY PRECAST

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.

THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

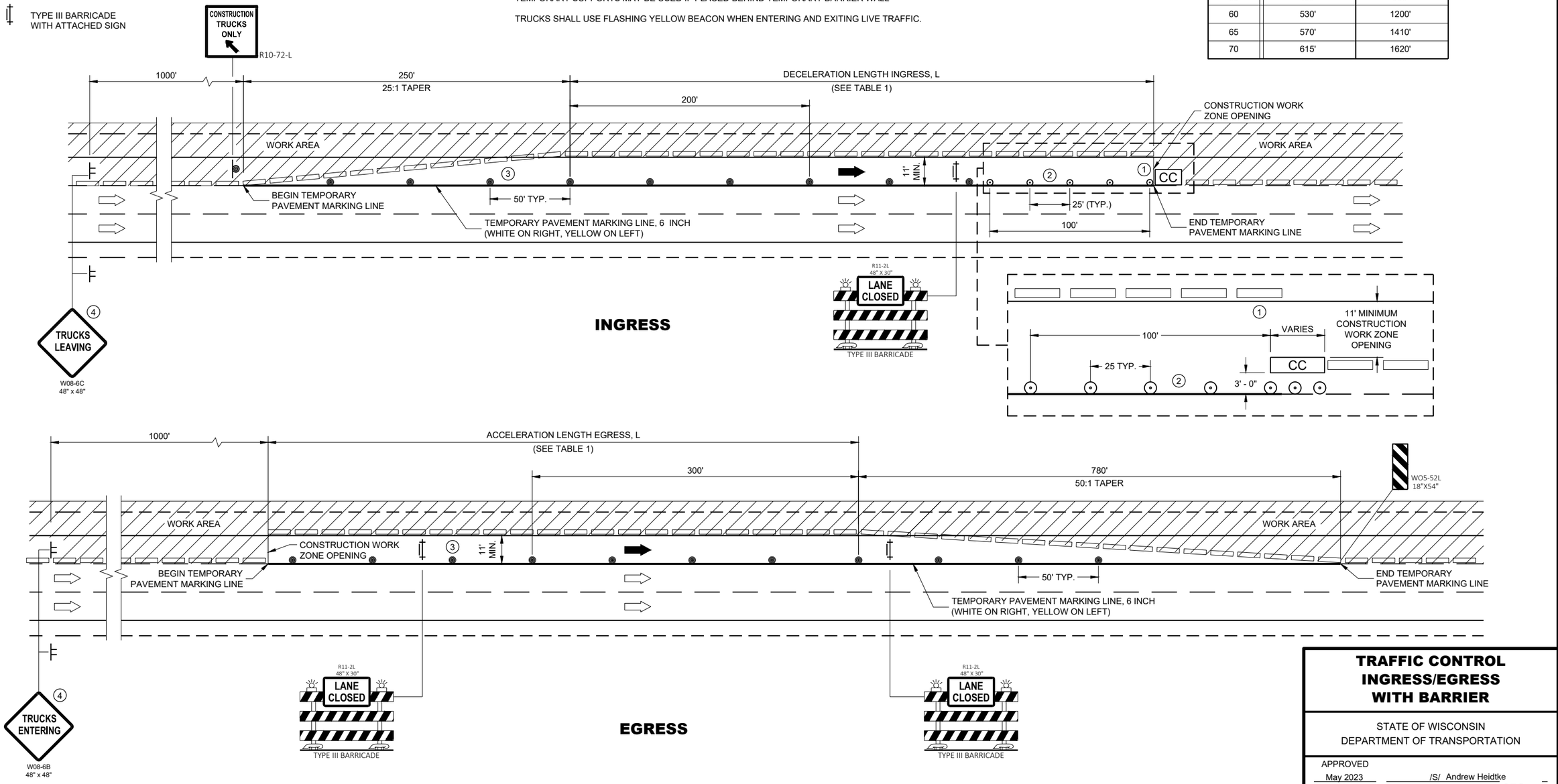
TEMPORARY SUPPORTS MAY BE USED IF PLACED BEHIND TEMPORARY BARRIER WALL

TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING AND EXITING LIVE TRAFFIC.

1. WIDEN BARRIER AS NECESSARY TO ACCOMMODATE CRASH CUSHION WIDTH.
2. USE TUBULAR MARKERS TO HELP DELINEATE TEMPORARY CRASH CUSHION.
3. REMOVE DRUMS / BARRICADES WHEN INGRESS / EGRESS ARE IN USE.
4. REMOVE OR COVER WHEN ACCESS IS NOT NEEDED.

TABLE 1

S (MPH)	INGRESS, L	EGRESS, L
50	435'	720'
55	480'	960'
60	530'	1200'
65	570'	1410'
70	615'	1620'



TRAFFIC CONTROL INGRESS/EGRESS WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER 956

FHWA

6

SDD 15D47-03a

6

SDD 15D47-03a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- CONSTRUCTION TRAFFIC
- WORK AREA

TABLE 1

S (MPH)	INGRESS, L	EGRESS, L
50	435'	720'
55	480'	960'
60	530'	1200'
65	570'	1410'
70	615'	1620'

LEGEND

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WORK ZONE INGRESS/EGRESS LOCATIONS SHALL BE APPROVED BY THE ENGINEER. LOCATIONS FOR WORK ZONE ACCESS TO/FROM THE FREEWAY SHALL NOT BE USED FOR INGRESS AND EGRESS AT THE SAME TIME.

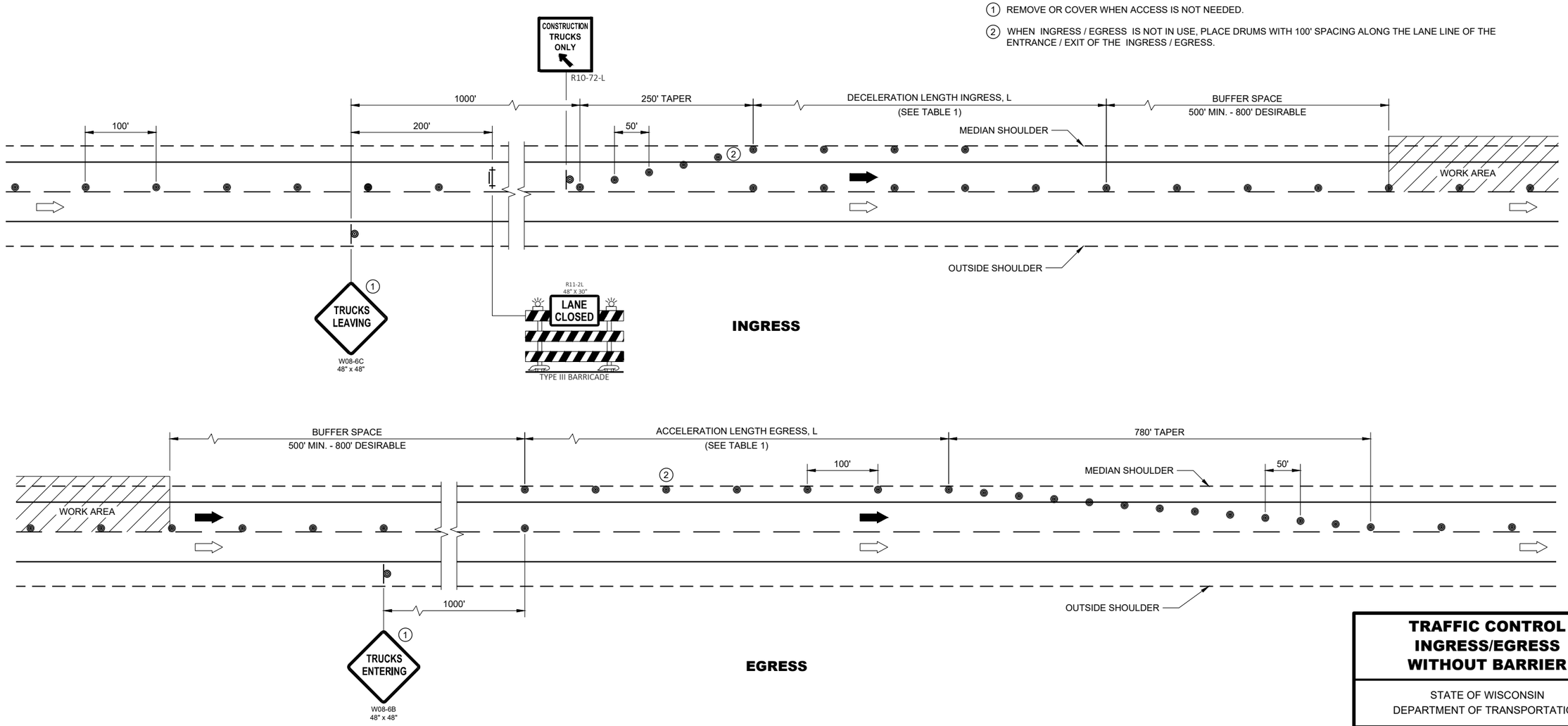
THIS ACCESS DETAIL IS TYPICAL FOR LEFT LANE ACCESS, FOR RIGHT LANE ACCESS, REVERSE THE TRAFFIC CONTROL

TEMPORARY SUPPORTS MAY BE USED IF PLACED BEHIND TEMPORARY BARRIER WALL

TRUCKS SHALL USE FLASHING YELLOW BEACON WHEN ENTERING AND EXITING LIVE TRAFFIC.

(1) REMOVE OR COVER WHEN ACCESS IS NOT NEEDED.

(2) WHEN INGRESS / EGRESS IS NOT IN USE, PLACE DRUMS WITH 100' SPACING ALONG THE LANE LINE OF THE ENTRANCE / EXIT OF THE INGRESS / EGRESS.



TRAFFIC CONTROL INGRESS/EGRESS WITHOUT BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

957

6

SDD 15D47-03b

6

SDD 15D47-03b

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

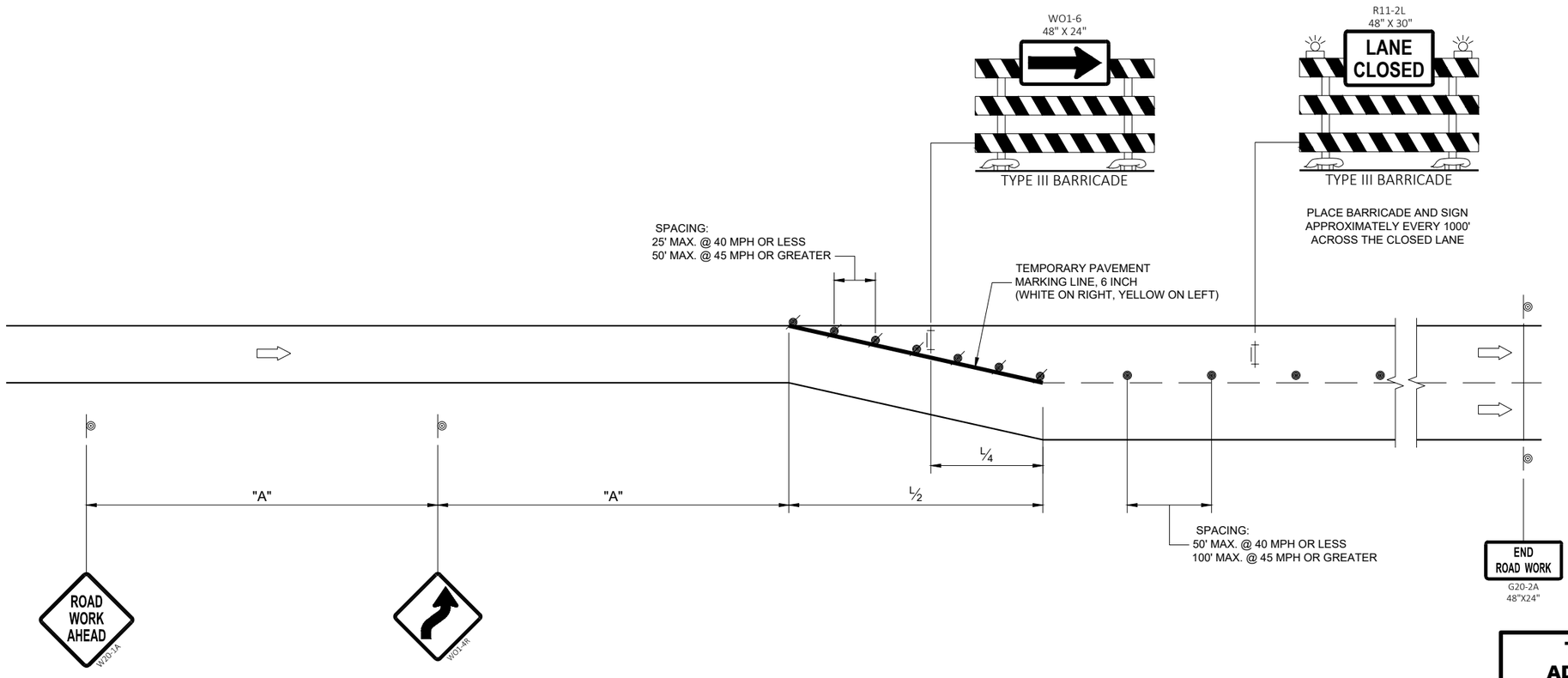
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

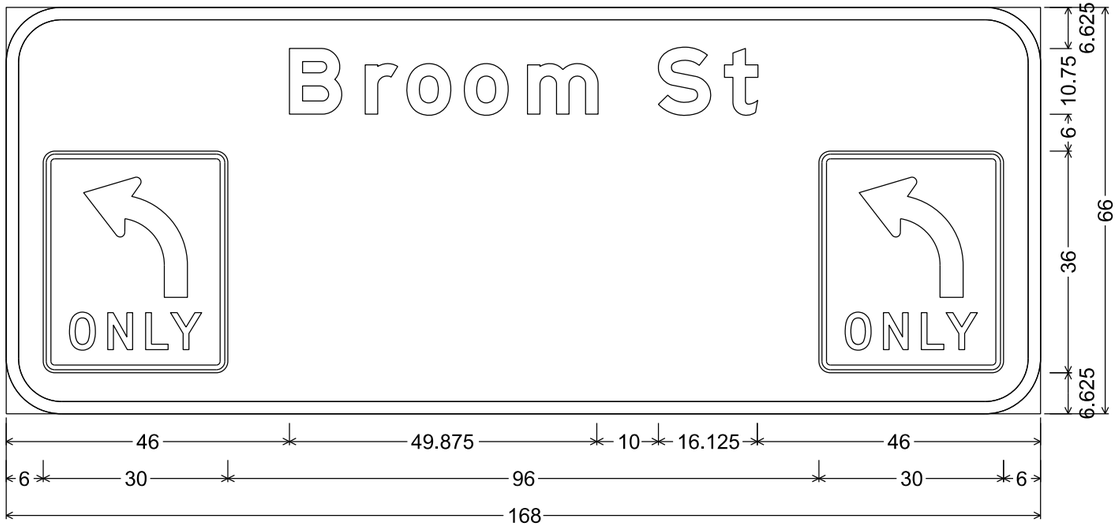


TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE 958
FHWA

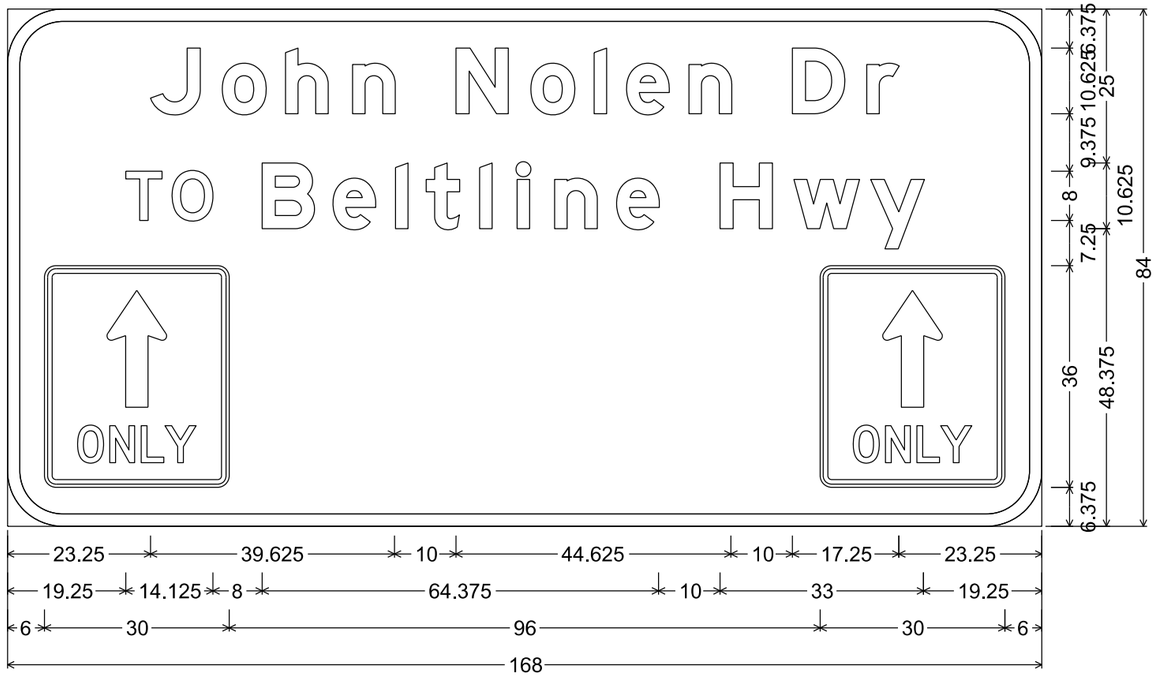
6
SDD 15D50-03b



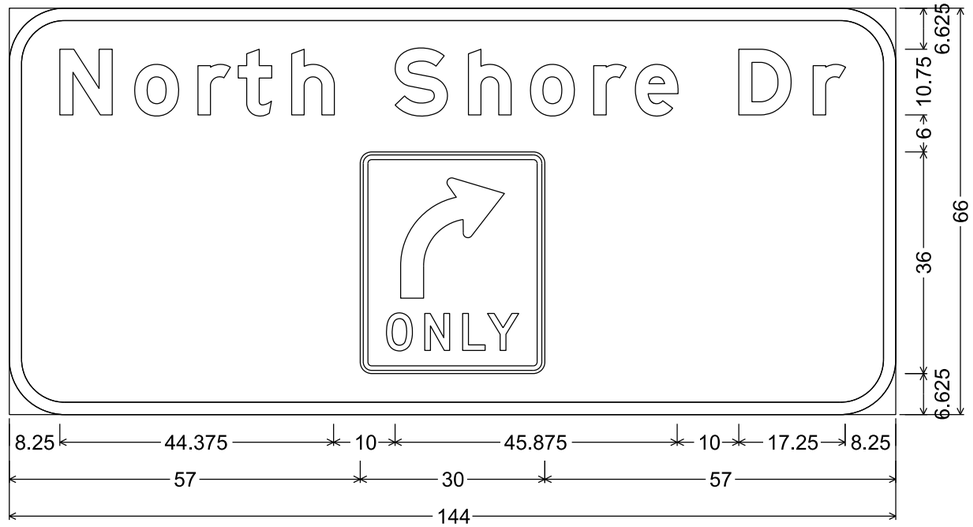
D15-2; 9.000" Radius, 2.000" Border

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E Modified except all CAP words Series E
4. Use standard signs R3-50 and R3-50A for arrows



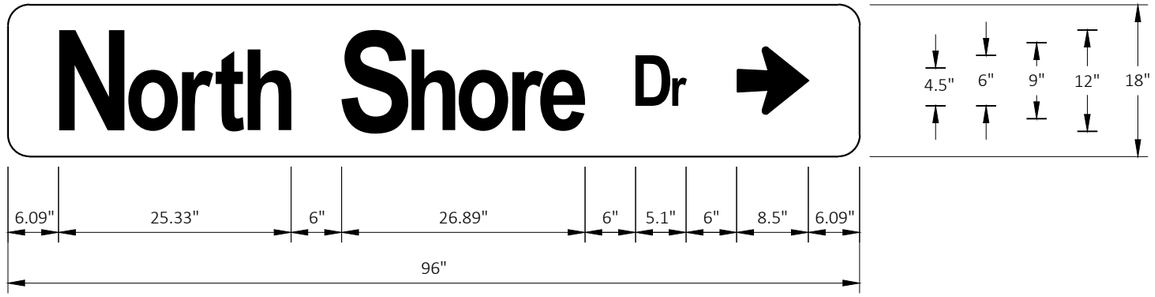
D15-2; 9.000" Radius, 2.000" Border



D15-1; 9.000" Radius, 2.000" Border

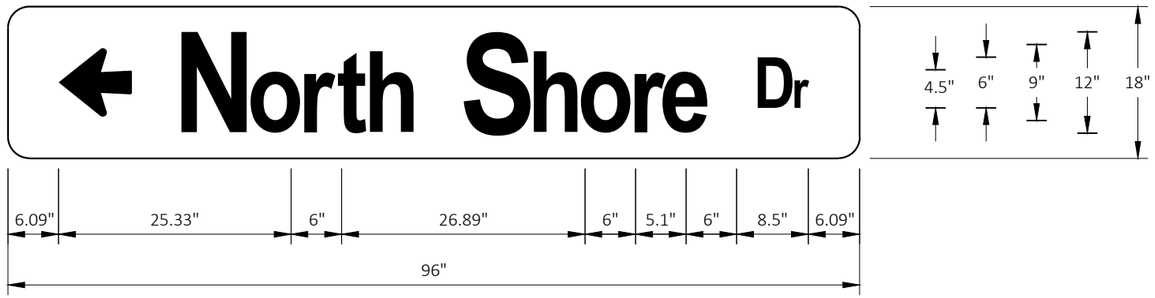
* MESSAGE SERIES B

9-06



* MESSAGE SERIES B

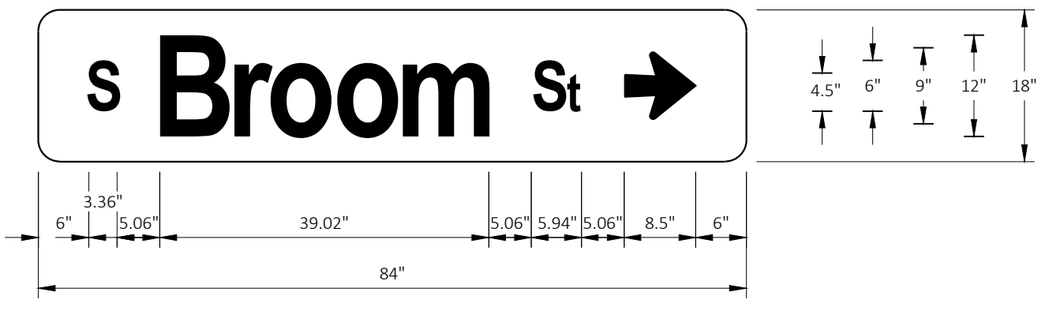
9-27



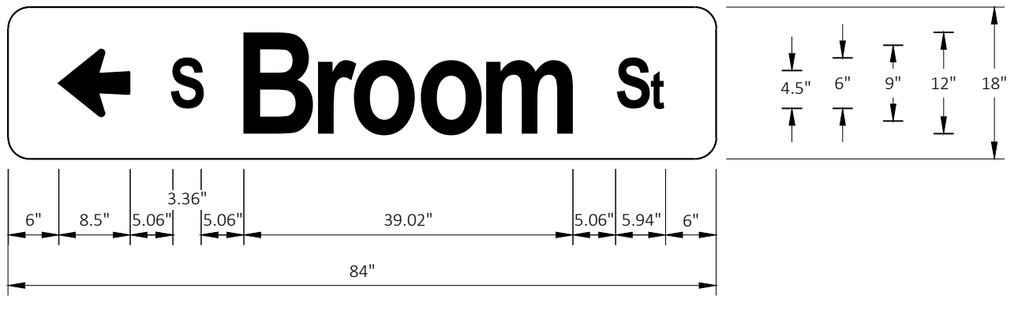
NOTES:

1. ALL SIGNS TYPE II - TYPE H REFLECTIVE
2. COLOR:
   BACKGROUND - GREEN
   MESSAGE - WHITE
3. MESSAGE SERIES - C EXCEPT AS NOTED

10-23



10-27



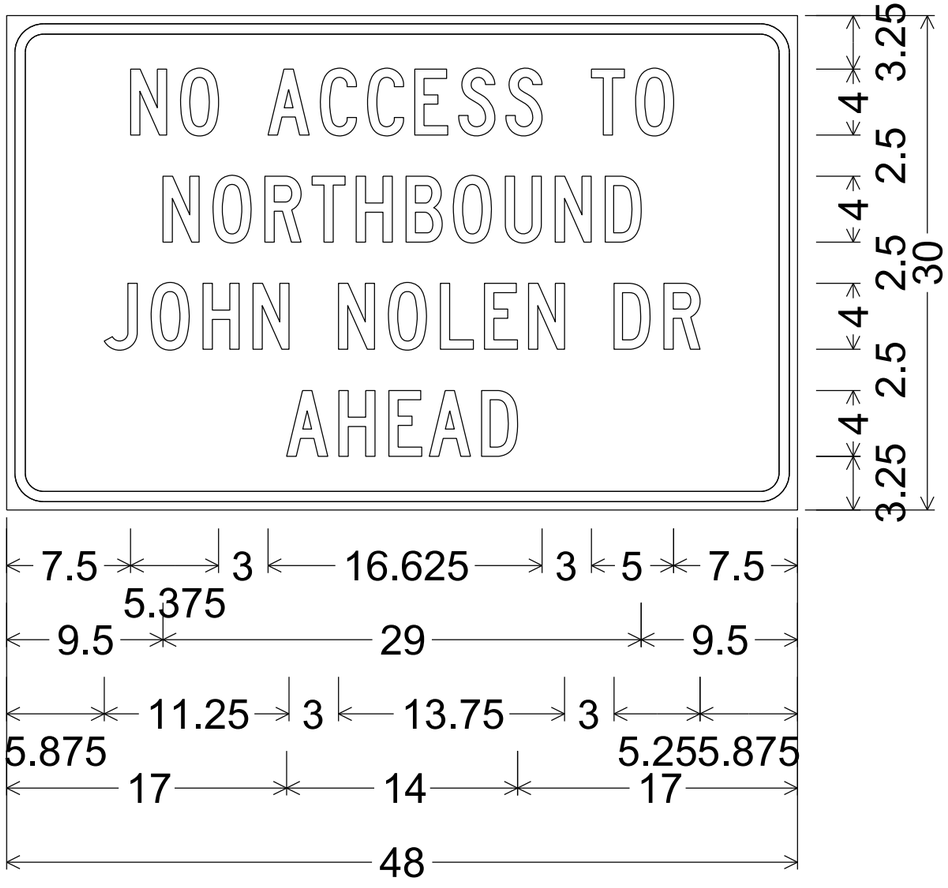
7

7

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	SIGN DETAILS	SHEET 960	E

NOTES

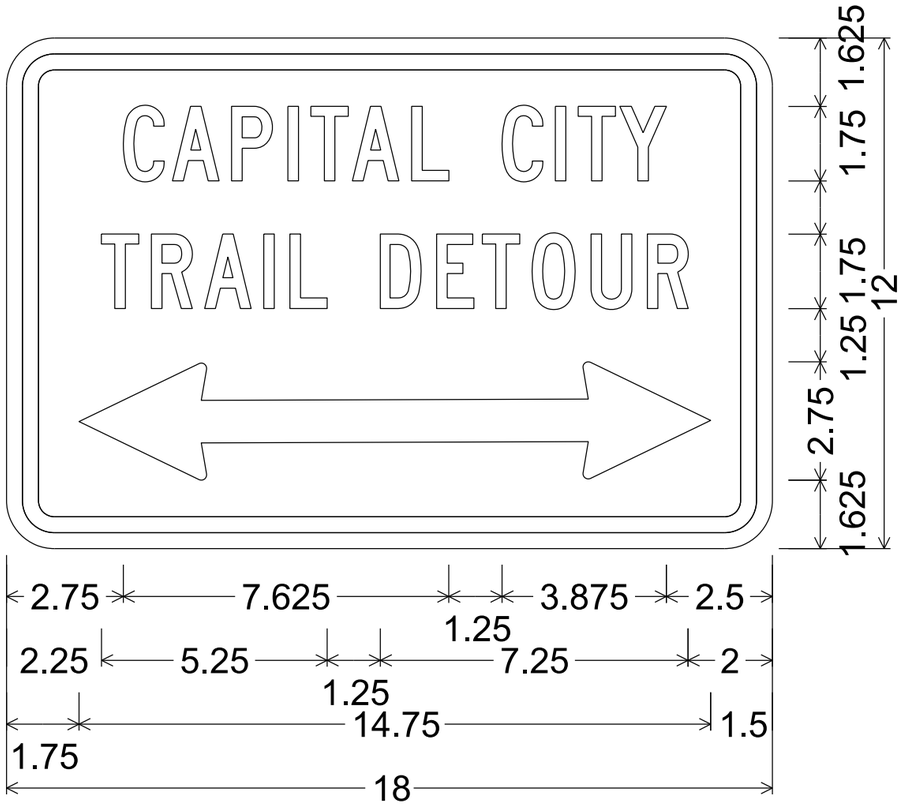
1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C

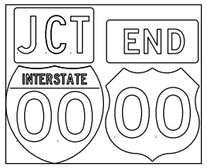


1.5" Radius, 0.375" Border, 0.375" Indent

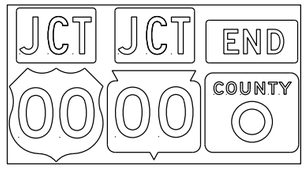
TYPICAL ASSEMBLIES



J1-1



J1-2



J1-3



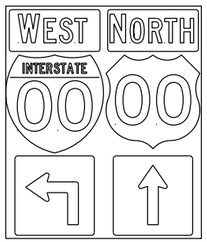
JR1-1



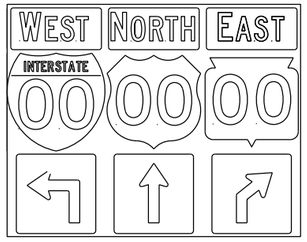
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



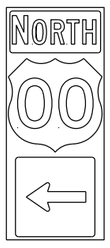
J2-1



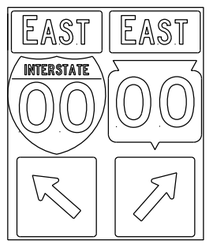
J2-2



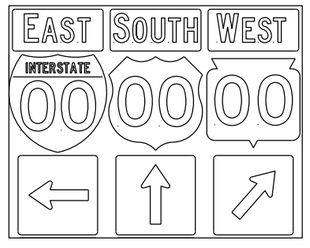
J2-3



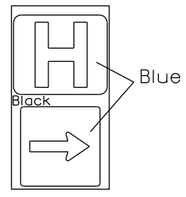
J3-1



J3-2



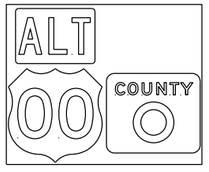
J3-3



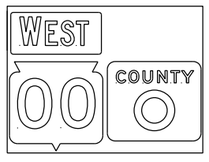
JH-1



J4-1



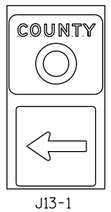
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



JR13-1



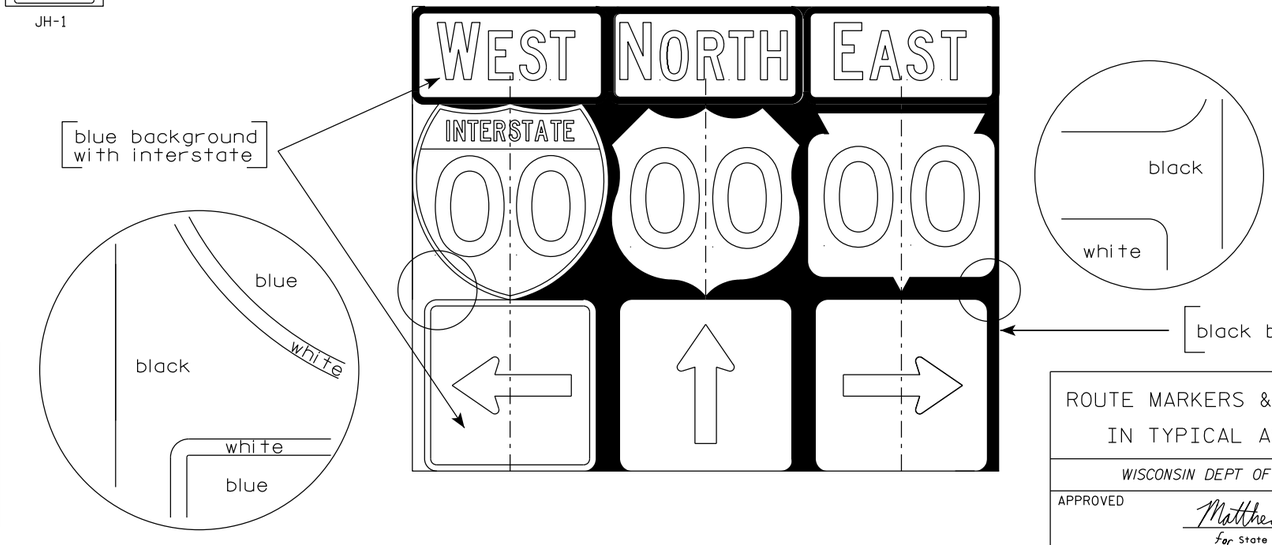
JR23-1



JR99-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

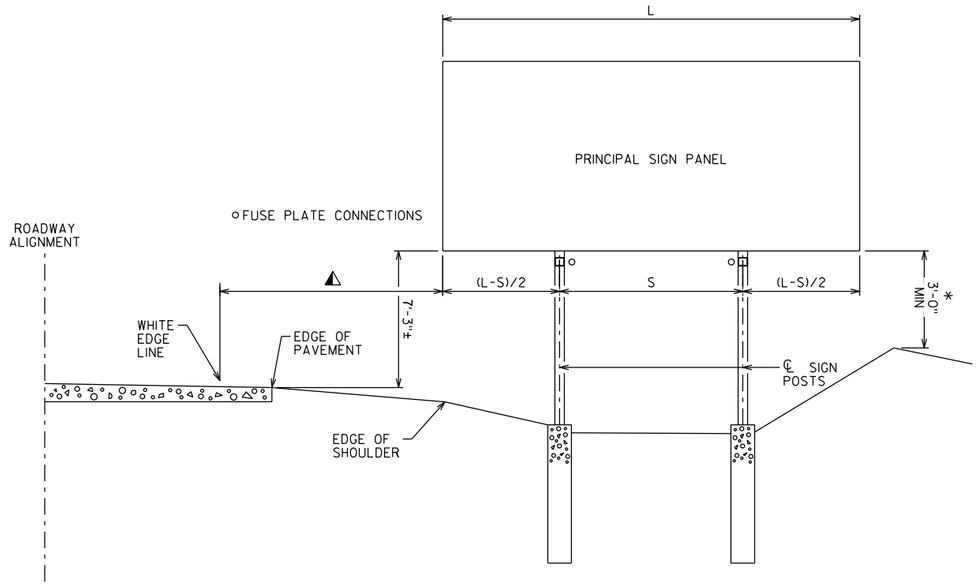
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

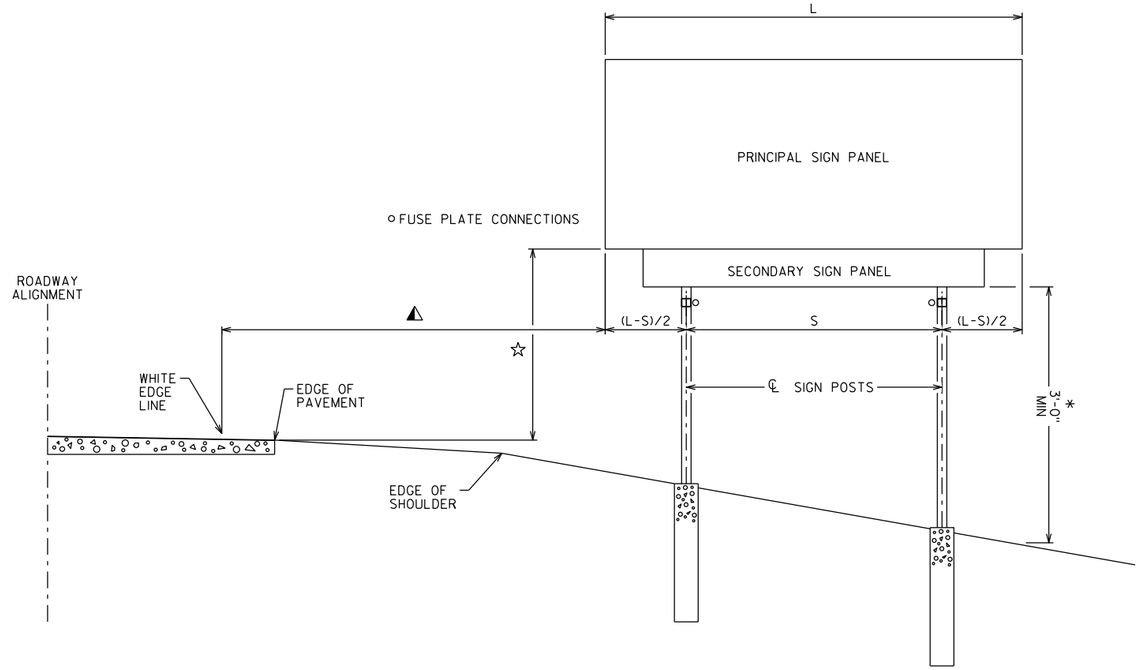
DATE 6/7/23 PLATE NO. A2-1S.10

PROJECT NO:

SHEET NO: 963 E



INSTALLATION WITHOUT SECONDARY SIGN



INSTALLATION WITH SECONDARY SIGN

TYPE 1 SIGN INSTALLATION NOTES:

FOR A 2-POST INSTALLATION, "S" EQUALS 3L/5, BUT SHALL NOT BE LESS THAN 6'-0".

FOR A 3-POST INSTALLATION, "S" EQUALS 5L/7, BUT SHALL NOT BE LESS THAN 12'-0". THE SPACING BETWEEN ANY TWO POSTS SHALL NOT BE LESS THAN 6'-0".

◭ UNLESS NOTED IN THE PLANS, THE SIGN OFFSET DISTANCE SHALL BE A MINIMUM OF 17'-6" FROM THE WHITE EDGE LINE, DESIRABLE 30'-0".

WHERE SIGNS ARE MOUNTED BEHIND CRASH WORTHY PROTECTION SUCH AS GUARDRAIL OR BARRIER WALL, THE LATERAL OFFSET MAY BE 4'-6" BEHIND THE GUARDRAIL OR BARRIER WALL.

THE ± TOLERANCE SHOWN ON THIS SHEETS IS 3".

THE VERTICAL SIGN HEIGHT CLEARANCES SHOWN ON THIS SHEET ARE MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE NEAR EDGE OF PAVEMENT.

☆ THE VERTICAL CLEARANCE SHALL BE 8'-3"± WHEN THE SECONDARY SIGN HEIGHT IS 3'-0" OR LESS. FOR SECONDARY SIGN HEIGHTS LARGER THAN 3'-0", THE VERTICAL CLEARANCE TO THE BOTTOM OF THE SECONDARY SIGN PANEL SHALL BE 5'-3"±.

* THE VERTICAL SIGN GROUND CLEARANCE ON RIGHT END OF SIGN SHALL BE A MINIMUM OF 3'-0"±.

○ FOR 2-POST SIGNS, IF THERE IS A SECONDARY SIGN THAT IS NOT AS WIDE AS THE POSTS, INSTALL FUSE PLATES BENEATH PRINCIPAL SIGN.

FOR SECONDARY SIGNS THAT ARE NOT AS WIDE AS THE EXTERIOR POSTS, SECURE SIGN WITH CHANNEL STEEL AS DESCRIBED IN A4-6.

POST LENGTHS SHOWN IN THE MISCELLANEOUS QUANTITIES ARE ESTIMATED LENGTHS. THE CONTRACTOR SHALL VERIFY POST LENGTHS AT THE TIME OF FINAL GRADING.

REFER TO THE TRAFFIC ENGINEERING OPERATIONS AND SAFETY MANUAL FOR FURTHER GUIDANCE ON MINIMUM VERTICAL CLEARANCE REQUIREMENTS.

NO.	DATE	REVISION	BY
	2/29/24		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE BTO TYPE I SIGNS

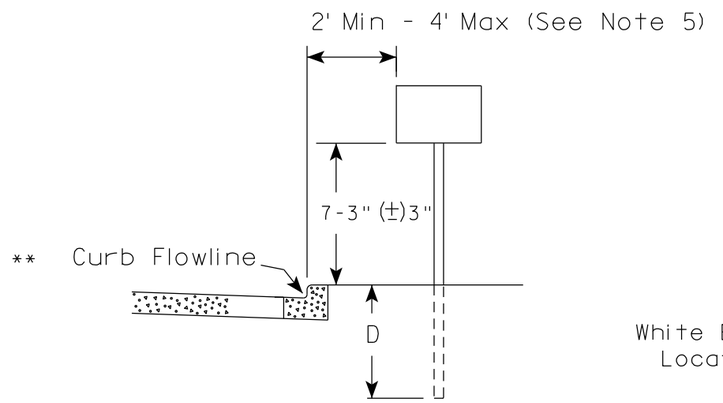
DRAWN BY	PLANS CK'D.

TYPICAL TYPE I SIGN INSTALLATION

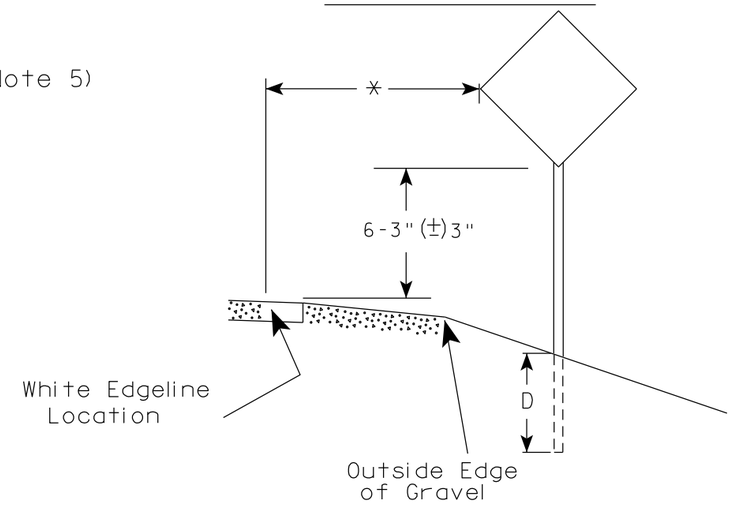
SHEET A4-1.11

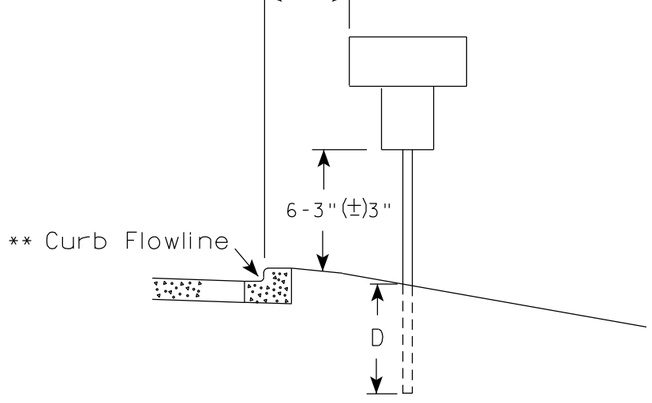
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 964	E

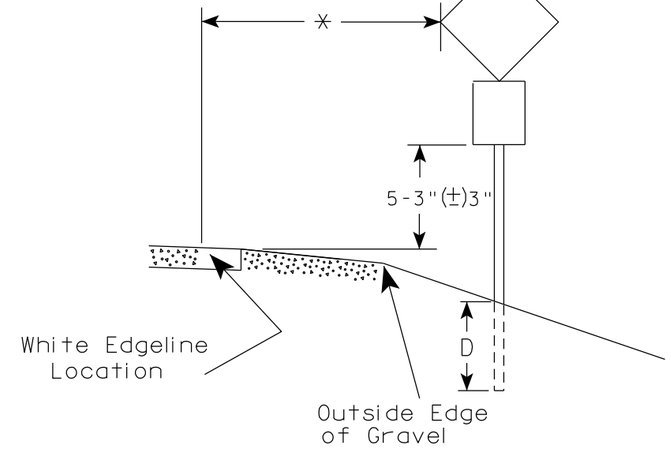
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

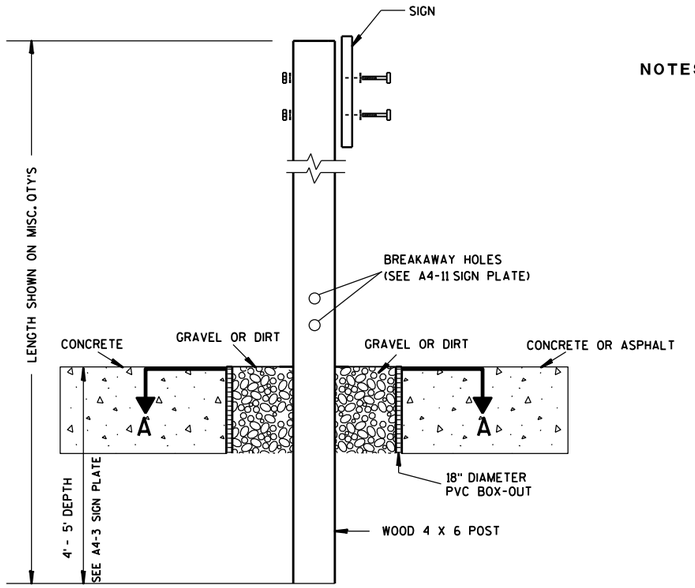
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

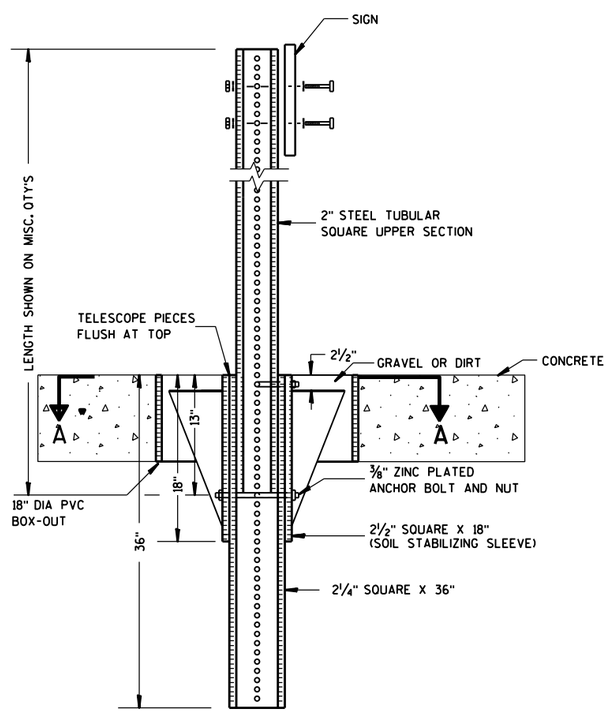
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 965	E



ELEVATION VIEW

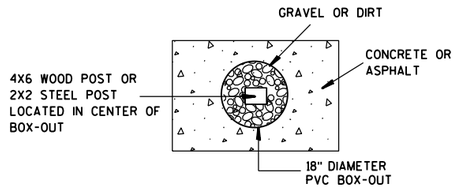
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

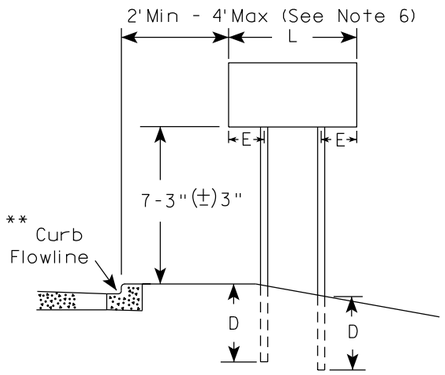
APPROVED Matthew R Rauch
for State Traffic Engineer

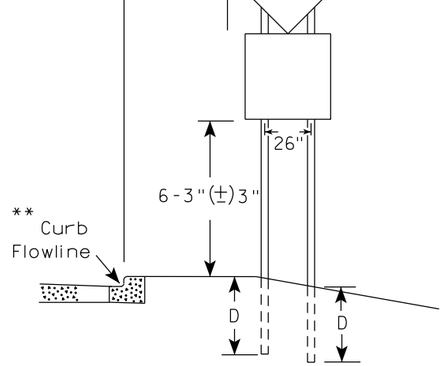
DATE 1/27/14 PLATE NO. A4-3B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

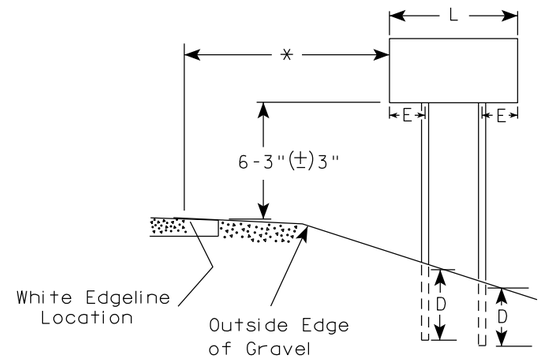
URBAN AREA

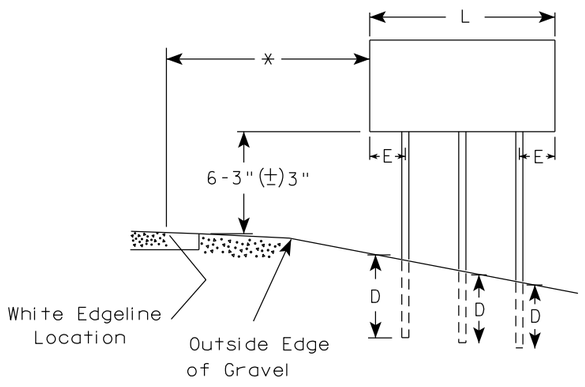


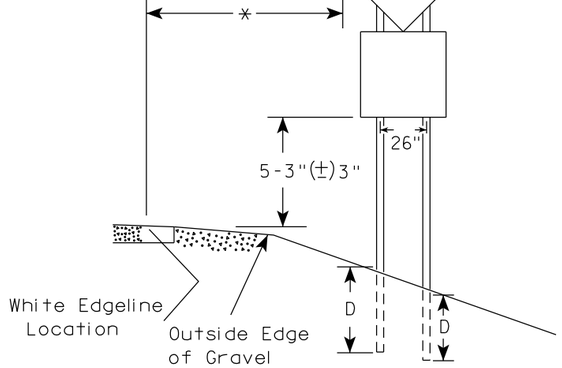


48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

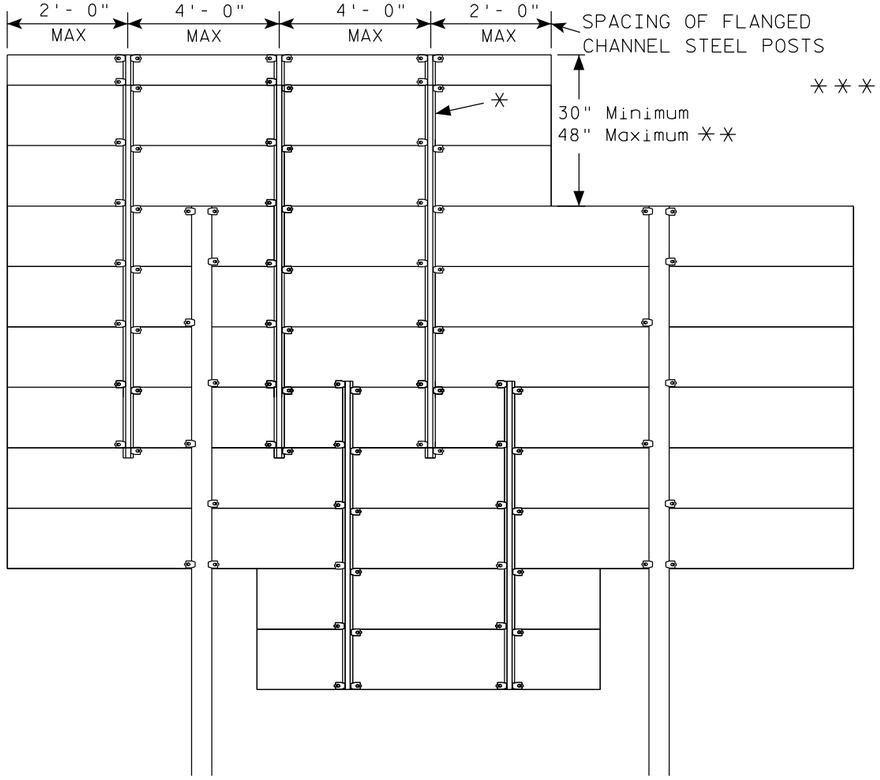
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 967	E

GROUND MOUNTED SIGN



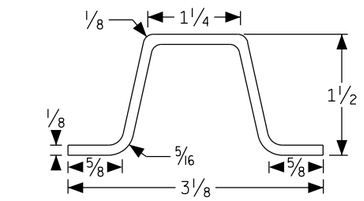
✳=2.00 lb/ft AND 4.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

✳✳=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

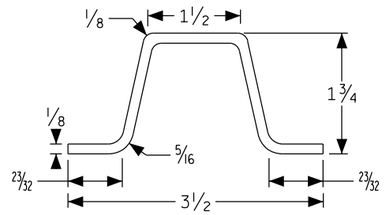
✳✳✳ THESE SPACING DISTANCES SHALL ONLY BE USED WHEN THE MAIN SIGN HAS A MAXIMUM HEIGHT (DIMENSION H) OF 15 FT OR LESS. FOR SIGNS WITH A HEIGHT OF GREATER THAN 15 FT, STRUCTURAL CALCULATIONS SHALL BE PERFORMED.

FLANGE CHANNEL DETAILS

NOT TO SCALE

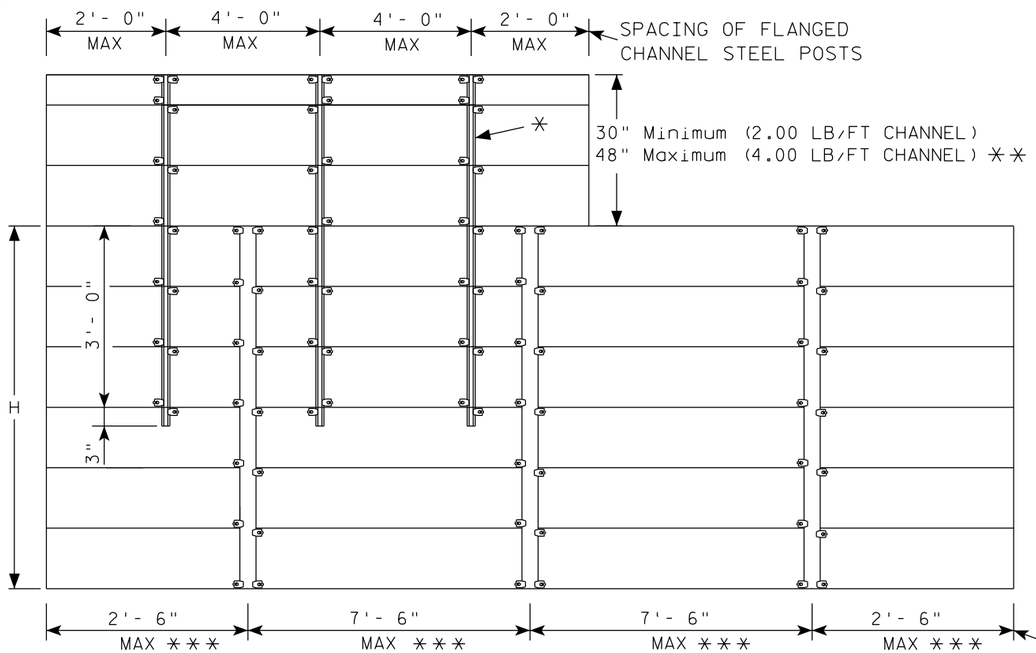


2.00 LB/FT CHANNEL



4.00 LB/FT CHANNEL

SIGN BRIDGE MOUNTED SIGN



SPACING OF ALUMINUM SIGN SUPPORTS
5" X 3.5" X 3.7 LBS./ft.

GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

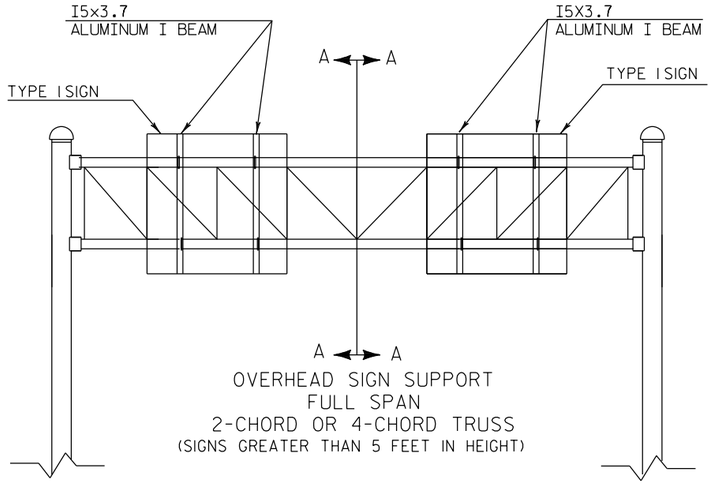
   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)
6. Structural steel sign supports shall extend to the top of the main signs, as shown on the above details.

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

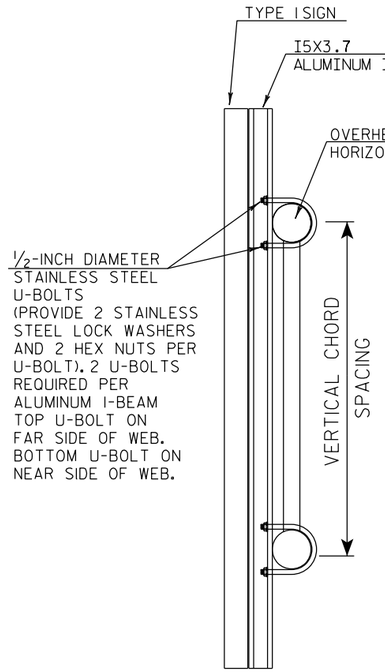
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

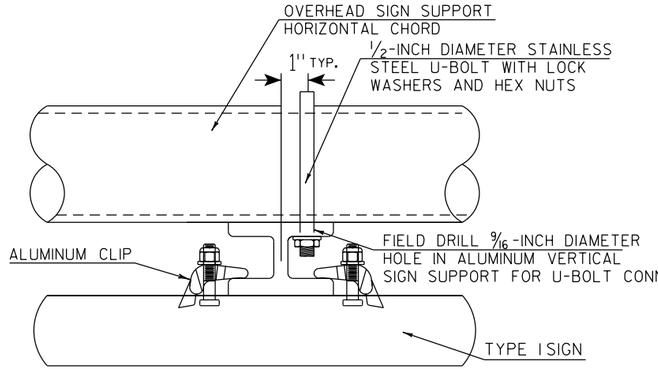
DATE 1/07/20 PLATE NO. A4-6.12



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



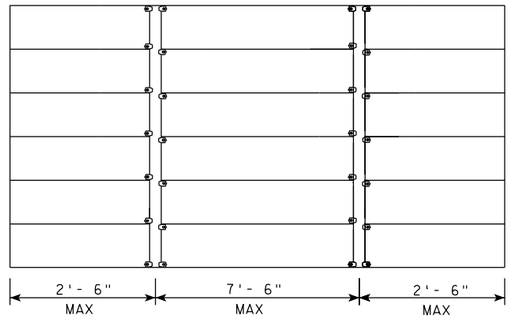
CUT SECTION A-A



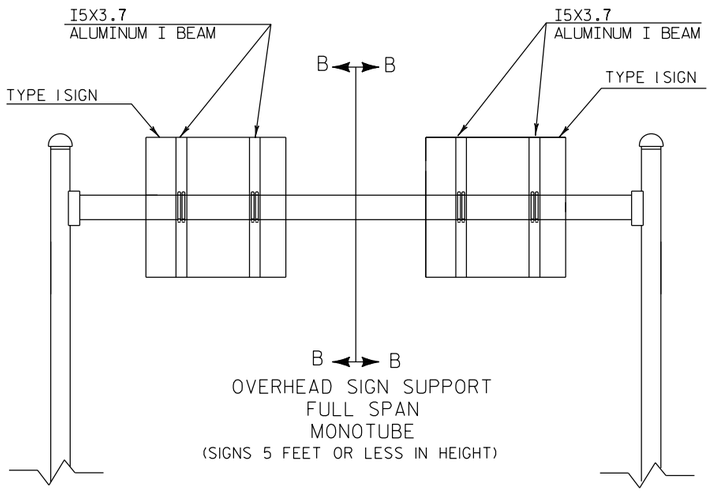
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

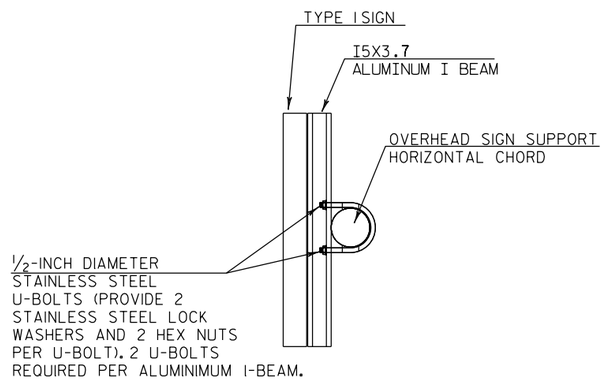
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



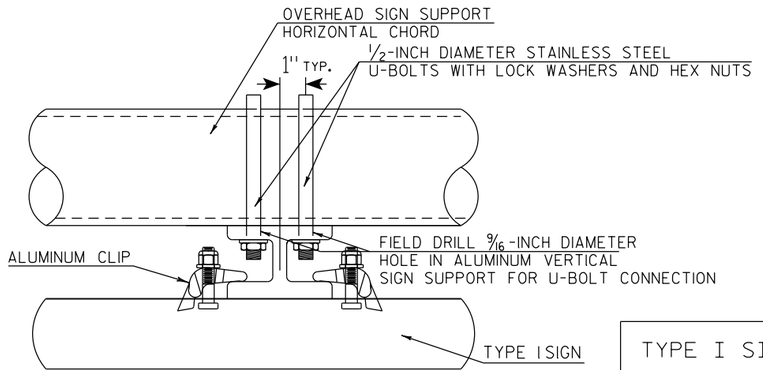
SPACING OF I5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

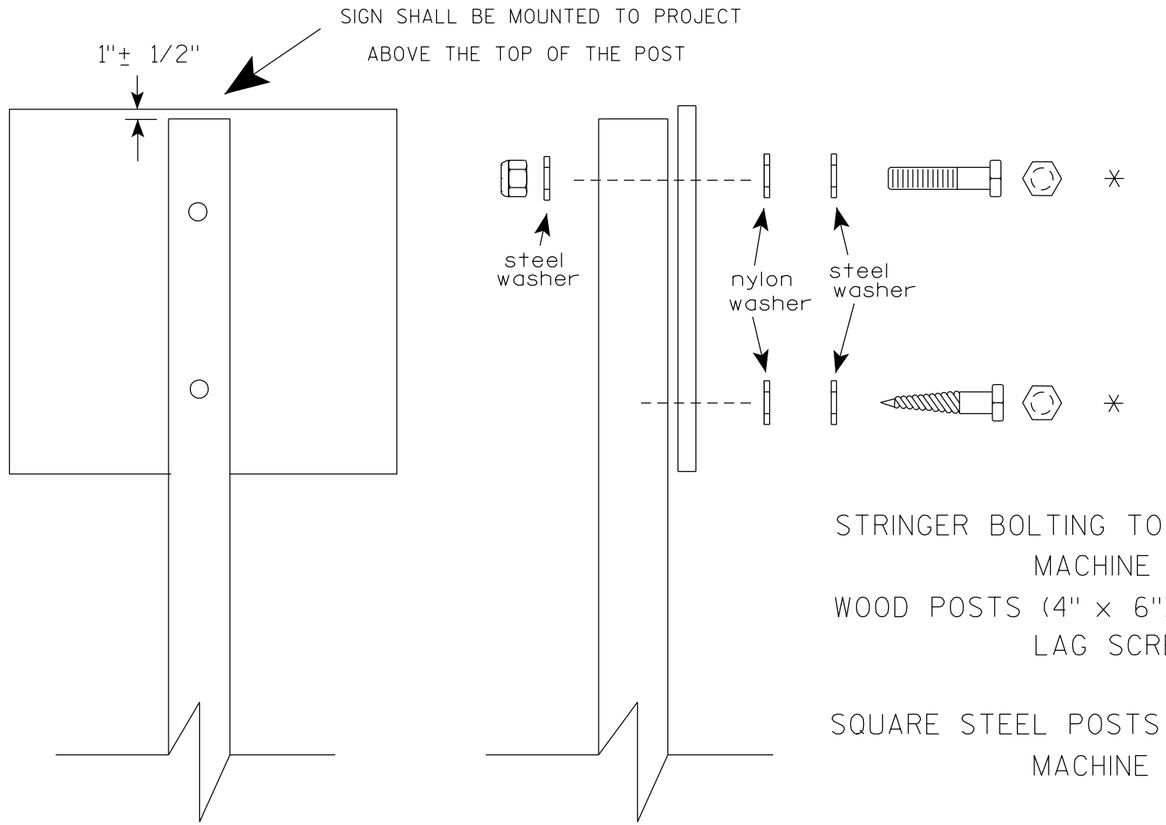
TYPE I SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 969	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

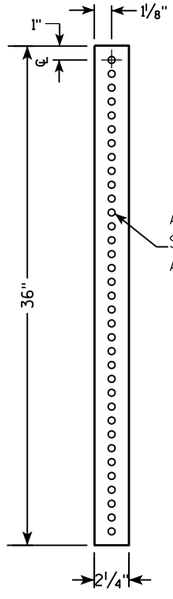
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

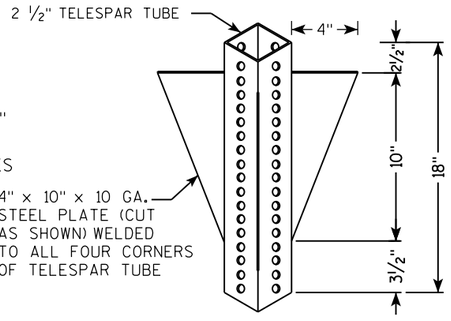
SHEET NO: 970 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

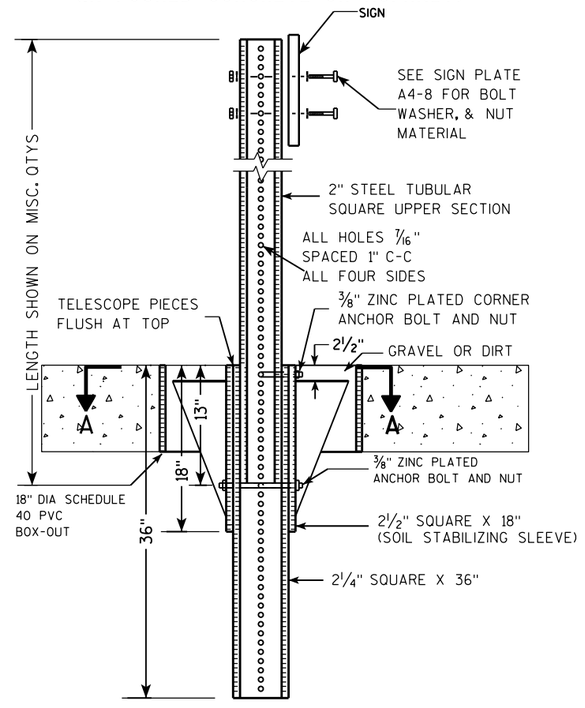
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



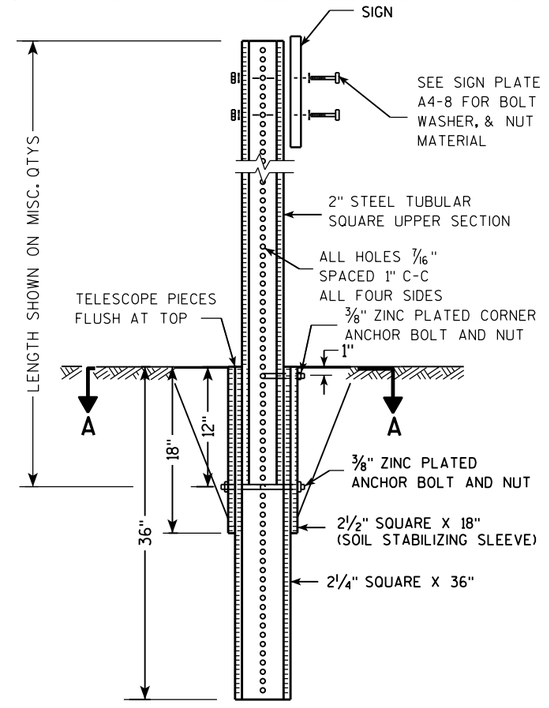
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

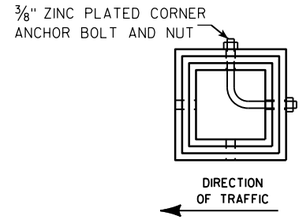


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

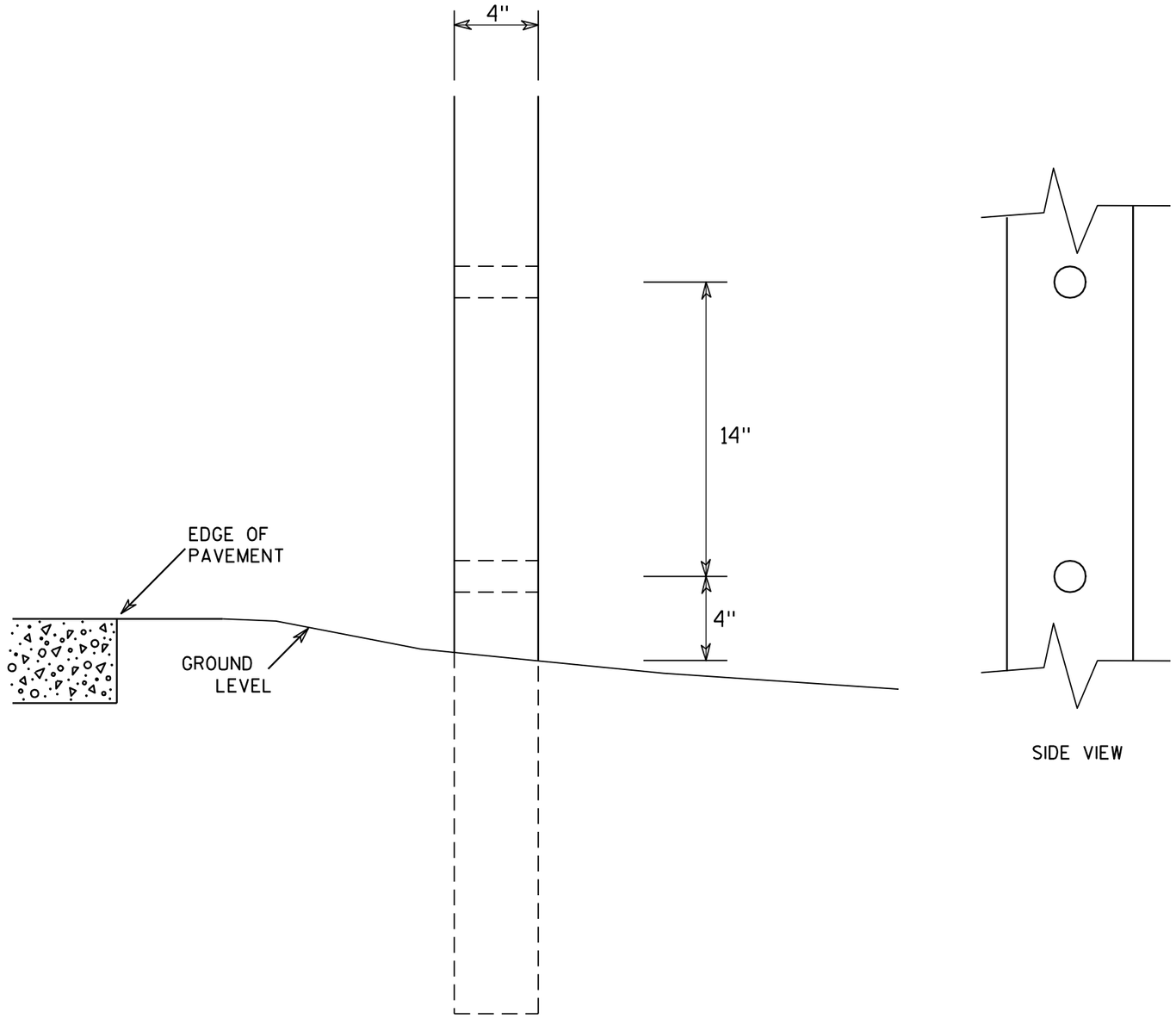
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 971 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

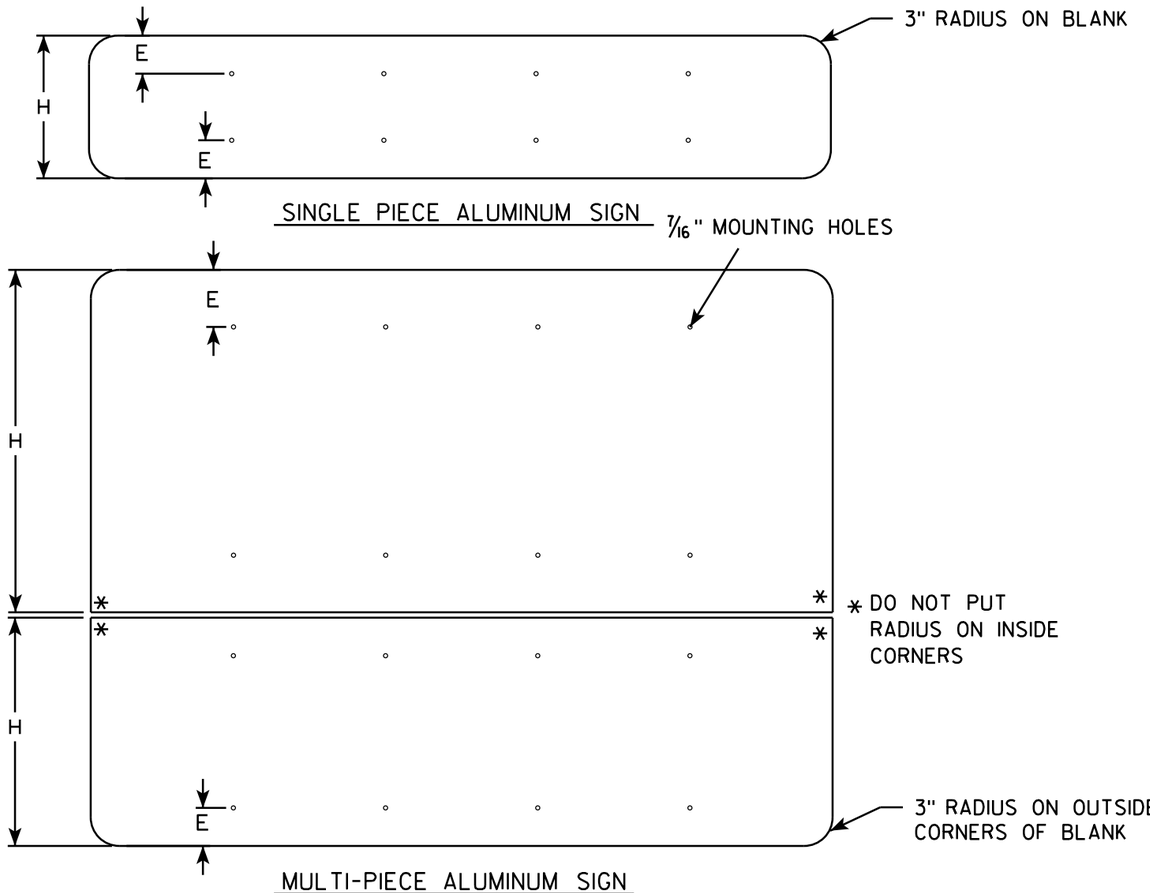
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

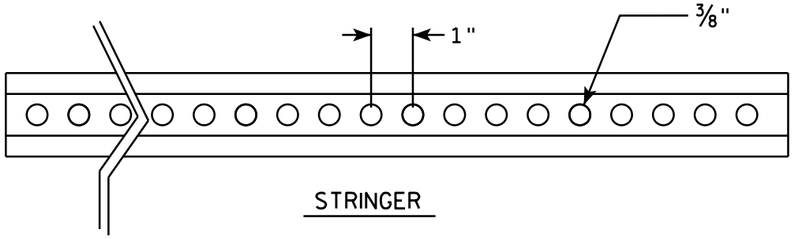
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 972	E



GENERAL NOTES

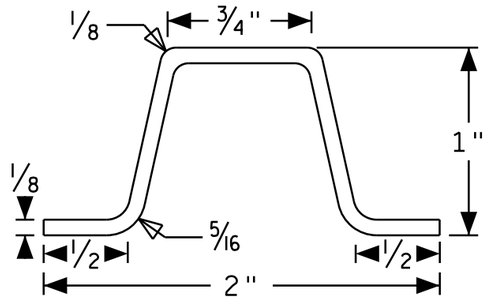
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

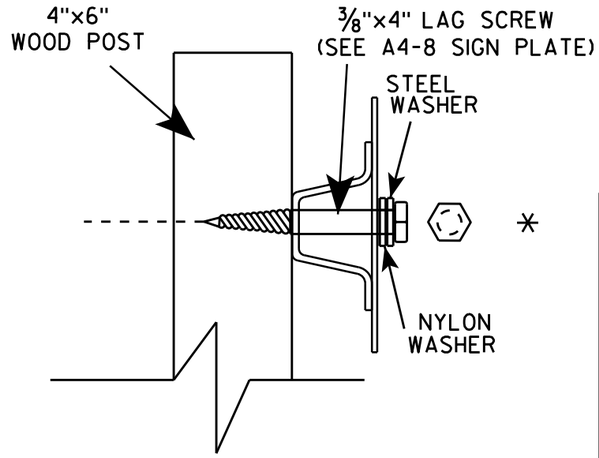


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

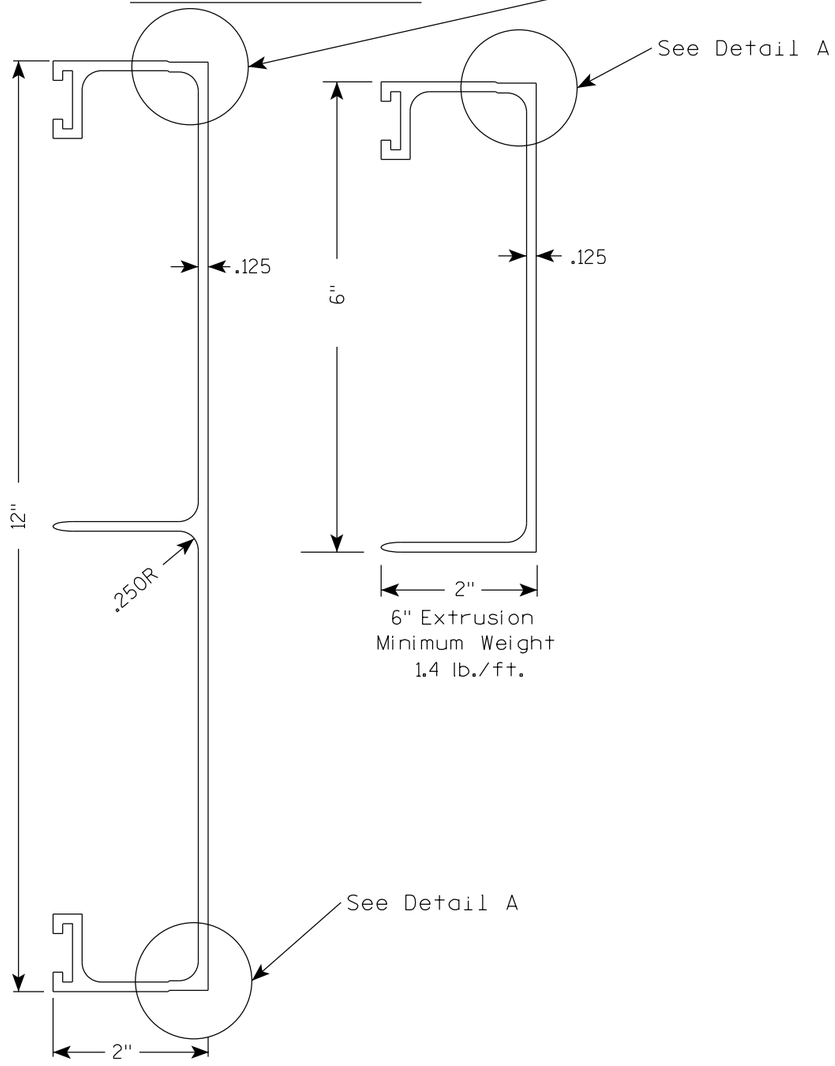
for State Traffic Engineer

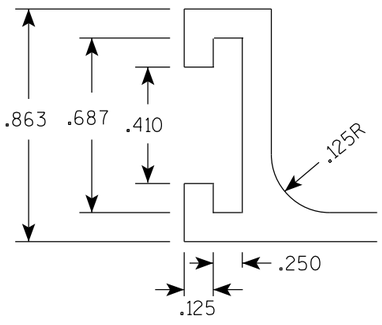
DATE 4/26/16 PLATE NO A4-18.1

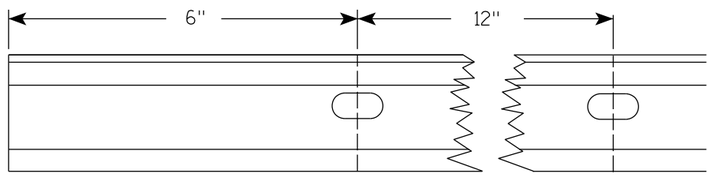
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000

Extruded Shape







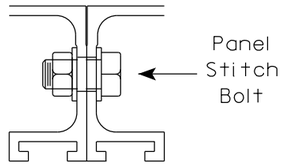
Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

Hardware

STITCH BOLT, WASHER & NUT

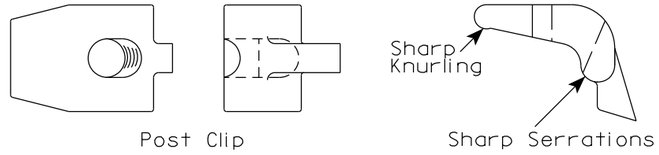
The hardware includes:

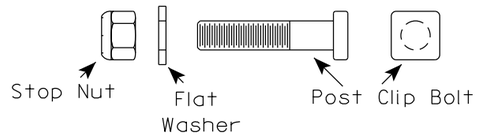
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

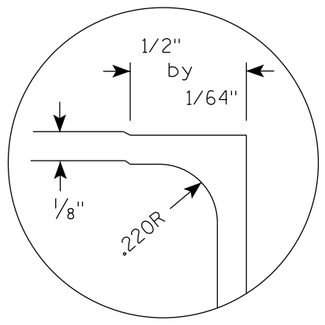
Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.
4. Edge wrapping of sign sheeting required on all extrusions joints shown in Detail A.



DETAIL A (EDGE WRAP JOINT)

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

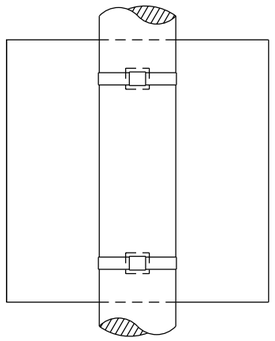
DATE 1/07/20 PLATE NO. A5-2.10

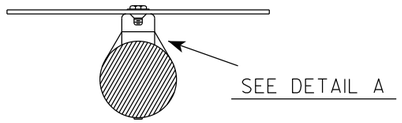
PROJECT NO:

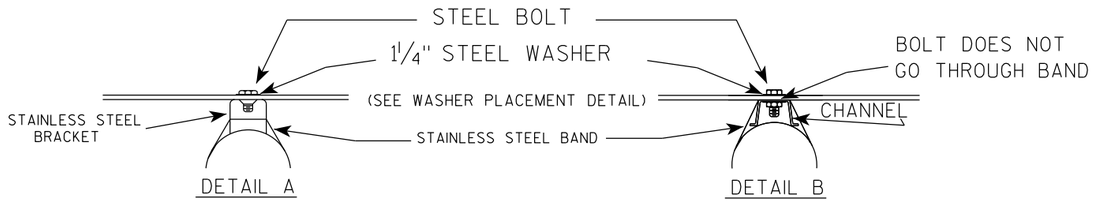
SHEET NO: 974 E

BANDING

SINGLE SIGN



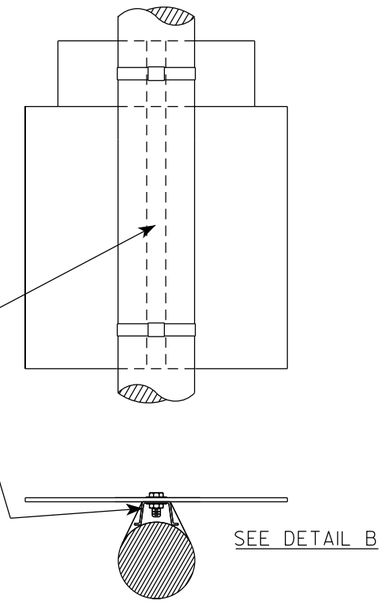




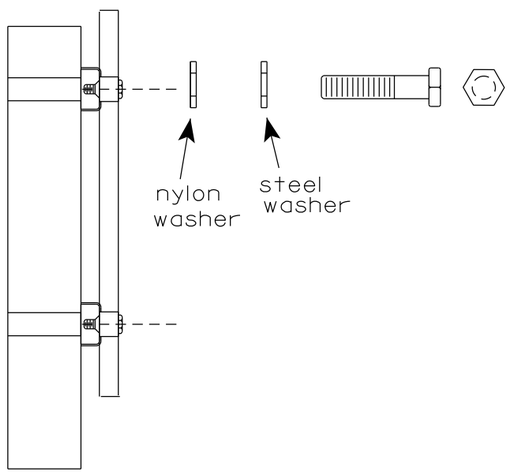
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

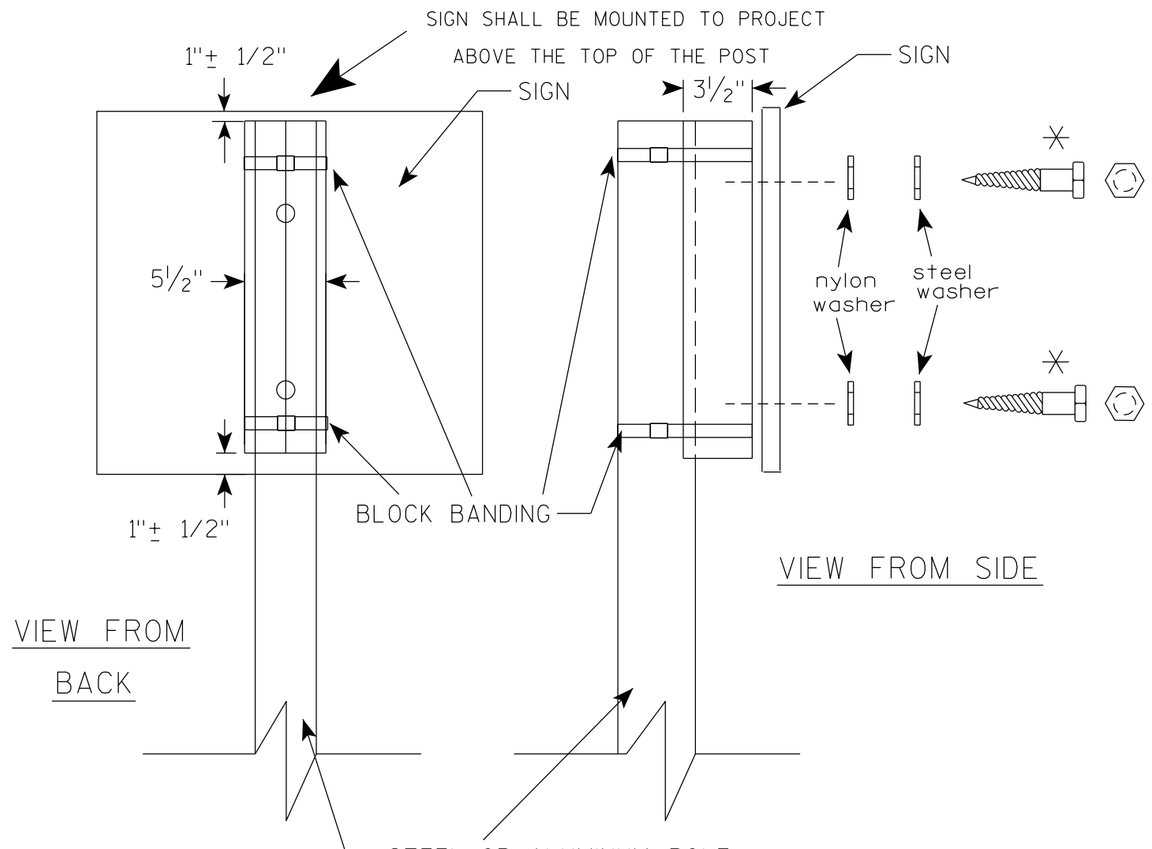
DATE 6/10/19 PLATE NO. A5-9.4

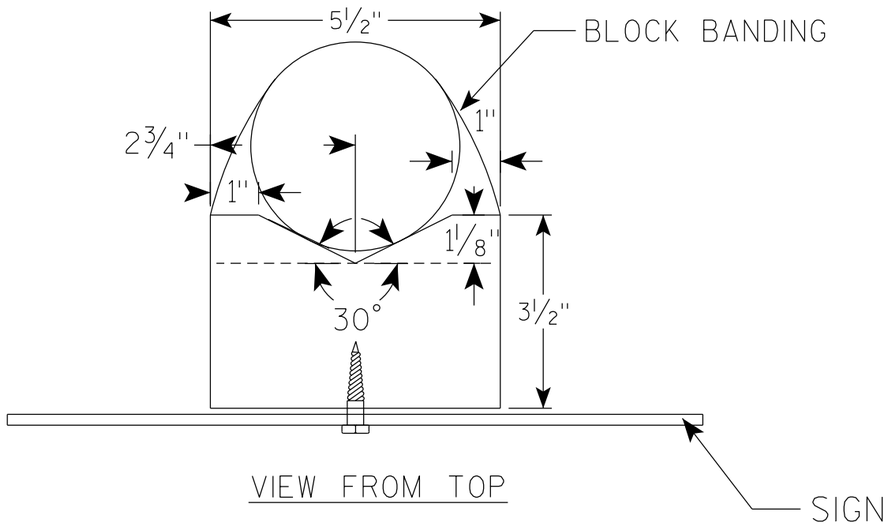
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 975	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

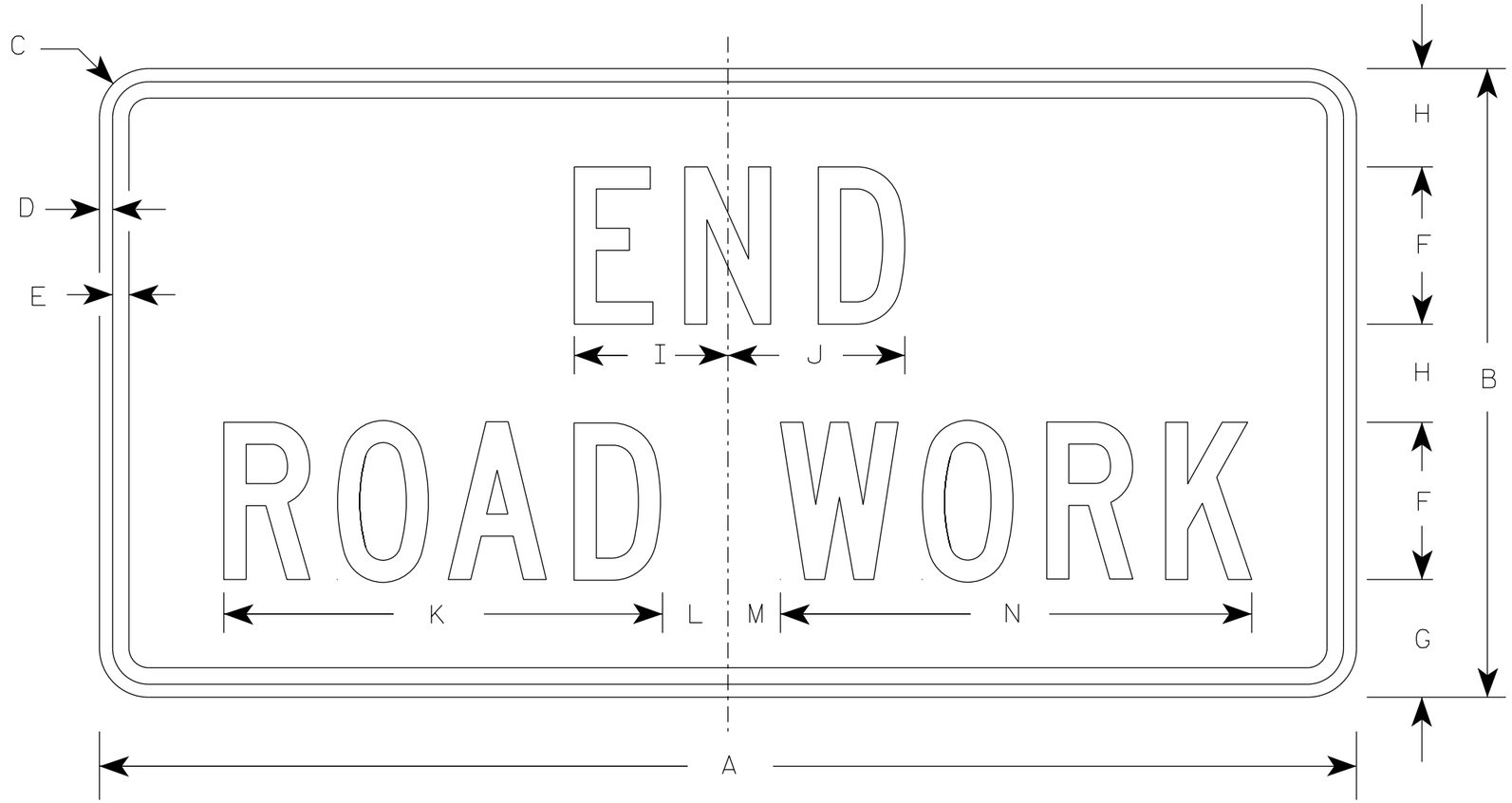
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 976 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

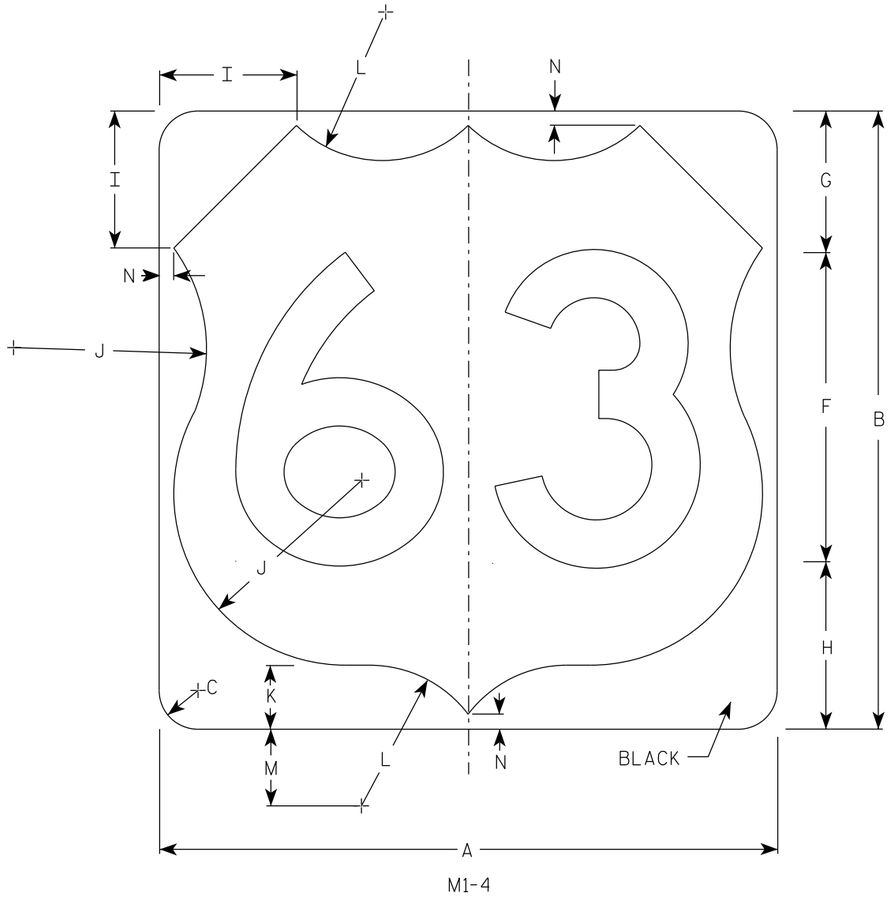
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

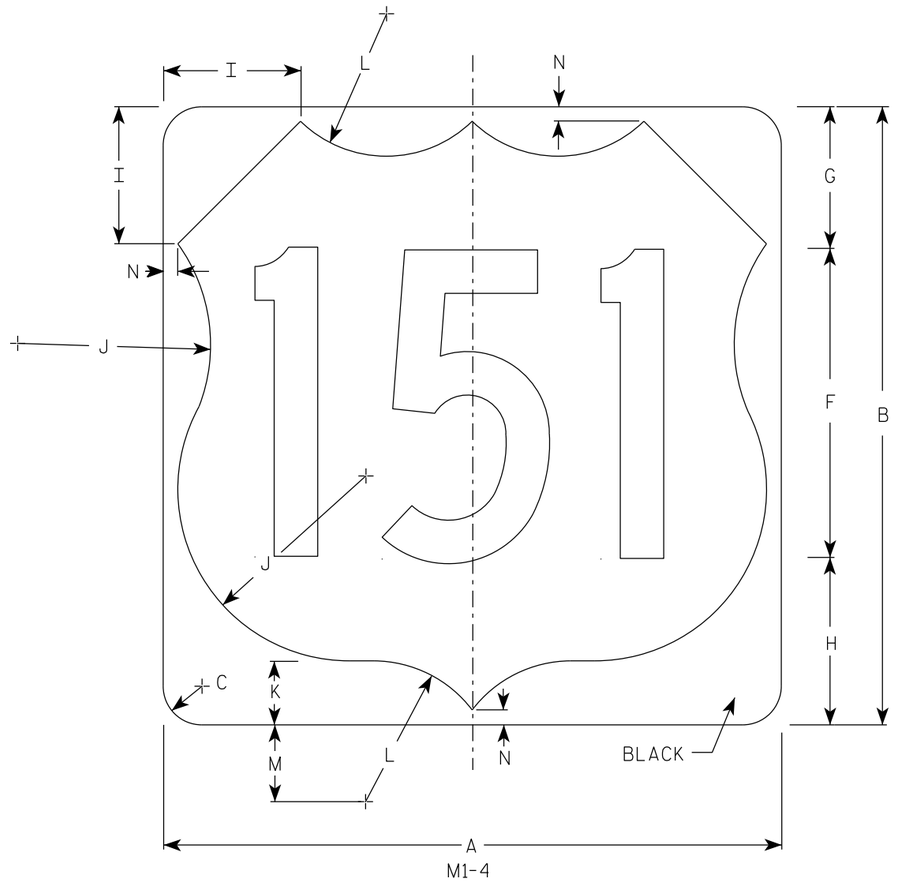
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 977 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
2M	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

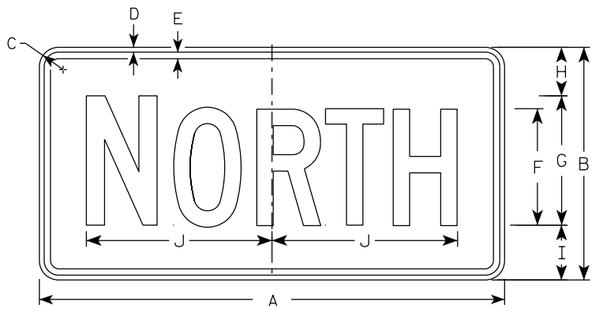
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

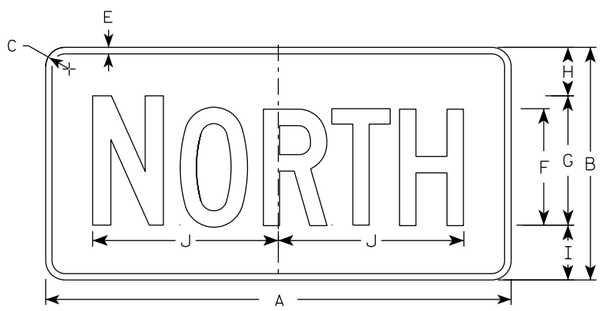
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

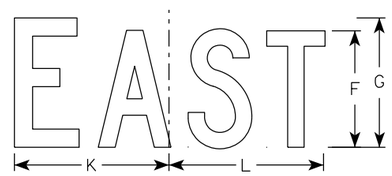
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 978 E



M3-1
MM3-1
MP3-1



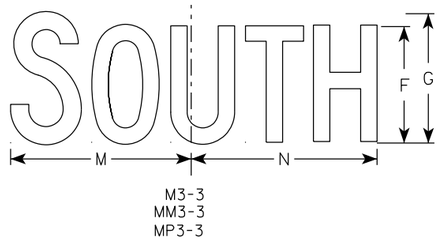
MB3-1
MK3-1
MN3-1



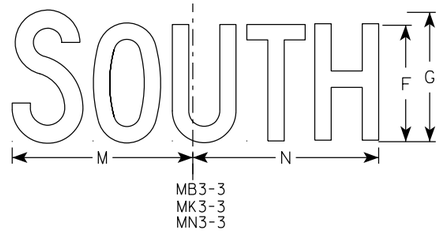
M3-2
MM3-2
MP3-2



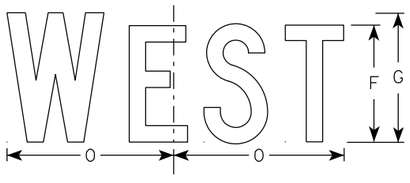
MB3-2
MK3-2
MN3-2



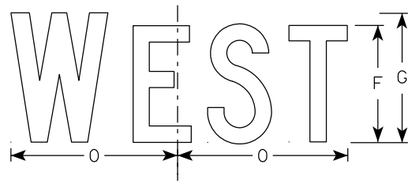
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

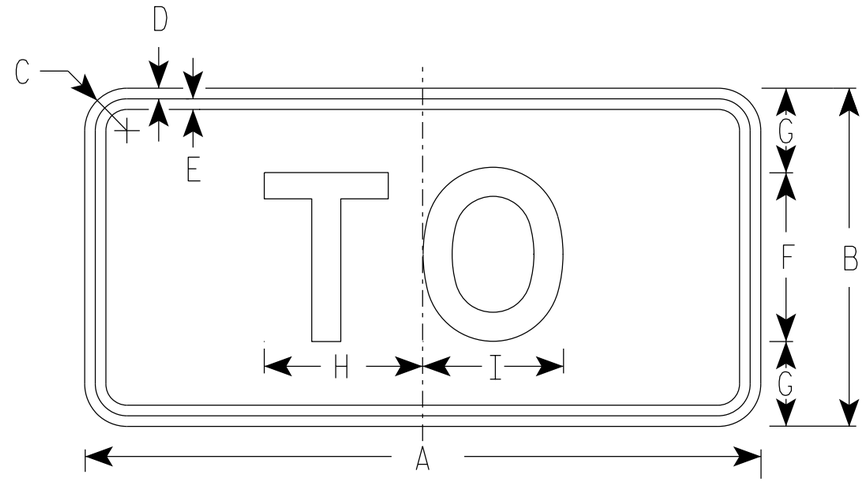
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

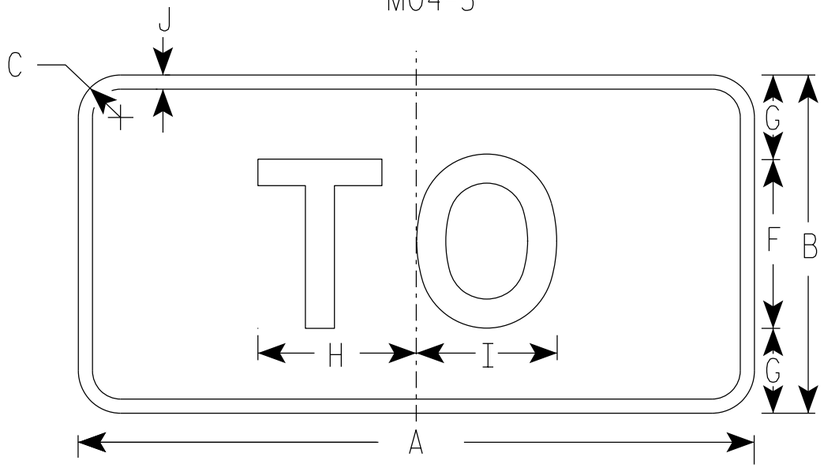
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 979	E



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
2M	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
3	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
4	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
5	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5

STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

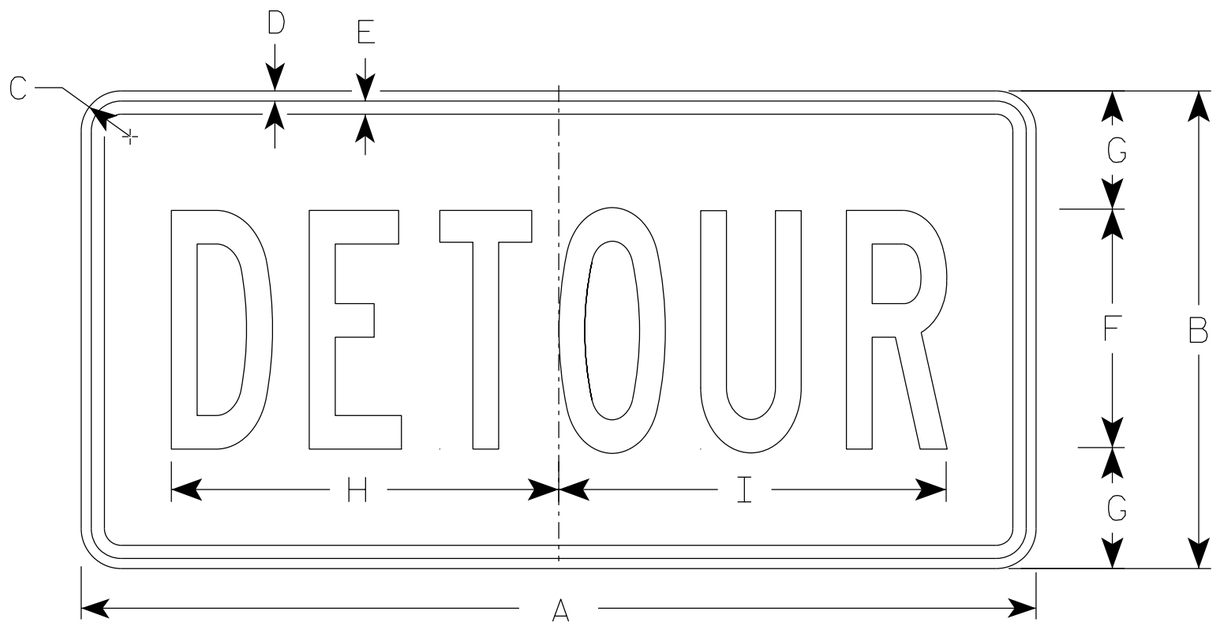
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 980 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M4-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

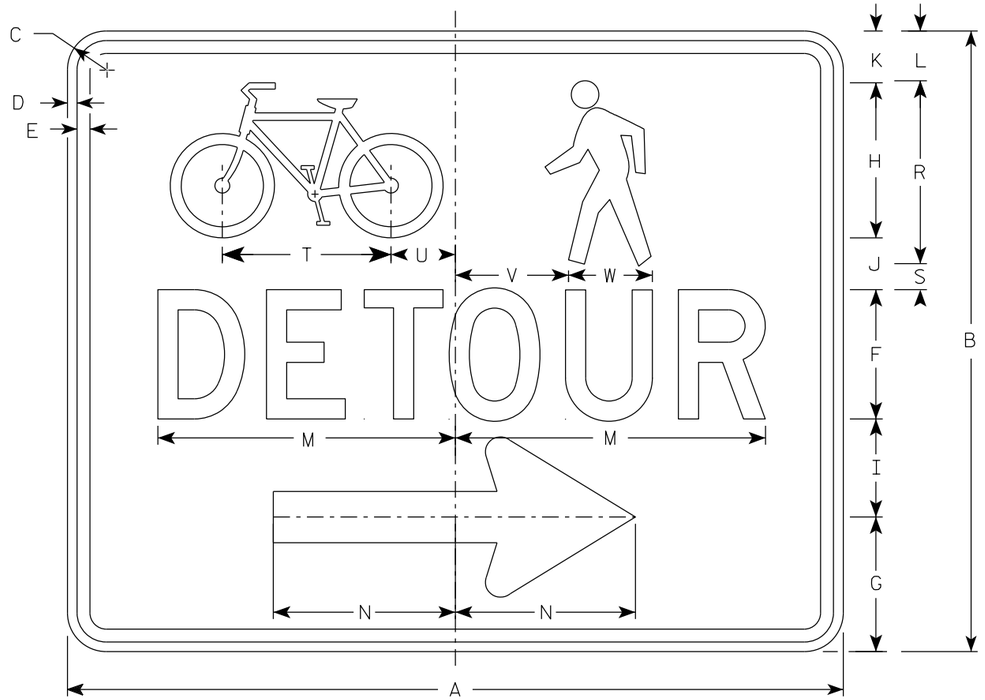
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

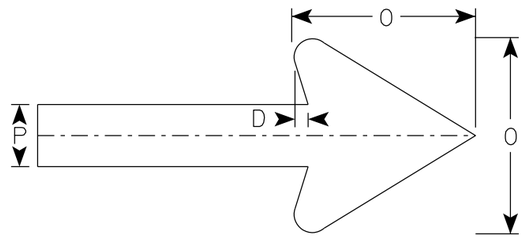
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 981	E



M4-9AR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9AL is the same as M4-9AR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

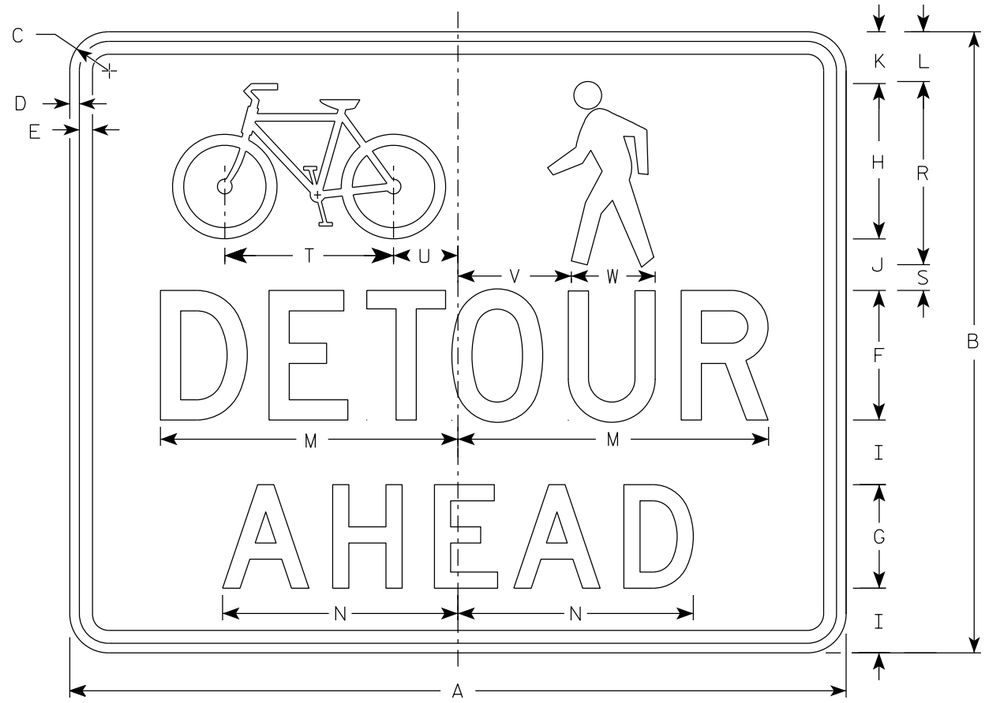
STANDARD SIGN
M4-9A L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9A.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 982	E



M4-9AA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	4	6	2 1/2	2	2	1 7/8	11 3/4	9 1/8				7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
2M	30	24	1 1/2	3/8	1/2	5	4	6	2 1/2	2	2	1 7/8	11 3/4	9 1/8				7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

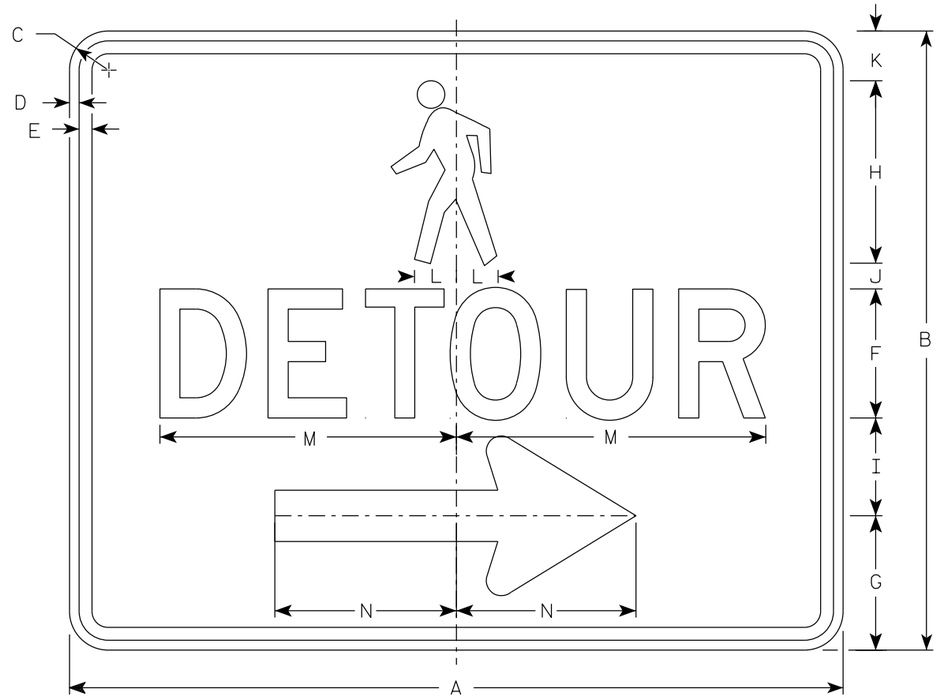
STANDARD SIGN
M4-9AA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9AA.3

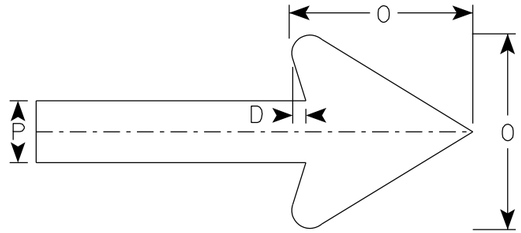
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 983 | E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

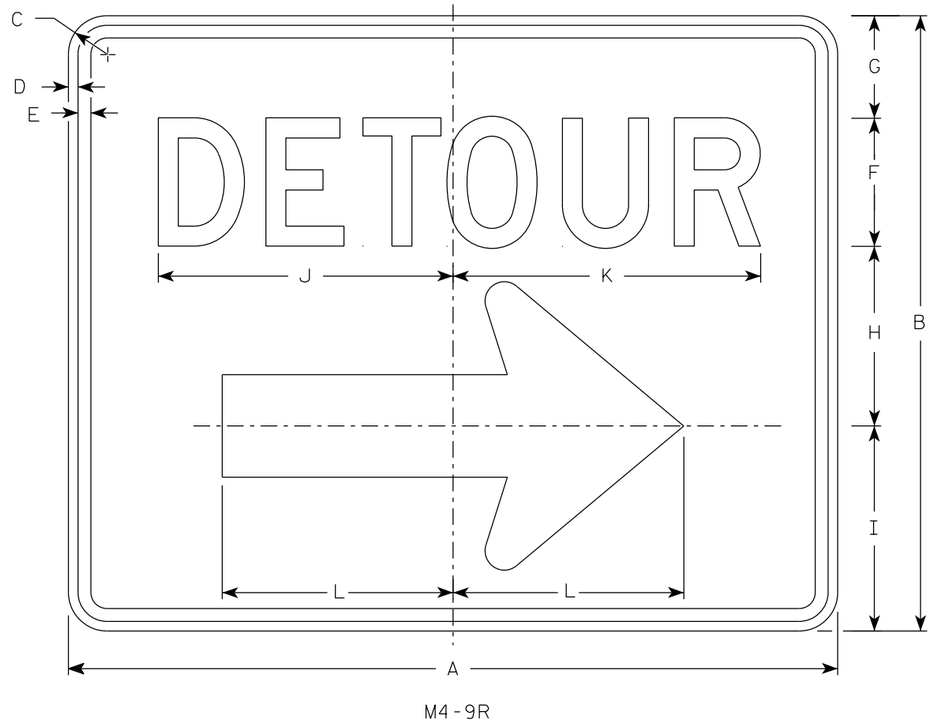
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

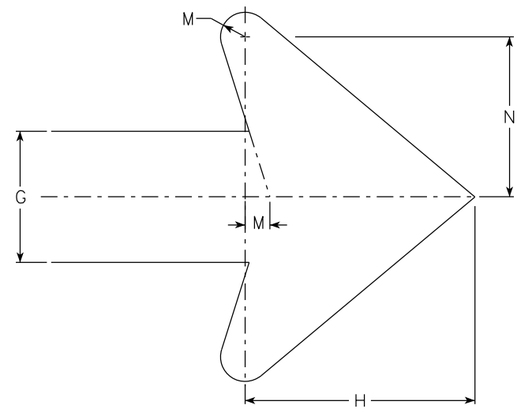
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 984 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

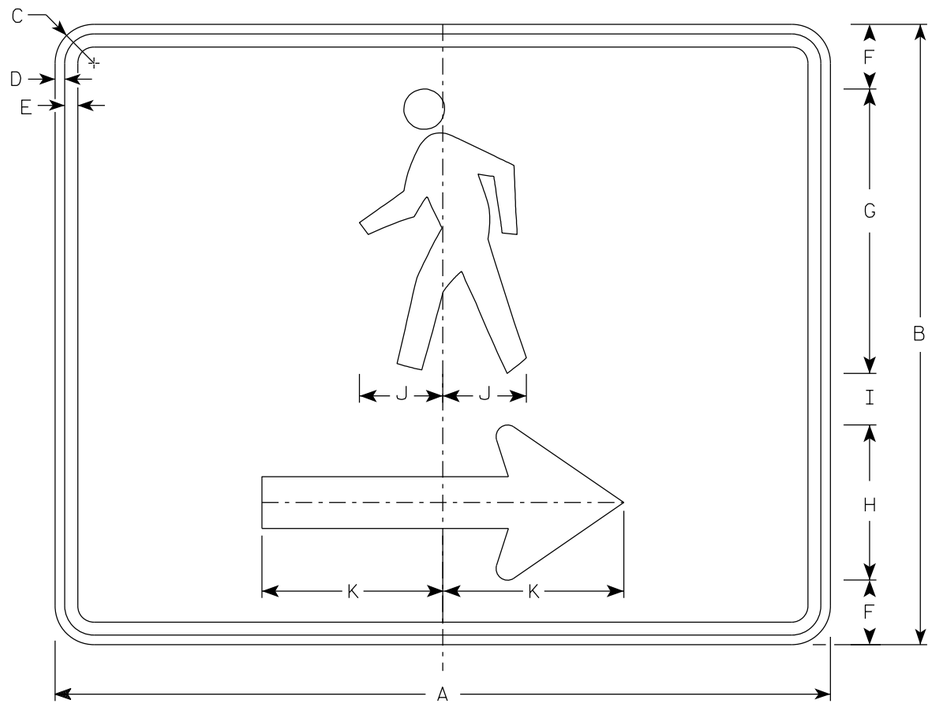
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

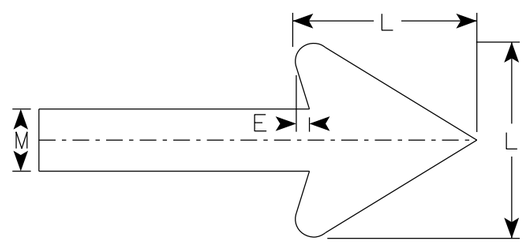
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

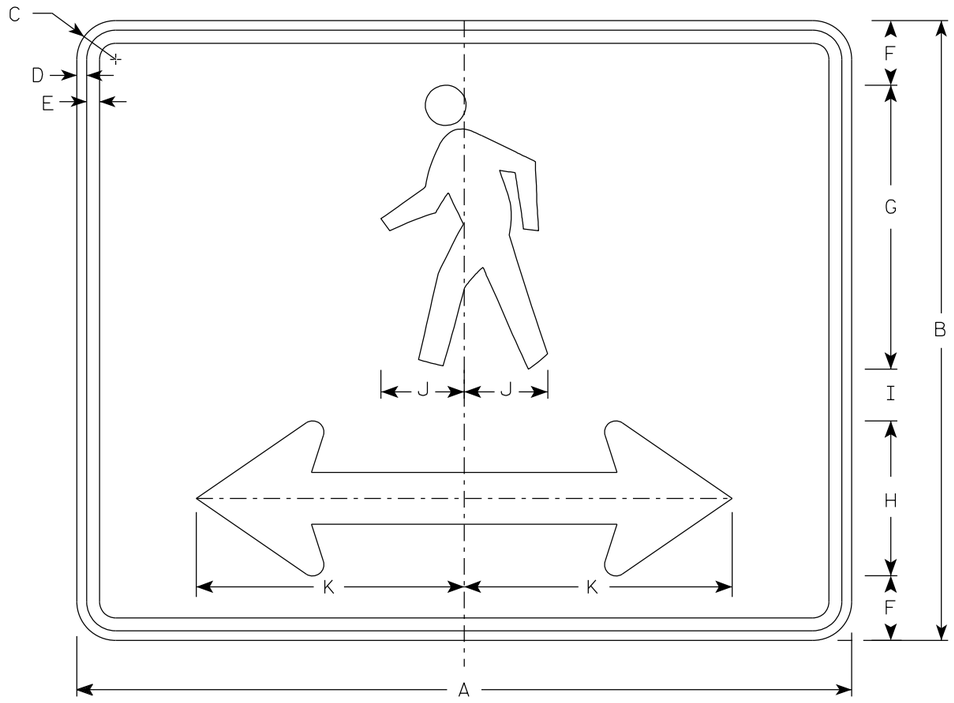
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

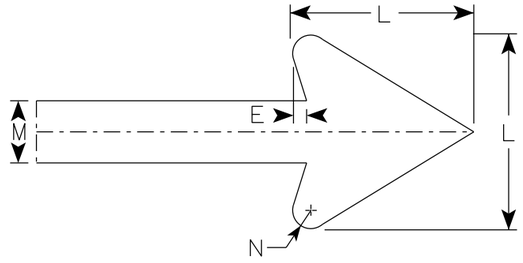
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 986 | E



M4-60D

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
3																											
4																											
5																											

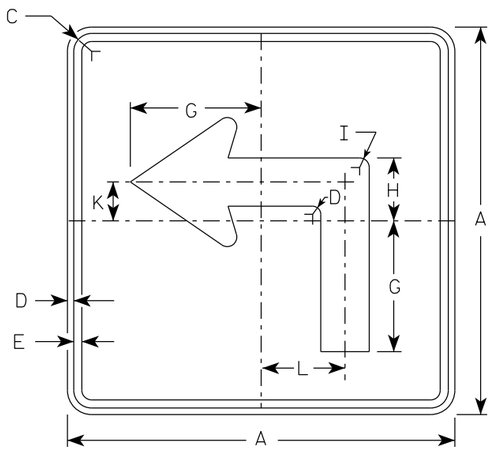
STANDARD SIGN
M4-60D

WISCONSIN DEPT OF TRANSPORTATION

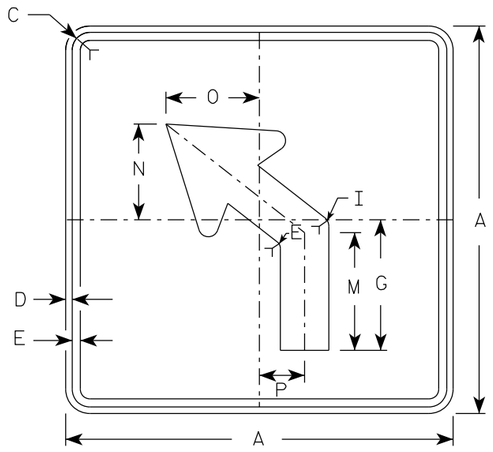
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60D.2

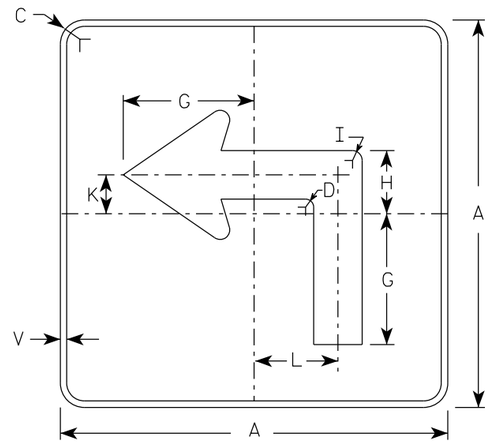
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 987 | E



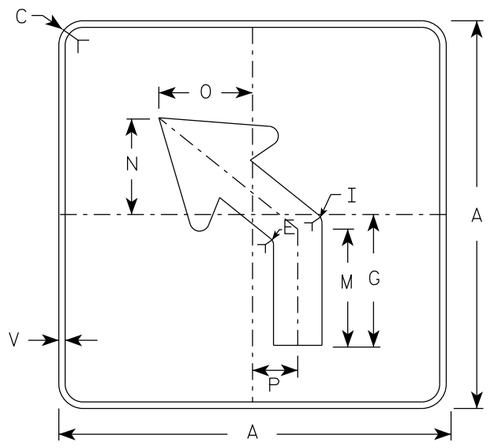
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

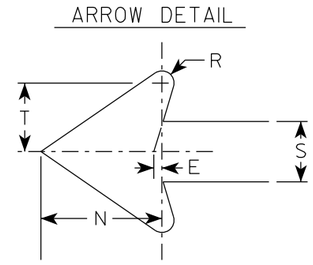


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

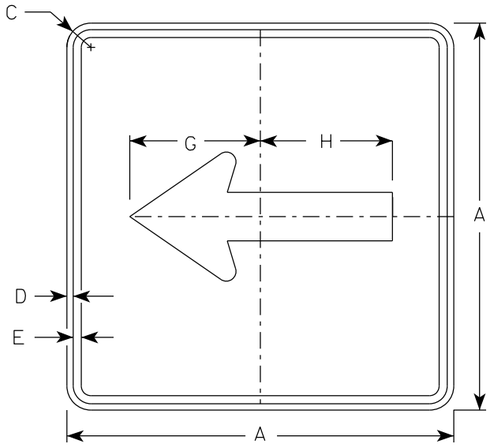
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

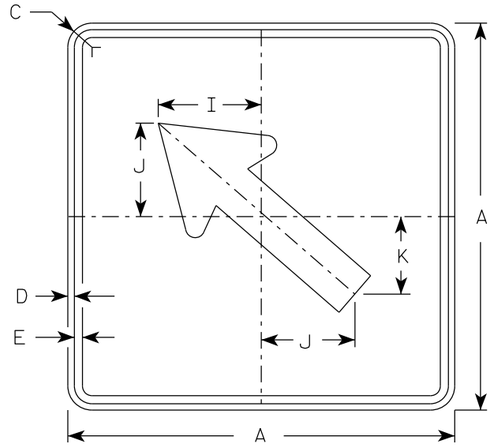
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

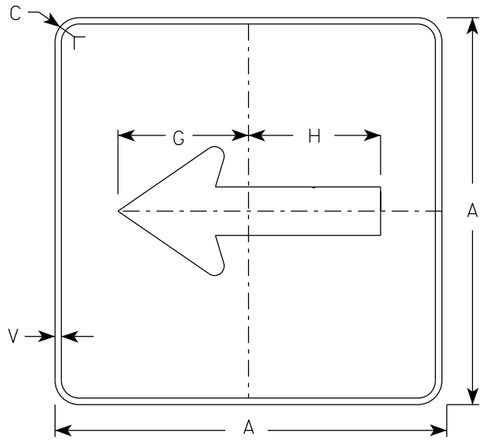
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 988 | E



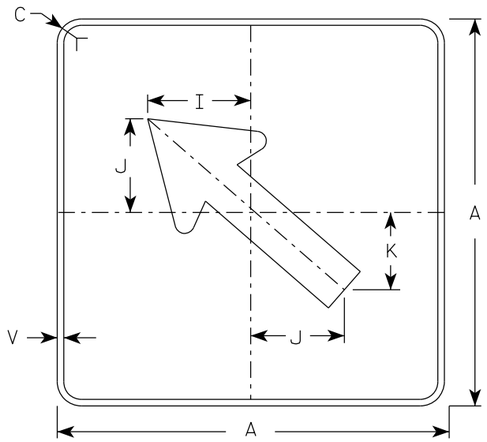
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

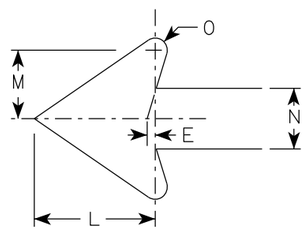


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

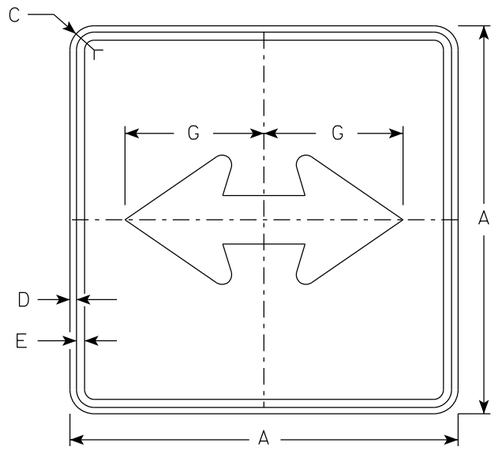
STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

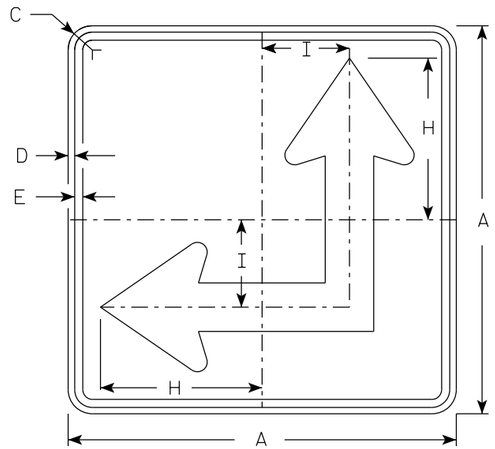
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

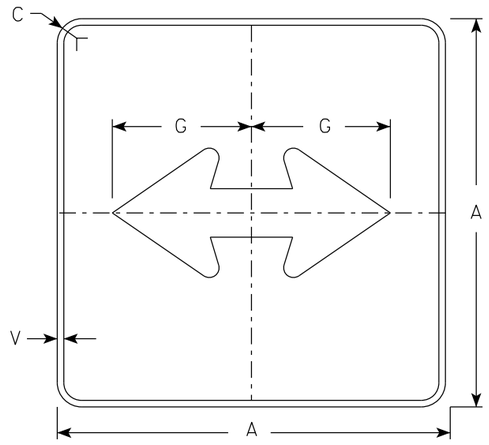
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 989 | E



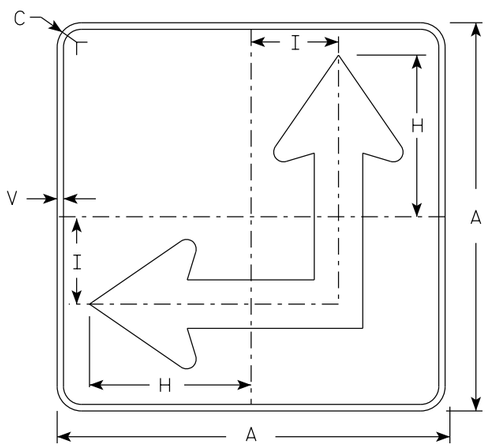
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

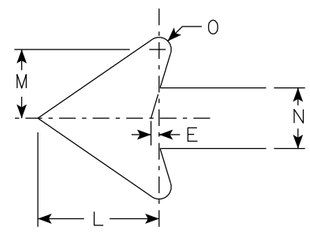


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

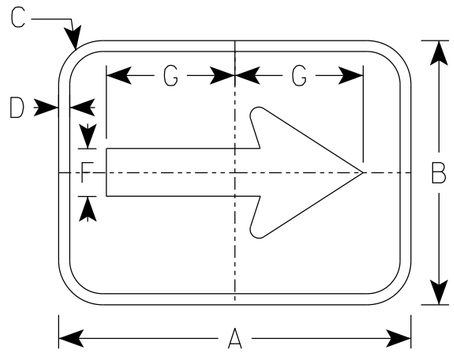
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

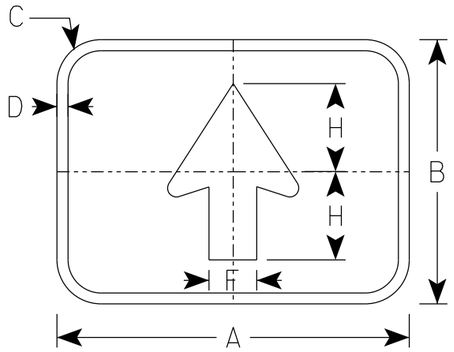
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

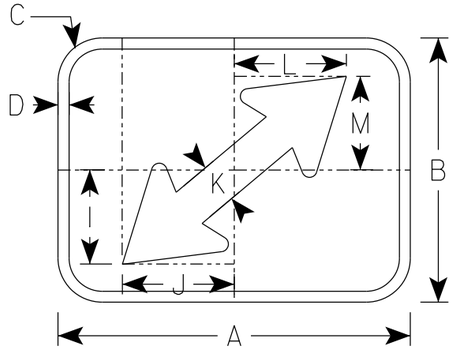
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 990 | E



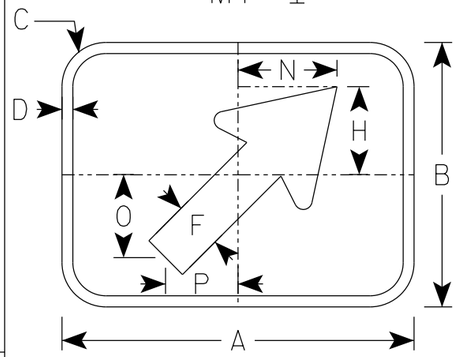
M7-1



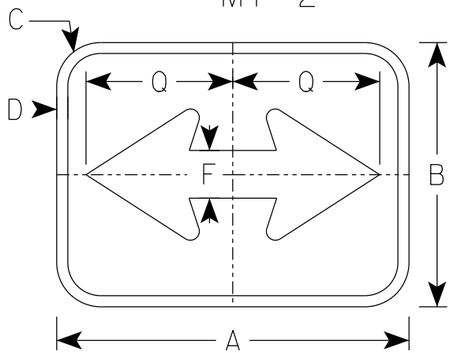
M7-2



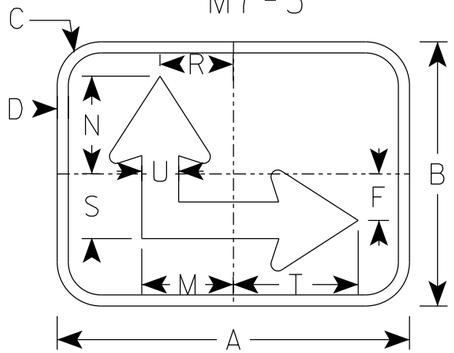
M7-3



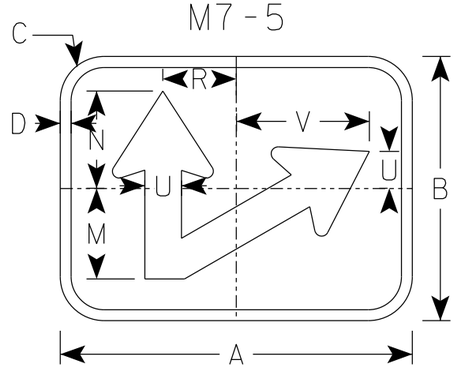
M7-4



M7-5



M7-6



M7-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message -White

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	12	9	1 1/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 7/8	3 1/8	3 3/8	2 7/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
2M	12	9	1 1/2	3/8		1 5/8	4 3/8	3	3 1/4	3 3/4	1 3/8	3 7/8	3 1/8	3 3/8	2 7/8	2 1/2	5	2 1/2	2 1/4	4 1/4	1 1/4	4 1/2					.75
3																											
4																											
5																											

STANDARD SIGN
M7 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

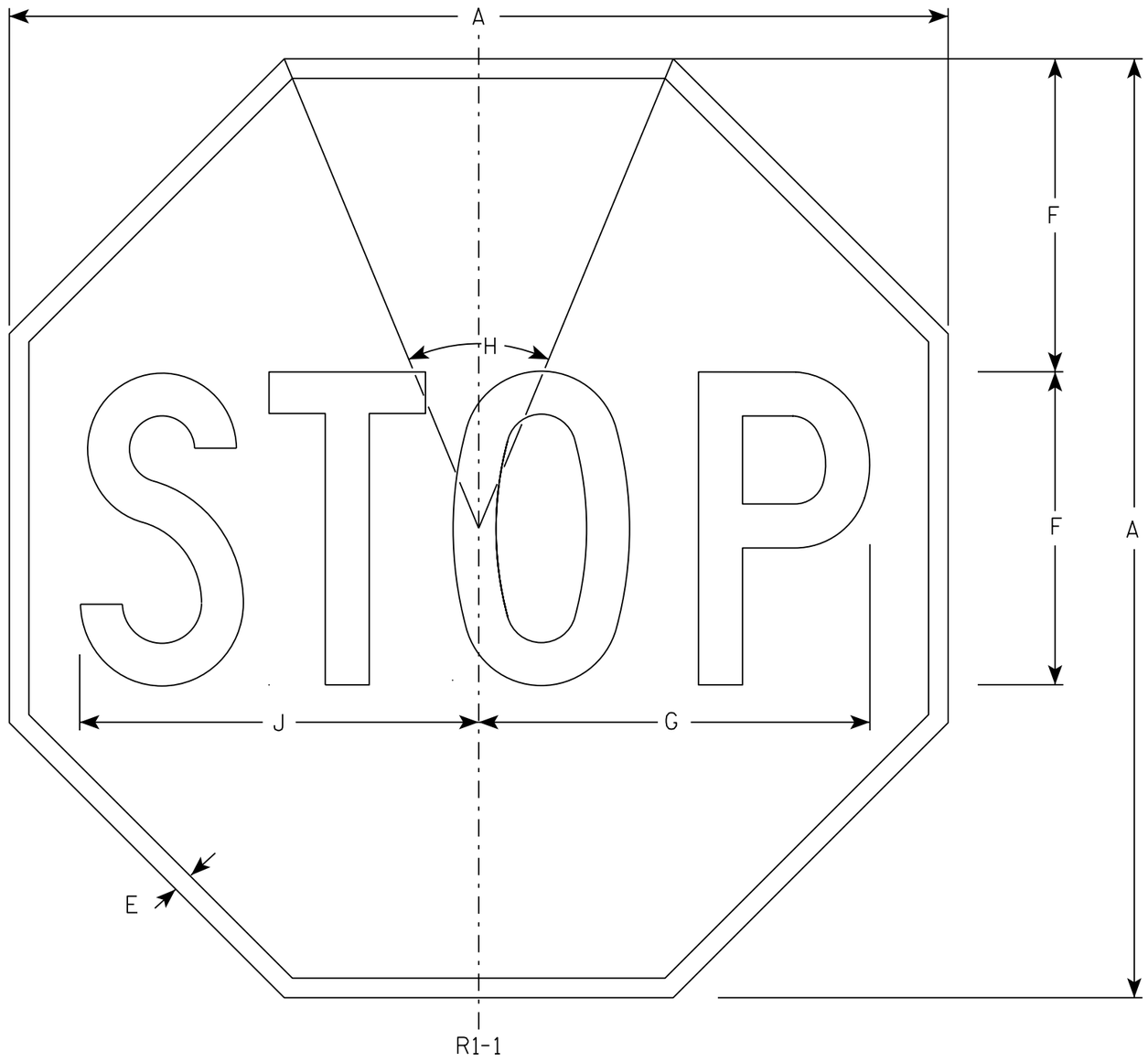
DATE 11/21/2022 PLATE NO. M7-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 991	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M71.dgn PLOT DATE : 21-NOV 2022 11:01 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

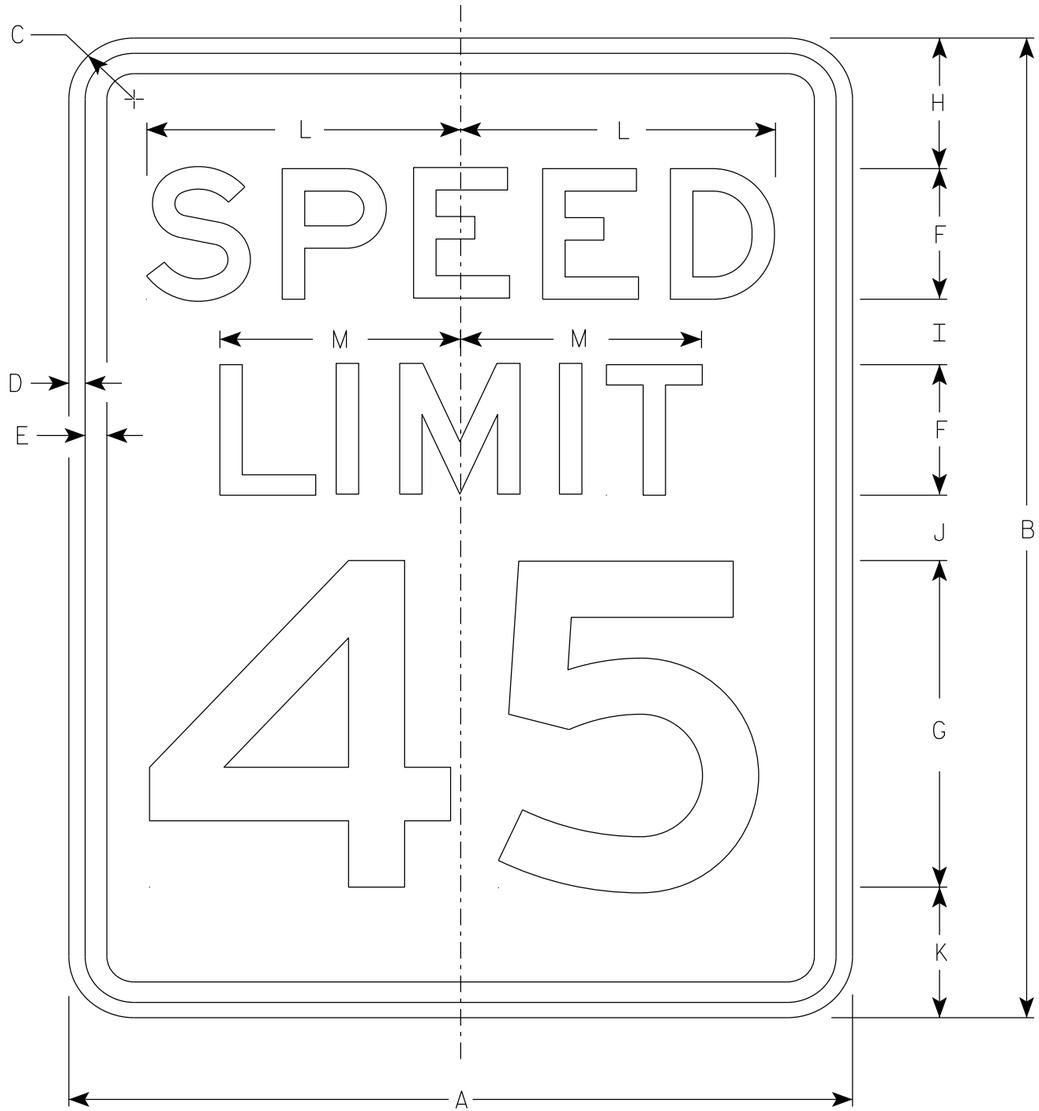
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 992	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

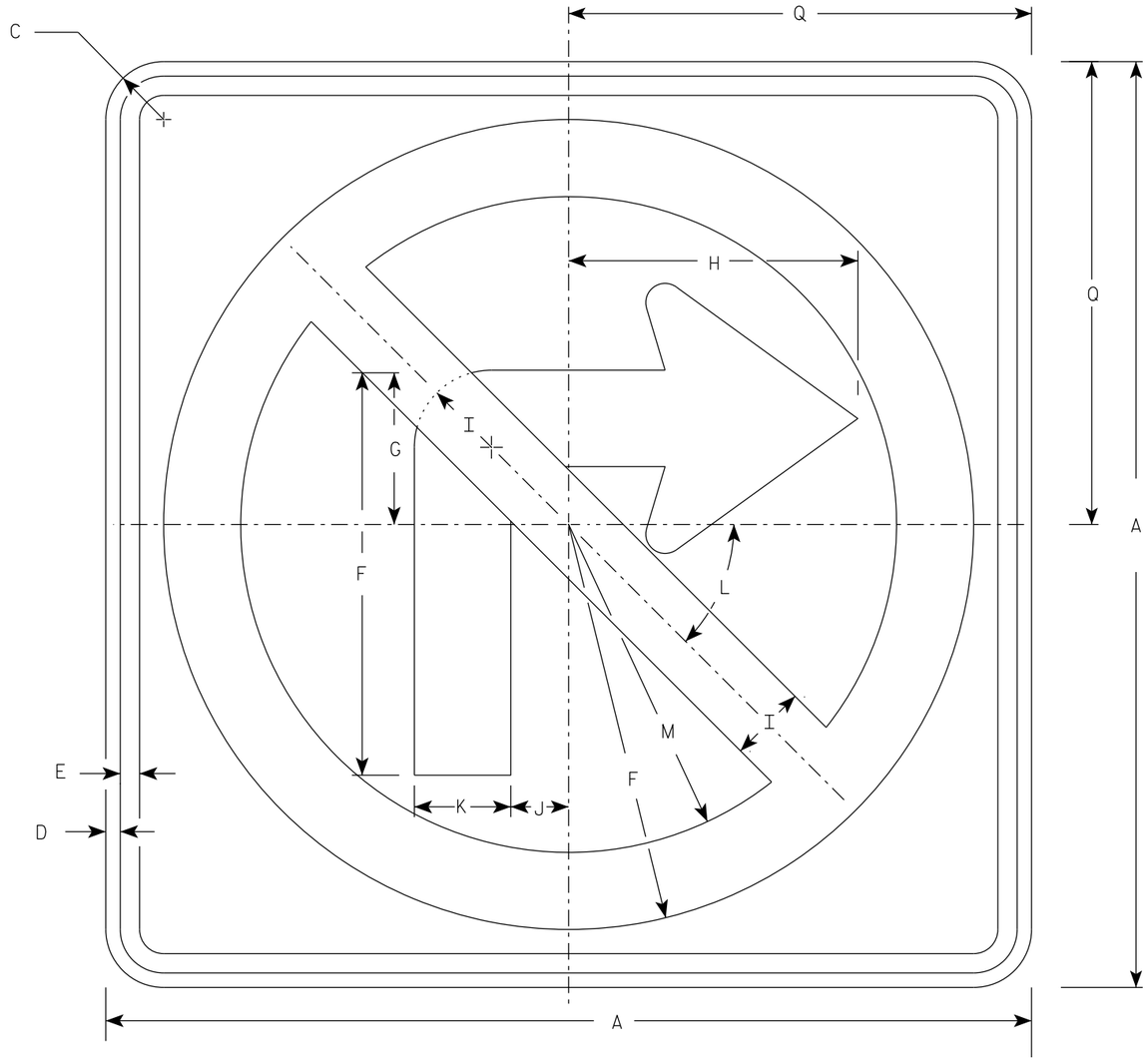
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

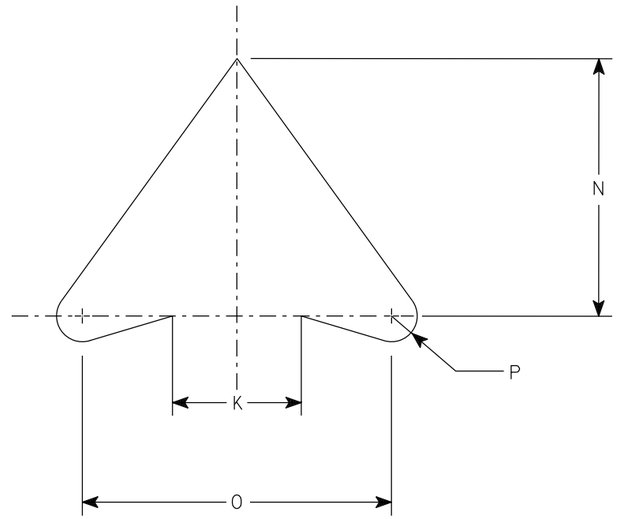
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 993 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

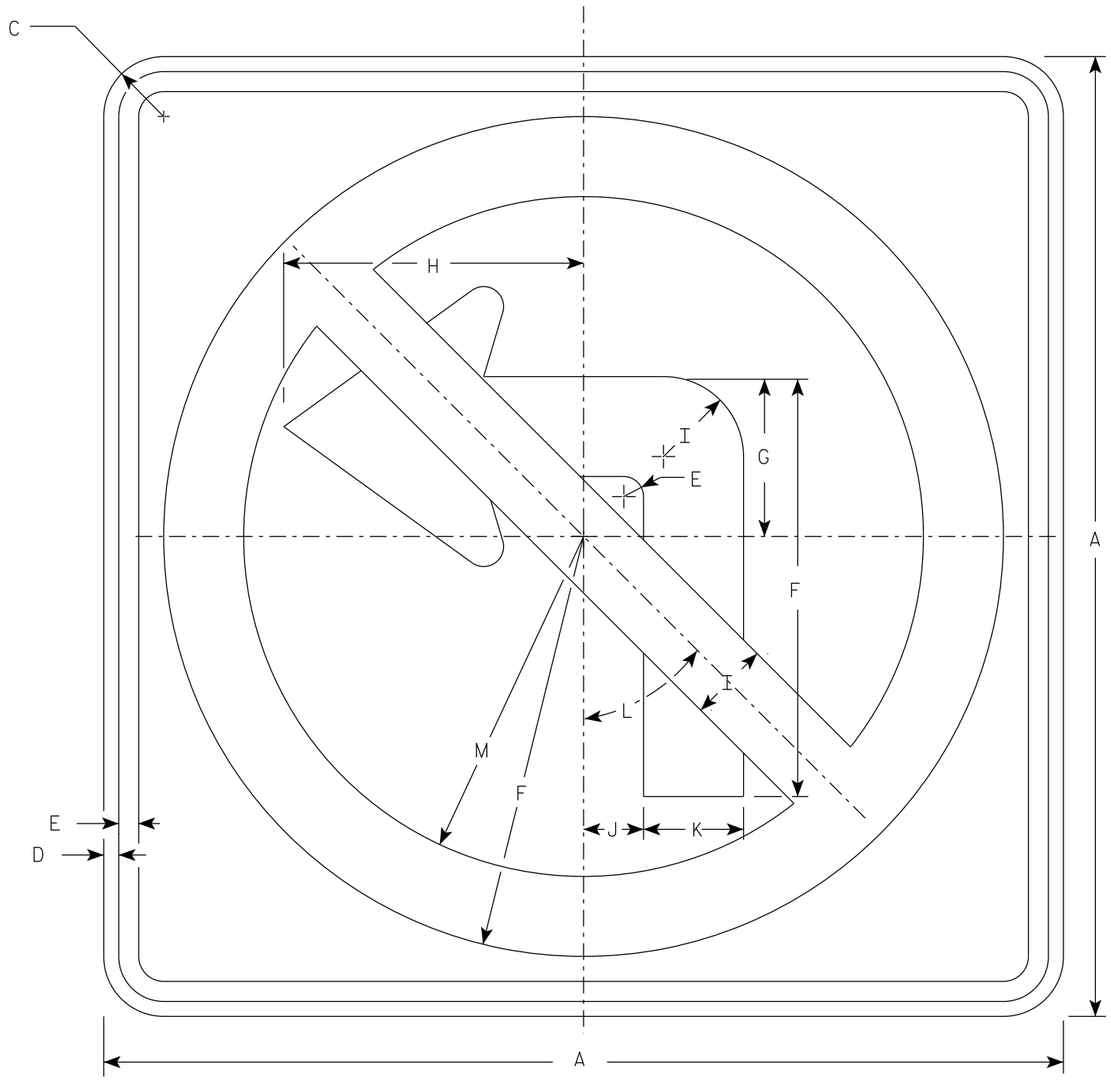
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

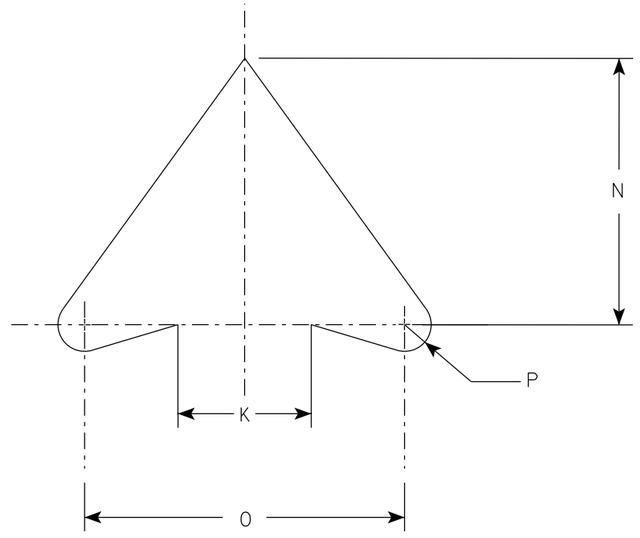
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 994 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½											4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾											9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

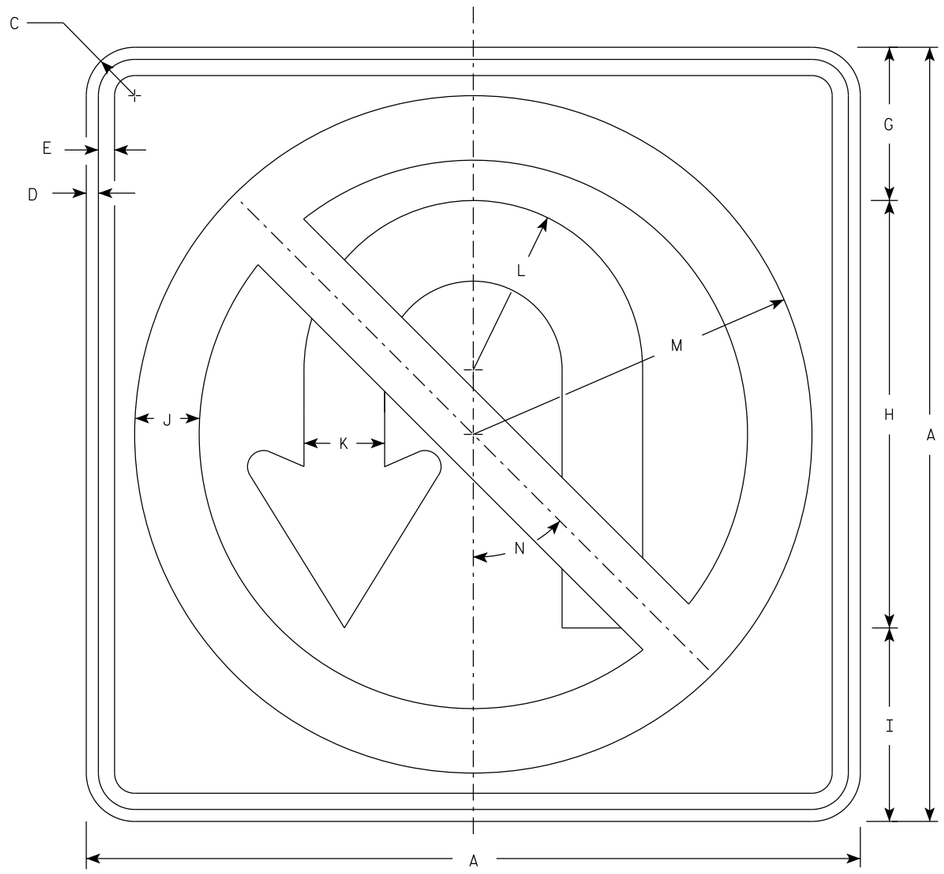
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

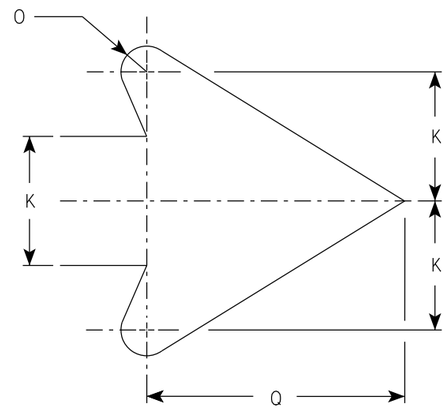
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 995 | E



R3-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

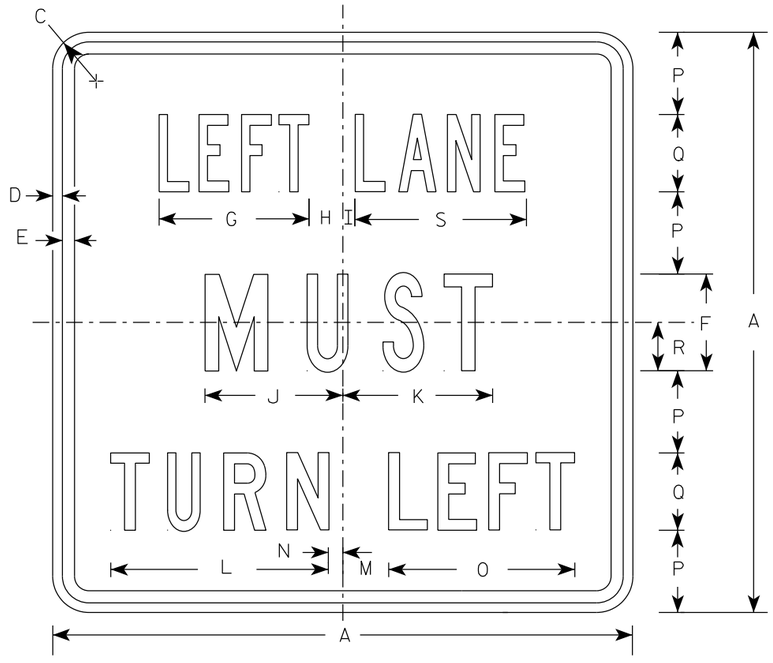
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-4.12

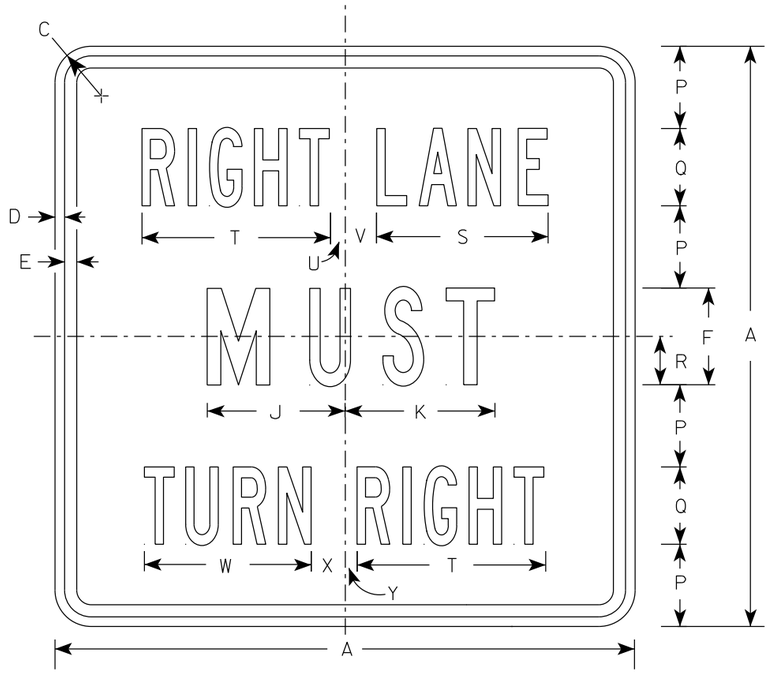
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 996 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.



R3-7L



R3-7R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		2 1/4	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

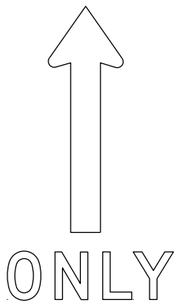
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-7.4

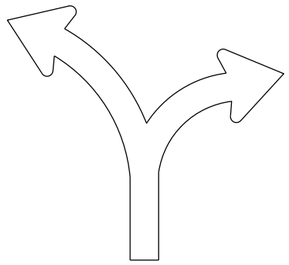
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 997	E

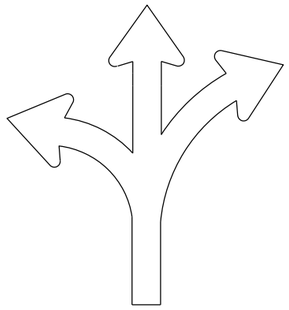


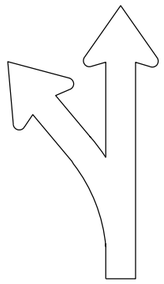
(A)

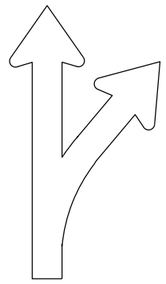


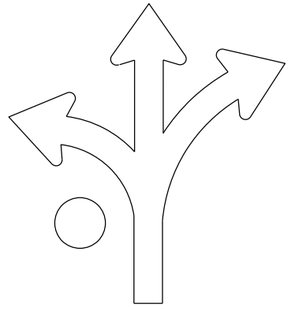
(B)

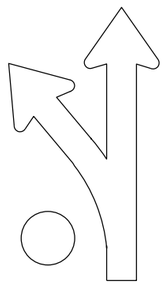

(C)

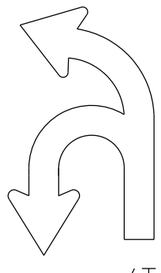

(D)

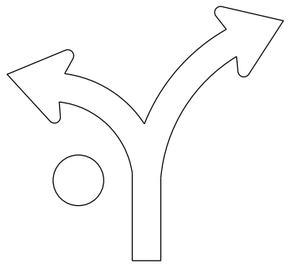

(E)

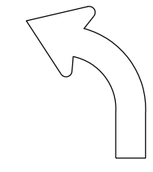

(F)


(G)

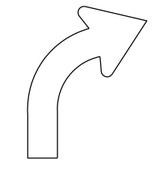

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

7

7

PROJECT NO:

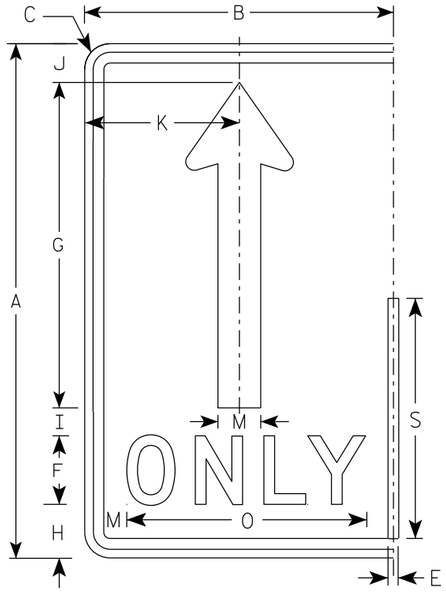
SHEET NO: 998 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

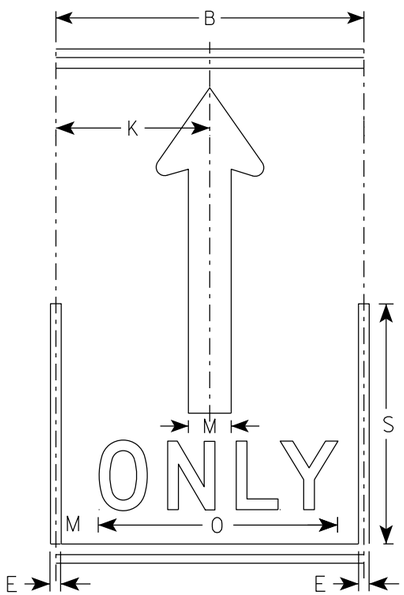
WISDOT/CADDS SHEET 42

NOTES

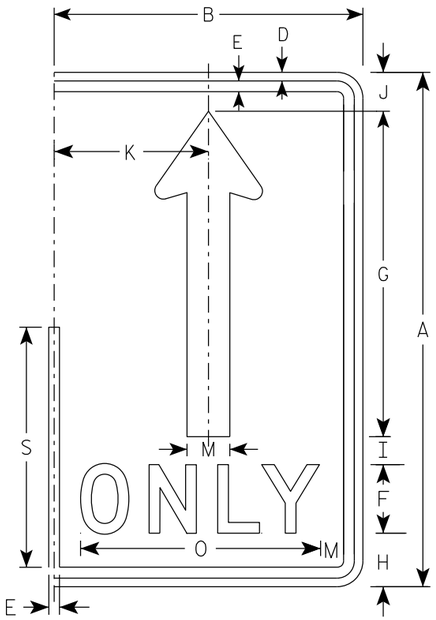
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



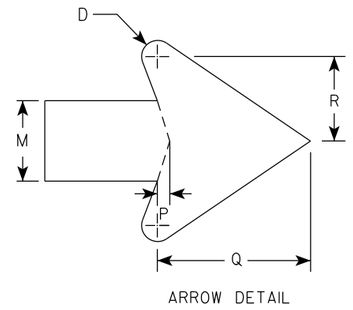
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

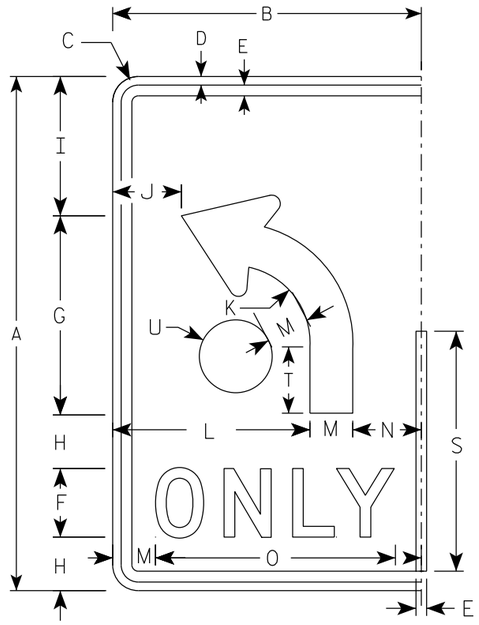
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

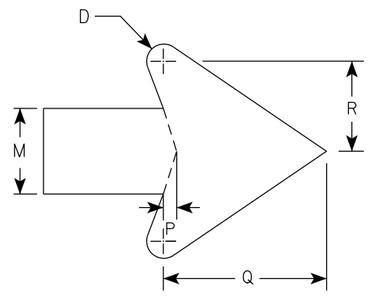
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 999 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

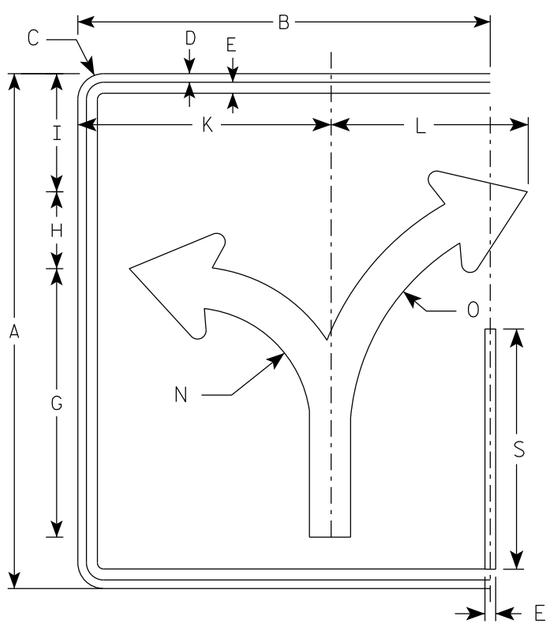
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

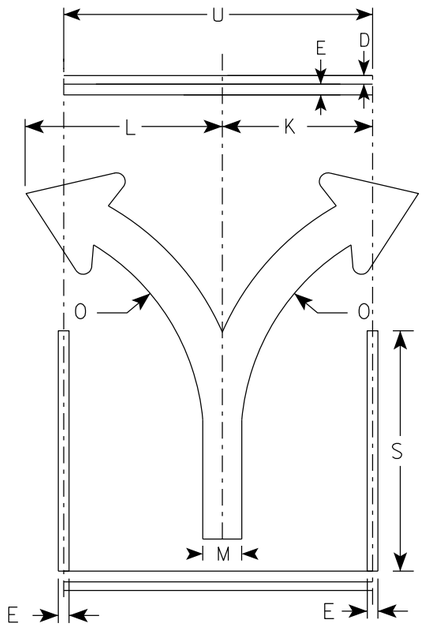
SHEET NO: 1000 E

NOTES

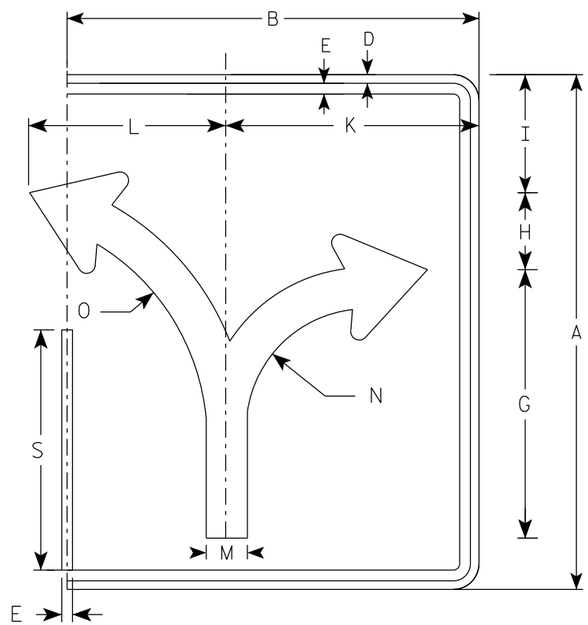
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



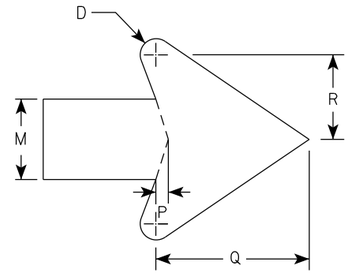
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

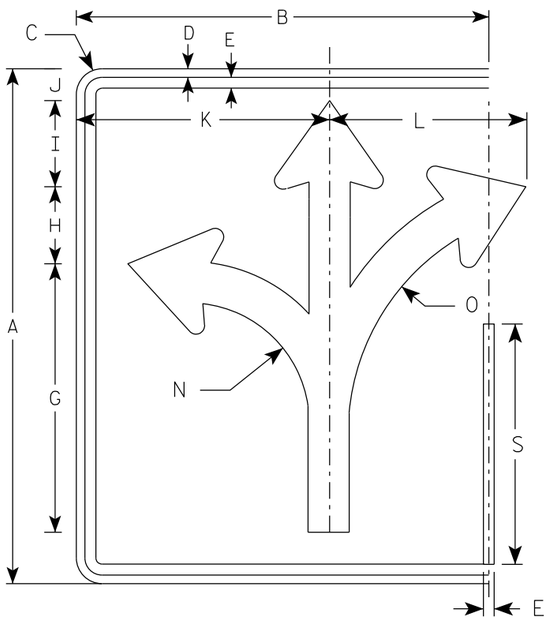
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

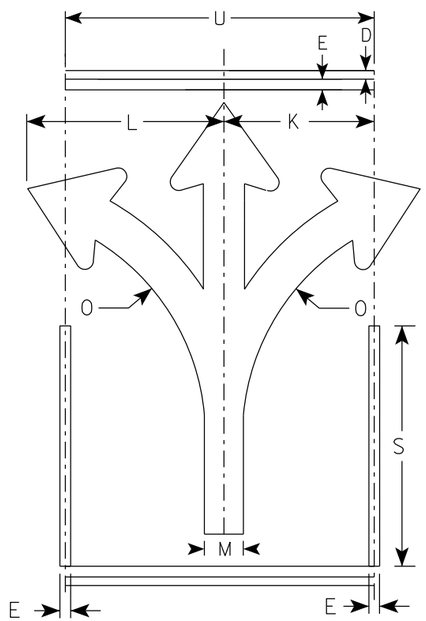
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1001 | E

NOTES

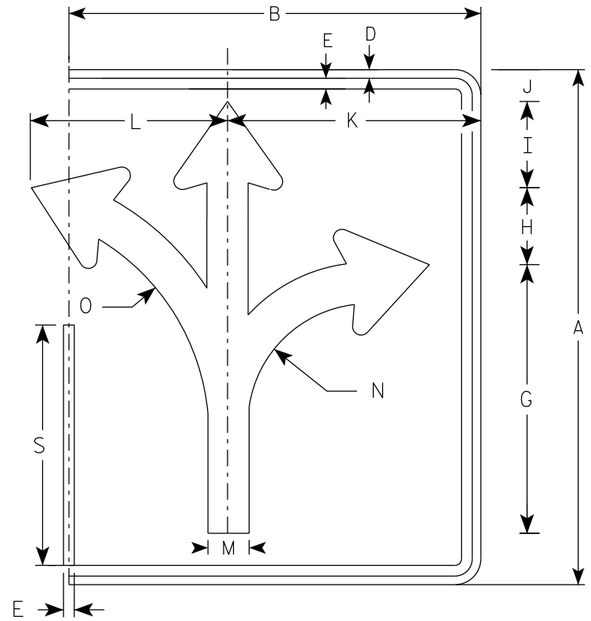
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



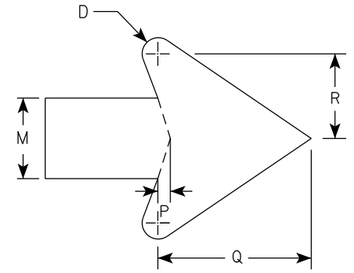
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

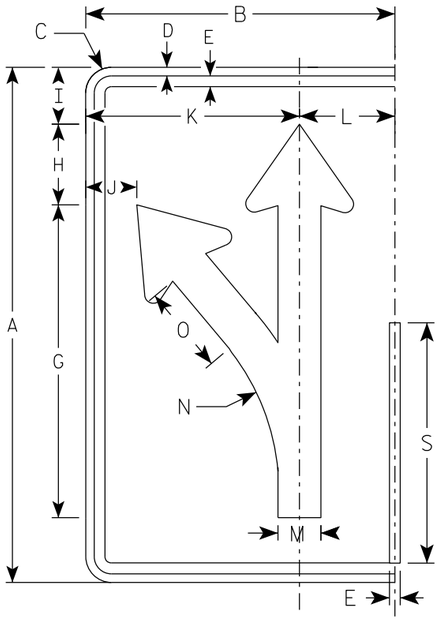
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

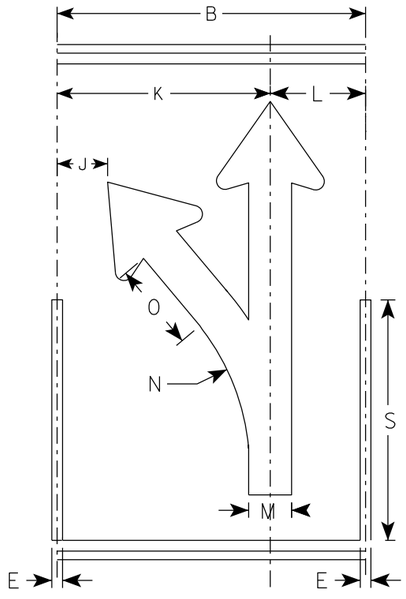
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1002 | E

NOTES

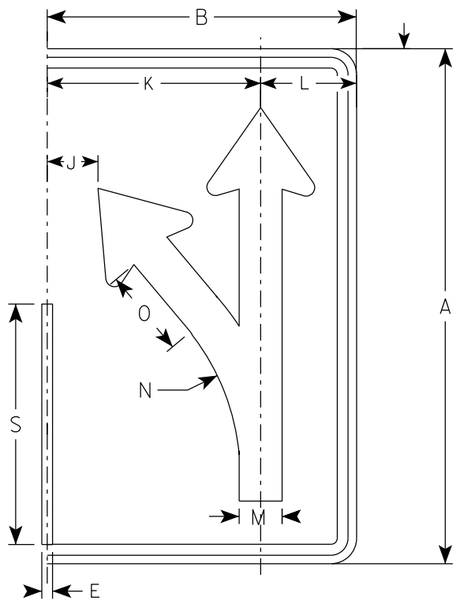
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



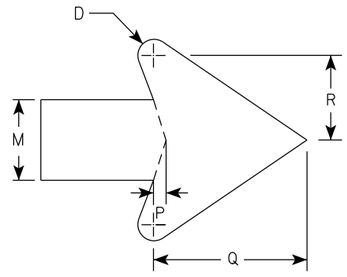
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

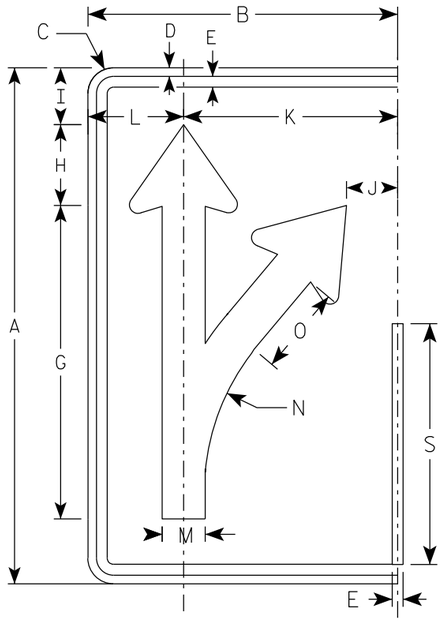
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

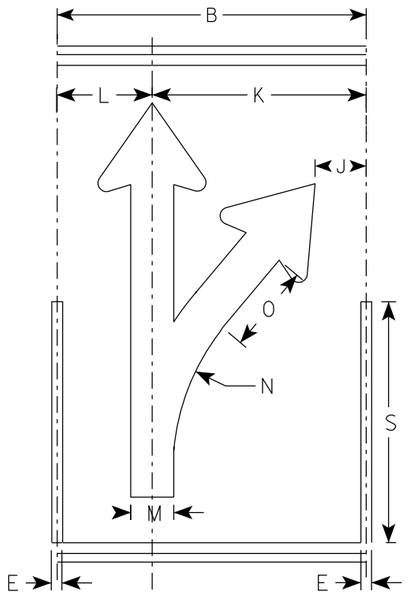
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1003 | E

NOTES

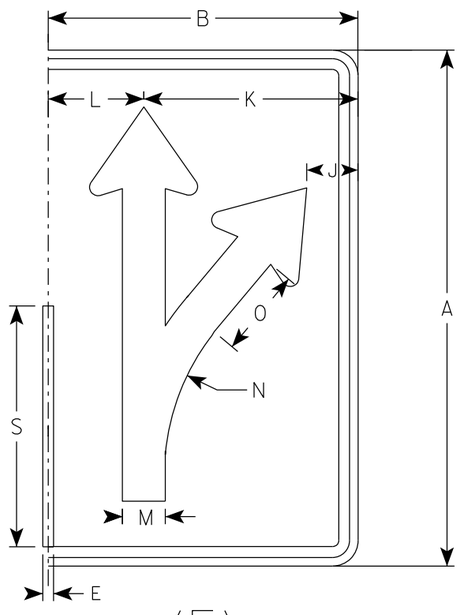
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



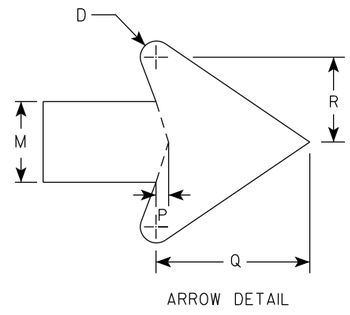
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

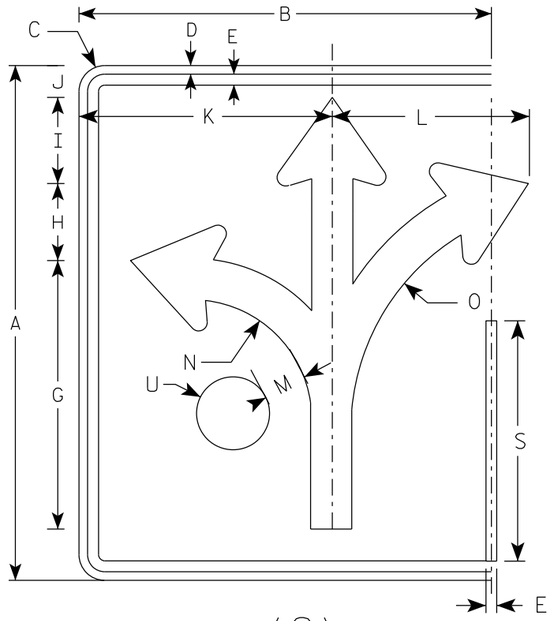
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

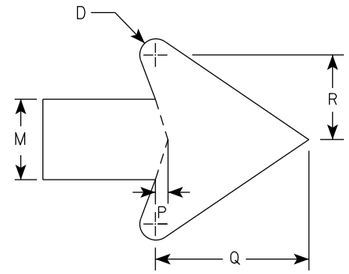
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1004 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

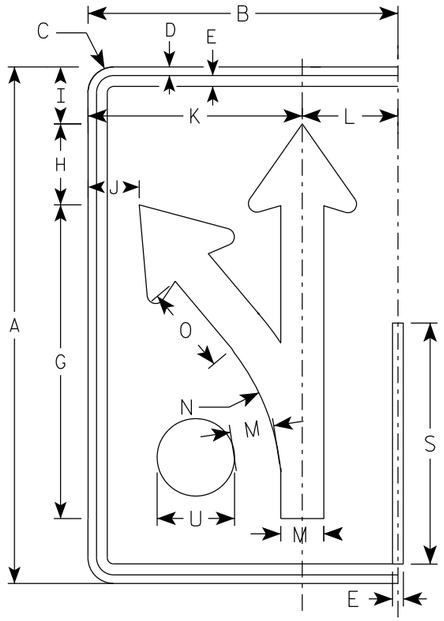
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

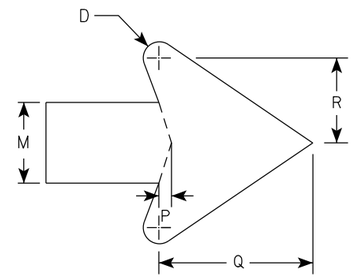
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1005	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

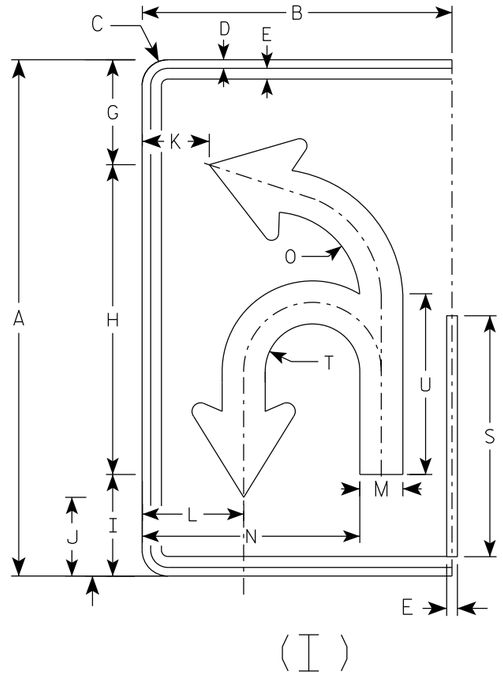
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

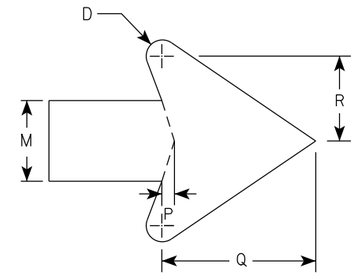
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1006 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

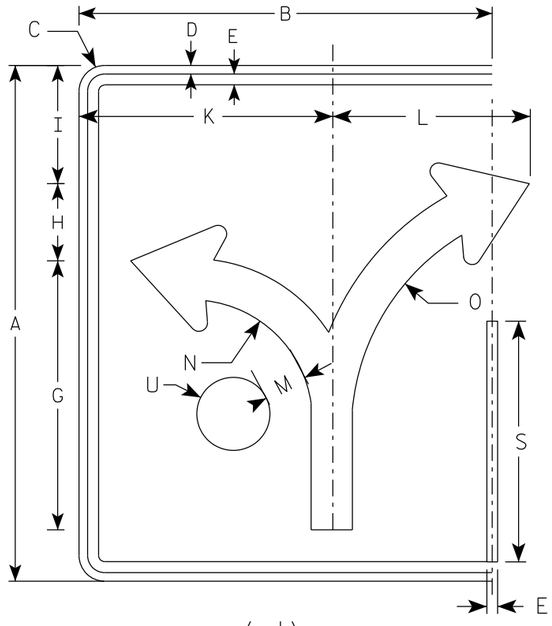
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

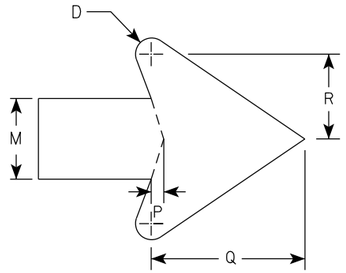
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1007 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

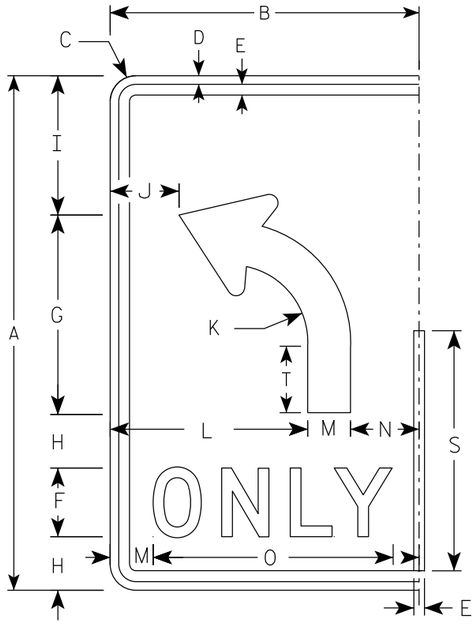
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1008 | E

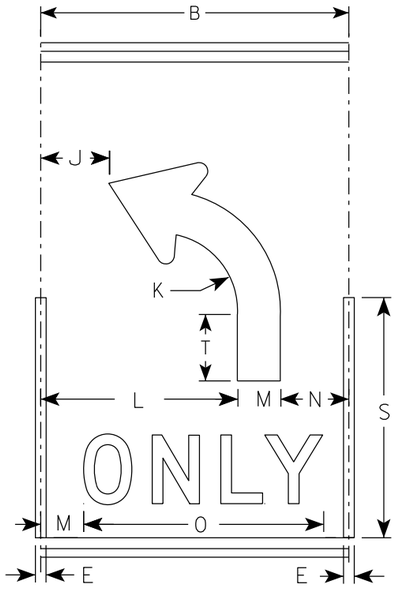
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

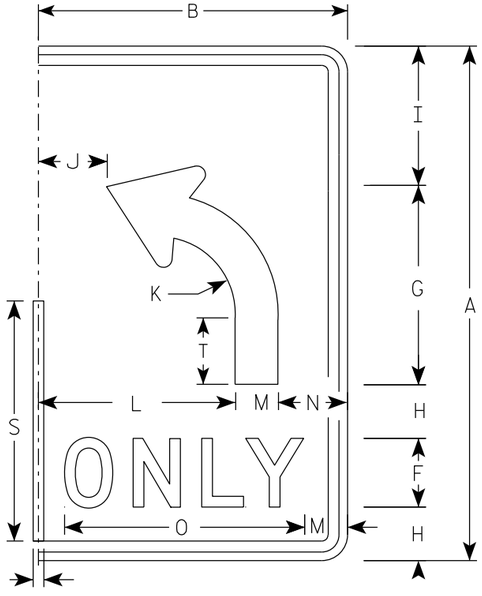
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



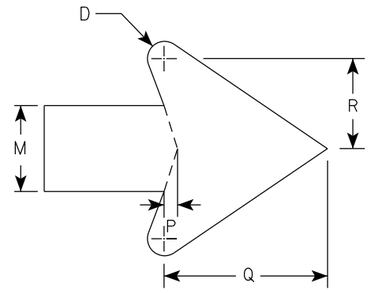
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

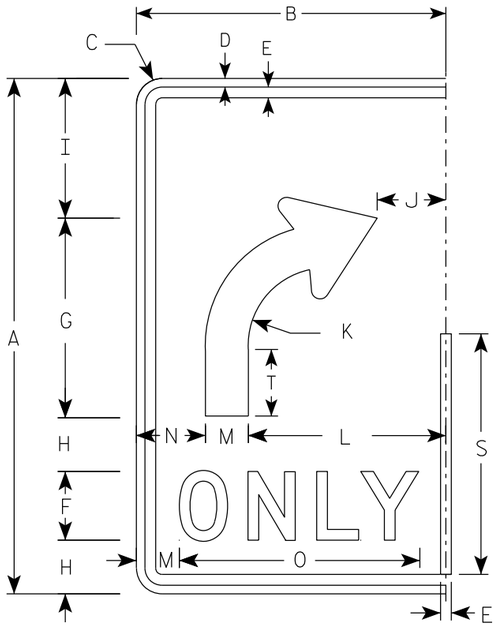
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

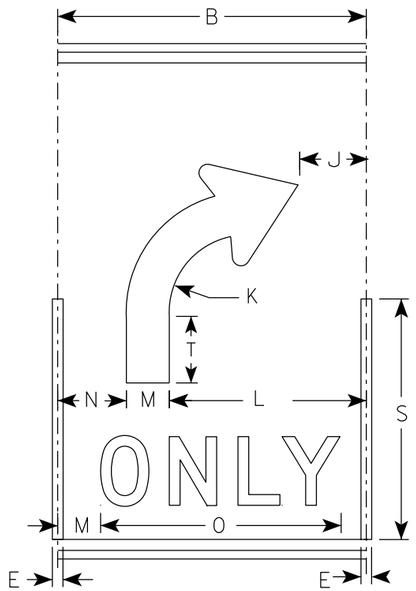
SHEET NO: 1009 E

NOTES

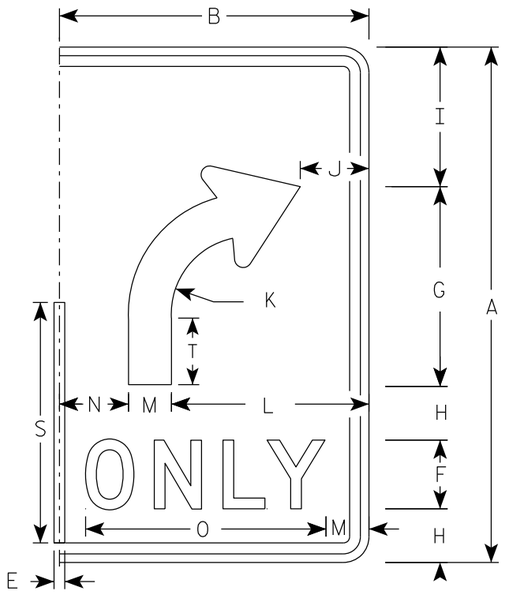
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



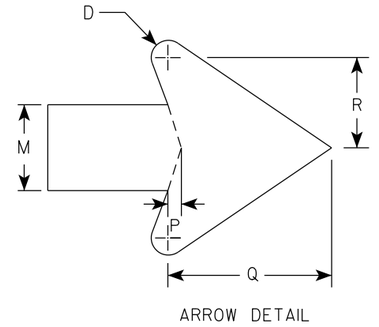
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

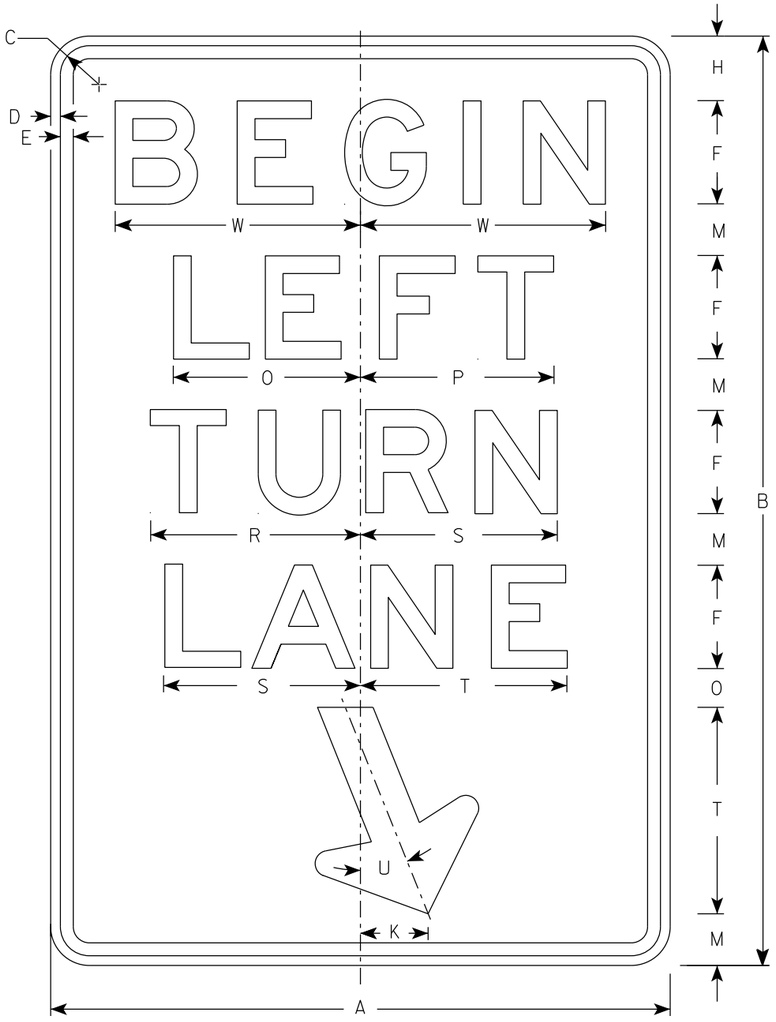
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

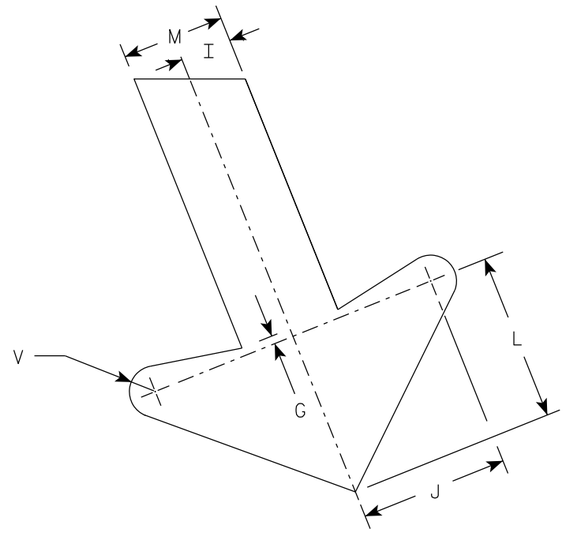
SHEET NO: 1010 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

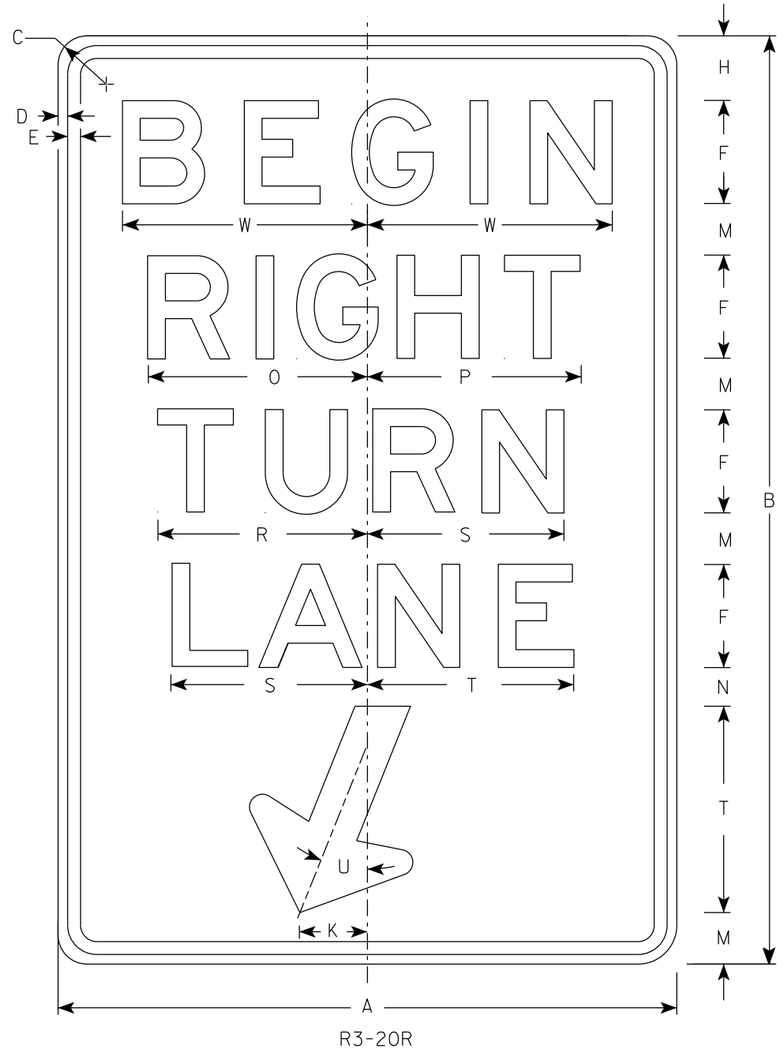
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

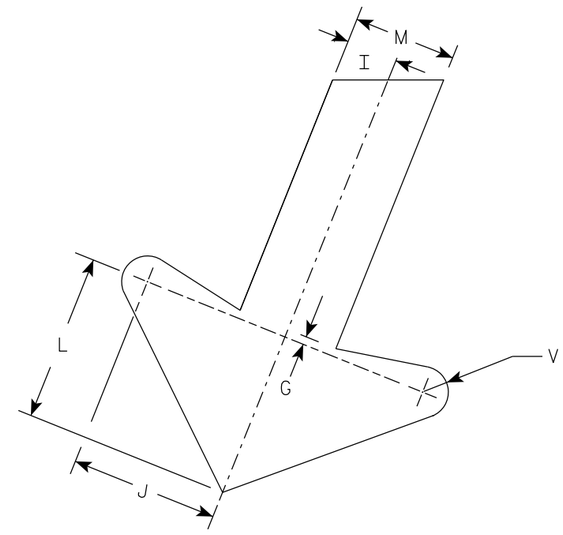
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1011	E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

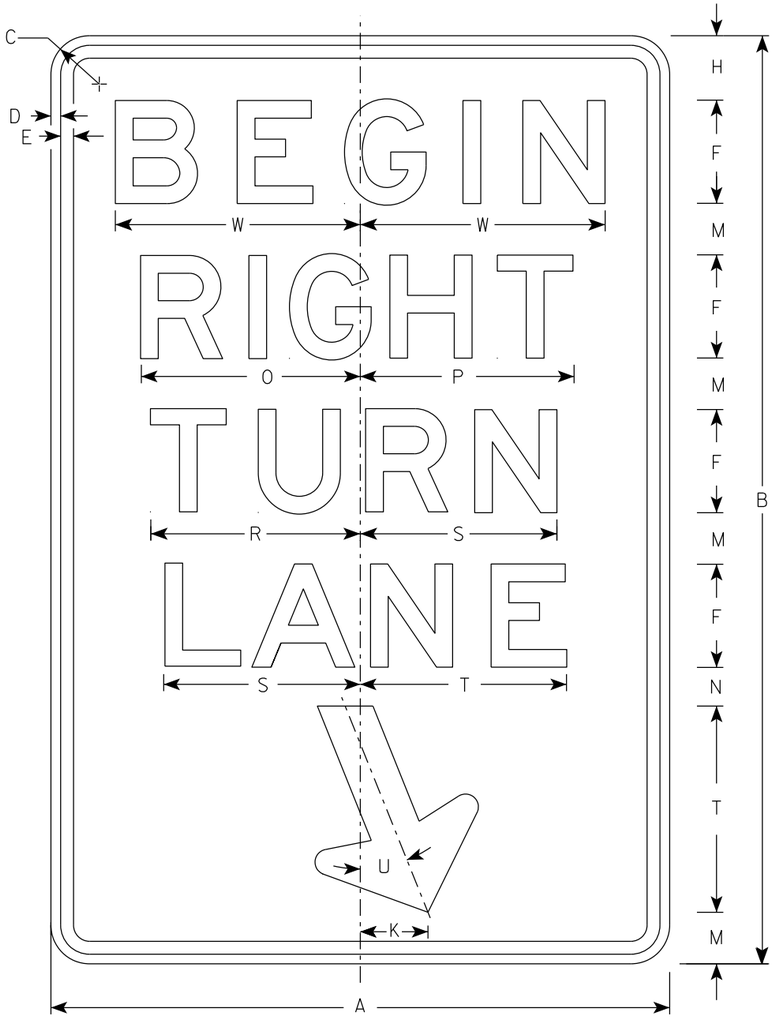
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

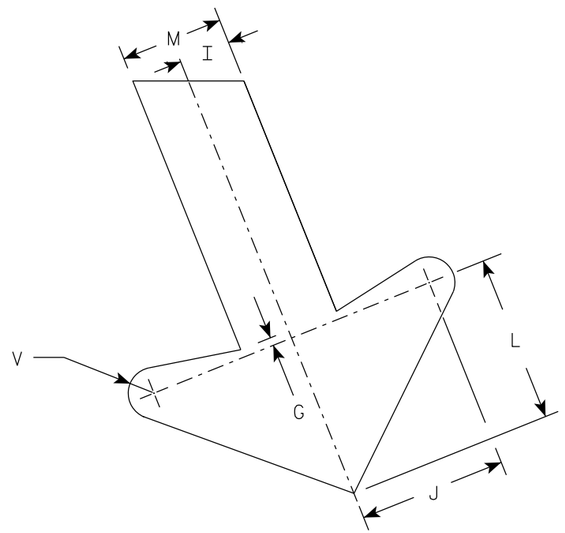
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1012 | E



R3-20RR

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

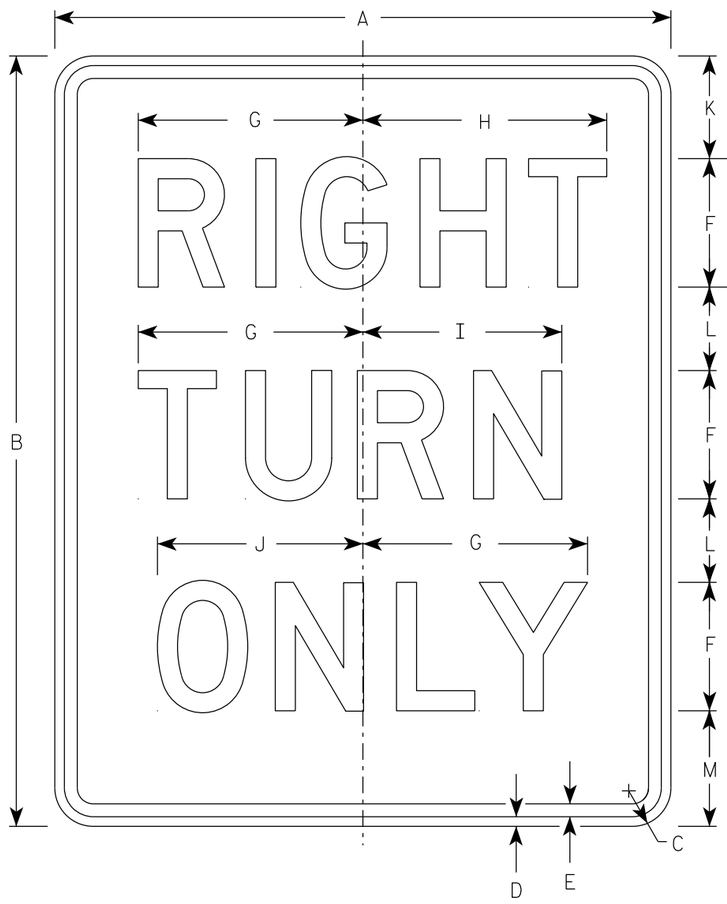
STANDARD SIGN
R3-20RR

WISCONSIN DEPT OF TRANSPORTATION

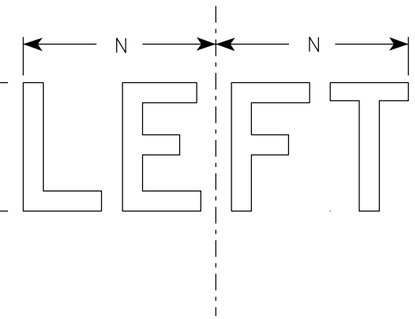
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20RR.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1013	E



R3-53R



R3-53L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-53L same as R3-53R except LEFT is substituted for RIGHT

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

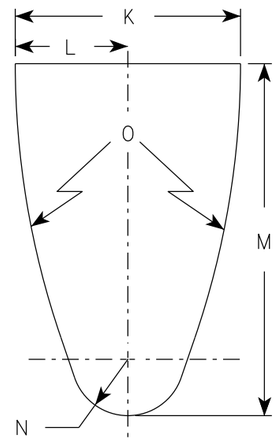
WISCONSIN DEPT OF TRANSPORTATION

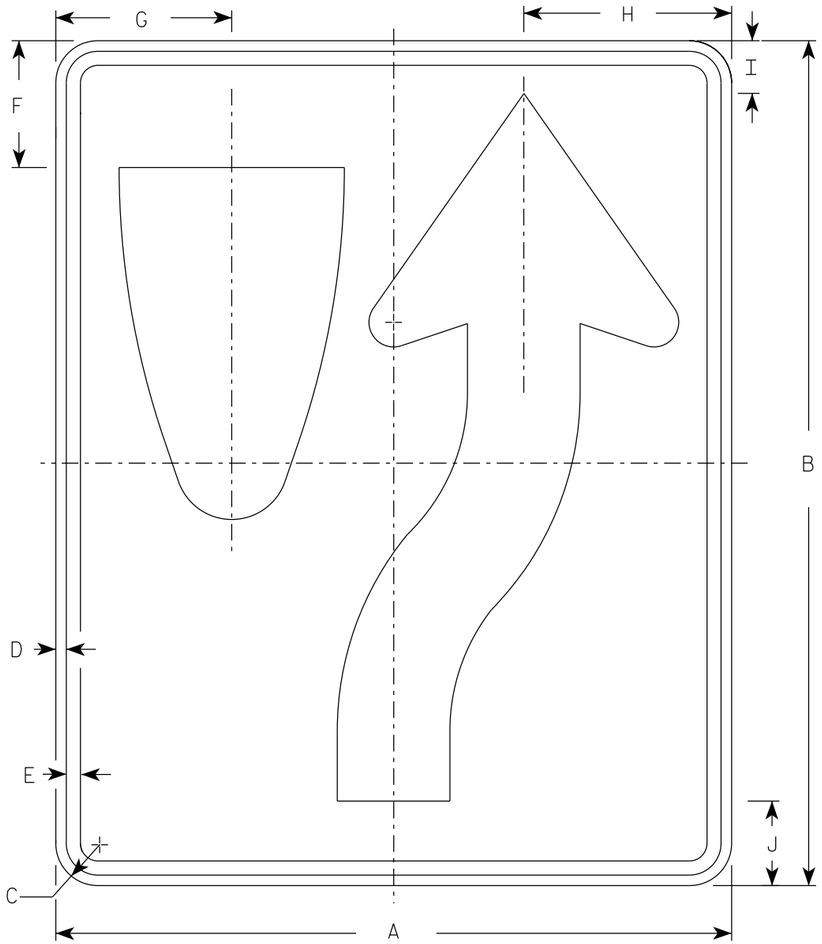
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-53.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1014 | E

DIVIDER DETAIL



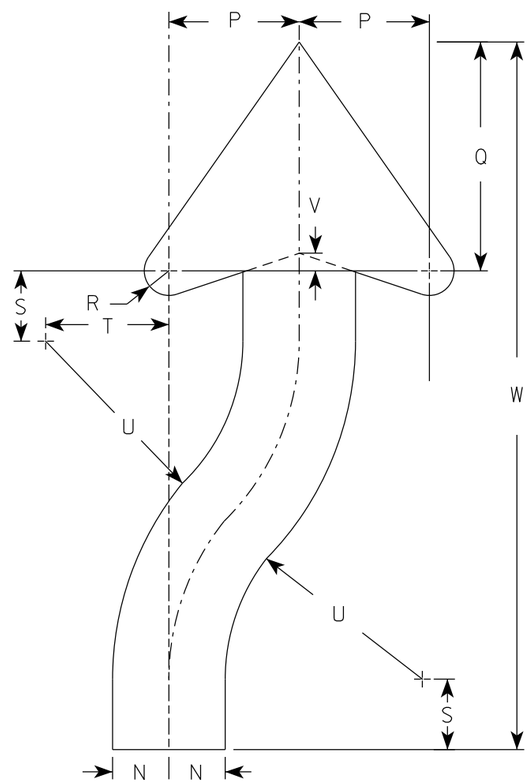


R4-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

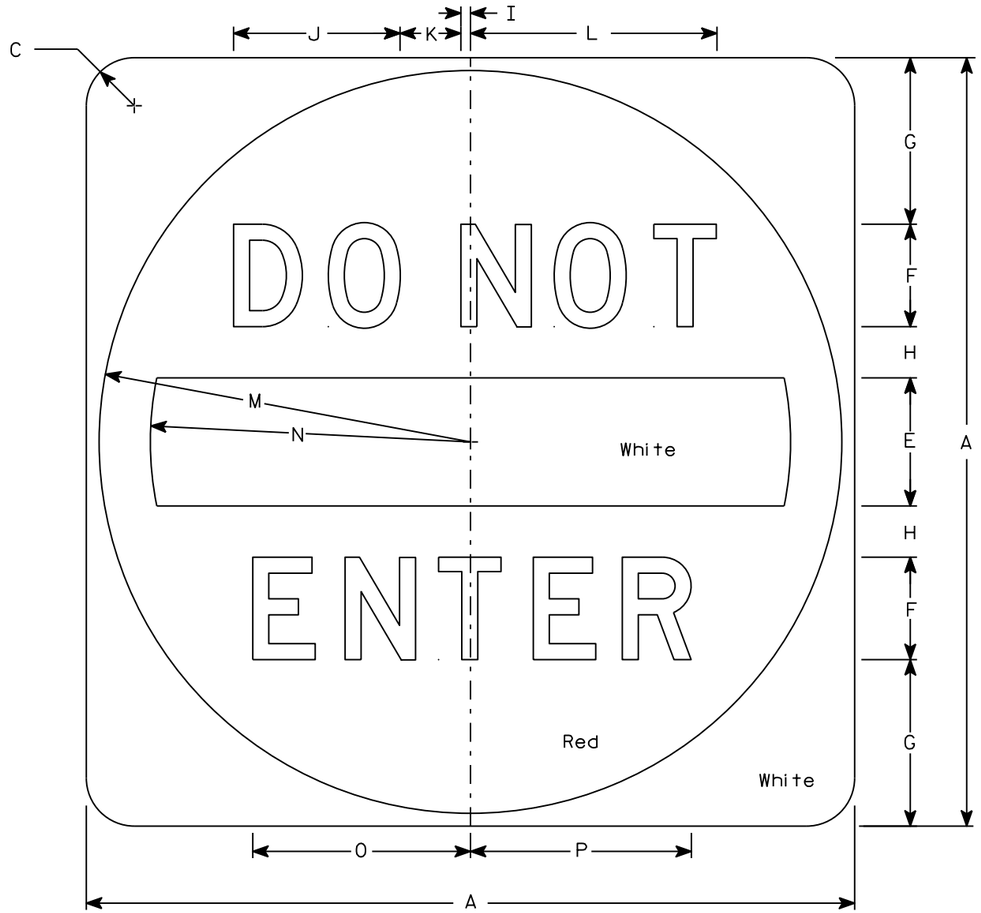
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1015	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

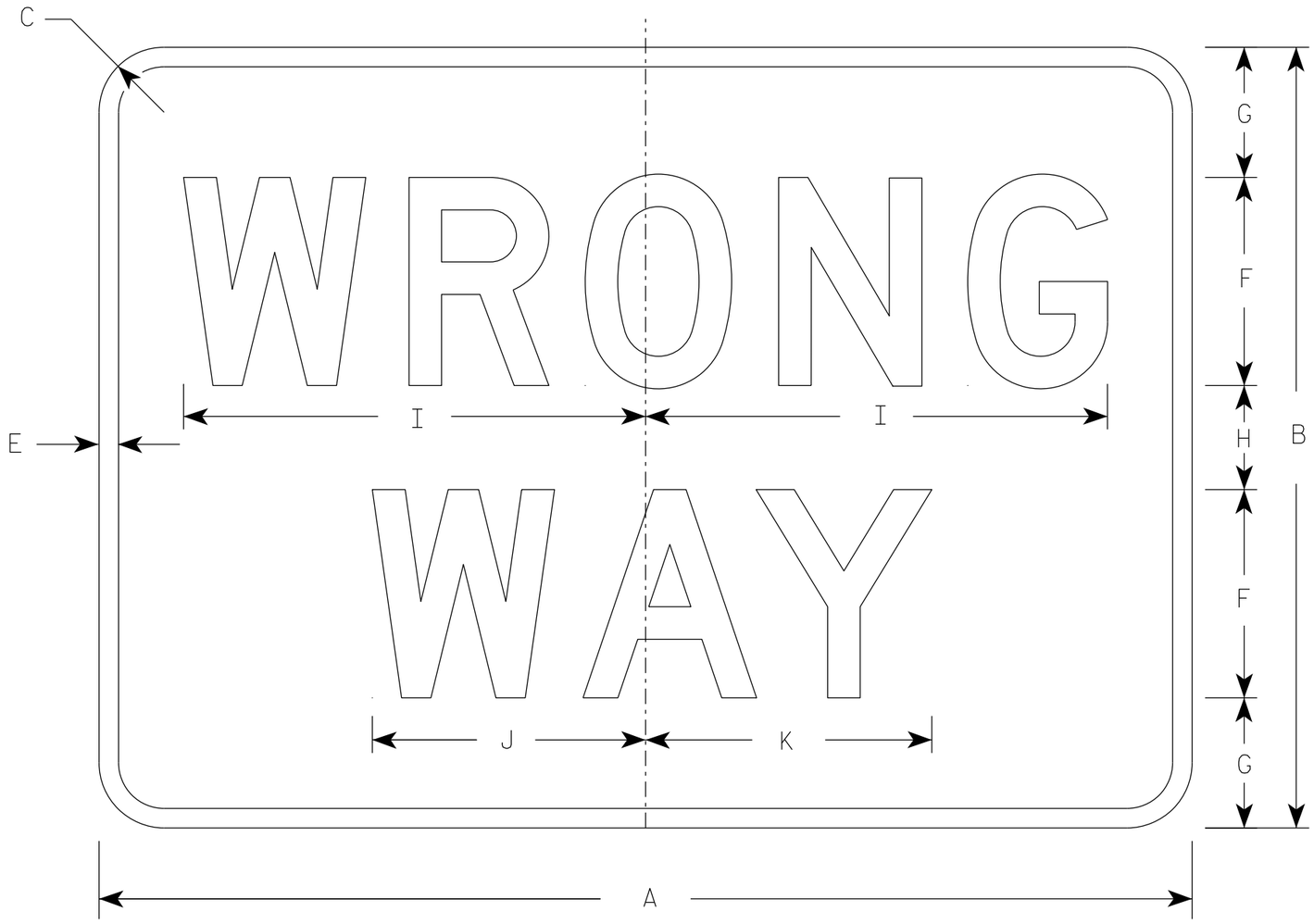
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1016 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	1 1/2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	1 7/8		3/4	8	5	4	17 3/4	10 1/2	11																8.75

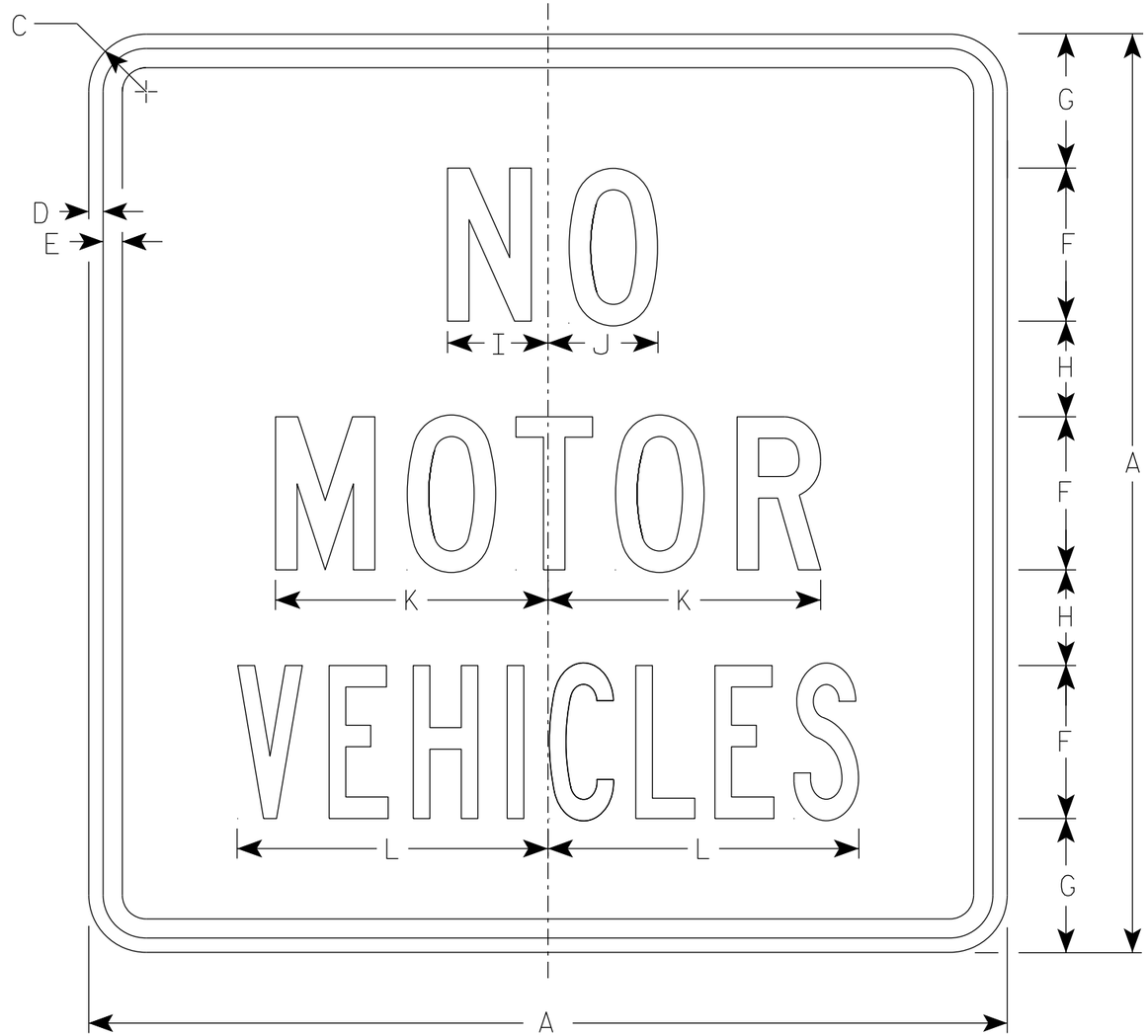
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-1A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1017 | E



R5-3

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 4
4. Lines 1 & 2 are Series C.
   Line 3 is Series B.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 ½	⅜	½	4	3 ½	2 ½	2 ⅝	2 ⅞	7 ⅛	8 ⅛															4.0
2M	24		1 ½	⅜	½	4	3 ½	2 ½	2 ⅝	2 ⅞	7 ⅛	8 ⅛															4.0
3																											
4																											
5																											

STANDARD SIGN
R5-3

WISCONSIN DEPT OF TRANSPORTATION

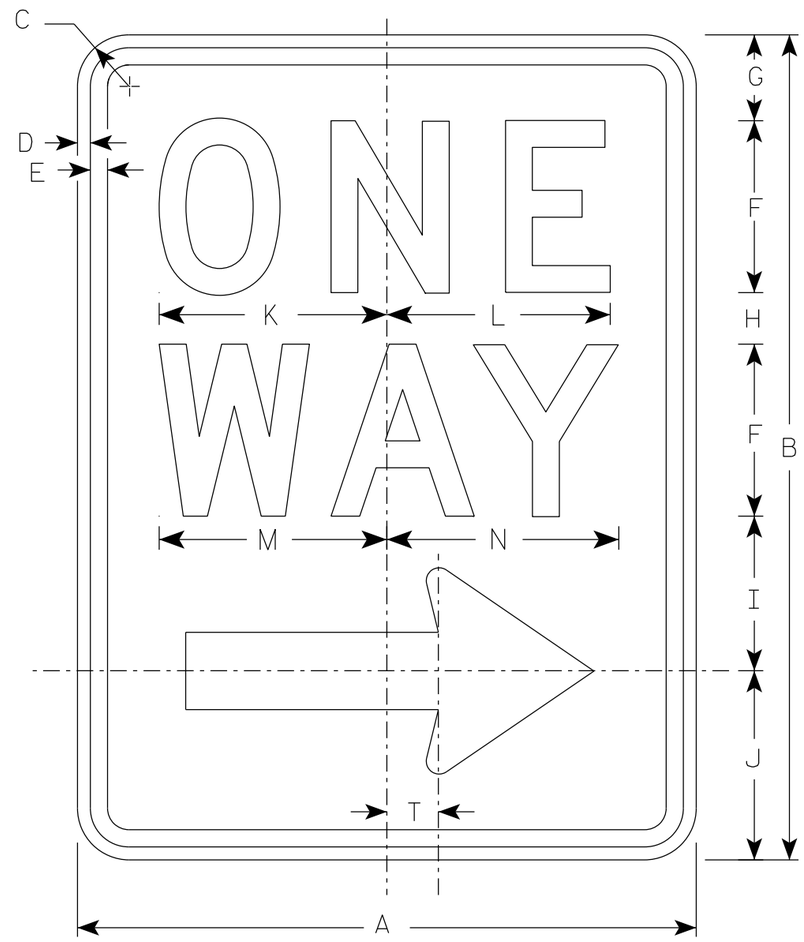
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-3.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1018 | E

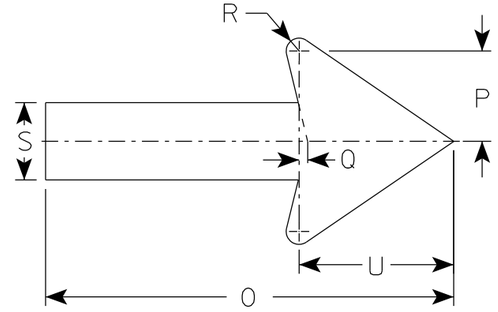
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

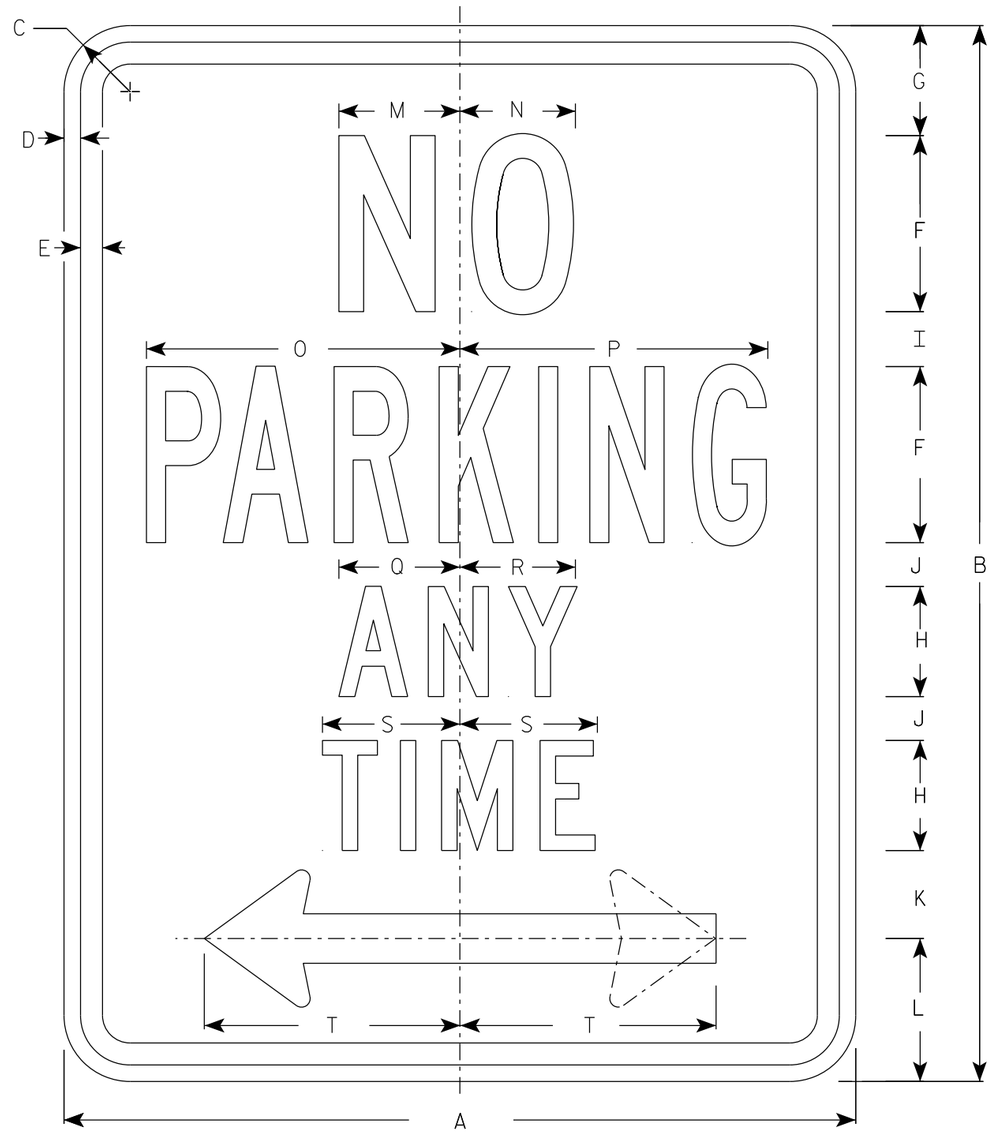
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1019 | E

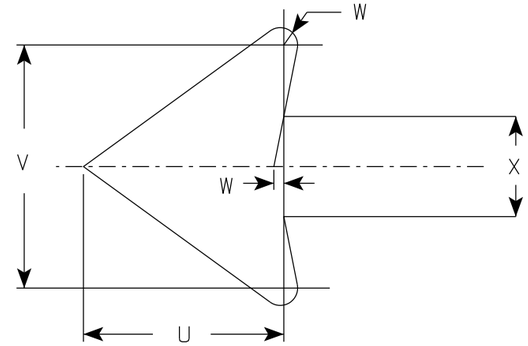


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

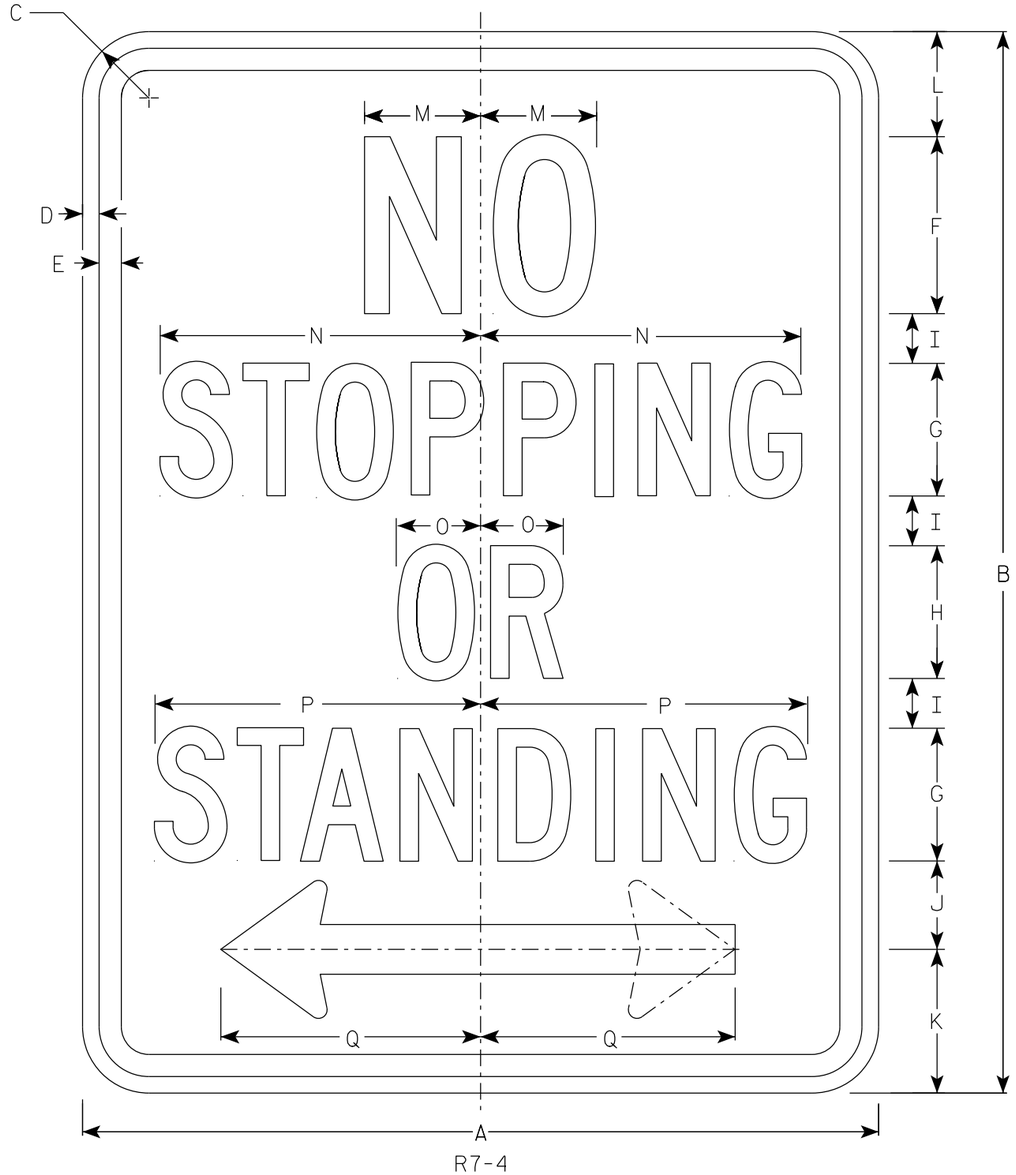
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

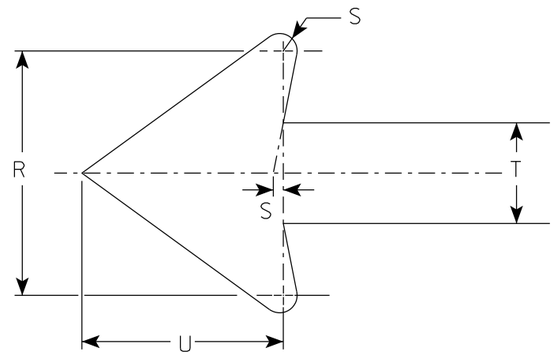
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1020 E



R7-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - C
4. R7-4L (left arrow)
   R7-4R (right arrow)
   R7-4D (double arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	2	2	1	1 1/2	2 1/2	2	2	4 7/8	1 1/4	4 7/8	3 7/8	1 3/4	1/8	3/4	1 1/2						1.5
2S	18	24	1 1/2	3/8	1/2	4	3	3	1 1/8	2	3 1/4	2 3/8	2 5/8	7 1/4	1 7/8	7 3/8	5 7/8	2 5/8	1/4	1 1/8	2 1/4						3.0
2M	24	30	1 1/2	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
3	24	30	1 1/2	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
4																											
5																											

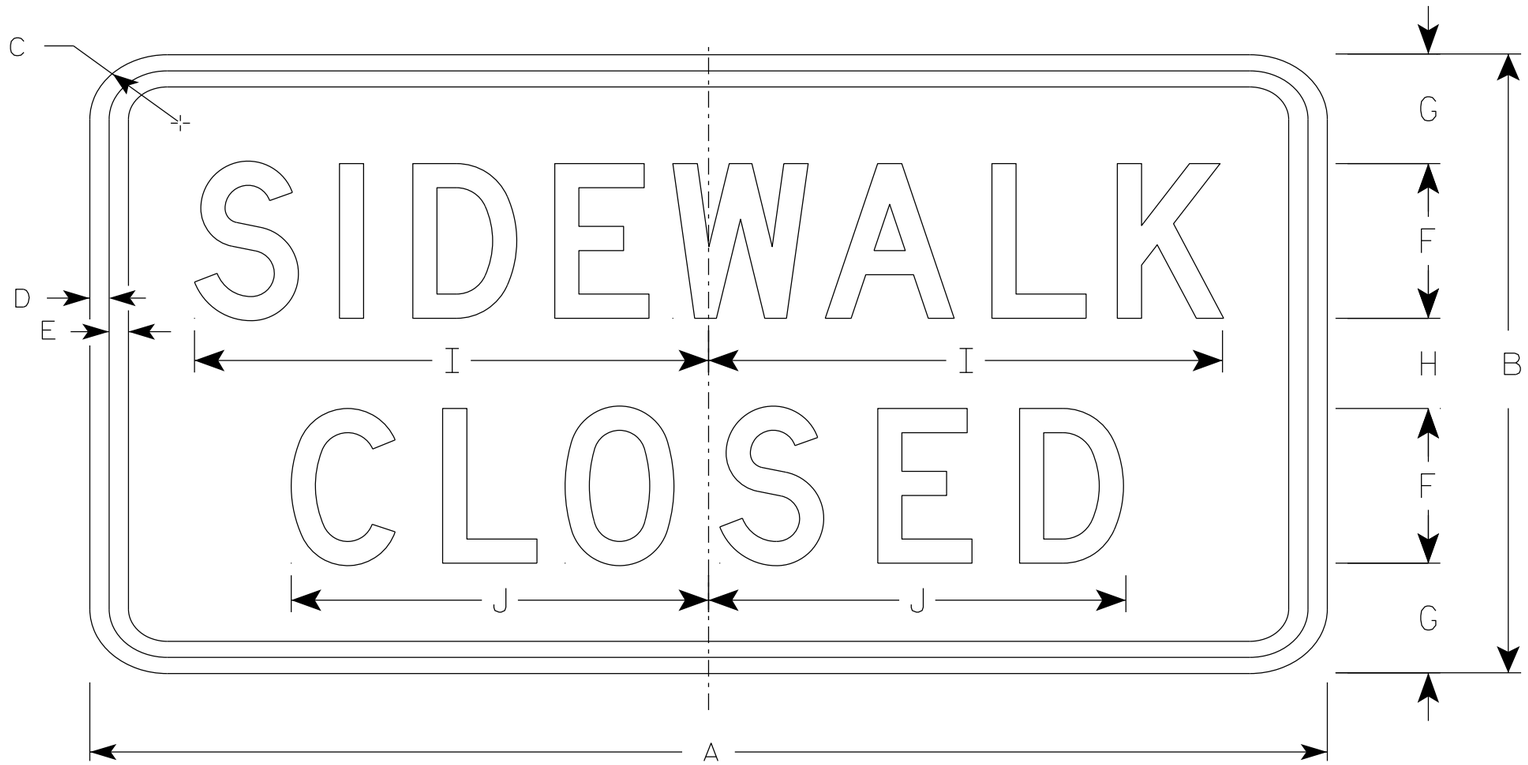
STANDARD SIGN
R7-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-4.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1021 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

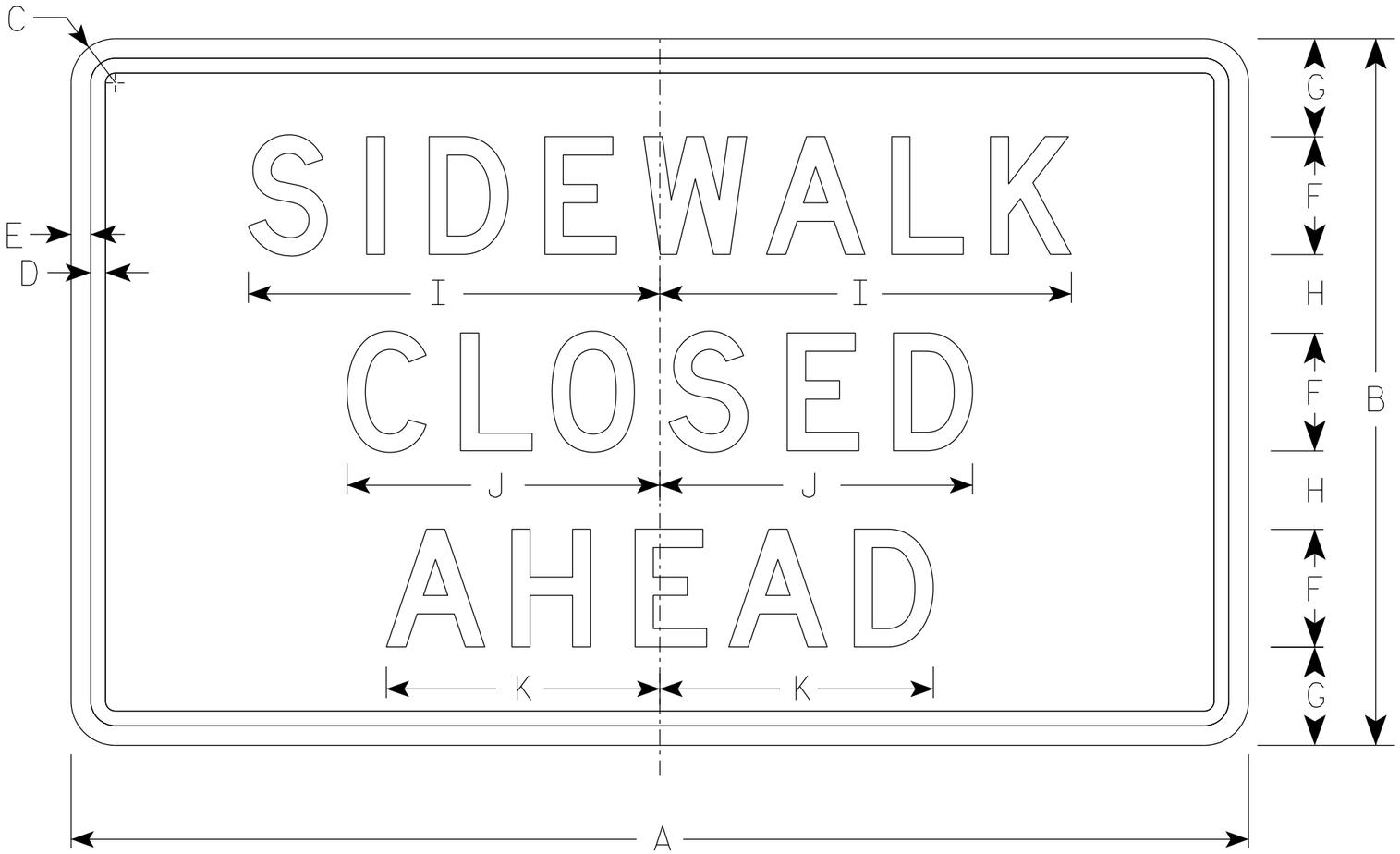
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1022 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

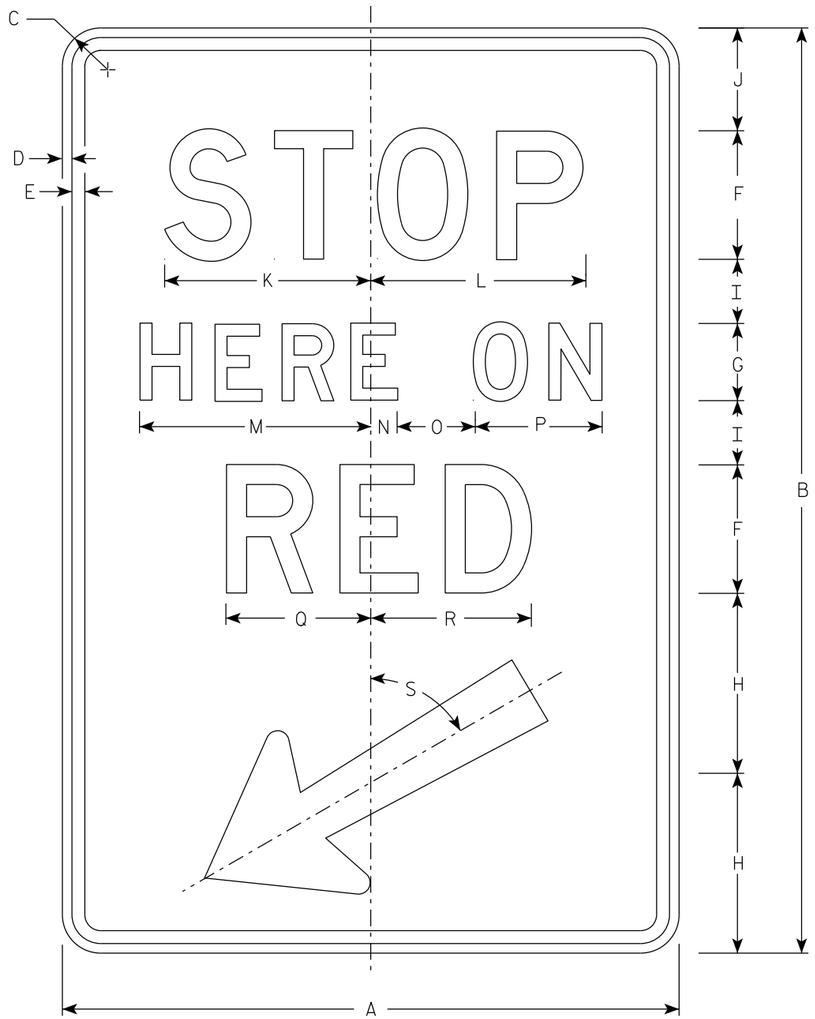
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

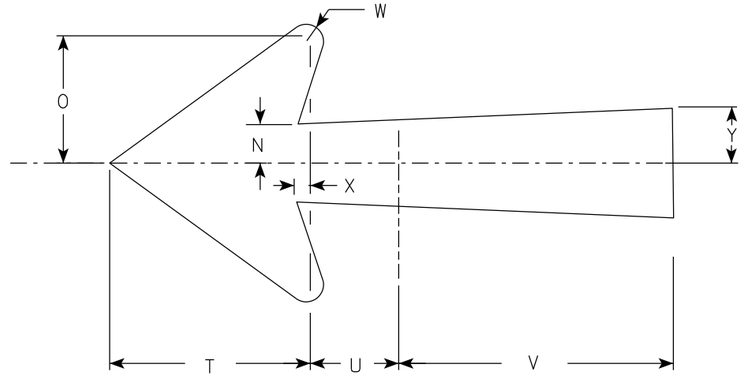
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1023 | E



R10-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

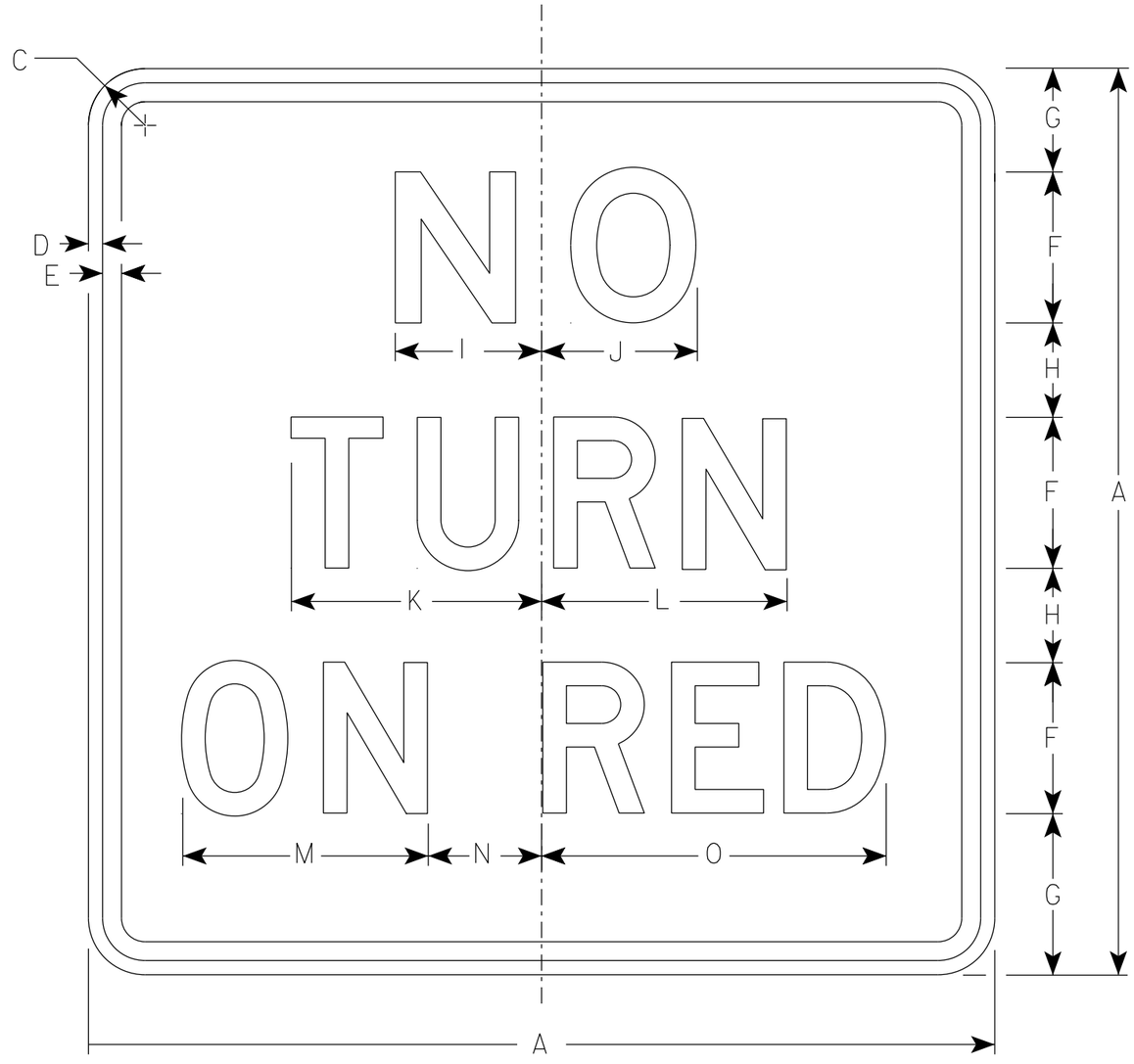
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1024	E



R10-11B

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series E.
   Lines 2 and 3 are Series D.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/2	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/2	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 7/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

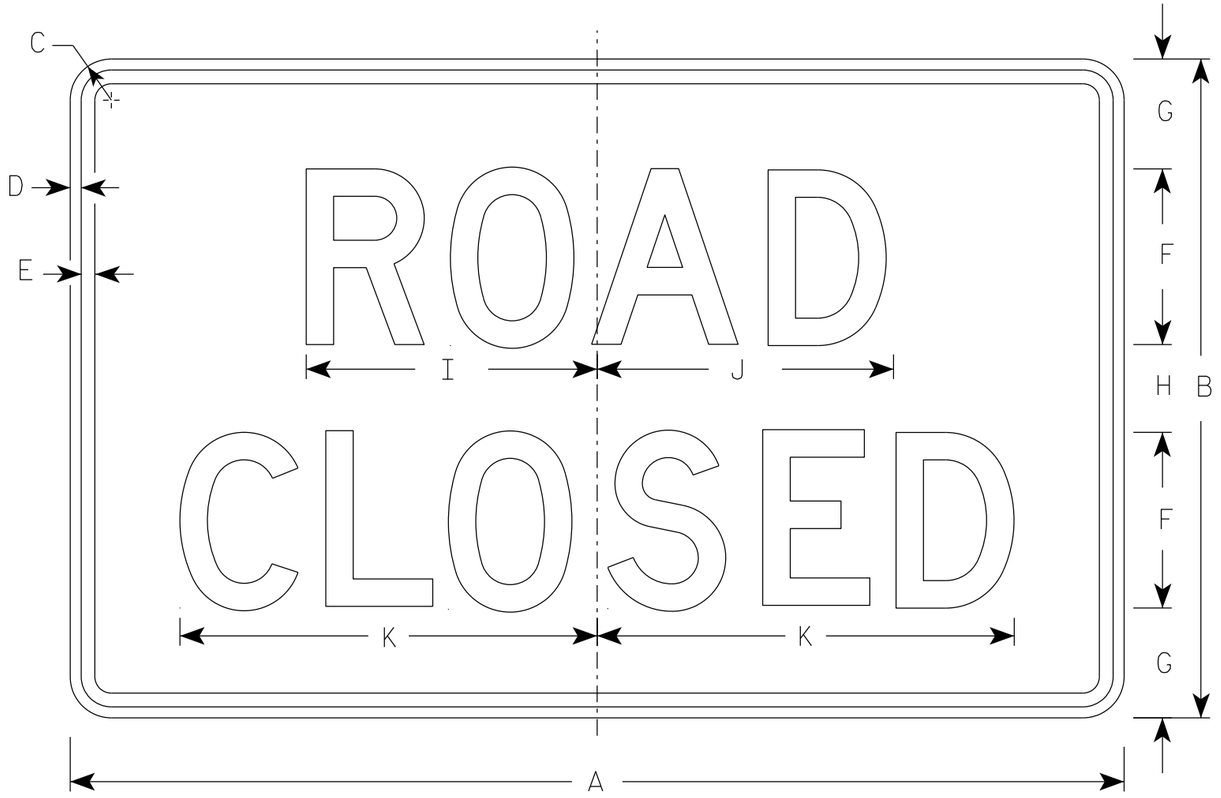
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/31/24 PLATE NO. R10-11B.5

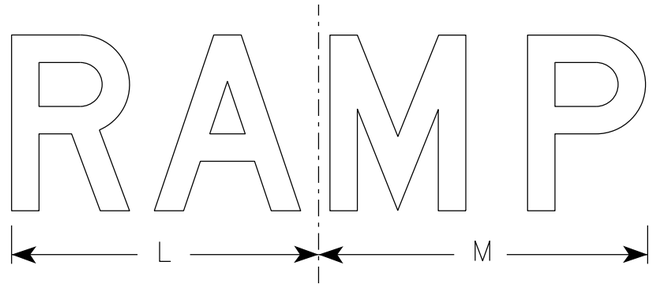
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1025 E



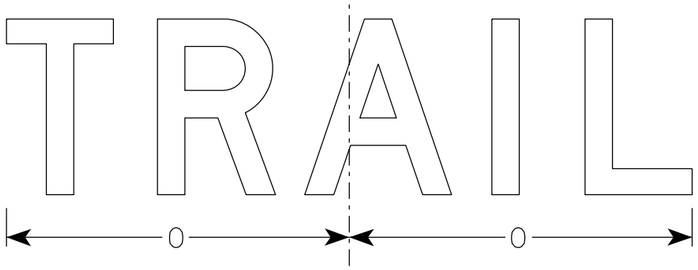
R11-2

NOTES

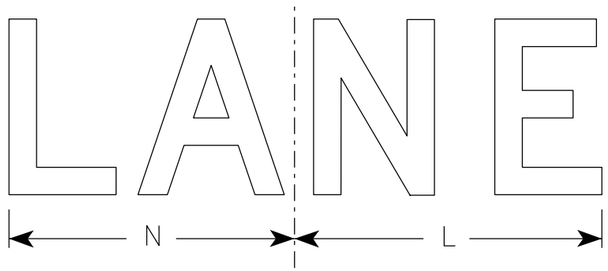
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

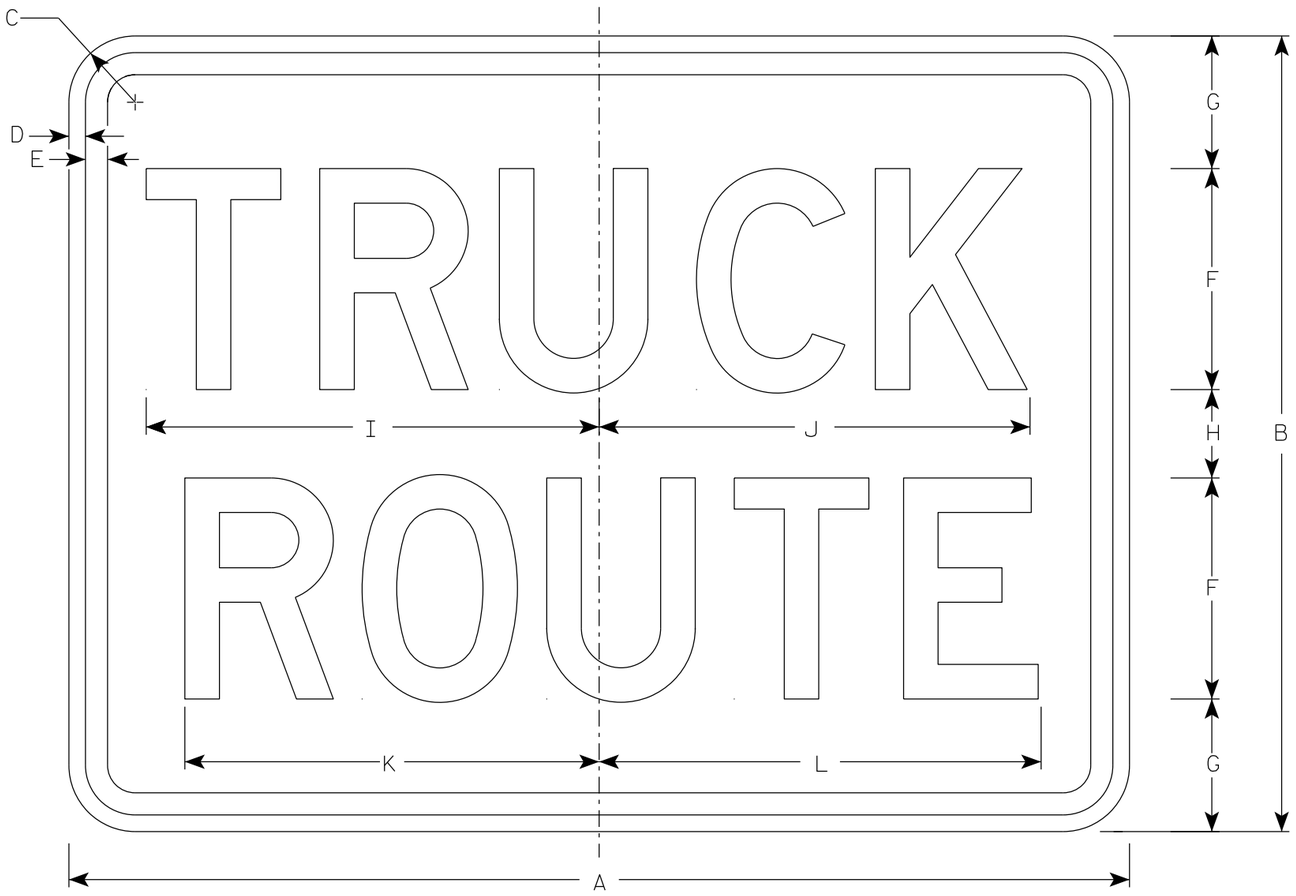
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R14-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2M	24	18	1 1/2	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/2	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

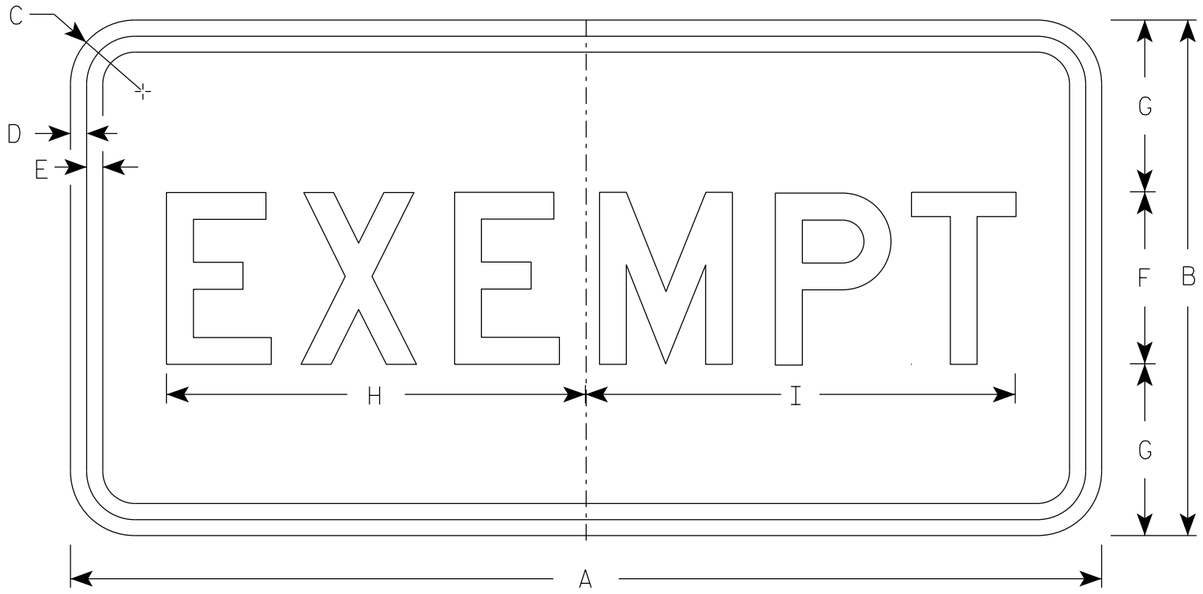
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/24 PLATE NO. R14-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1027 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - D
4. Background - R15-3 is White Type H Reflective
   W10-1A is Yellow.



R15-3
and
W10-1A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	⅜	⅜	4	4	9 ¾	10																		2
2M	24	12	1 ½	⅜	⅜	4	4	9 ¾	10																		2
3																											
4																											
5																											

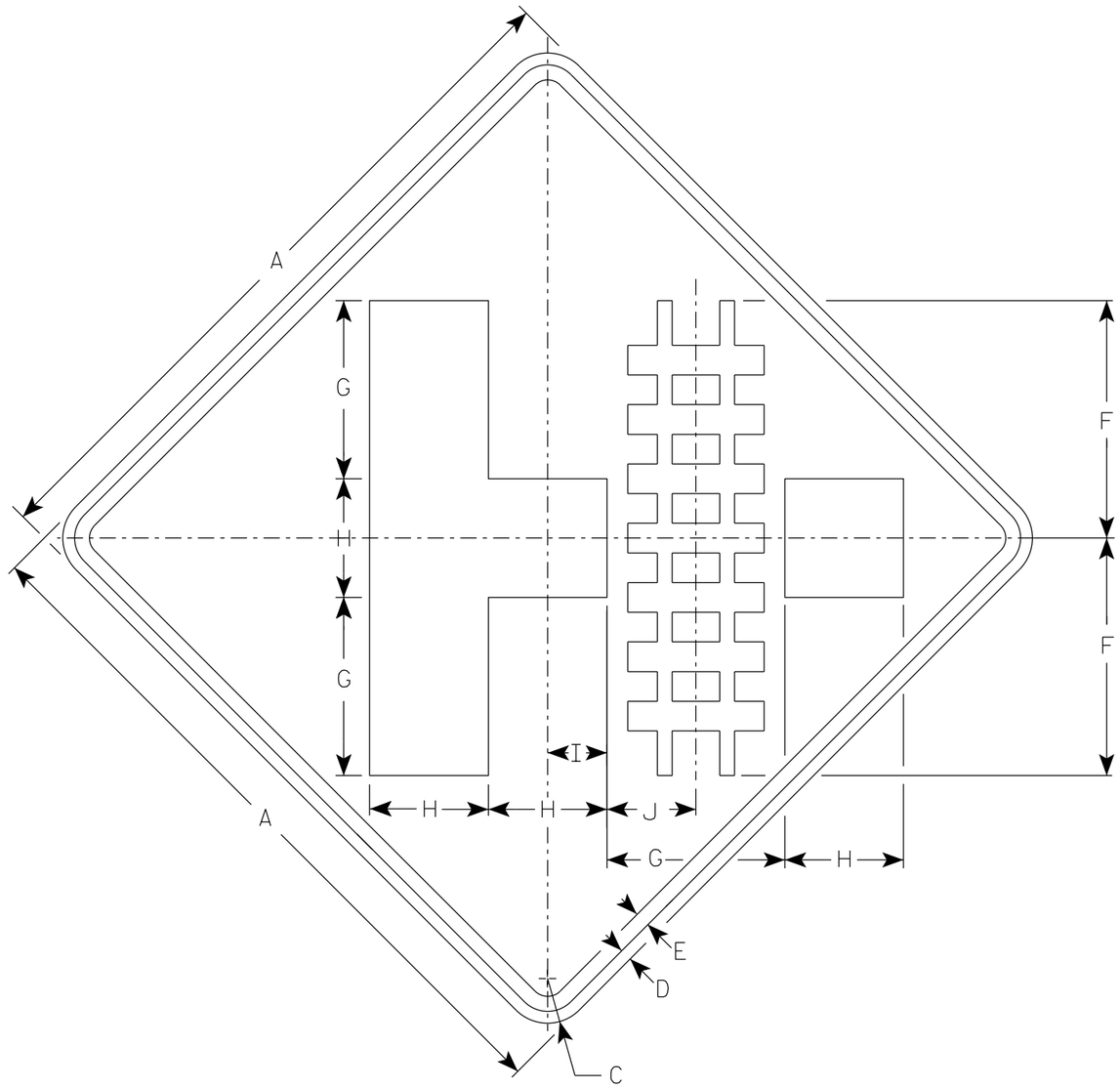
STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/13/2023 PLATE NO. R15-3.8

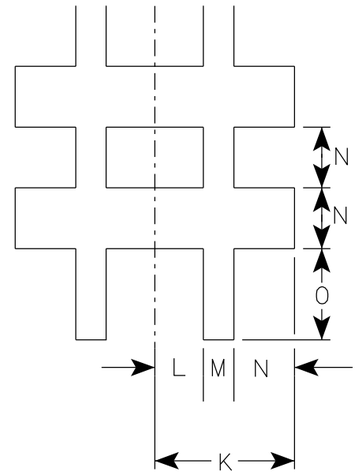
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1028 | E



W10-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 7/8	1	5/8	1 1/4	1 7/8												6.25
2S	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		3	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

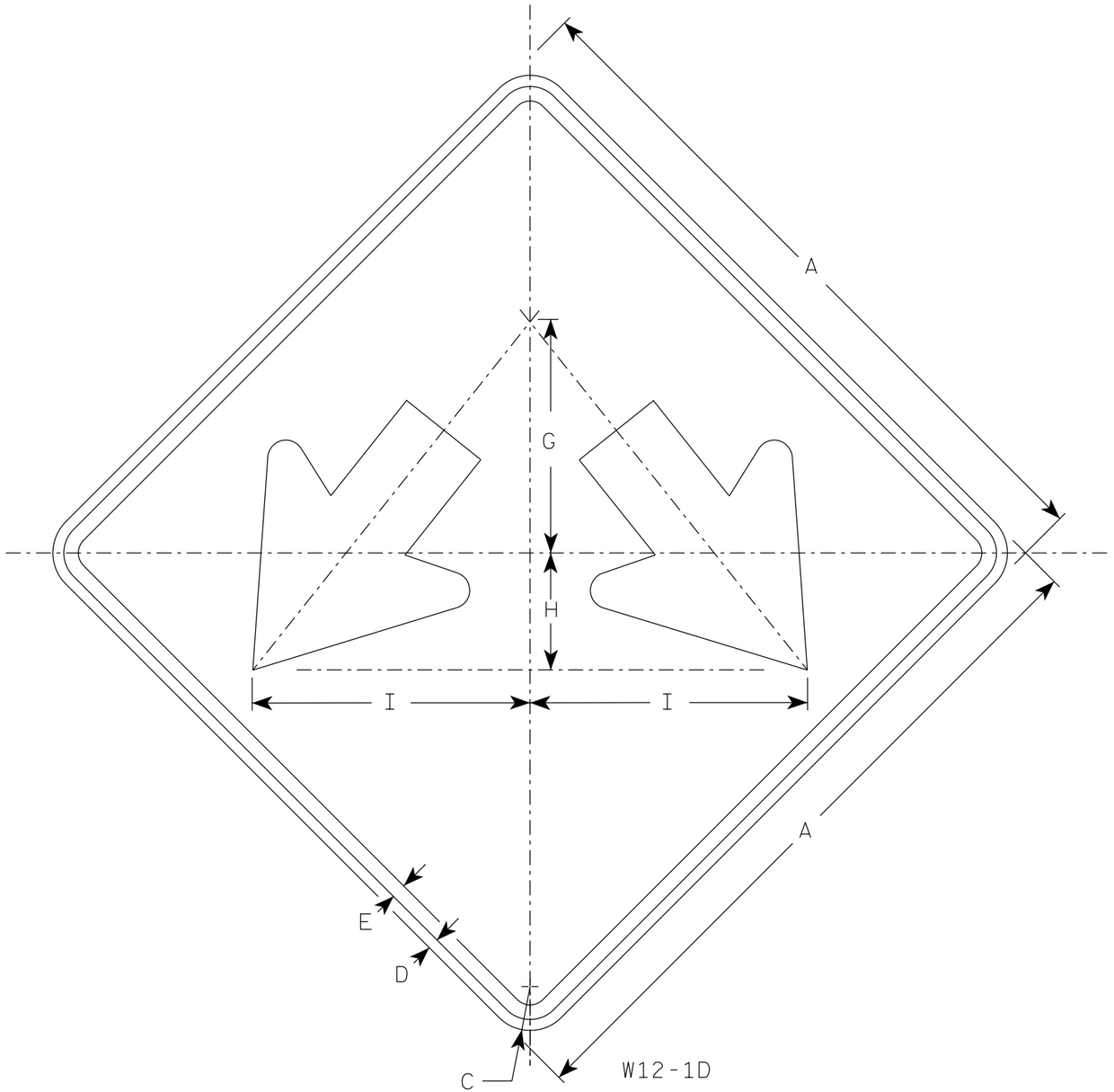
STANDARD SIGN
W10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

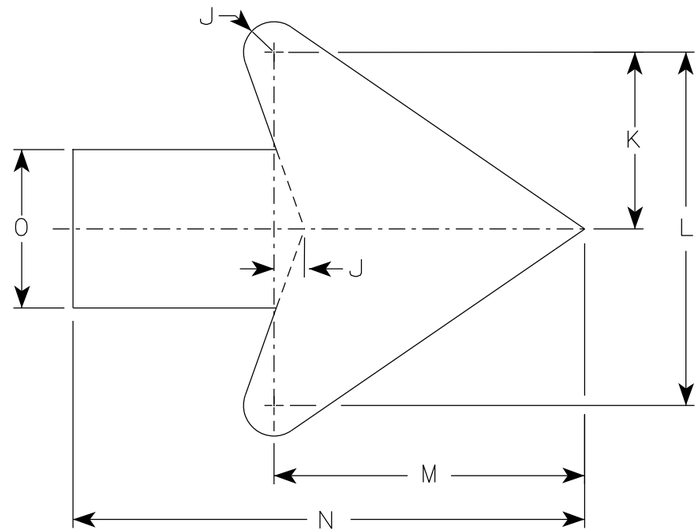
DATE 11/13/2023 PLATE NO. W10-3.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1029 E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Areq. sq. ft.
1																											
2S	24		1 ½	½	⅜		8	4	9 ½	⅜	3 ⅜	7 ¼	6 ⅜	10 ⅜	3 ¼												4.0
2M	24		1 ½	½	⅜		8	4	9 ½	⅜	3 ⅜	7 ¼	6 ⅜	10 ⅜	3 ¼												4.0
3	30		1 ⅞	½	⅝		10	5	11 ⅞	¾	4 ½	9	7 ⅞	13	4												6.25
4	36		2 ¼	½	⅝		12	6	14 ¼	1	5 ½	10 ⅞	9 ⅝	15 ¾	4 ¾												9.0
5	48		3	¾	1		16	8	19	1 ¼	7 ¼	14 ½	12 ¾	21	6 ¼												16.0

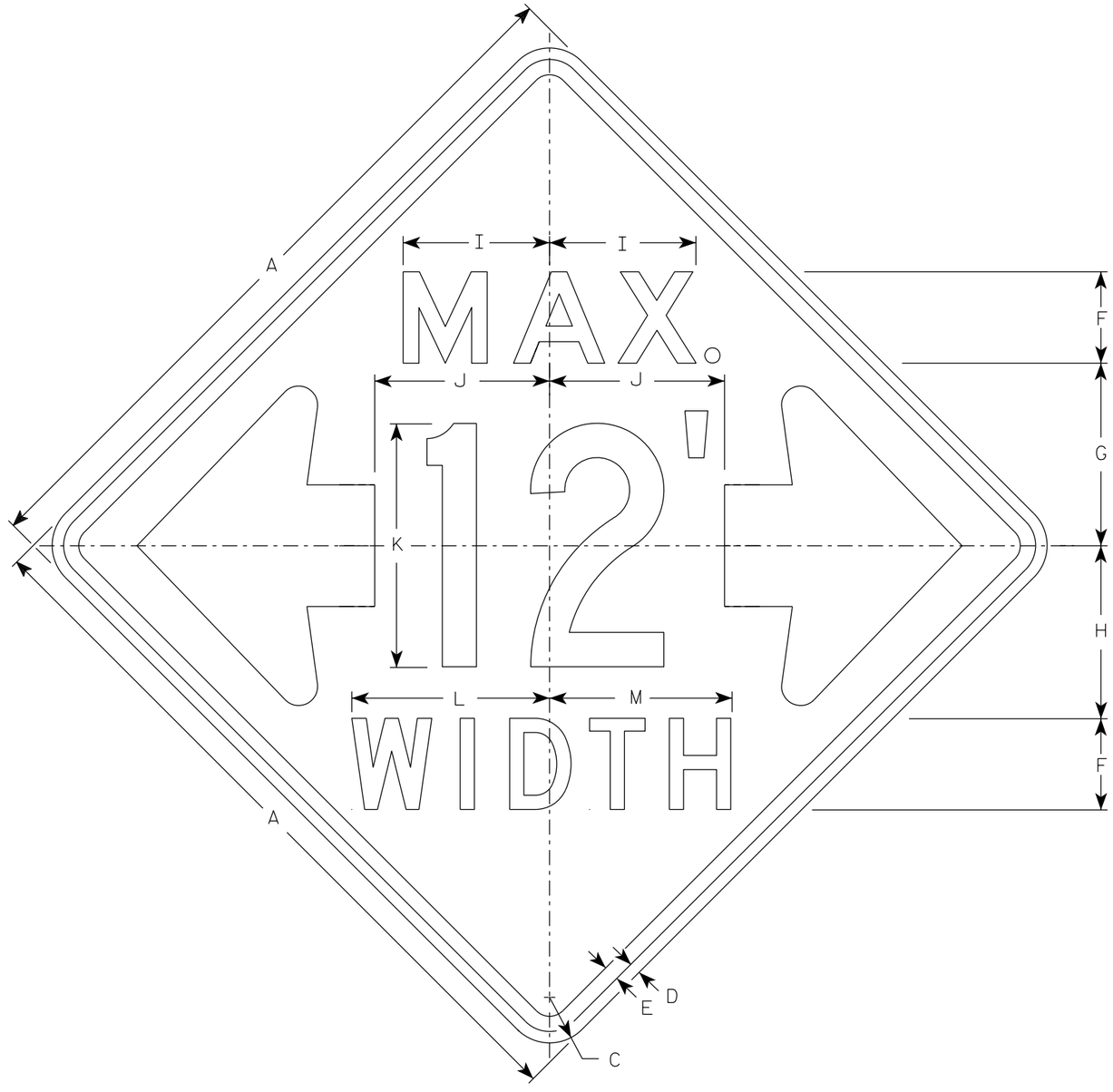
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/30/2023 PLATE NO. W12-1D.16

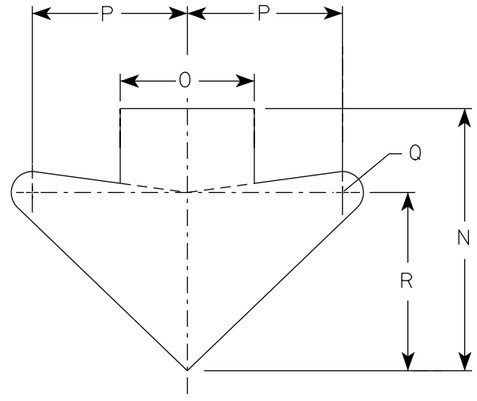
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1030	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

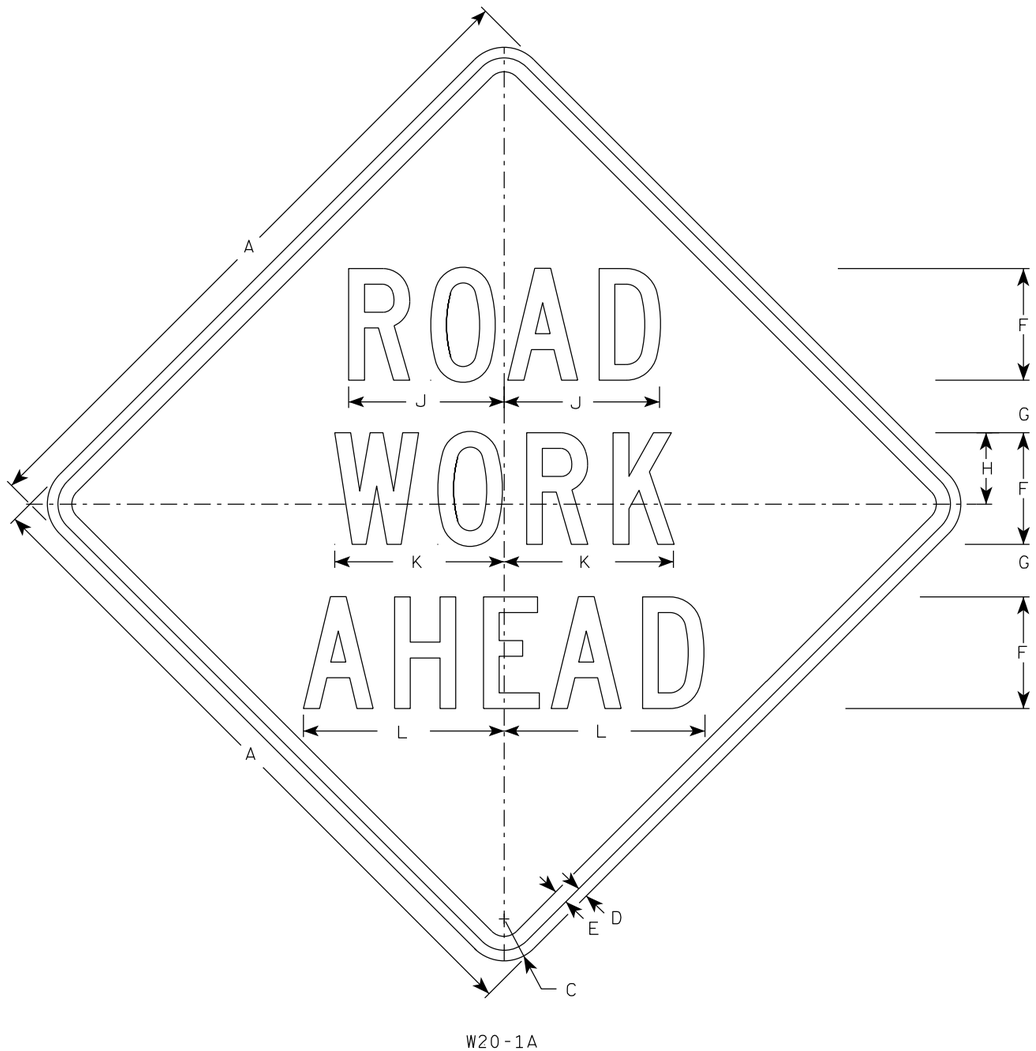
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

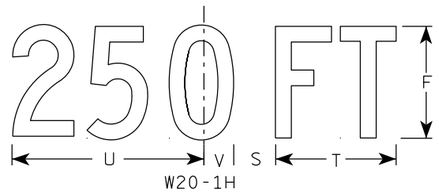
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

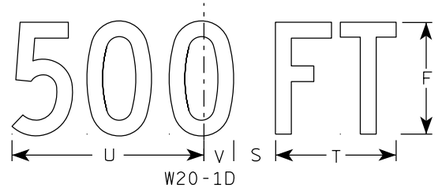
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1031	E



W20-1A



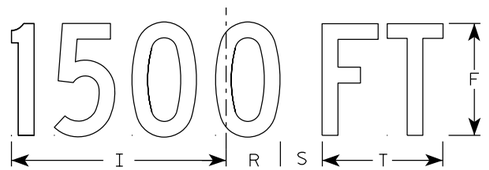
W20-1H



W20-1D



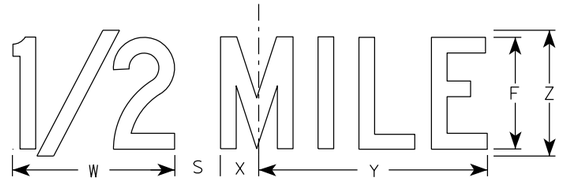
W20-1C



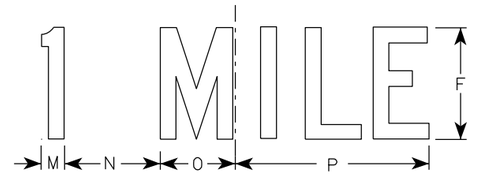
W20-1B

NOTES

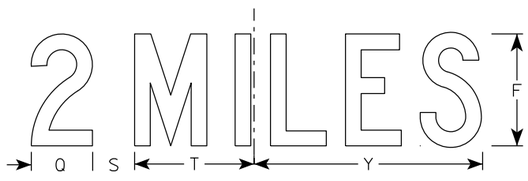
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

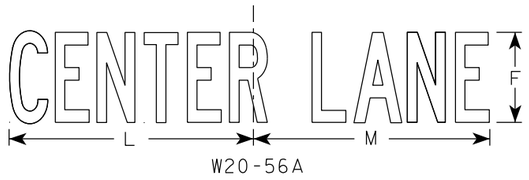
SHEET NO: 1032 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

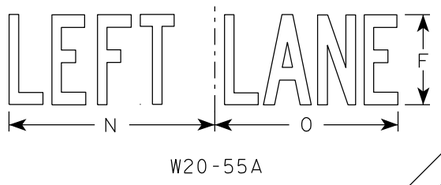
WISDOT/CADDS SHEET 42

7

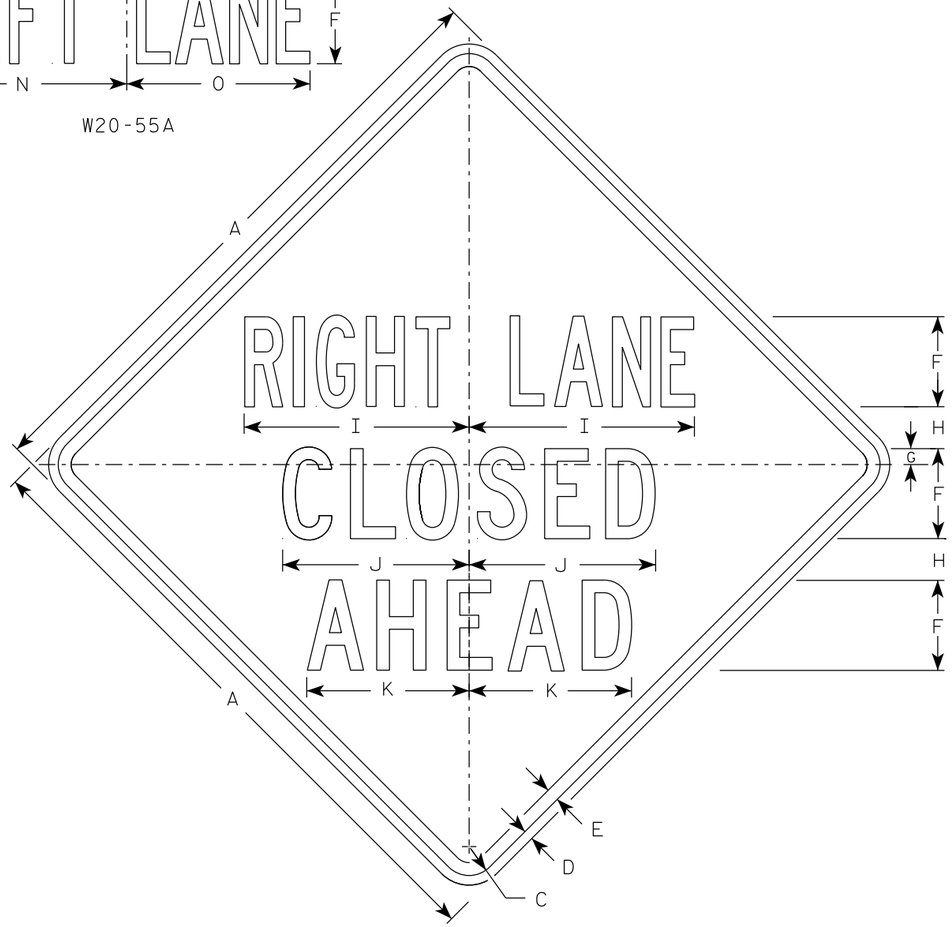
7



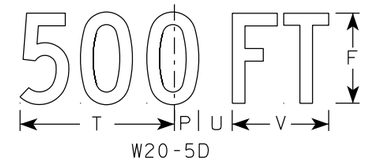
W20-56A



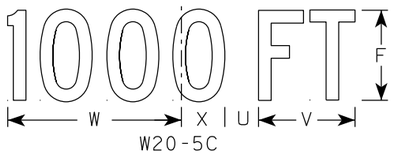
W20-55A



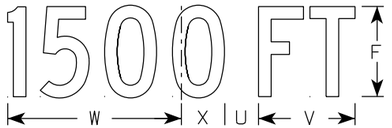
W20-5A



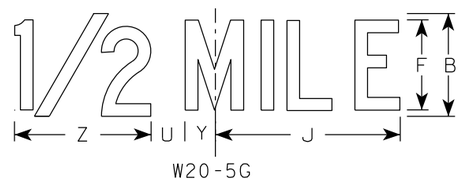
W20-5D



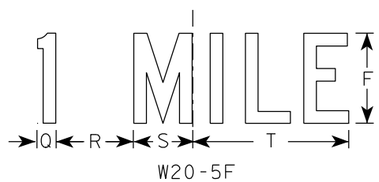
W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

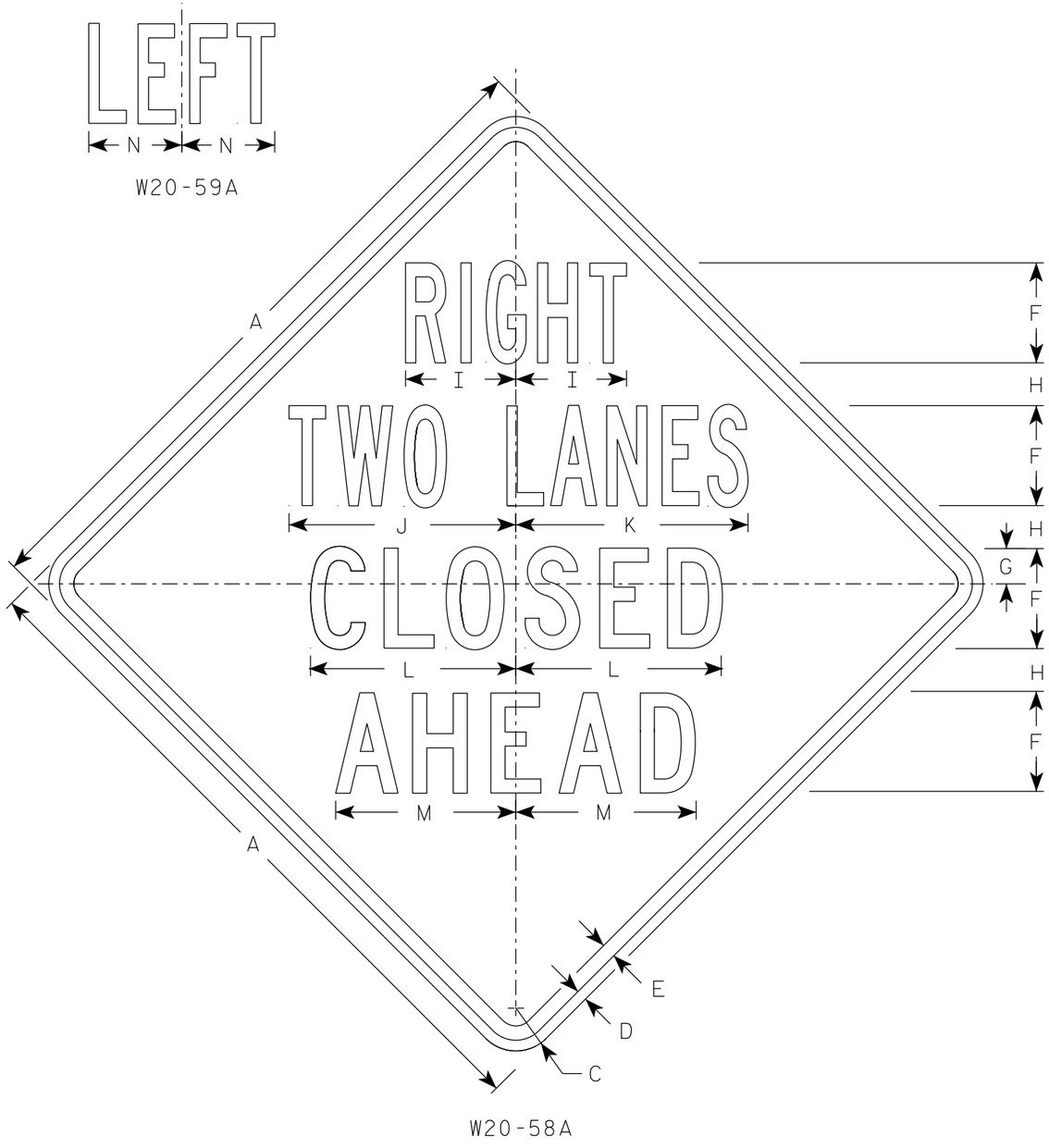
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

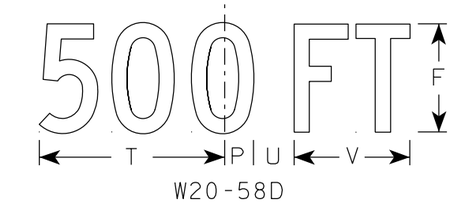
DATE 3/27/24 PLATE NO. W20-5.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1033 | E

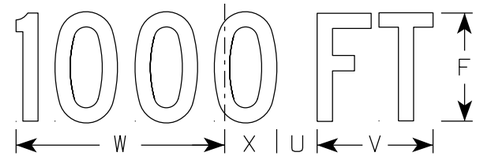
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W205.dgn PLOT DATE : 27-MAR 2024 4:01 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



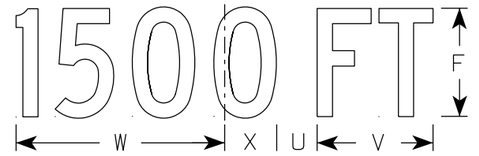
W20-58A



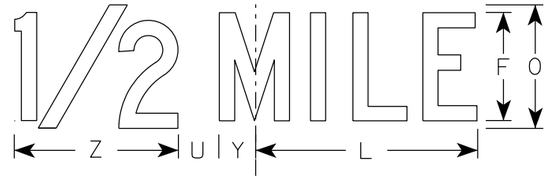
W20-58D



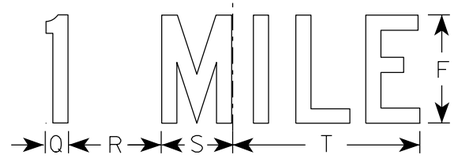
W20-58C



W20-58B



W20-58G



W20-58F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 Series B.
   Lines 3 & 4 Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	1 7/8	2 1/4	5 7/8	11 7/8	12 1/8	10 3/4	9 1/2	4 7/8	6	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

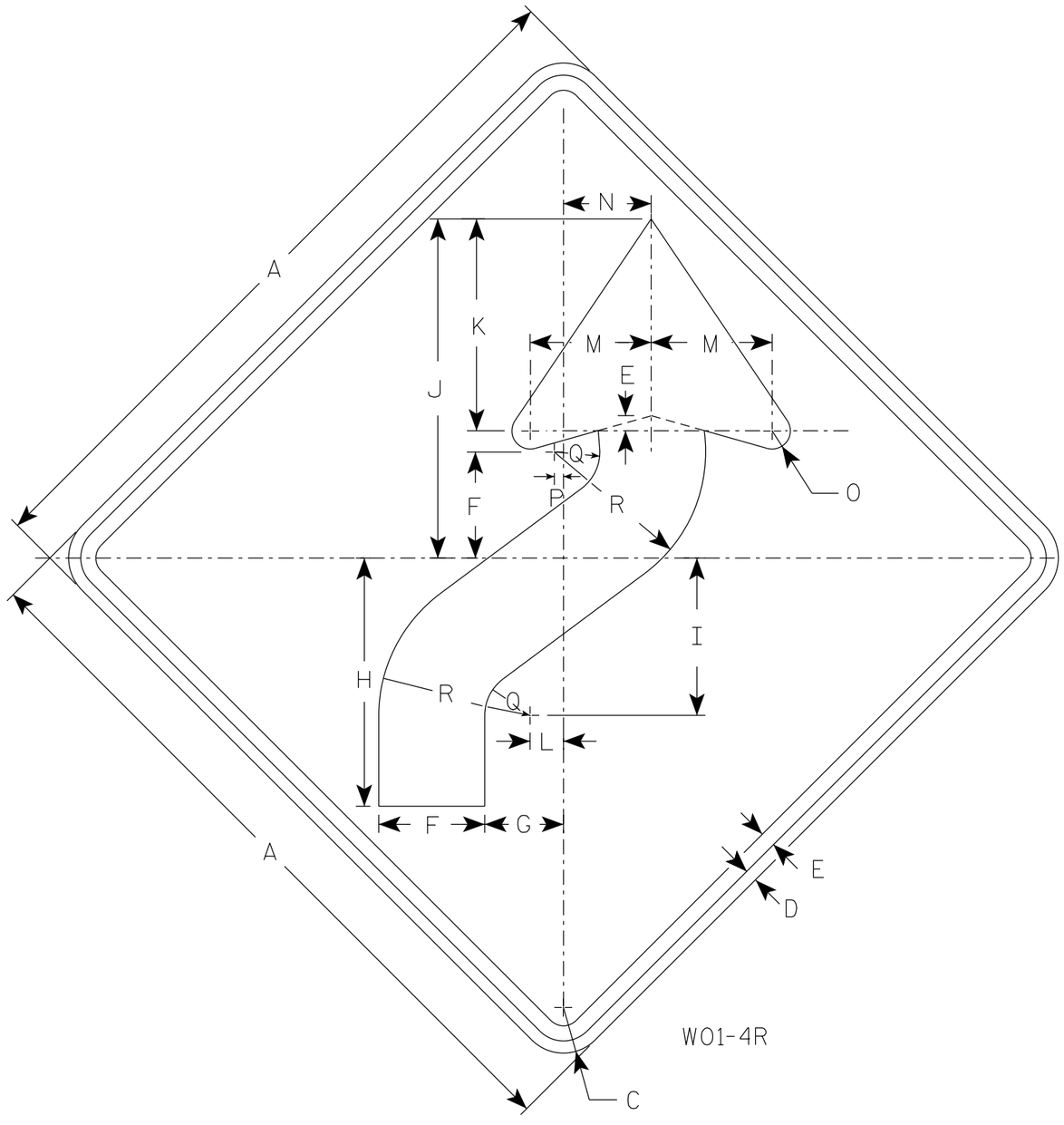
STANDARD SIGN
W20-58A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-58.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1034	E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

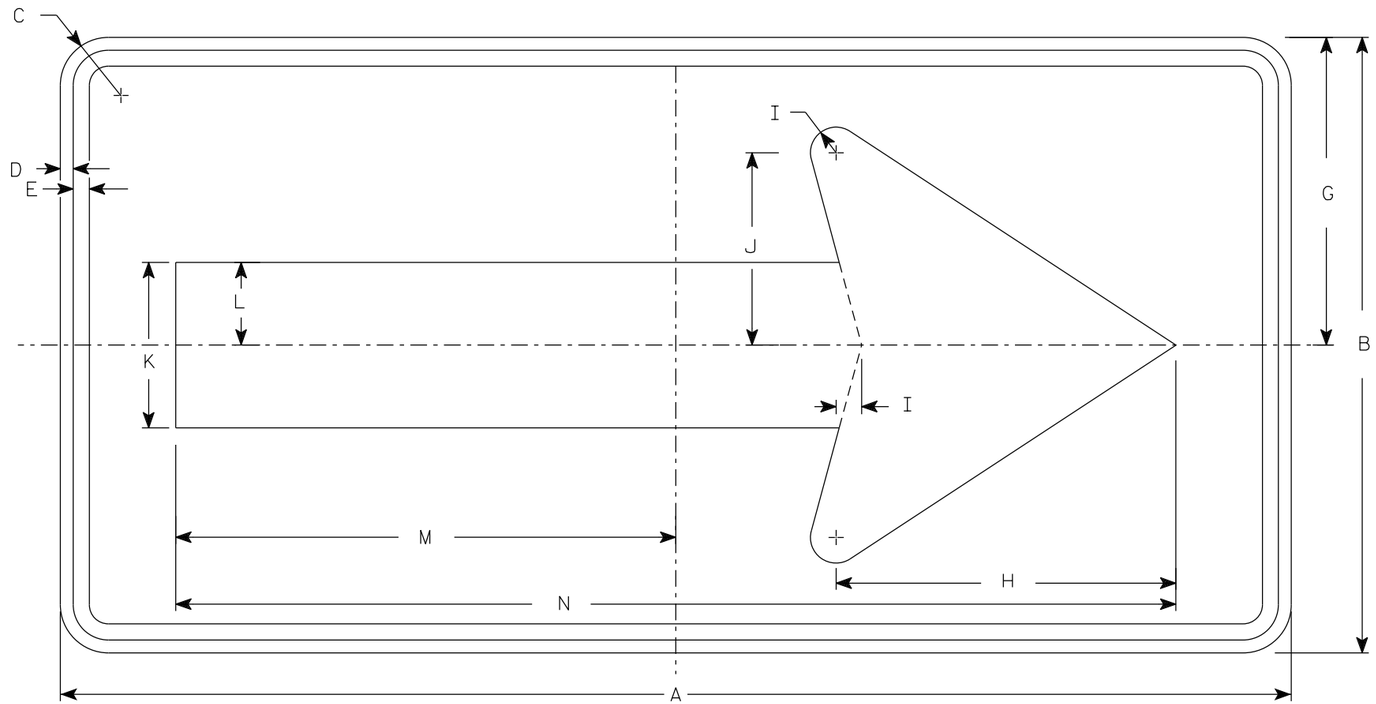
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1035 | E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

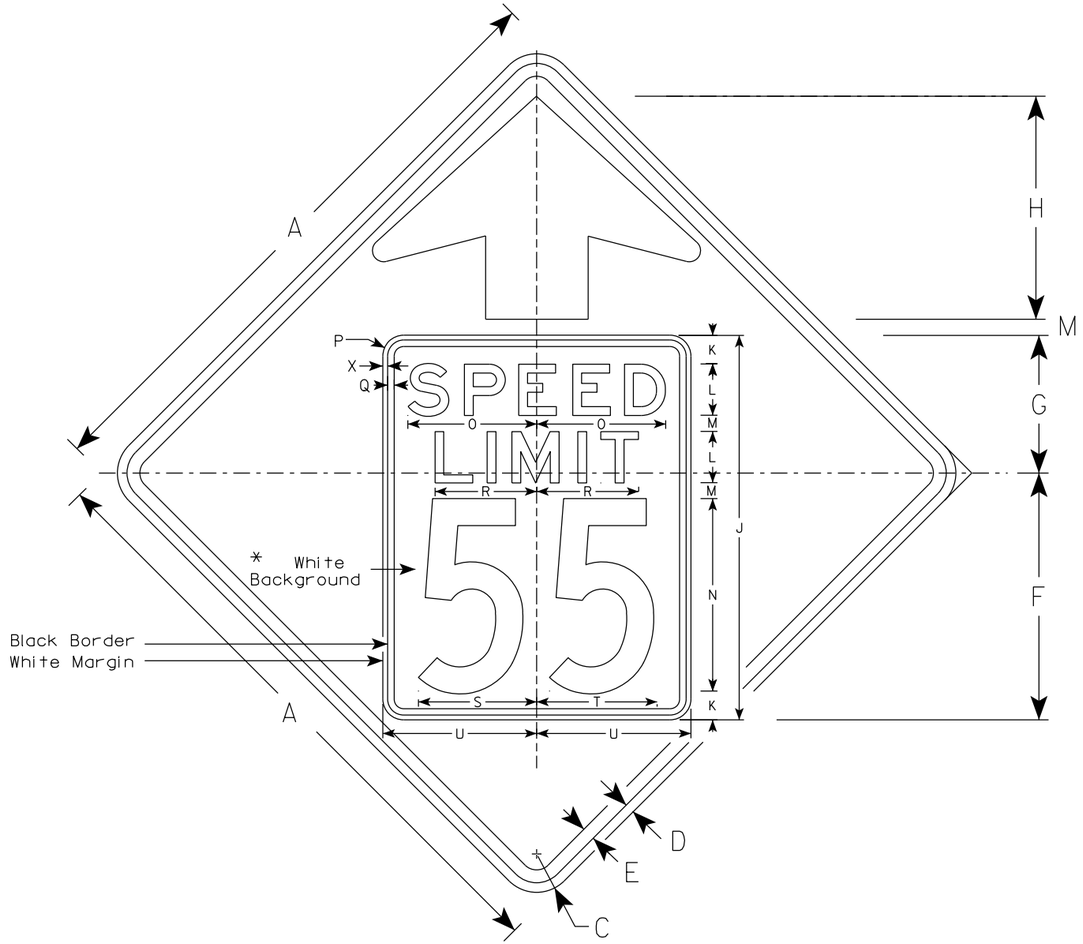
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

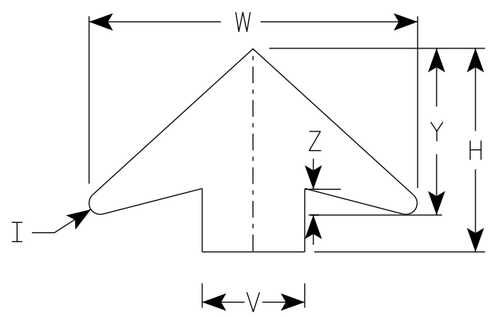


W03-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color: *
   Background - ORANGE*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

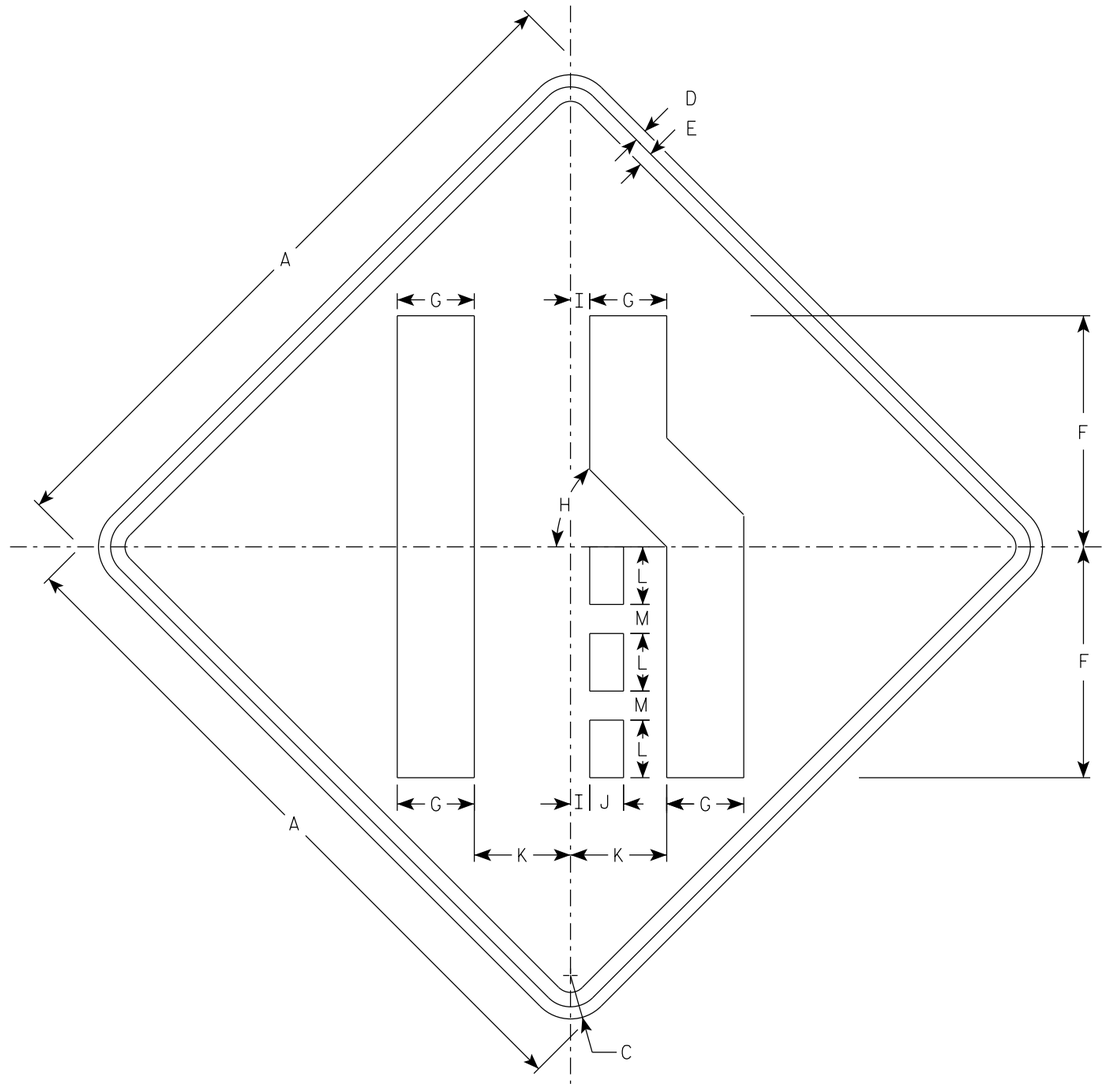
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-5.2

PROJECT NO:

SHEET NO: 1037 E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

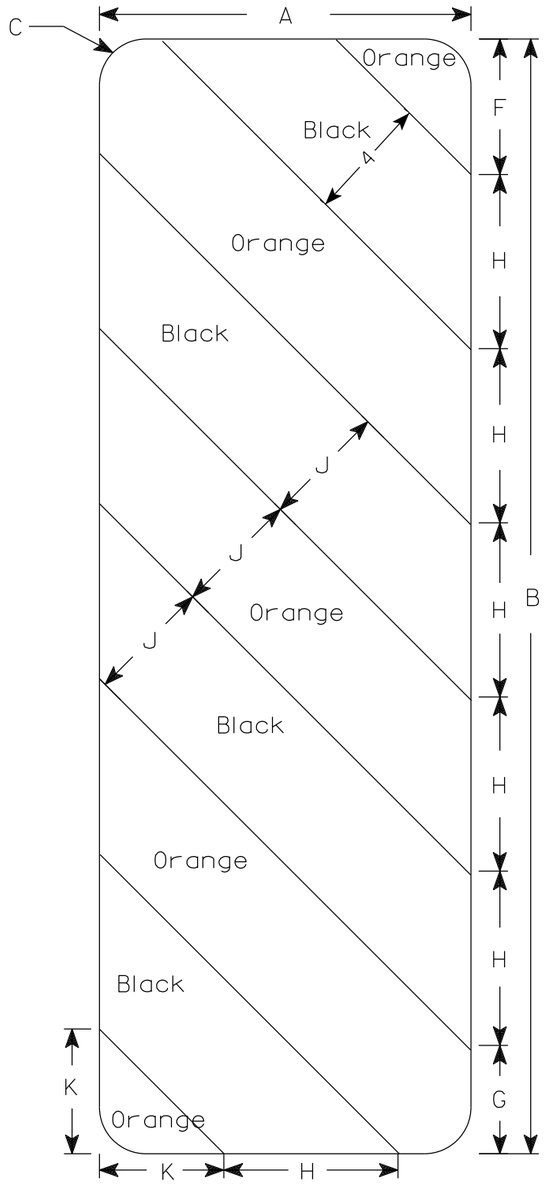
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

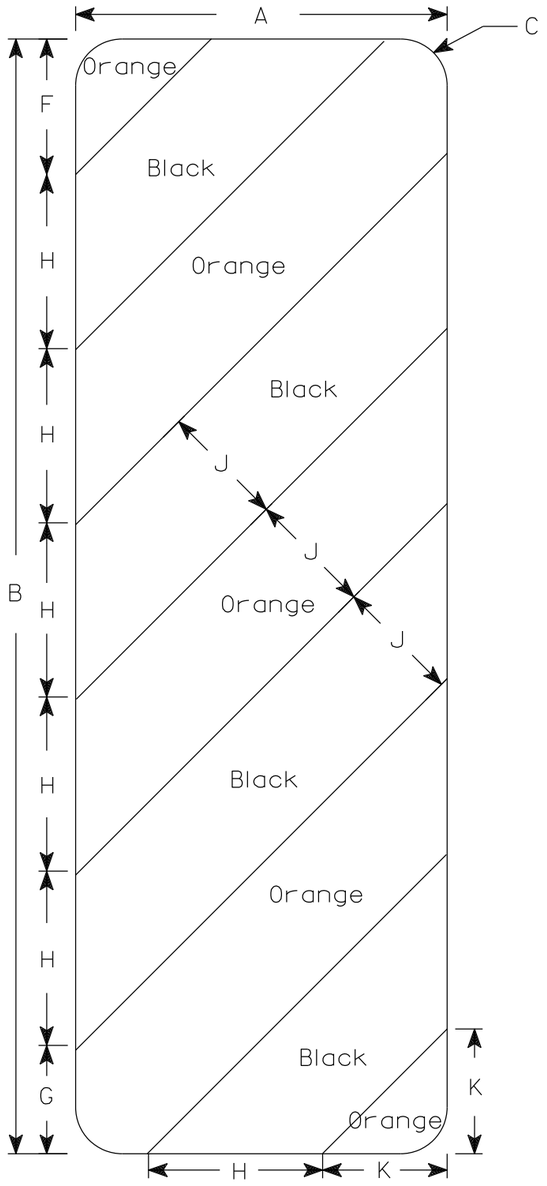
DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 1038 E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

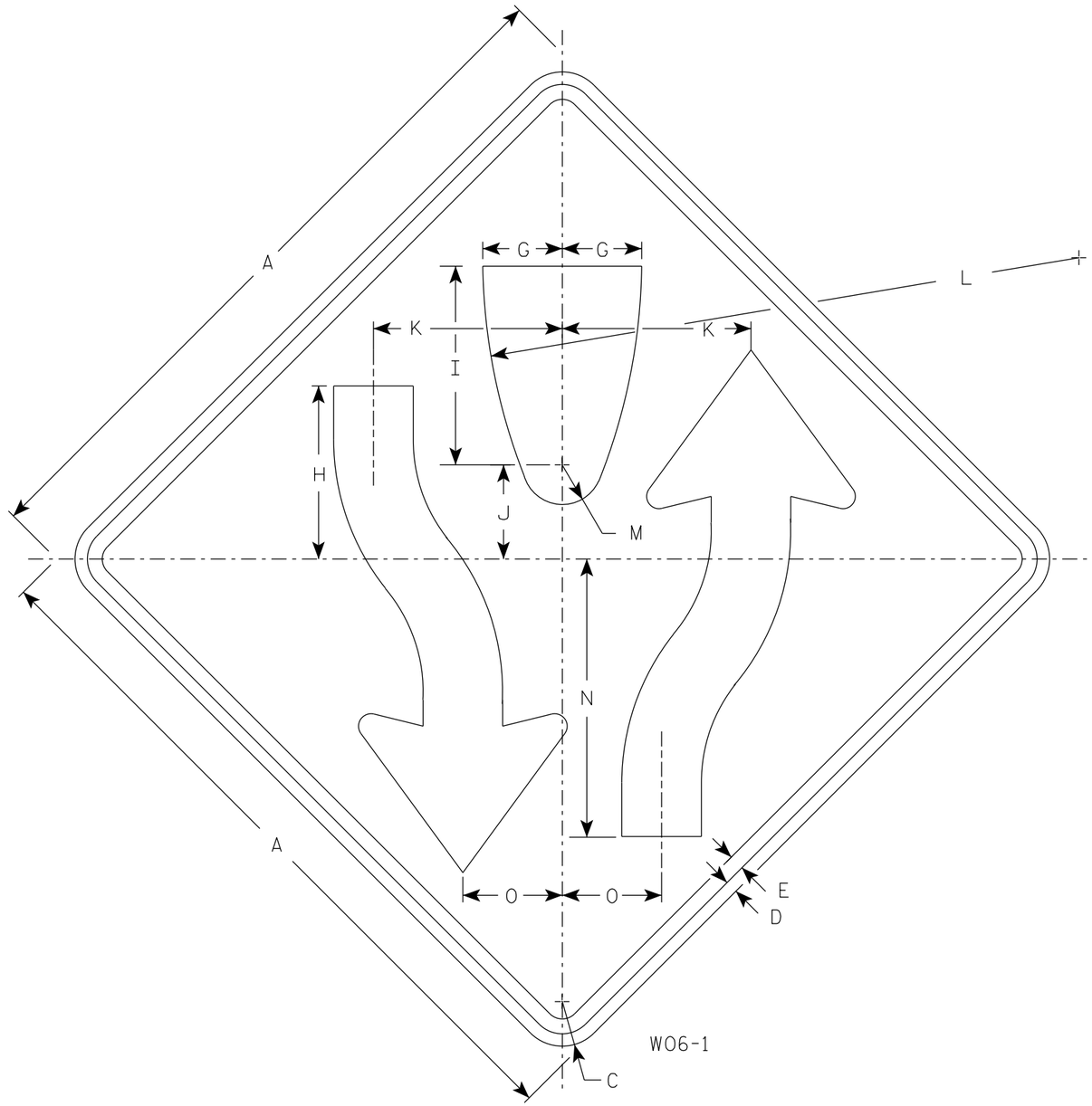
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/2024 PLATE NO. W05-52.2

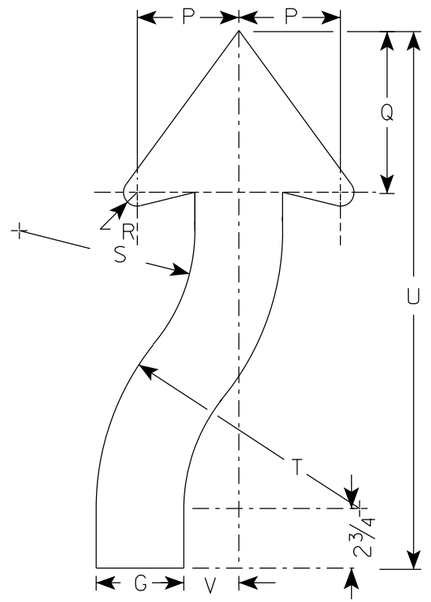
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1039	E



W06-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W06-2 same as W06-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2S	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
2M	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
3	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
4	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

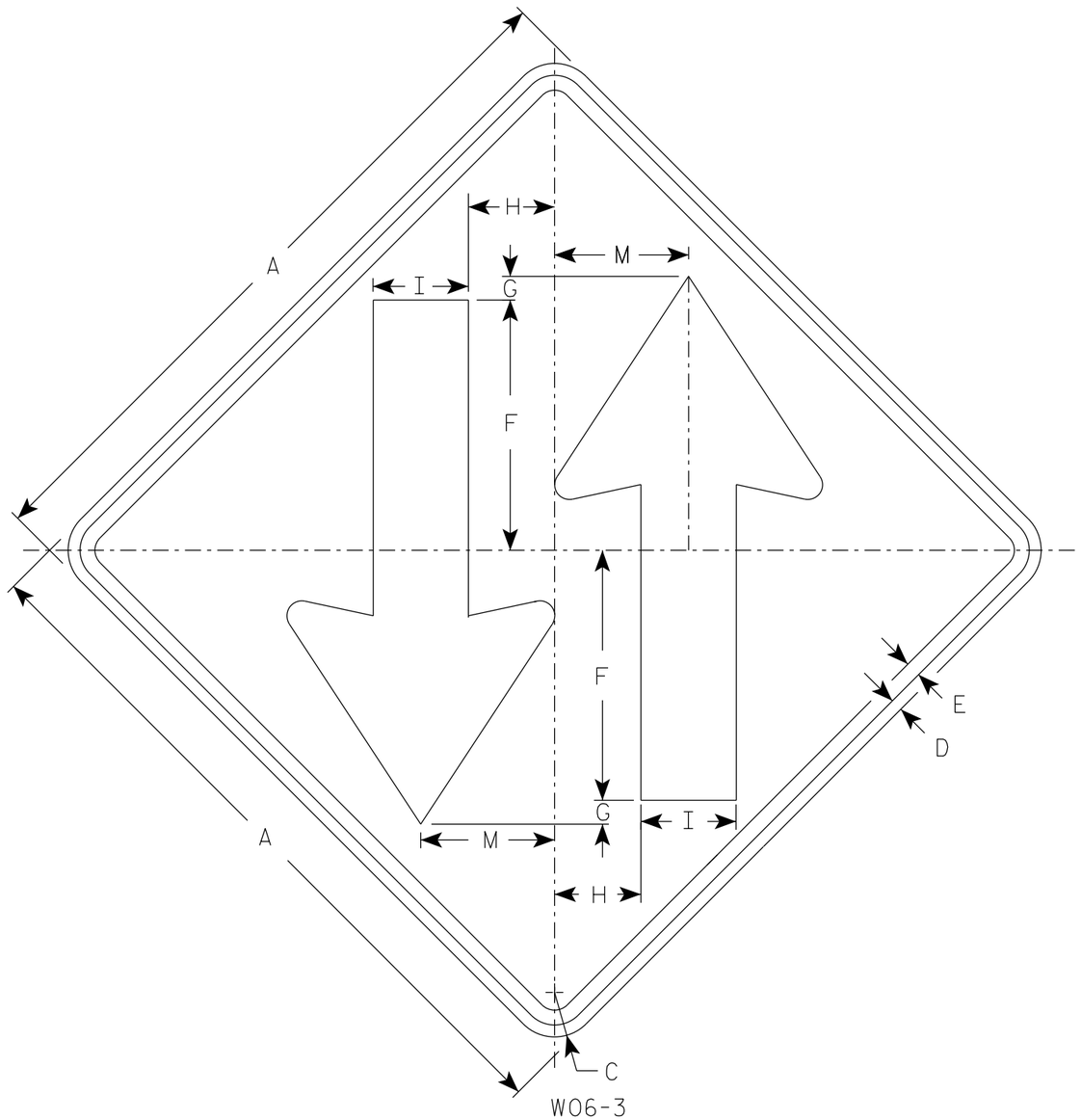
STANDARD SIGN
W06-1 & W06-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-1.2

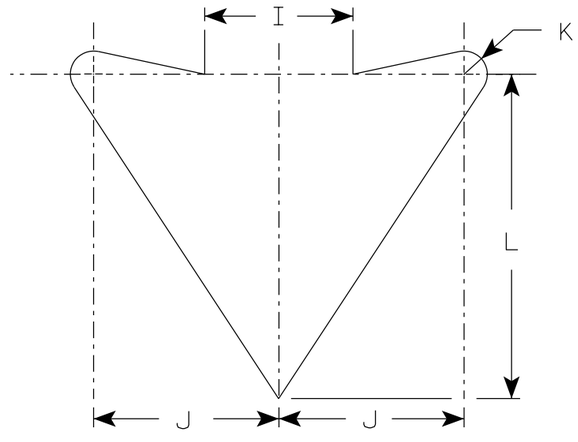
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1040	E



W06-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

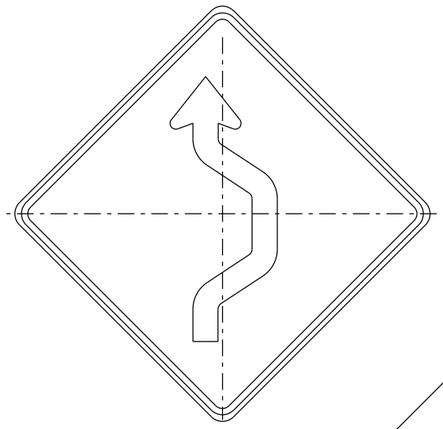
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

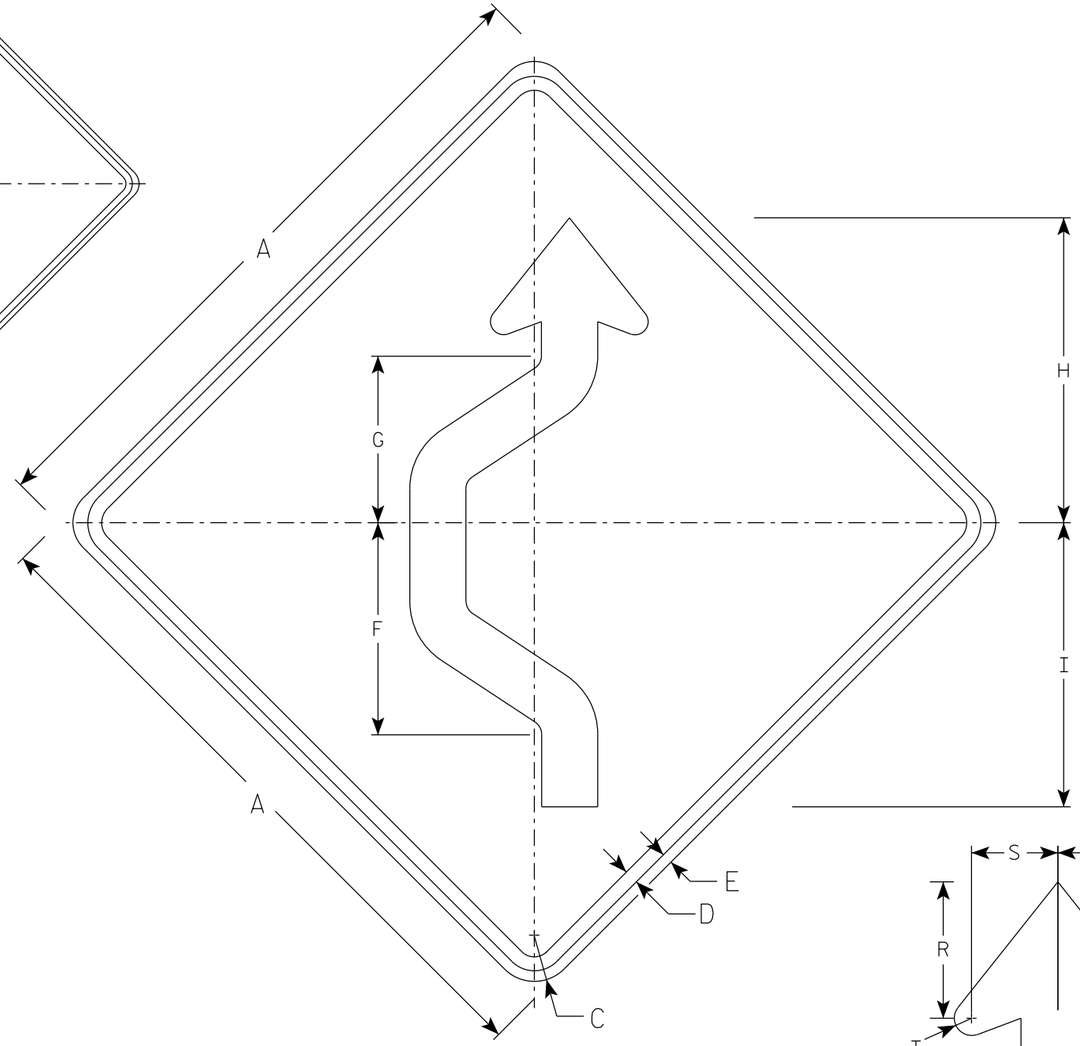
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-3.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1041 | E



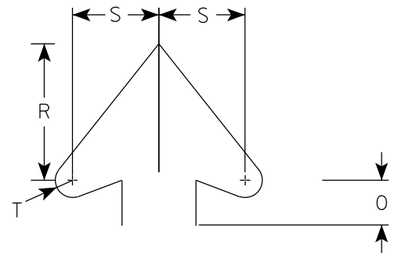
W024-1R



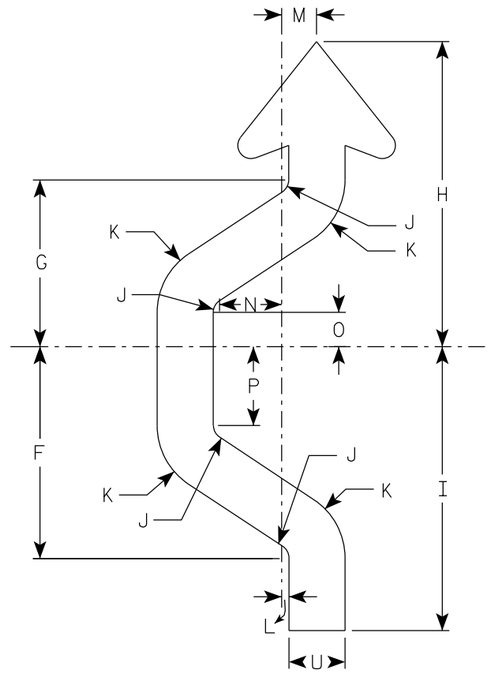
W024-1L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W024-1R is the same as W024-1L except reversed along the vertical centerline.



Arrowhead Detail



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	1/2	11 3/8	8 7/8	16 3/8	15 1/4	3/4	3 3/4	3/8	2	3 3/8	1 7/8	4 1/4		5 1/2	3 1/2	5/8	3						9.0
2S	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
2M	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
3	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
4	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0
5	48		3	1	3/4	15 1/8	11 7/8	21 3/4	20 1/4	1	5	1/2	2 1/2	4 3/8	2 3/8	5 5/8		7 3/8	4 3/4	7/8	4						16.0

STANDARD SIGN
W024-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

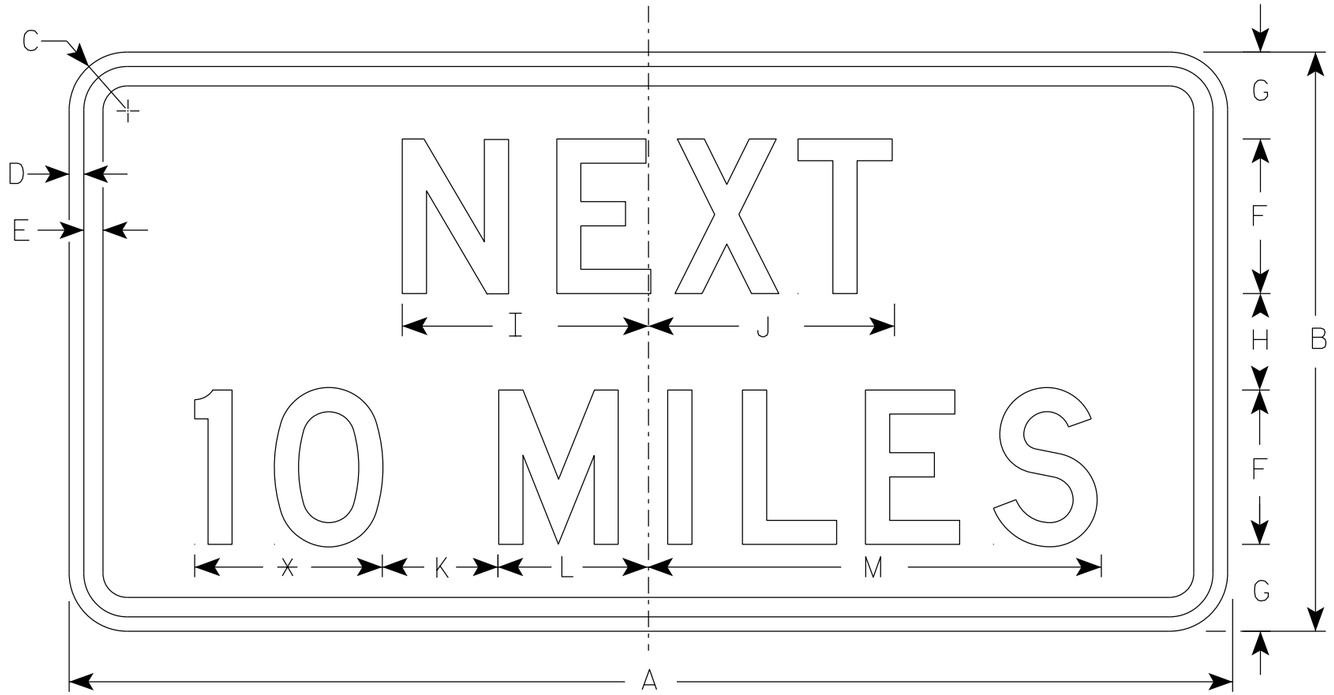
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W024-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0241.dgn PLOT DATE : 1-FEB 2024 10:32 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 7/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

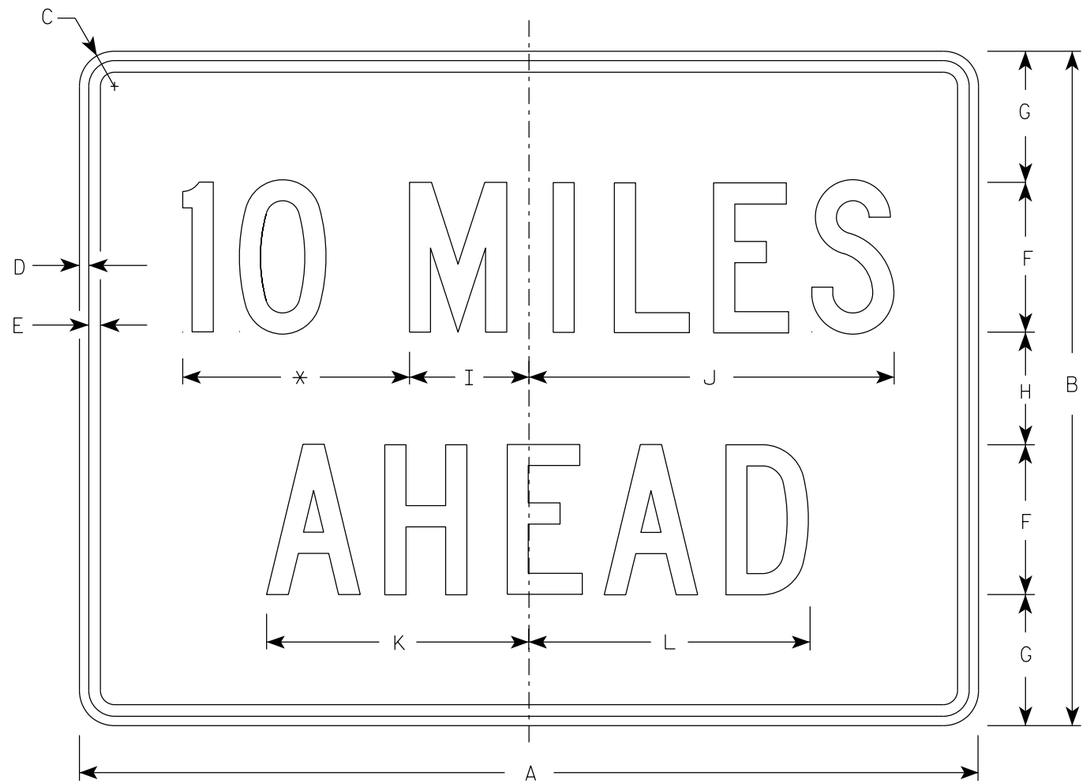
STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

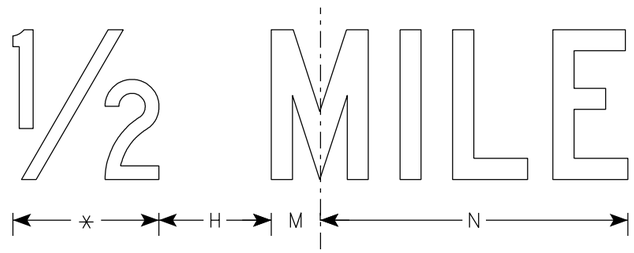
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-51.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 1043	E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/2	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

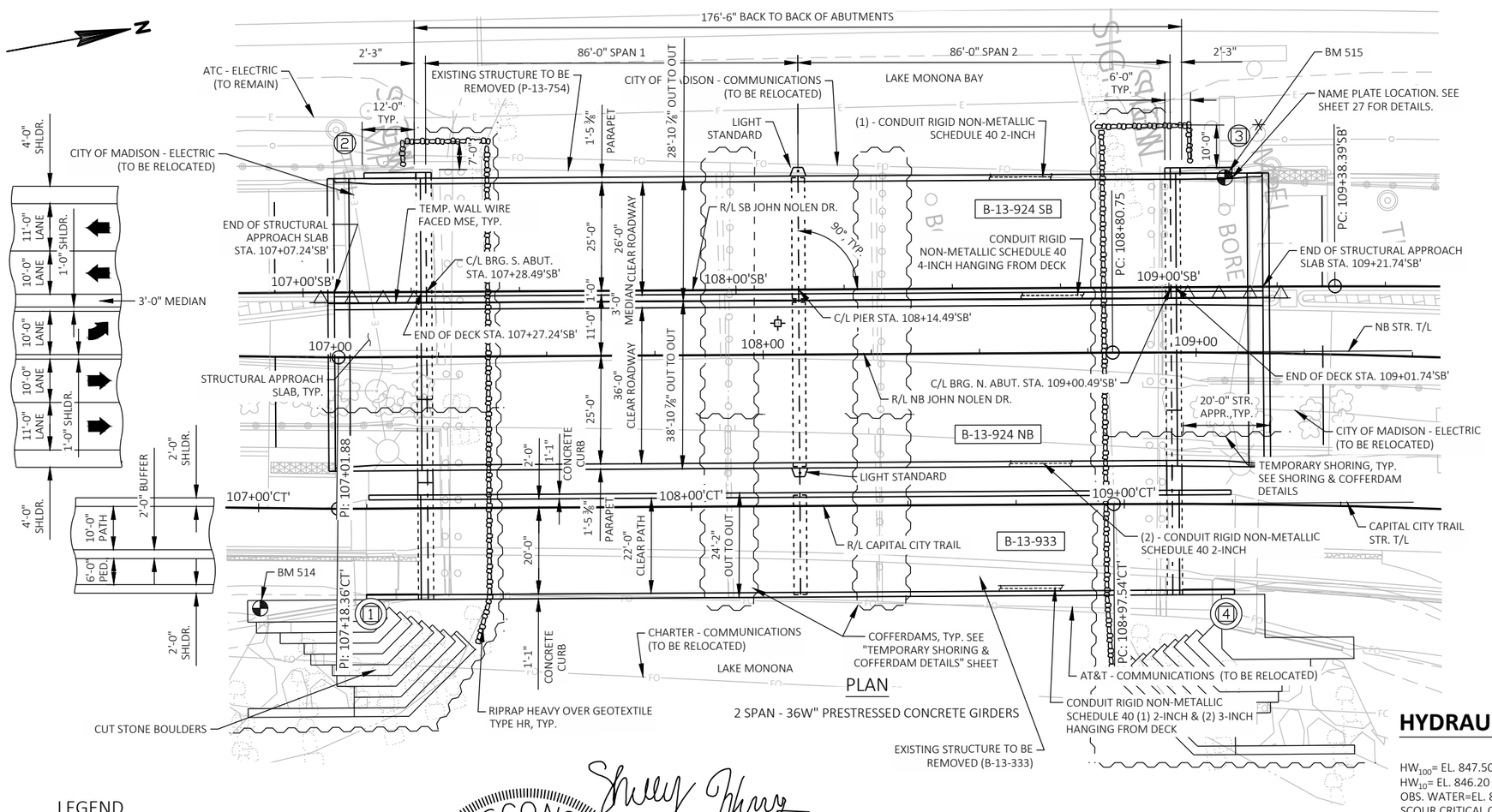
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 1044 E



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.13
OPERATING RATING: RF = 1.56
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI
- STAINLESS, GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 110' LONG AT NORTH ABUT.
- 100' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 395 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

TRAFFIC DATA

JOHN NOLEN DRIVE:

A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
RDS = 40 M.P.H.

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2024)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2024)
OBS. WATER=EL. 844.86 (KL SURVEY ON 6/23/2021)
SCOUR CRITICAL CODE = 8

STATE PROJECT NUMBER

5992-11-25

LEGEND

- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER
- CRASH CUSHION REQUIRED. SEE ROADWAY PLANS FOR DETAILS.

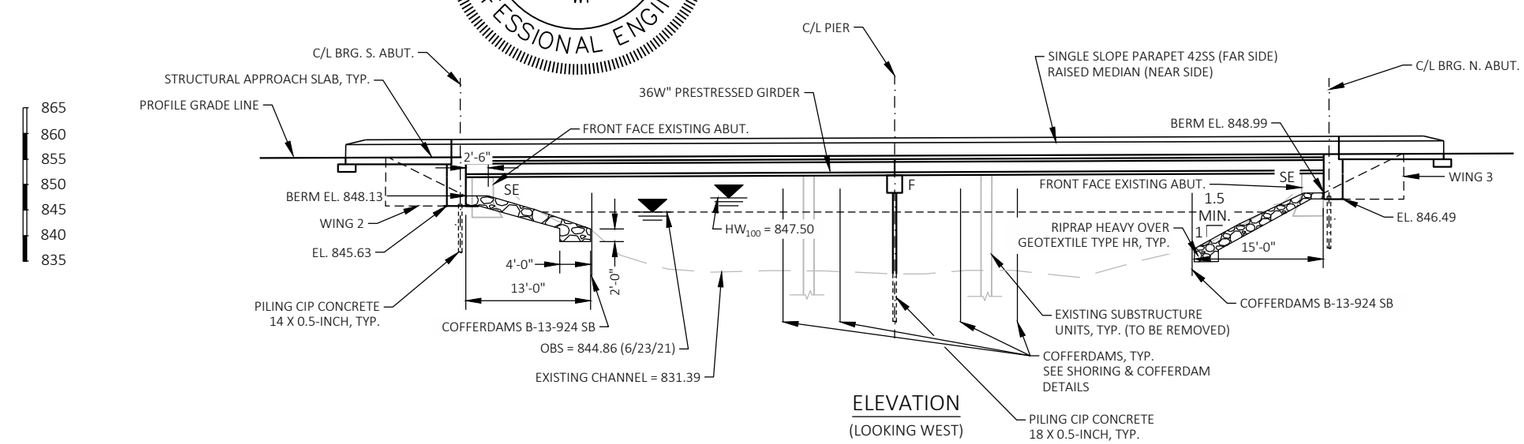
WISCONSIN SHELLY K. HARRIS E-100266-6 MONDOVI, WI PROFESSIONAL ENGINEER

Shelly Harris

June 24, 2025

BENCH MARK

NO.	Y	X	DESCRIPTION	ELEV.
514	479171.659	820569.698	CUT SQ CONC WALL	854.63
515	479402.698	820507.777	CUT SQ CONC WALL	858.23



ELEVATION
(LOOKING WEST)

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. TRAFFIC STAGING DETAIL
4. QUANTITIES
5. GENERAL NOTES, PROFILES & DETAILS
6. SUBSURFACE EXPLORATION
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT WING DETAILS
9. SOUTH ABUTMENT DETAILS
10. NORTH ABUTMENT
11. NORTH ABUTMENT WING DETAILS
12. NORTH ABUTMENT DETAILS
13. SUBSTRUCTURE DETAILS
14. PIER
15. PIER DETAILS
16. 36W" PRESTRESSED GIRDER
17. 36W" PRESTRESSED GIRDER DETAILS
18. SUPERSTRUCTURE FRAMING PLAN
19. STEEL DIAPHRAM
20. SUPERSTRUCTURE PLAN
21. SUPERSTRUCTURE CROSS SECTION
22. SUPERSTRUCTURE DETAILS
23. SUPERSTRUCTURE BILL OF BARS
24. LIGHT STANDARD DETAILS
25. SOUTH STRUCTURAL APPROACH SLAB
26. NORTH STRUCTURAL APPROACH SLAB
27. STRUCTURAL APPR. SLAB DETAILS
28. SINGLE SLOPE PARAPET 42SS DETAILS
29. CONDUIT DETAILS
30. AESTHETIC DETAILS
31. TEMPORARY SHORING AND COFFERFAM DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED — 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-924 SB

SB JOHN NOLEN DRIVE OVER LAKE MONONA

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
GWK	WAH	STD	SKH

GENERAL PLAN & ELEVATION

SHEET 1 OF 31
1045

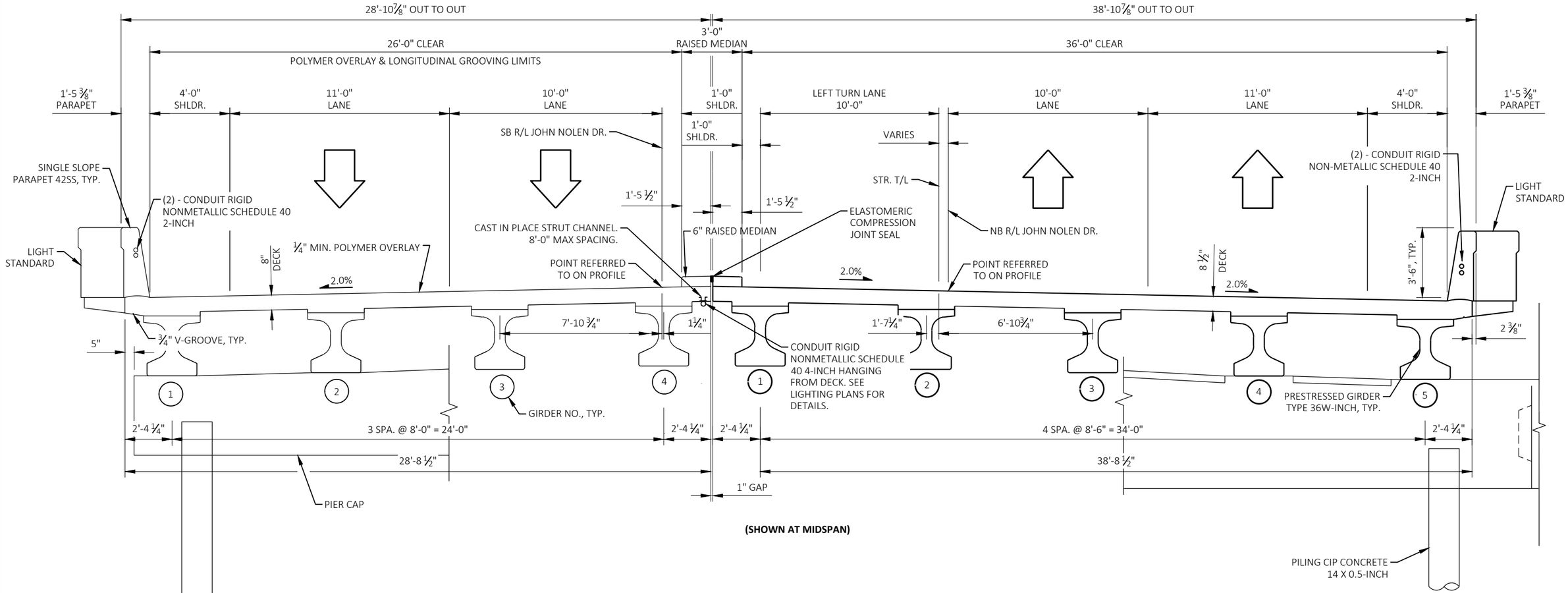
I.D.
DATE:
SCALE =

8

8

STATE PROJECT NUMBER

5992-11-25



(SHOWN AT MIDSPAN)

(SHOWN AT ABUTMENT)

(SHOWN AT PIER)

B-13-924 SB

B-13-924 NB

TYPICAL SECTION MIDDLE BRIDGES

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D SKH

TYPICAL SECTION

SHEET 2
1046

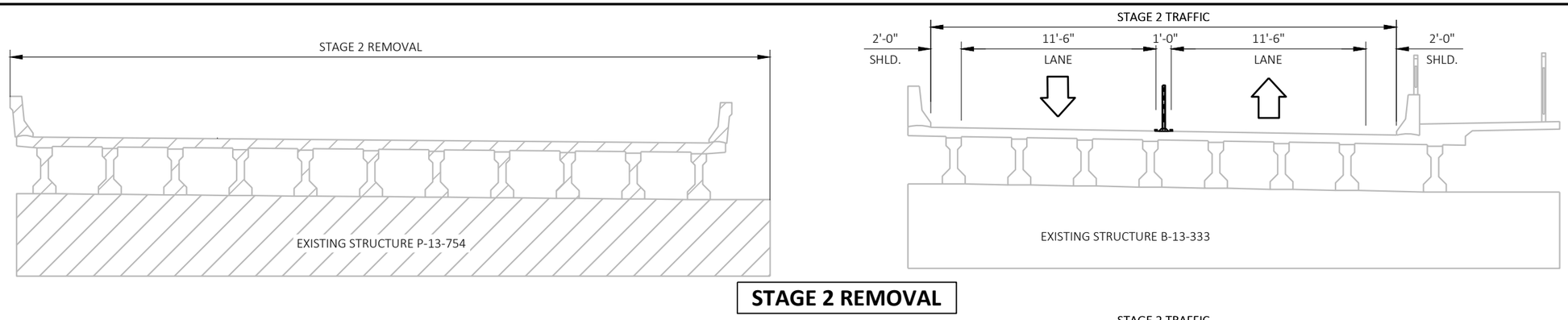
SCALE =

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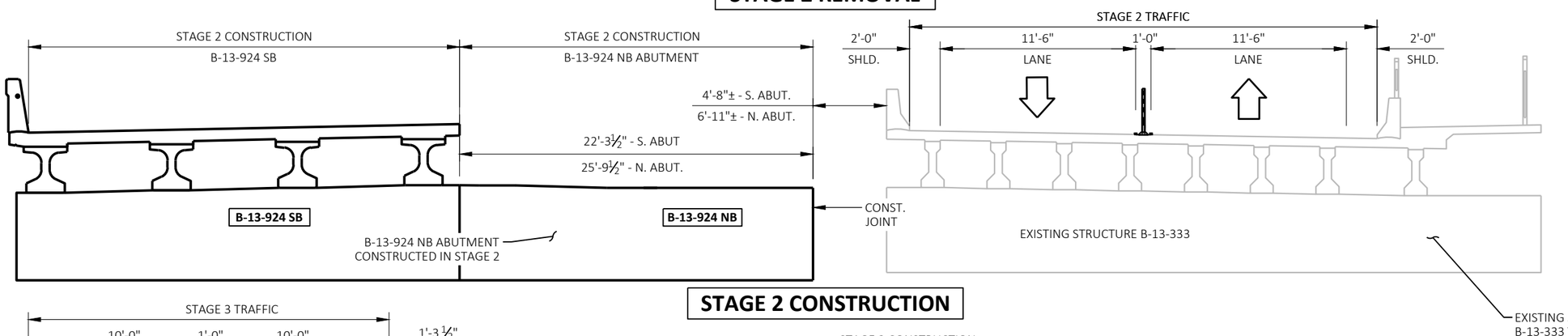
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STATE PROJECT NUMBER

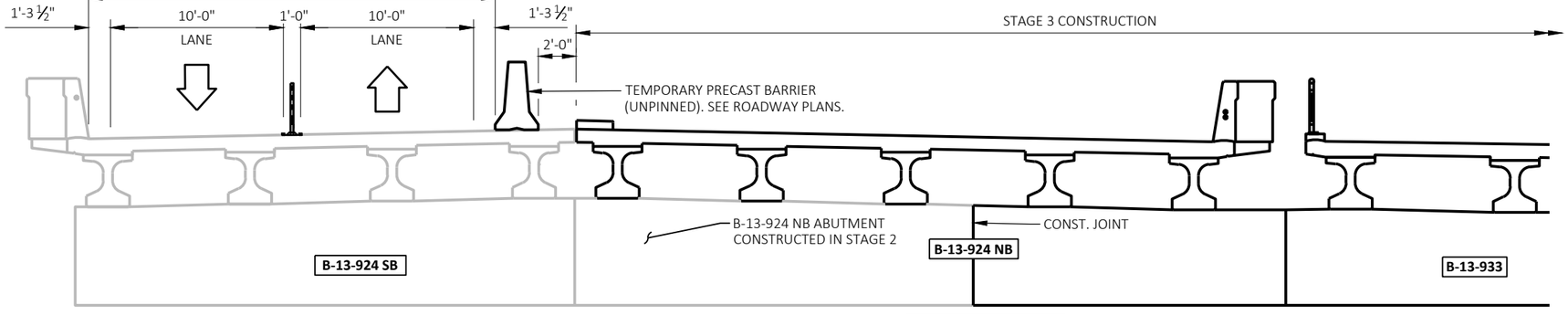
5992-11-25



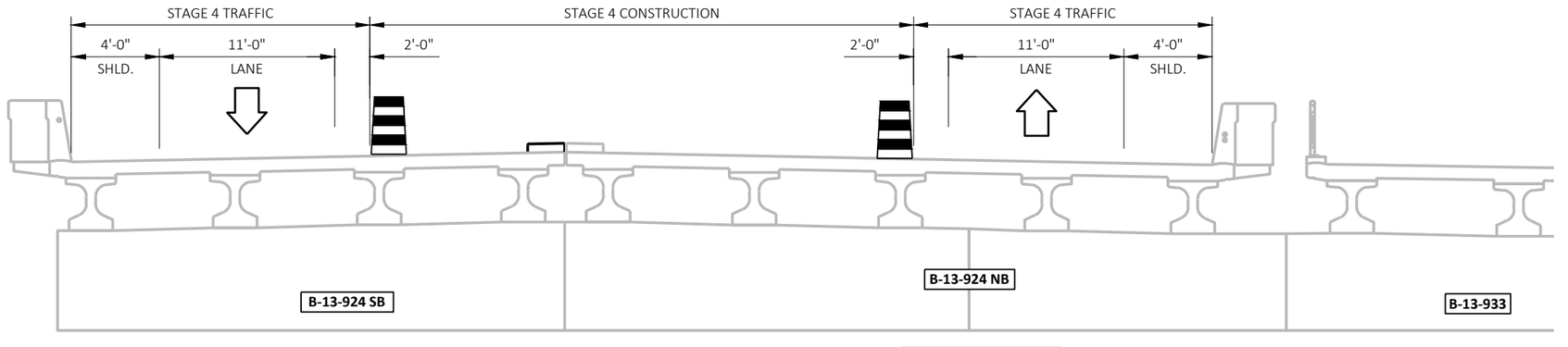
STAGE 2 REMOVAL



STAGE 2 CONSTRUCTION



STAGE 3



STAGE 4

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D SKH

TRAFFIC STAGING DETAIL

SHEET 3
1047

SCALE =

STATE PROJECT NUMBER

5992-11-25

TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	STRUCT. APPR. SLAB	TOTAL
203.0260.02	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-754	EACH	---	---	---	---	---	1
206.1001.02	EXCAVATION FOR STRUCTURES BRIDGES B-13-924 SB	EACH	---	---	---	---	---	1
206.5001.02	COFFERDAMS B-13-924 SB	EACH	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	100	---	100	---	---	200
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	95	---	95	---	---	190
501.1000.S	ICE HOT WEATHER CONCRETING	LB	230	85	230	1,545	590	2,680
502.0100	CONCRETE MASONRY BRIDGES	CY	30.8	11.0	30.9	---	16.0	89
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	557	124	681
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	86	20	106
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	---	---	---	234	30	264
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	691	---	691
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,850	4,880	1,850	---	---	8,580
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	760	---	760	45,940	13,540	61,000
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	1,020	---	1,020
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	4	8	4	---	---	16
506.4000.02	STEEL DIAPHRAGMS B-13-924 SB	EACH	---	---	---	12	---	12
509.5100.S	POLYMER OVERLAY	SY	---	---	---	504	---	504
511.1200.02	TEMPORARY SHORING B-13-924 SB	SF	114	---	114	---	---	228
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	---	7	---	---	15
517.1010.S.02	CONCRETE STAINING B-13-924 SB	SF	172	232	173	1,638	140	2,355
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	---	---	---	1	---	1
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	600	---	660	---	---	1,260
606.0300	RIPRAP HEAVY	CY	50	---	65	---	---	115
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	59	---	55	---	---	114
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	24	---	24	---	---	48
645.0120	GEOTEXTILE TYPE HR	SY	97	---	121	---	---	218
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	---	---	---	24	---	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	---	---	---	413	---	413
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	---	---	---	1	---	1
SPV.0035	HPC MASONRY STRUCTURES	CY	---	---	---	205.8	62.4	268
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	---	---	---	23	---	23
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	525	---	---	---	525
SPV.0165.202	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	176	---	176	---	---	352
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	---	---	---	4,537	1,040	5,577
	NON-BID ITEMS							
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"	1/2"	3/4", 1" & 1 1/2"	

ALL BID ITEMS SHOWN ARE IN CATEGORY 0010

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D SKH

QUANTITIES

SHEET 4

1048

SCALE =

STATE PROJECT NUMBER
5992-11-25

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-924 SB" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIANS
- PARAPETS ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

EXISTING BRIDGE STRUCTURE, P-13-754, A 36" PRESTRESSED GIRDER STRUCTURE. THE STRUCTURE WILL BE REMOVED AND PAID FOR UNDER "REMOVING STRUCTURE P-13-754". THE WIDTH IS 48'-5" OUT TO OUT WITH A BACK OF ABUTMENT TO BACK OF ABUTMENT LENGTH OF 168'-7".

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-924 SB".

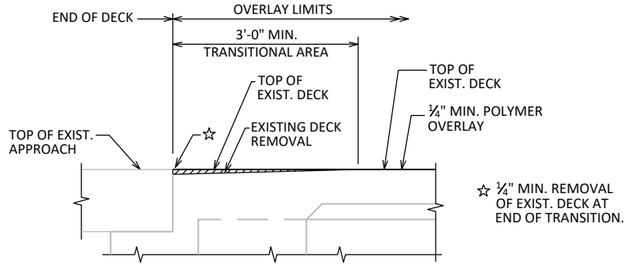
SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO BE PLACED ONLY ON THE DECK. POLYMER OVERLAY IS TO BE PLACED DURING STAGE 4 CONSTRUCTION UTILIZING SINGLE LANE CLOSURES. SEE TRAFFIC CONTROL PLANS.

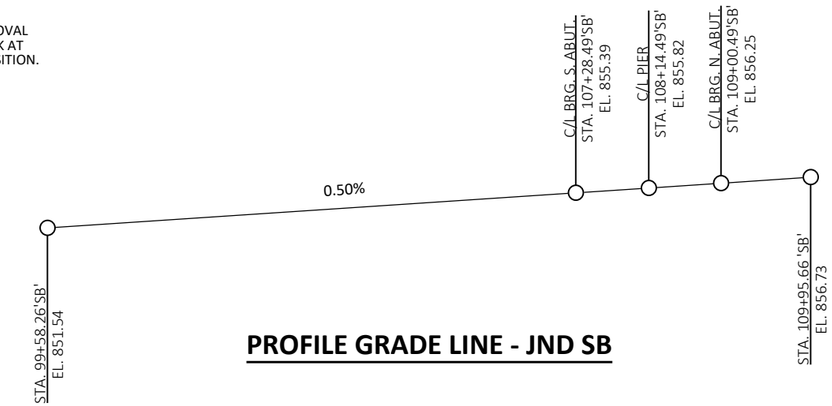
LONGITUDINAL GROOVING IS TO BE PLACED ON THE STRUCTURAL APPROACH SLABS AND THE BRIDGE DECK.

SEE LIGHTING PLANS FOR CONDUIT RIGID NON-METALLIC SCHEDULE 40 4-INCH HANGING FROM THE DECK.

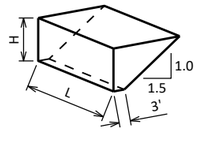
EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED 8'-0" MAX SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION OR FIXED JOINT

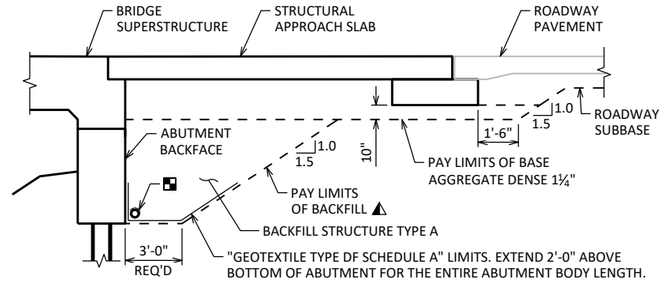


PROFILE GRADE LINE - JND SB



ABUTMENT BACKFILL DIAGRAM

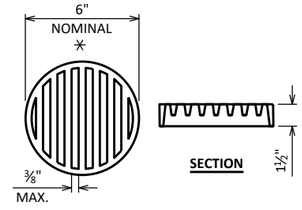
L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



RODENT SHIELD DETAIL

⚹ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D SKH

GENERAL NOTES, PROFILES & DETAILS

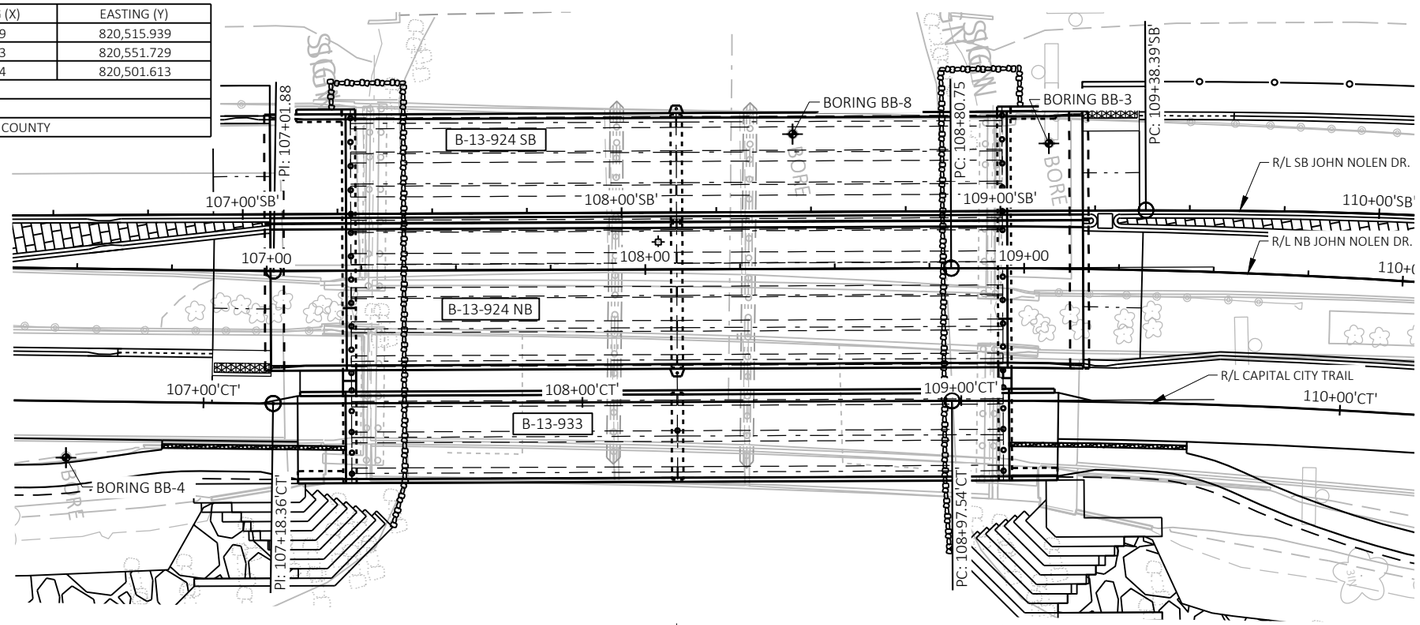
SHEET 5
1049

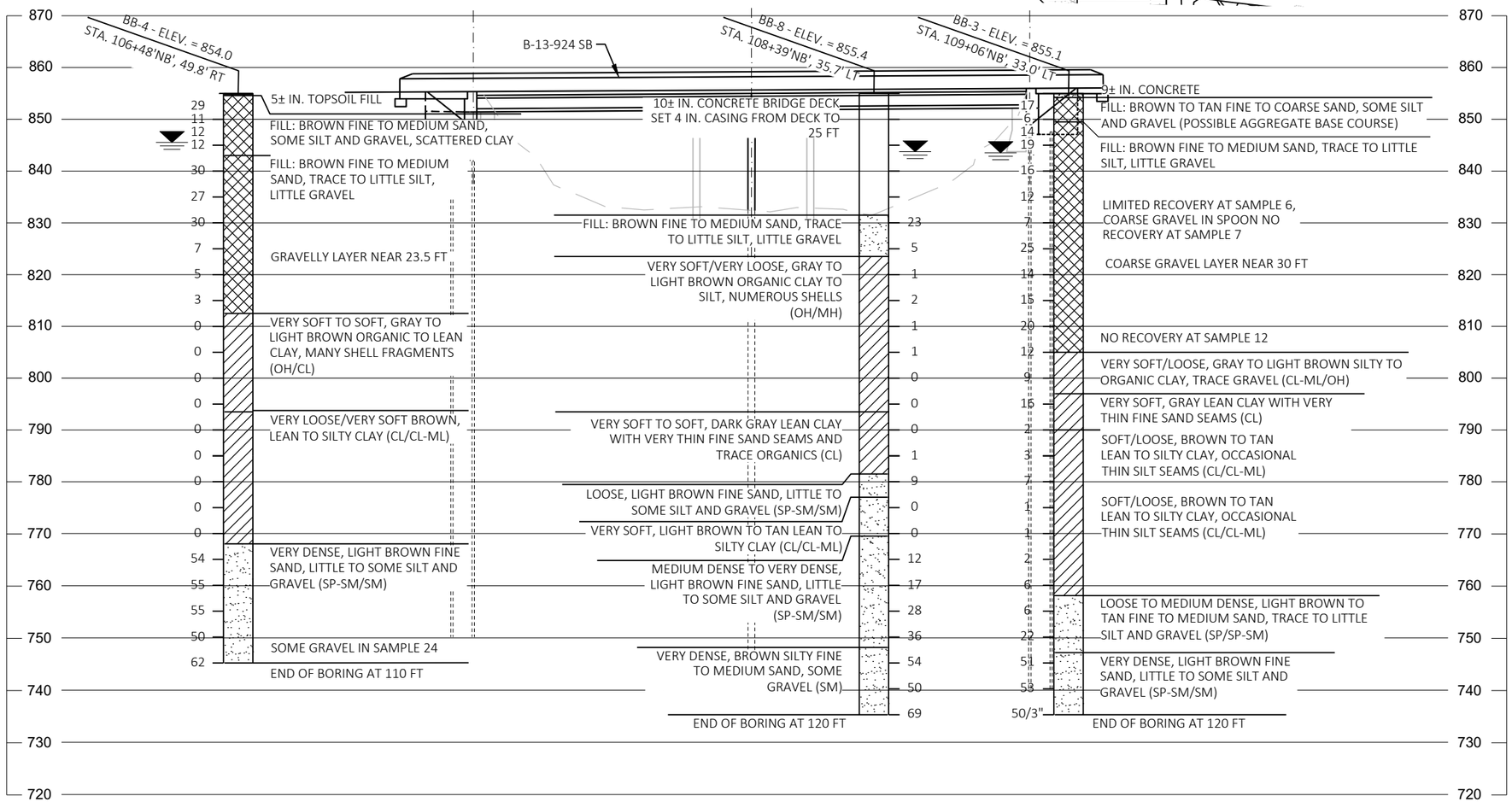
SCALE =

8

8

BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-3	4/23/2023	479,405.809	820,515.939
BORING BB-4	5/15/2023	464,003.963	820,551.729
BORING BB-8	5/10/2023	479,135.654	820,501.613
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





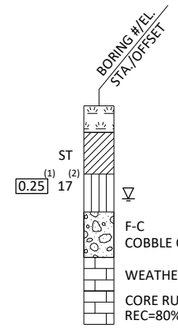
STATE PROJECT NUMBER

5992-11-25

MATERIAL SYMBOLS

ASPHALT · TOPSOIL · PEAT
CONCRETE · FILL · GRAVEL
SAND · CLAY · SILT
BOULDERS OR COBBLES · LIMESTONE · BEDROCK (UNKNOWN)
SHALE · SANDSTONE · IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE · M-MEDIUM · C-COARSE · ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD · PLANS CK'D SKH

SUBSURFACE EXPLORATION

SHEET 6
1050

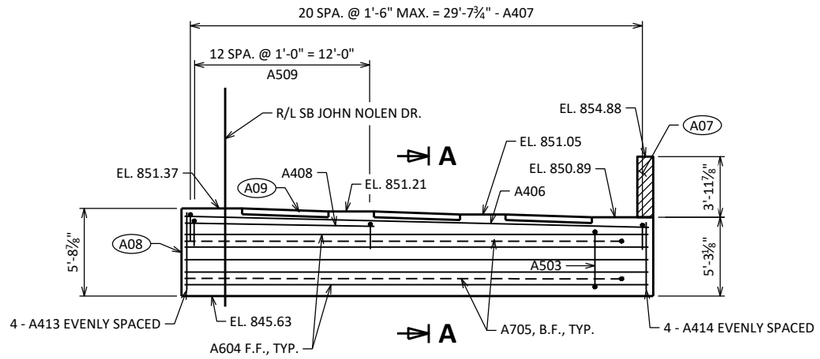
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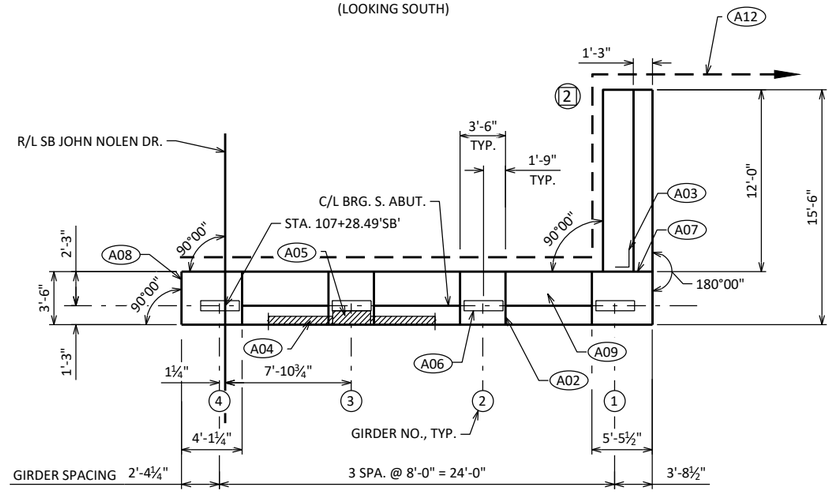
STATE PROJECT NUMBER

5992-11-25

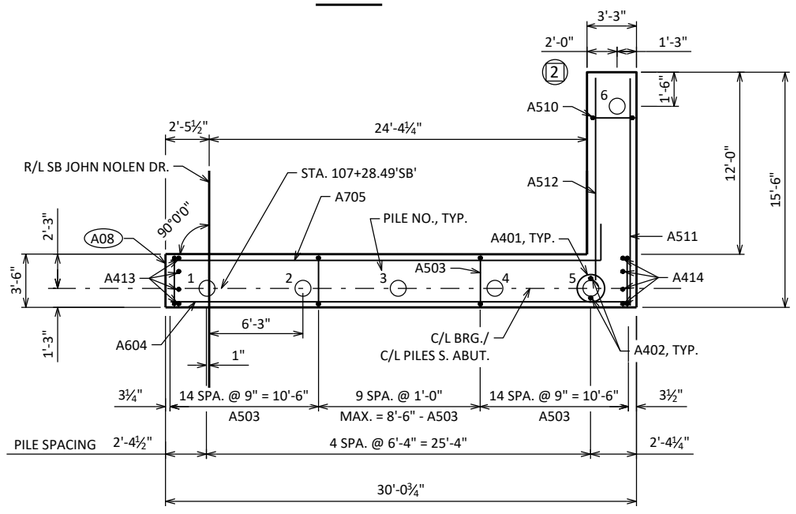


ELEVATION

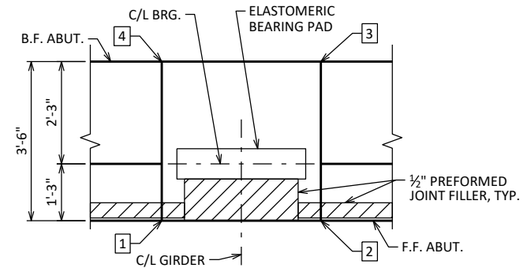
(LOOKING SOUTH)



PLAN



PILE PLAN



SLOPING BEAM SEAT DETAILS

ELEVATION CORRECTION AT POINTS			
1	2	3	4
+0.01	+0.01	-0.02	-0.02

ABUTMENT BEAM SEAT TABLE (A10)

(TYPICAL ALL GIRDERS)

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.

(A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.

(A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.

(A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.

(A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.

(A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO THE TOP OF WING. FILLER INCLUDED IN WING LENGTH.

(A08) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER TO BE INCLUDED WITH B-13-924 NB AND IS NOT INCLUDED IN ABUTMENT LENGTH.

(A09) SLOPE BETWEEN BEAM SEATS, TYP.

(A10) VALUES ARE IN FEET. ADD THESE VALUES TO THE BEAM SEAT ELEVATIONS SHOWN TO OBTAIN ELEVATIONS AT POINTS 1, 2, 3, & 4.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT

SHEET 7
1051

SCALE = 10.0

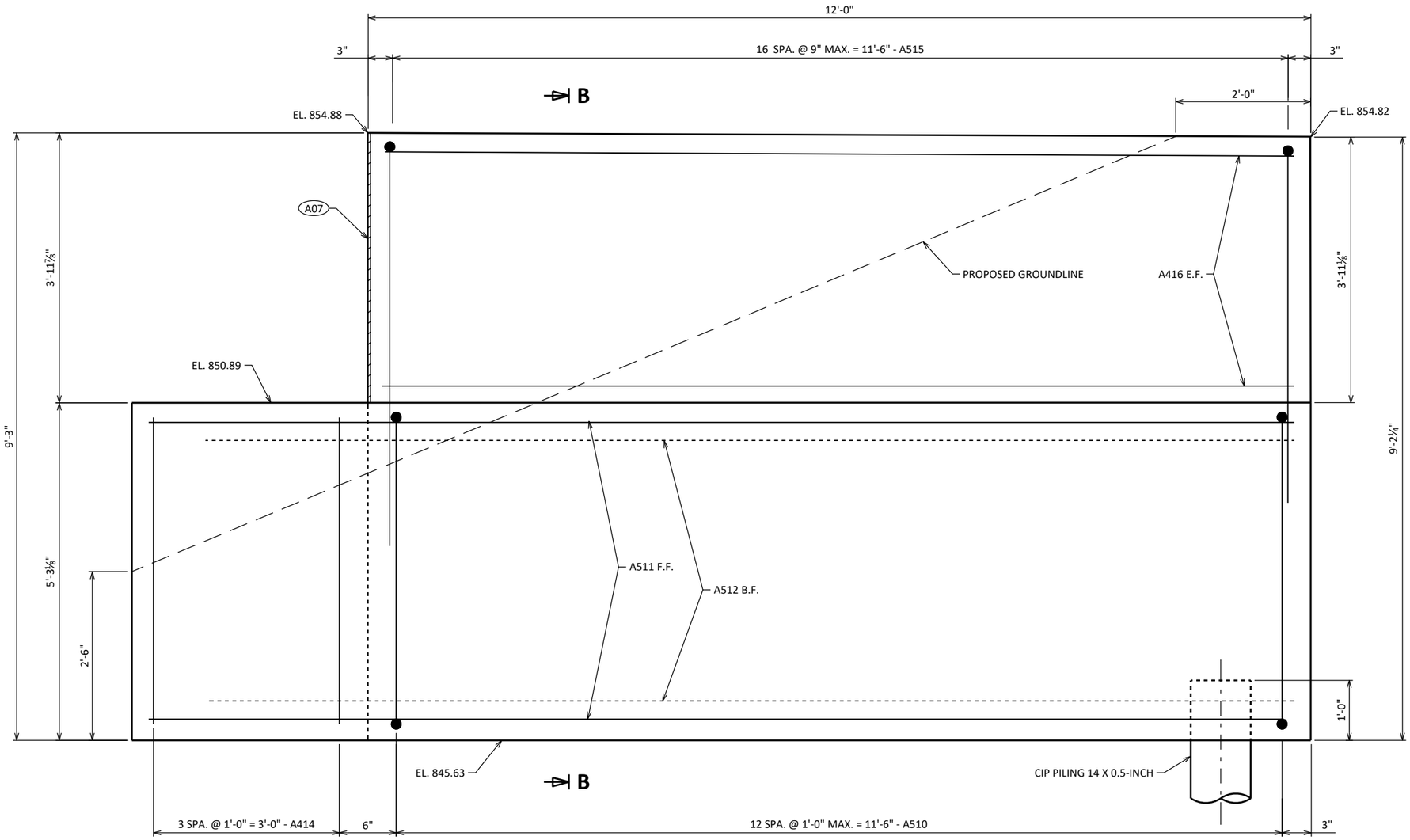
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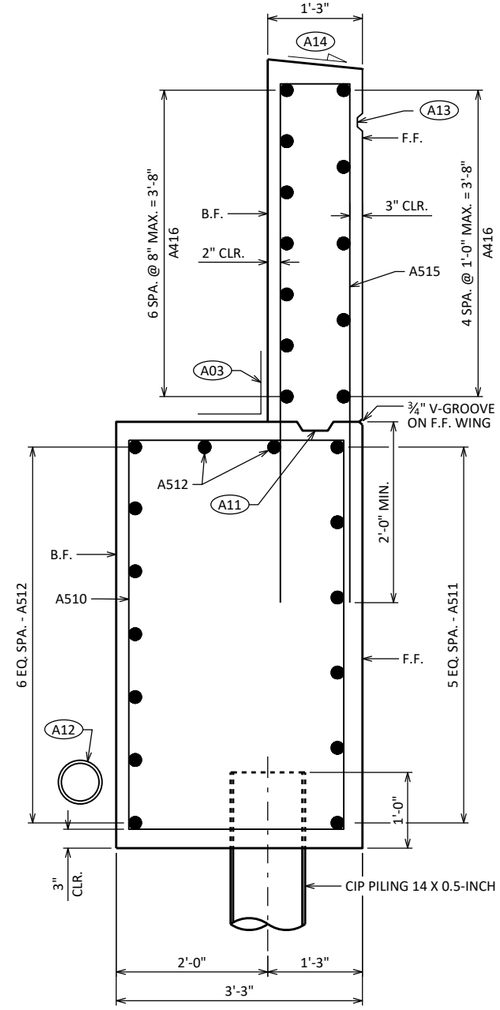
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-25



ELEVATION - WING 2



SECTION B-B

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (A13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (A14) SLOPE TO DRAIN.
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D WAH

SOUTH ABUTMENT WING 2 DETAILS

SHEET 8
1052

SCALE = 2.0

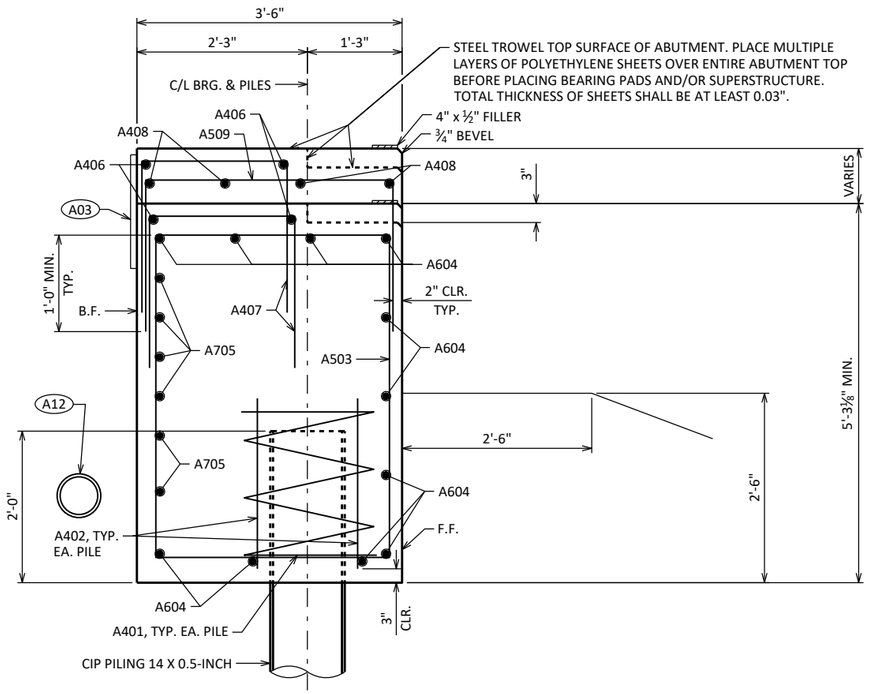
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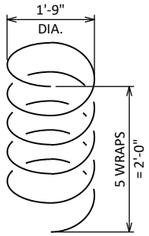
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STATE PROJECT NUMBER

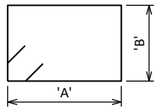
5992-11-25



SECTION A-A

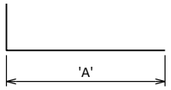


A401



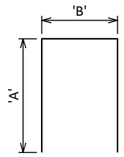
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-7"
A510	2'-11"	4'-10"

A503, A510



BAR MARK	DIMENSION 'A'
A705	27'-9"

A705



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A407	1'-9"	1'-11"
A509	1'-6"	3'-2"
A515	5'-10"	10"

A407, A509, A515

BILL OF BARS

TOTAL COATED = 760 LBS.

TOTAL UNCOATED = 1,850 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
A401	5	28'-0"		X	ABUT. BODY PILES
A402	10	2'-3"			ABUT. BODY PILES
A503	38	16'-2"		X	ABUT. BODY STIRRUP
A604	11	29'-9"			ABUT. BODY LONGIT. F.F.
A705	6	28'-9"		X	ABUT. BODY LONGIT. B.F.
A406	2	29'-9"			ABUT. BODY LONGIT. B.F.
A407	21	5'-3"		X	ABUT. BODY VERT. STIRRUP
A408	4	12'-0"			ABUT. BODY LONGIT.
A509	13	5'-11"		X	ABUT. BODY VERT. STIRRUP
A510	13	16'-2"	X	X	WING 2 LOWER STIRRUP
A511	6	15'-1"	X		WING 2 LOWER LONGIT. F.F.
A512	9	13'-7"	X		WING 2 LOWER LONGIT. B.F. & TOP
A413	4	5'-3"			ABUT. BODY VERT. E. END
A414	4	4'-10"			ABUT. BODY VERT. W. END
A515	17	12'-3"	X	X	WING 2 UPPER VERT.
A416	12	11'-7"	X		WING 2 UPPER LONGIT. E.F.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

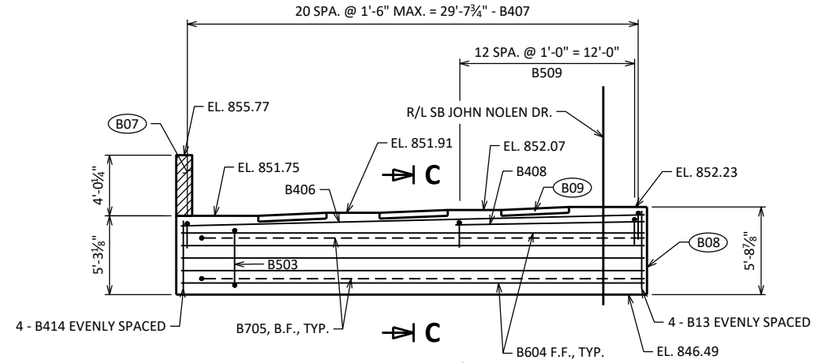
DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT DETAILS

SHEET 9
1053

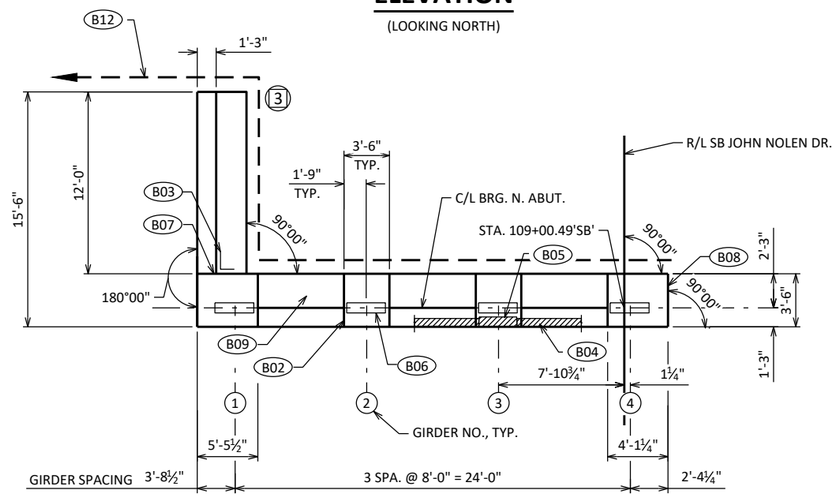
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LAYOUT NAME - SHT2C

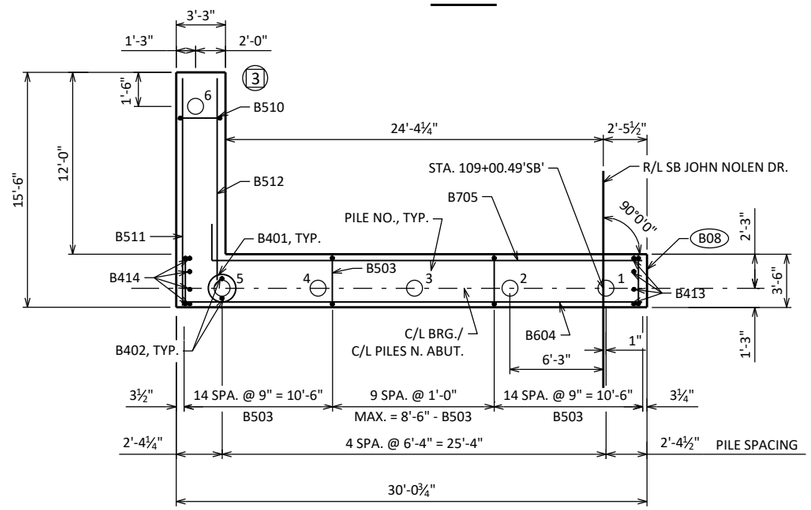


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

NOTES

FOR SECTION C-C SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 110 FT.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO THE TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B08) 1" FILLER FROM BOTTOM TO SEAT OF ABUTMENT. FILLER TO BE INCLUDED WITH B-13-924 NB AND IS NOT INCLUDED IN ABUTMENT LENGTH.
- (B09) SLOPE BETWEEN BEAM SEATS, TYP.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

STATE PROJECT NUMBER

5992-11-25

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT

SHEET 10
1054

SCALE = 10.0

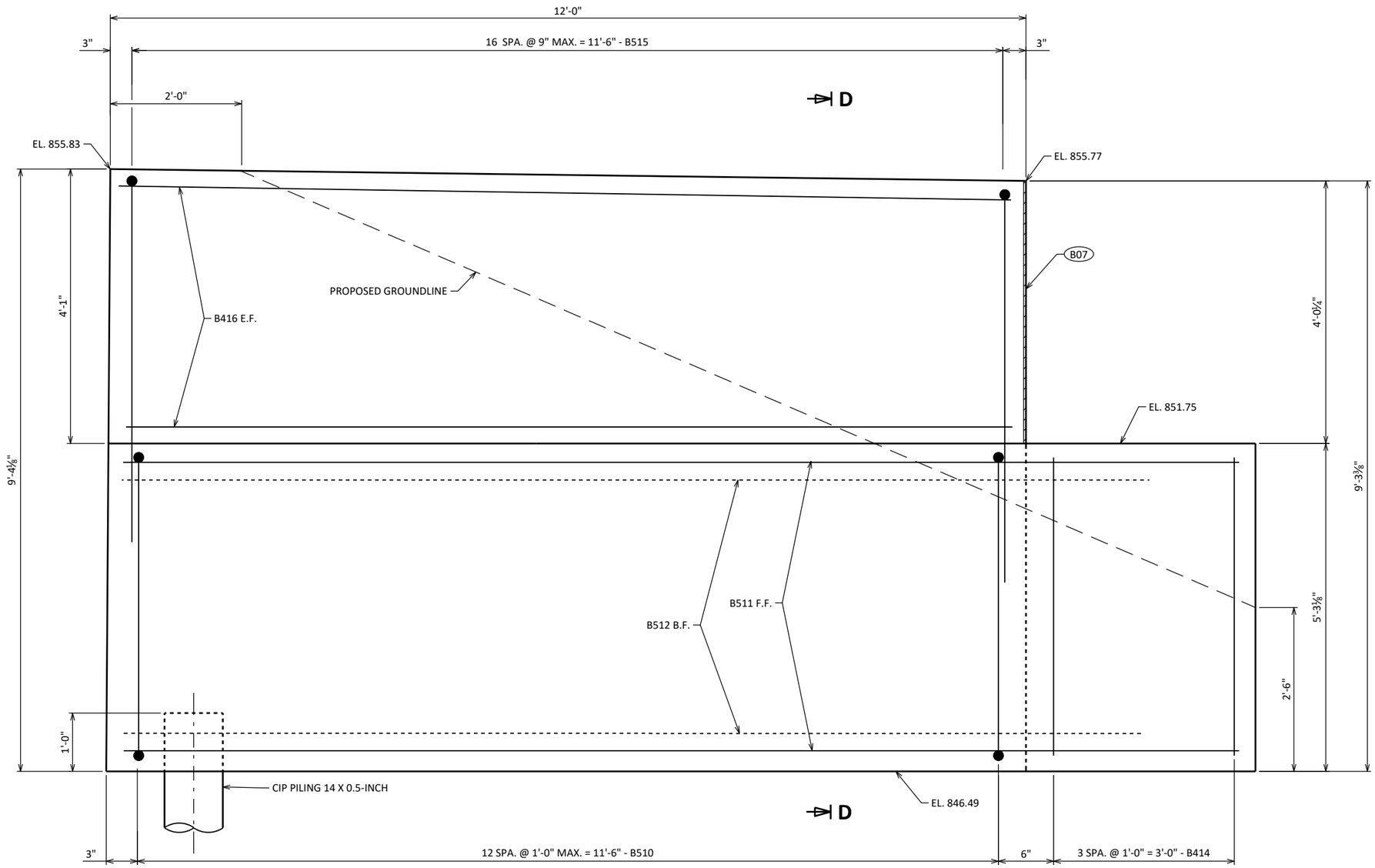
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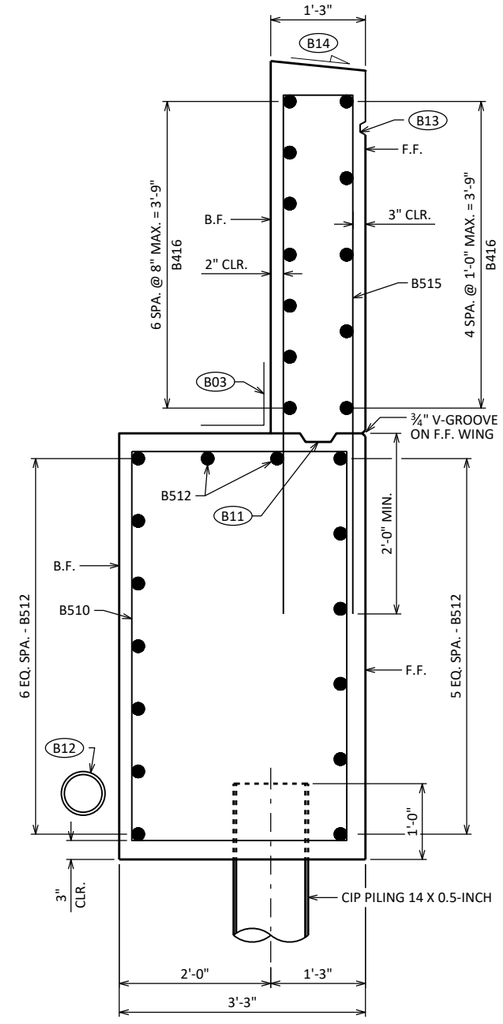
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-25



ELEVATION - WING 3



SECTION D-D

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (B13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (B14) SLOPE TO DRAIN
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY STD | PLANS CK'D WAH

NORTH ABUTMENT WING 3 DETAILS

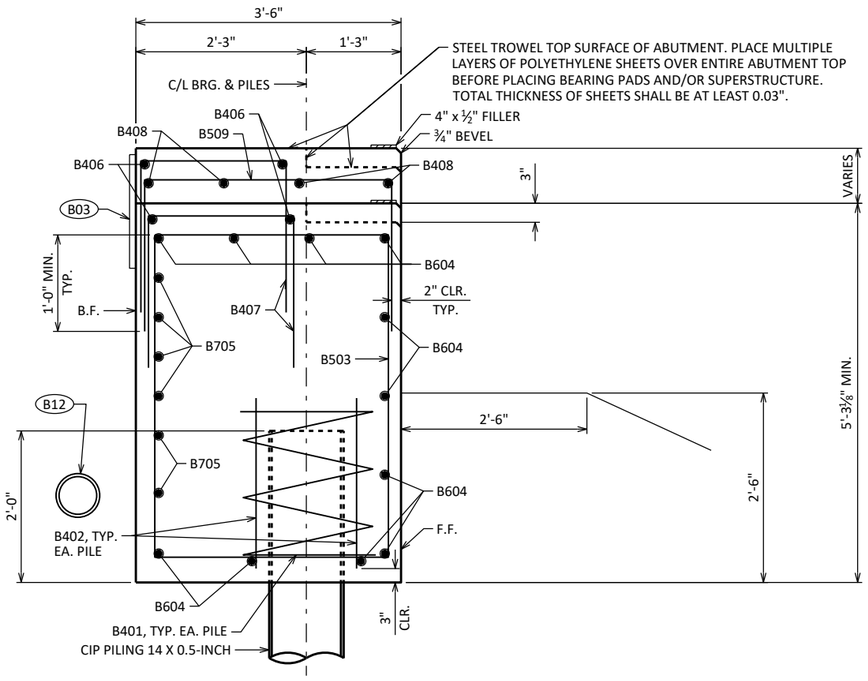
SHEET 11
1055

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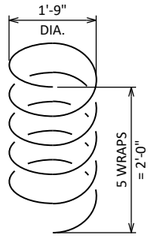
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

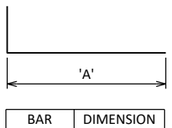
5992-11-25



SECTION C-C

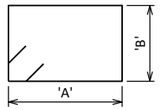


B401



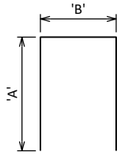
BAR MARK	DIMENSION 'A'
B705	27'-11"

B705



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-7"
B510	2'-11"	4'-10"

B503, B510



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B407	1'-9"	1'-11"
B509	1'-6"	3'-2"
B515	5'-11"	10"
B417	2'-2"	9"

B407, B509, B515, B417

BILL OF BARS

TOTAL COATED = 760 LBS.

TOTAL UNCOATED = 1,850 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
B401	5	28'-0"		X	ABUT. BODY PILES
B402	10	2'-3"			ABUT. BODY PILES
B503	38	16'-2"		X	ABUT. BODY STIRRUP
B604	11	29'-9"			ABUT. BODY LONGIT. F.F.
B705	6	28'-9"		X	ABUT. BODY LONGIT. B.F.
B406	2	29'-9"			ABUT. BODY LONGIT. B.F.
B407	21	5'-3"		X	ABUT. BODY VERT. STIRRUP
B408	4	12'-0"			ABUT. BODY LONGIT.
B509	13	5'-11"		X	ABUT. BODY VERT. STIRRUP
B510	13	16'-2"	X	X	WING 3 LOWER STIRRUP
B511	6	15'-1"	X		WING 3 LOWER LONGIT. F.F.
B512	9	13'-7"	X		WING 3 LOWER LONGIT. B.F. & TOP
B413	4	5'-3"			ABUT. BODY VERT. E. END
B414	4	4'-10"			ABUT. BODY VERT. W. END
B515	17	12'-5"	X	X	WING 3 UPPER VERT.
B416	12	11'-7"	X		WING 3 UPPER LONGIT. E.F.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT DETAILS

SHEET 12
1056

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080211_AB.DWG
LAYOUT NAME - SHT2C

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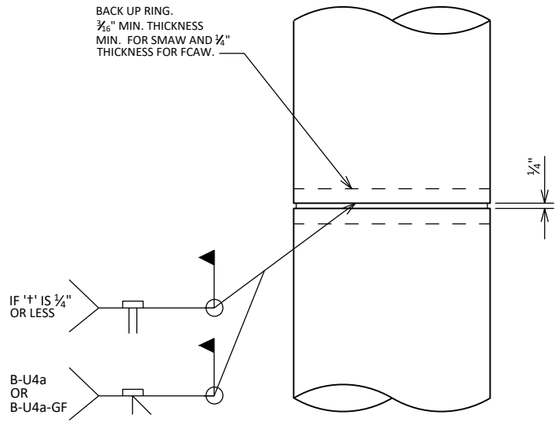
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STATE PROJECT NUMBER

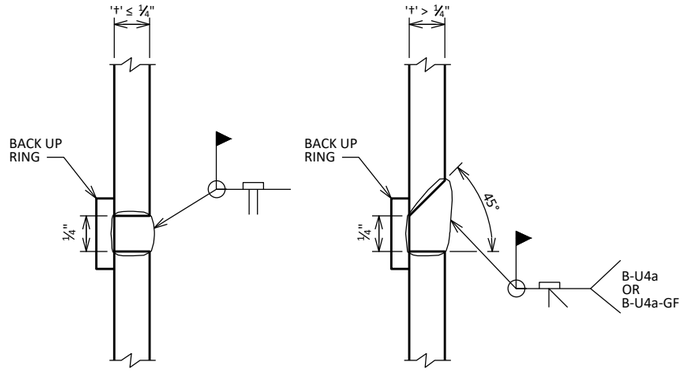
5992-11-25

LEGEND

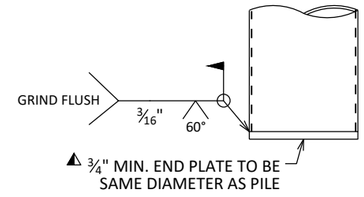
⚠ THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILITY ANALYSIS PREFORMED BY THE CONTRACTOR. ¾" MIN. REQUIRED.



CAST-IN-PLACE 'PILE PIPE'



CIP PILE WELD DETAIL



END PLATE DETAIL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

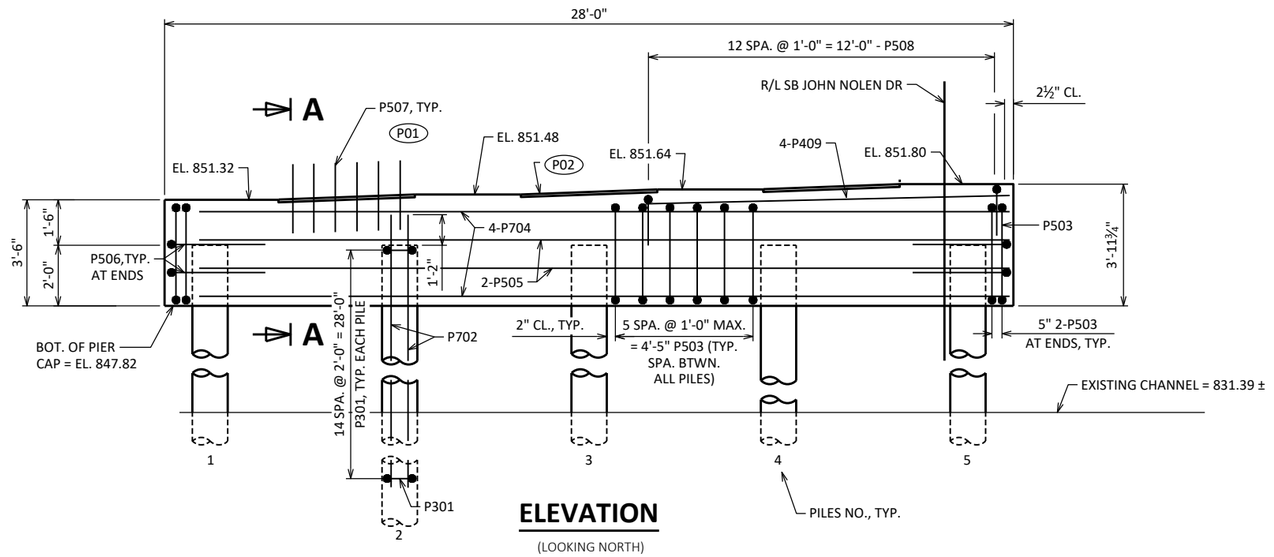
SUBSTRUCTURE DETAILS

SHEET 13
1057

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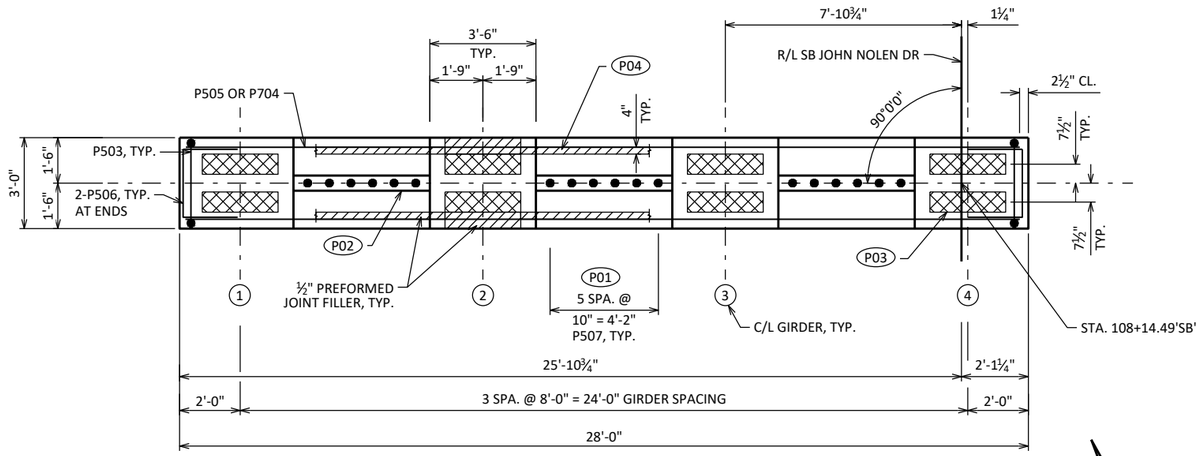
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LAYOUT NAME - ABUTMENT DETAILS

STATE PROJECT NUMBER
5992-11-25

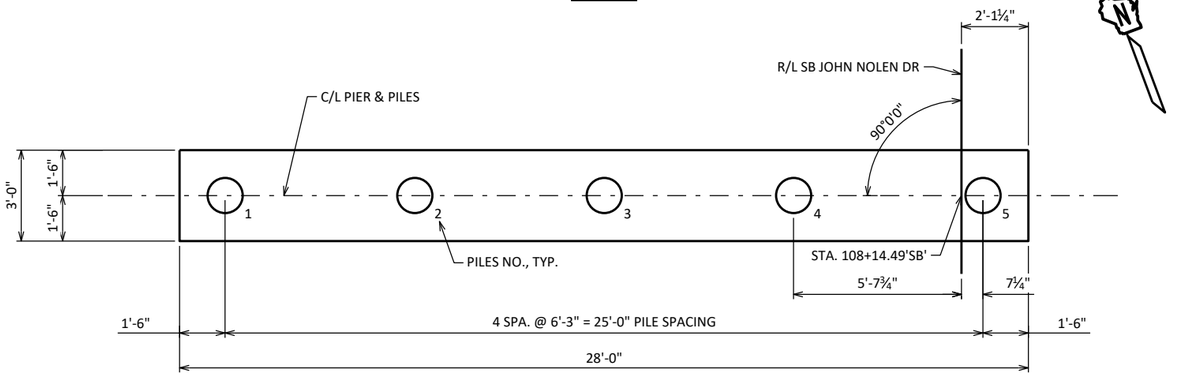


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTED BETWEEN EXTERIOR GIRDERS.
- (#) INDICATES GIRDER NUMBER
- ◯ 18 x 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 390 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

PIER

SHEET 14
1058

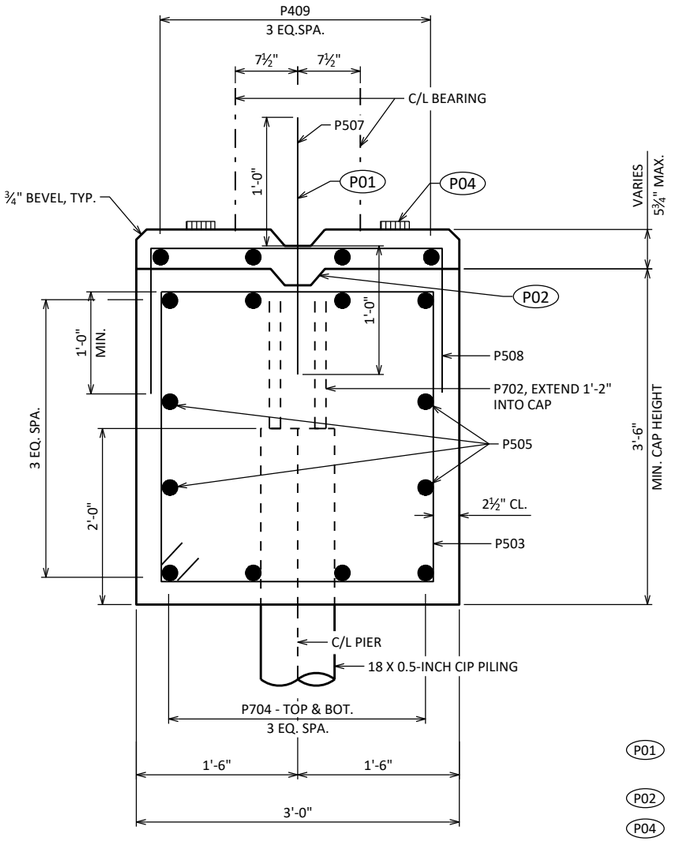
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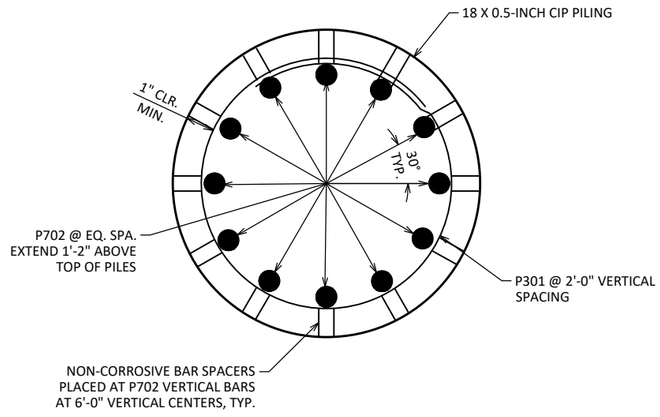
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STATE PROJECT NUMBER

5992-11-25



SECTION A-A



SECTION THRU CONCRETE CAST-IN-PLACE PILING

LEGEND

(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6" BETWEEN SEATS.

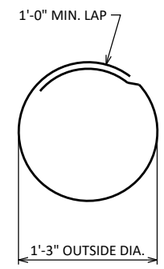
(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.

BILL OF BARS TOTAL UNCOATED = 4,880 LBS.

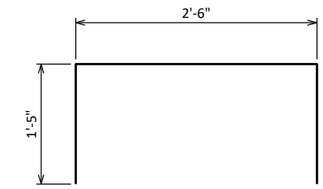
BAR MARK	NO. REQ'D	LENGTH	BENT	LOCATION
P301	75	5'-0"	X	PILES - TIES
P702	60	29'-9"		PILES - LONGITUDINAL
P503	28	12'-0"	X	CAP - STIRRUPS
P704	8	27'-7"		CAP - HORIZ. - TOP & BOT.
P505	4	27'-7"		CAP - HORIZ. - SIDES
P506	4	5'-1"	X	CAP - STIRRUPS - ENDS
P507	18	2'-0"		CAP - VERT. - TIES TO DIAPHRAGM
P508	13	5'-6"	X	CAP - STIRRUPS - TOP
P409	4	12'-0"		CAP - HORIZ. - TOP

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

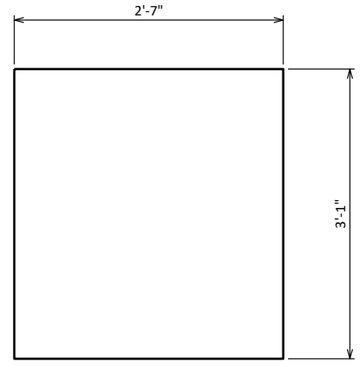
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



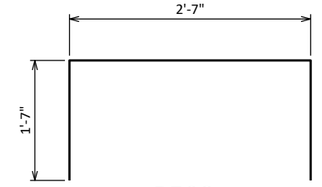
P301



P506



P503



P508

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

PIER DETAILS

SHEET 15
1059

SCALE = 4.0

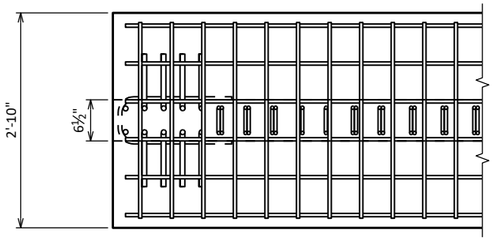
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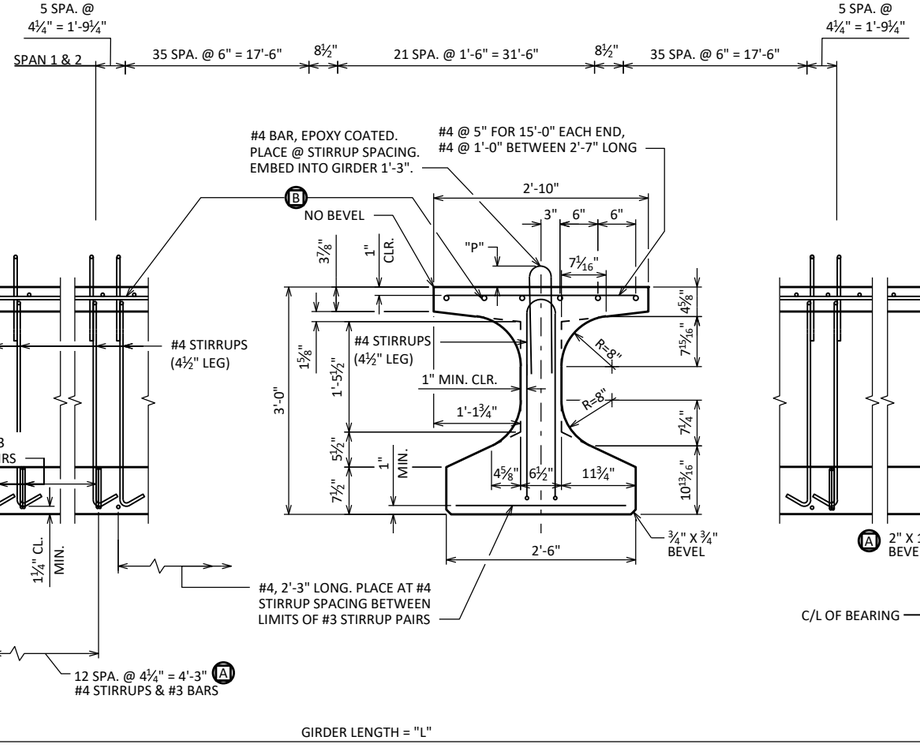
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LAYOUT NAME - SHT2C

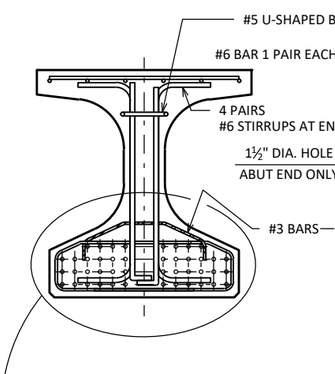
STATE PROJECT NUMBER

5992-11-25

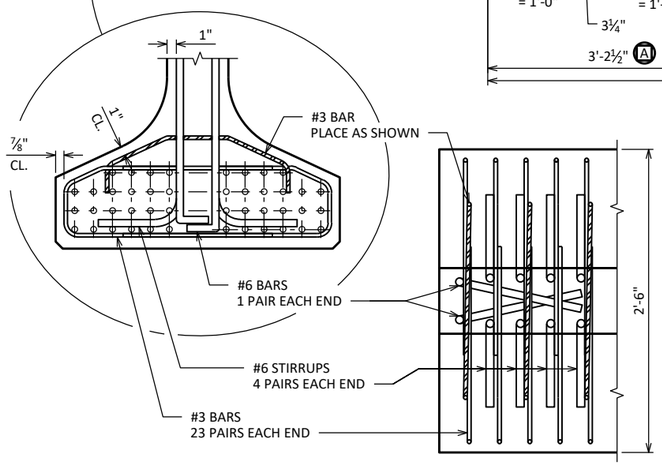


TOP FLANGE





SECTION A-A

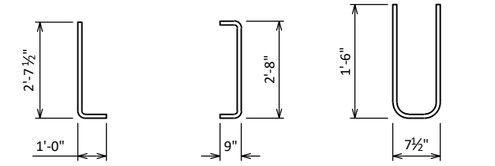


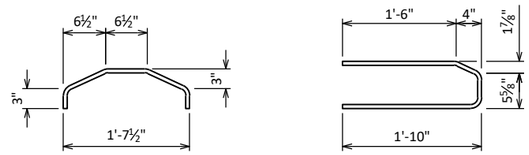
BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2





NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

✳ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

✳✳ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ✳✳										CONC. STRGTH. f'_c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10			1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER		TOTAL NO. OF STRANDS	f'_{ci} (P.S.I.) ✳	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'_{ci} (P.S.I.) ✳
1 & 2	2,3	86'-4½"	⅝"	1⅛"	1½"	1¾"	1⅞"	1¾"	1½"	1⅛"	⅝"		8,000	8"	7"	8"	0.6	28	6,800	32	11	14	4	---	---
1 & 2	1,4	86'-4½"	½"	1"	1¼"	1½"	1⅝"	1½"	1¼"	⅞"	½"		8,000	8"	7"	8"	0.6	28	6,800	32	11	14	4	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER

SHEET 16
1060

SCALE = 2.0

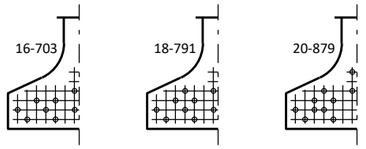
8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080215_GR.DWG
LAYOUT NAME - 36W PS GIRDER

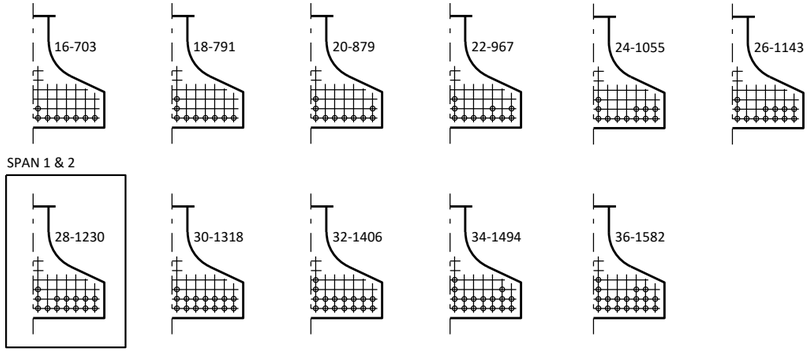
STATE PROJECT NUMBER

5992-11-25



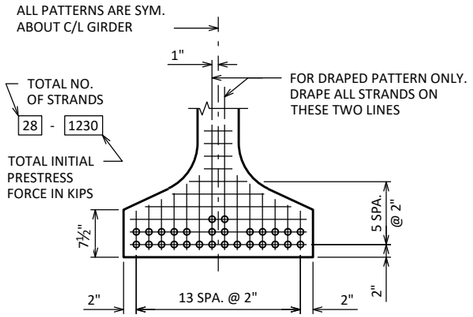
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

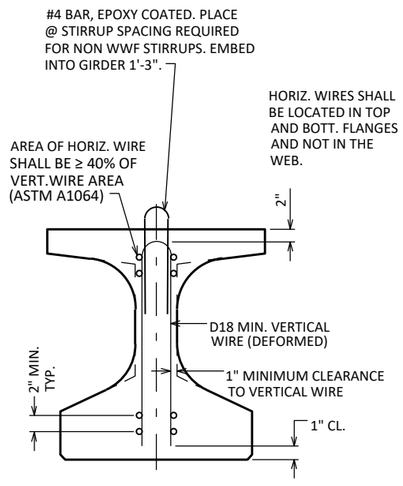


ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS

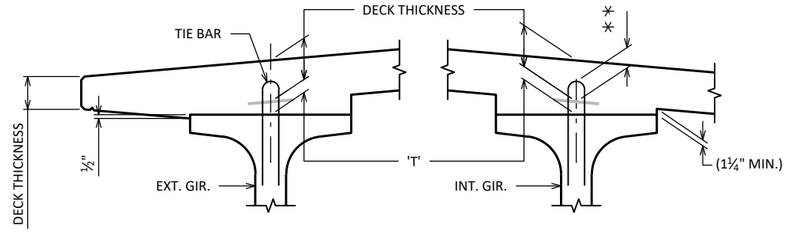


TYP. STRAND PATTERN



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE

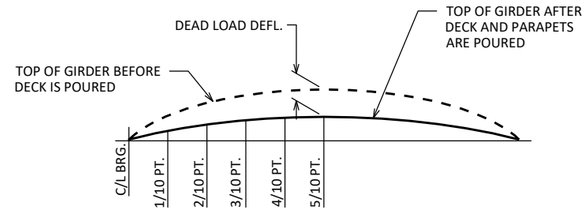
⁎ GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁎⁎ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

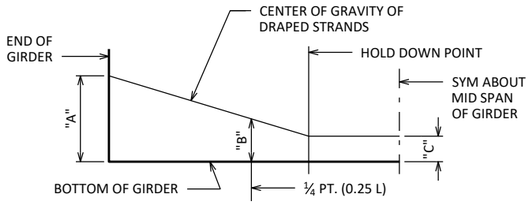
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

	TOP OF DECK ELEV. AT FINAL GRADE
-	TOP OF GIRDER ELEVATION
+	DEAD LOAD DEFLECTION
-	DECK THICKNESS
=	HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3½" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".



CAMBER AND DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

⁎ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	DRAPED PATTERN CAMBER (IN.) ⁎
1 & 2	3.16

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER DETAILS

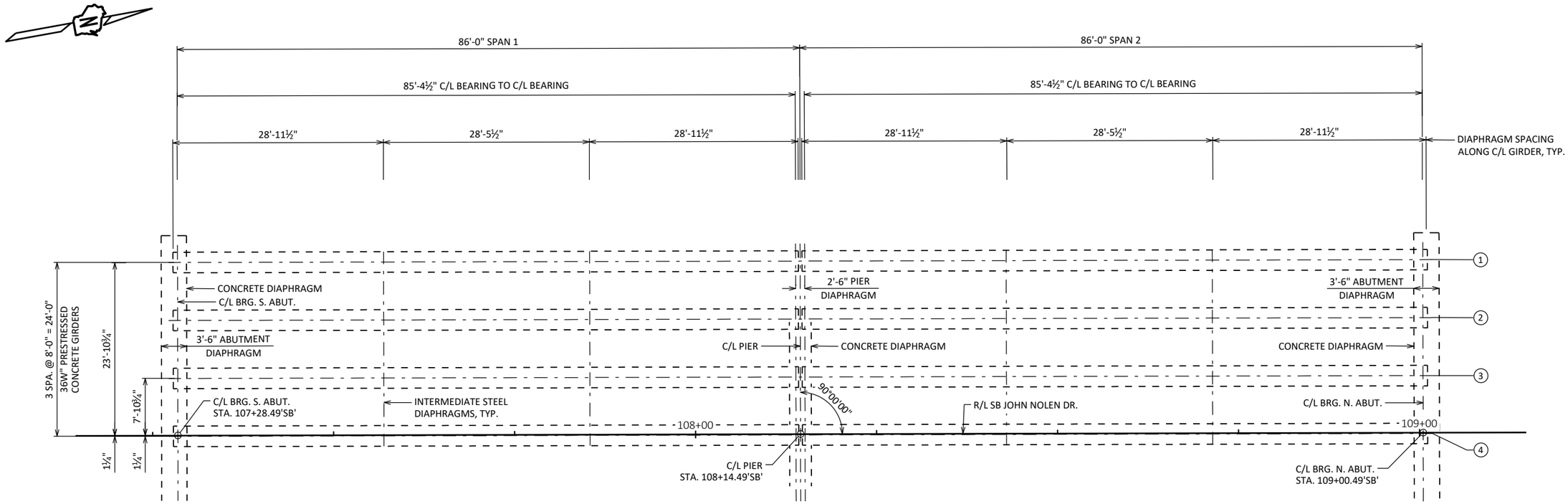
SHEET 17
1061

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080216_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER

B-13-924 SB



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
STATION	107+28.49	107+37.09	107+45.69	107+54.29	107+62.89	107+71.49	107+80.09	107+88.69	107+97.29	108+05.89	108+14.49
WEST EDGE OF DECK	854.89	854.94	854.98	855.02	855.07	855.11	855.15	855.19	855.24	855.28	855.32
GIRDER 1	854.91	854.96	855.00	855.04	855.09	855.13	855.17	855.21	855.26	855.30	855.34
GIRDER 2	855.07	855.12	855.16	855.20	855.25	855.29	855.33	855.37	855.42	855.46	855.50
GIRDER 3	855.23	855.28	855.32	855.36	855.41	855.45	855.49	855.53	855.58	855.62	855.66
R/L	855.39	855.44	855.48	855.52	855.57	855.61	855.65	855.69	855.74	855.78	855.82
GIRDER 4	855.39	855.44	855.48	855.52	855.57	855.61	855.65	855.69	855.74	855.78	855.82
EAST EDGE OF DECK	855.41	855.46	855.50	855.54	855.59	855.63	855.67	855.71	855.76	855.80	855.84

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
STATION	108+14.49	108+23.09	108+31.69	108+40.29	108+48.89	108+57.49	108+66.09	108+74.69	108+83.29	108+91.89	109+00.49
WEST EDGE OF DECK	855.32	855.37	855.41	855.45	855.50	855.54	855.58	855.62	855.67	855.71	855.75
GIRDER 1	855.34	855.39	855.43	855.47	855.52	855.56	855.60	855.64	855.69	855.73	855.77
GIRDER 2	855.50	855.55	855.59	855.63	855.68	855.72	855.76	855.80	855.85	855.89	855.93
GIRDER 3	855.66	855.71	855.75	855.79	855.84	855.88	855.92	855.96	856.01	856.05	856.09
R/L	855.82	855.87	855.91	855.95	856.00	856.04	856.08	856.12	856.17	856.21	856.25
GIRDER 4	855.82	855.87	855.91	855.95	856.00	856.04	856.08	856.12	856.17	856.21	856.25
EAST EDGE OF DECK	855.84	855.89	855.93	855.97	856.02	856.06	856.10	856.14	856.19	856.23	856.27

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

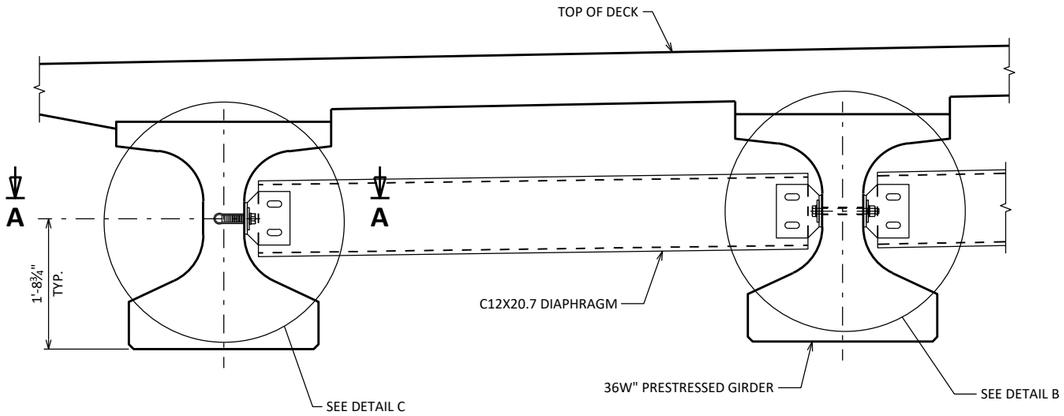
DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE FRAMING PLAN

SHEET 18
1062

STATE PROJECT NUMBER

5992-11-25



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

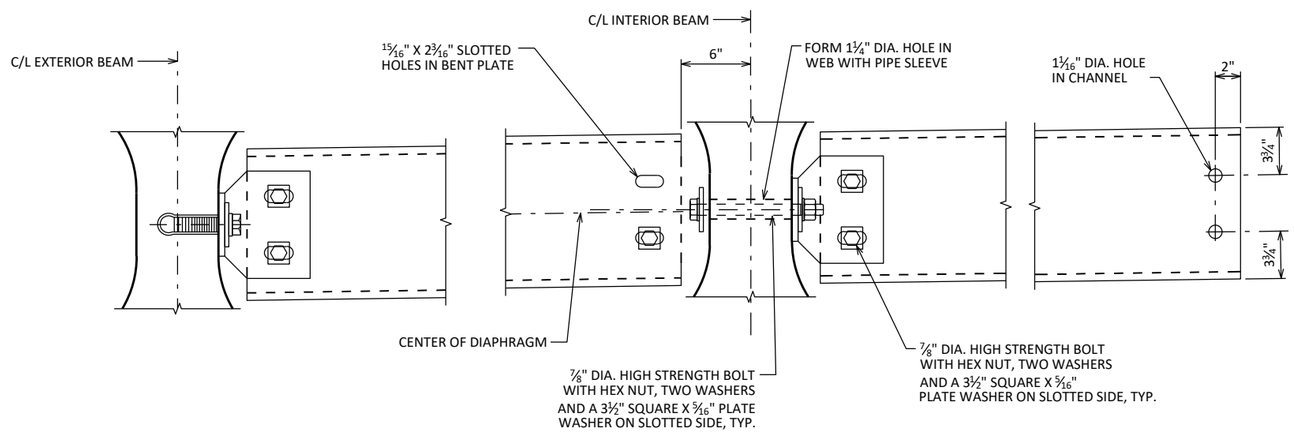
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-924 SB", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

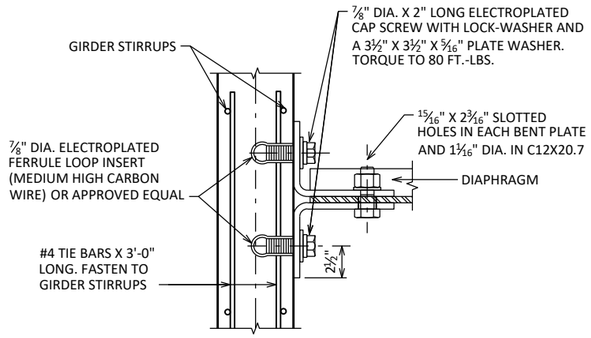
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

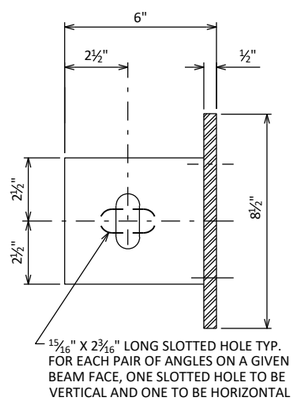
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



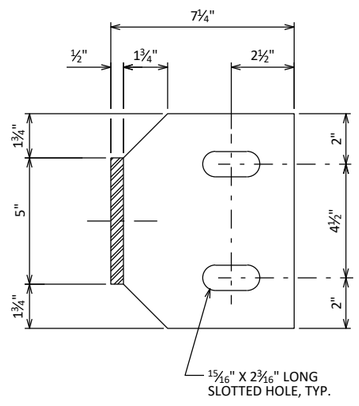
DETAIL C **DETAIL B**



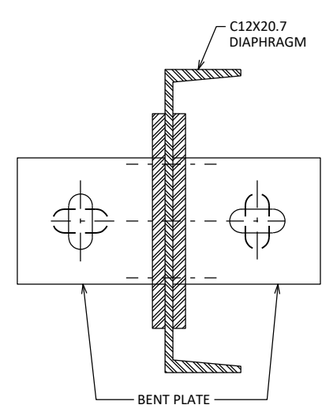
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

STEEL DIAPHRAGM

SHEET 19
1063

SCALE = 2.0

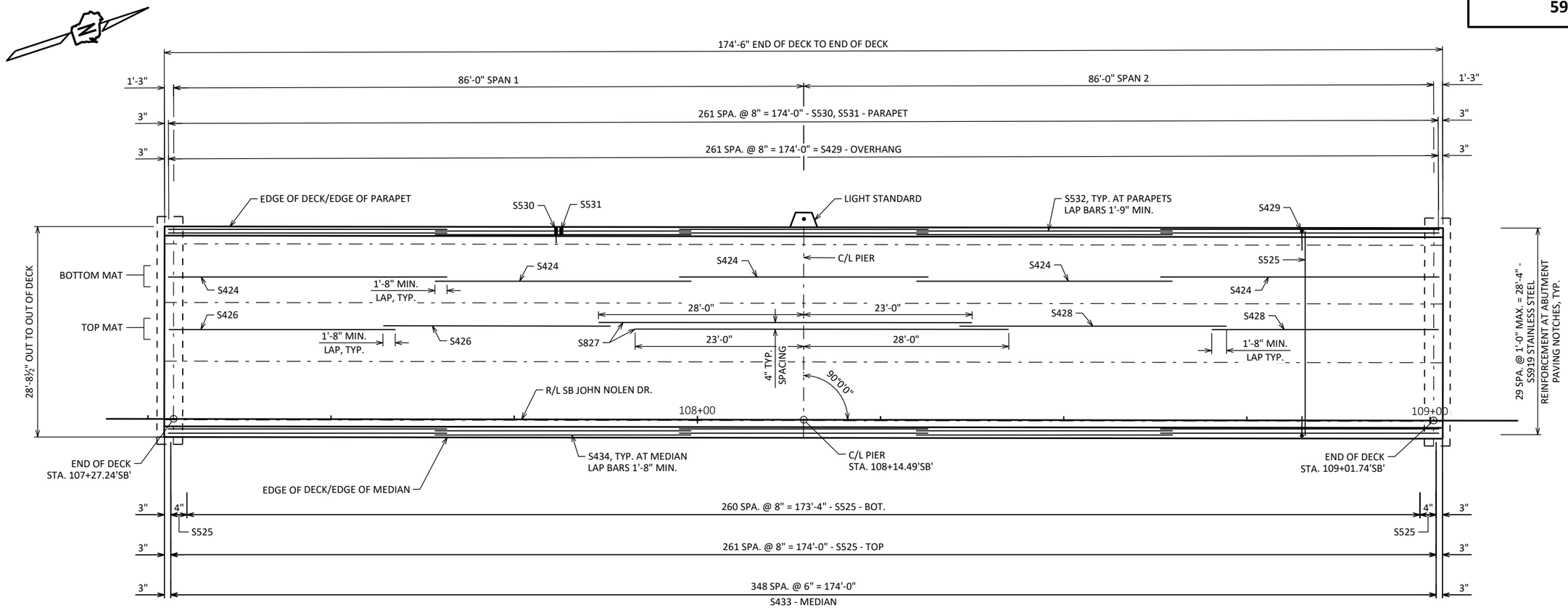
8

8

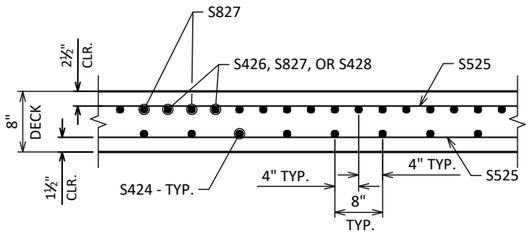
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080218_SD.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

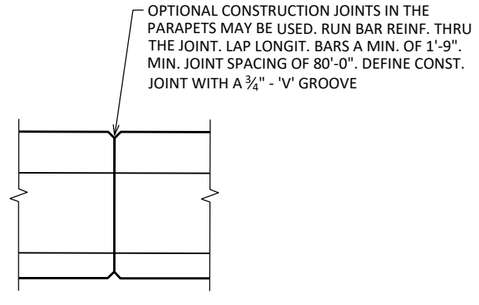
5992-11-25



DECK PLAN



CROSS SECTION THRU DECK AT PIER



SECTION THRU PARAPET ON DECK

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE PLAN

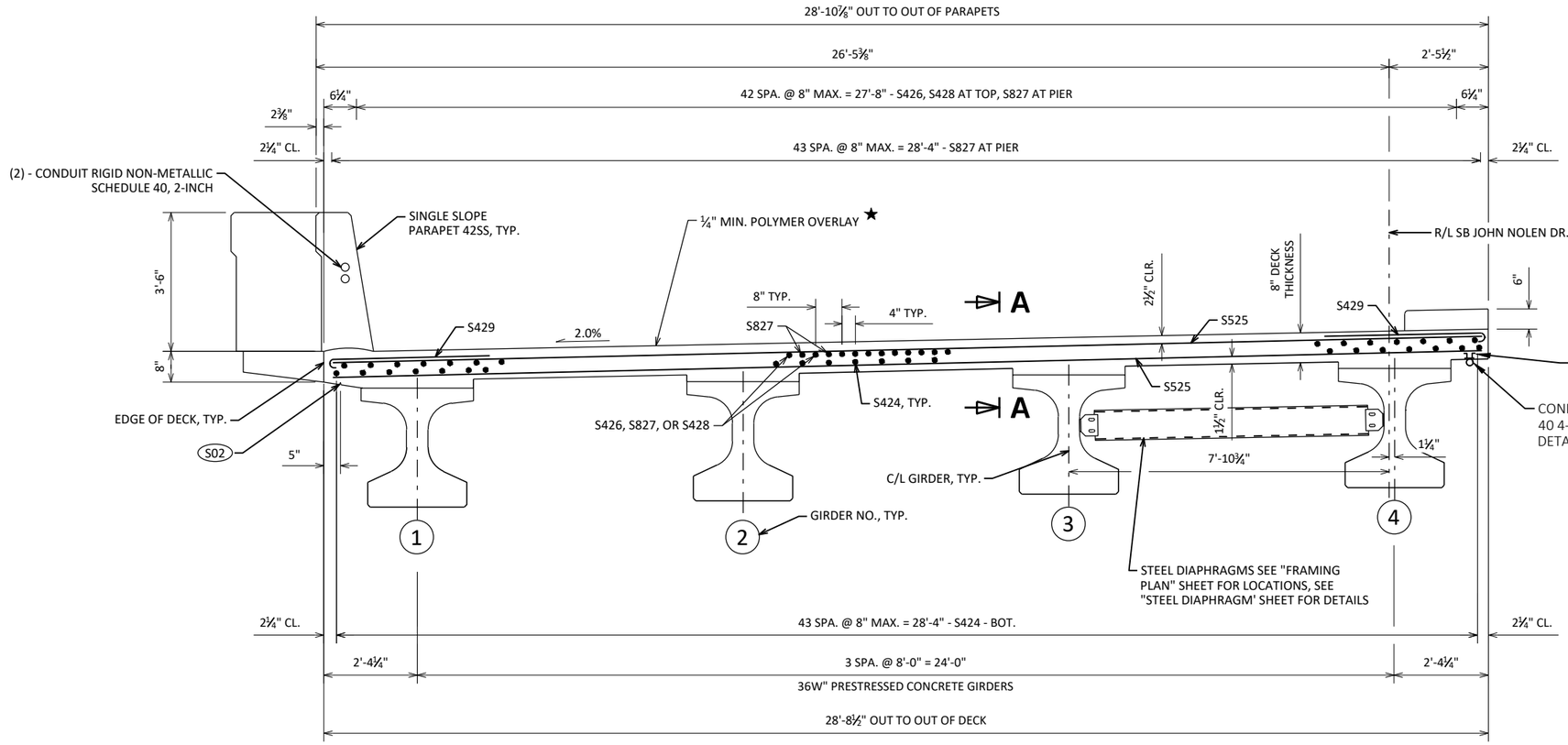
SHEET 20
1064

8

8

STATE PROJECT NUMBER

5992-11-25



CROSS SECTION THRU SUPERSTRUCTURE

LOOKING NORTH

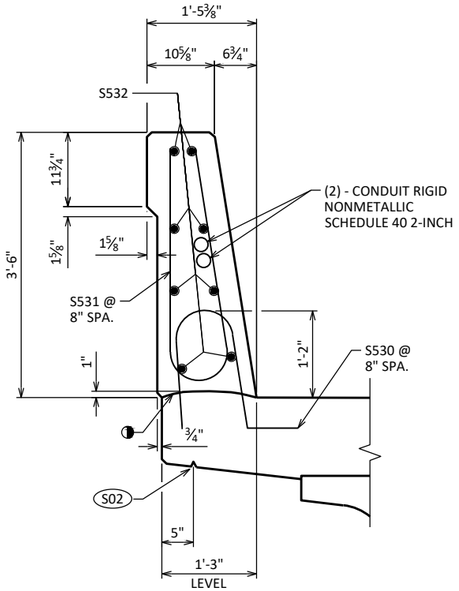
NOTES

CAST S530 OR S433 BARS INTO DECK PRIOR TO POURING PARAPETS OR MEDIAN.

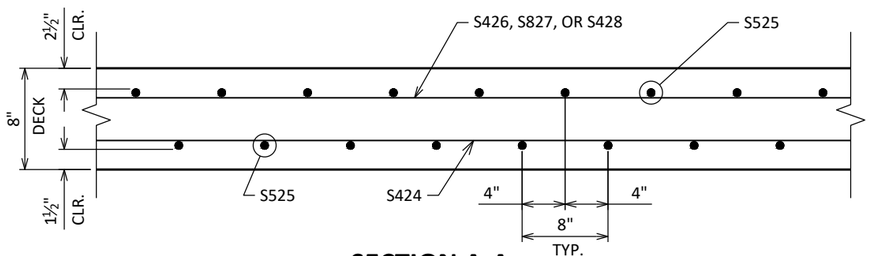
LAP LONGITUDINAL NO. 5 BARS IN PARAPET AT 1'-9" MIN.

LEGEND

- (S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).
- ◐ CONST. JT. - STRIKE OFF AS SHOWN AND LEAVE ROUGH. FOR DECK POUR MATCH BRIDGE X-SLOPE.
- ▪ VARIES BASED ON JOINT MANUFACTURER
- ■ MANUFACTURER SHALL LABEL TOP OF SEAL
- ★ SEE "GENERAL NOTES, PROFILES & DETAILS" SHEET FOR REQUIRED TRANSITION AT DECK ENDS.
- ◭ ADHESIVE ANCHORS NO. 4 BAR. EMBED 5" IN CONCRETE.

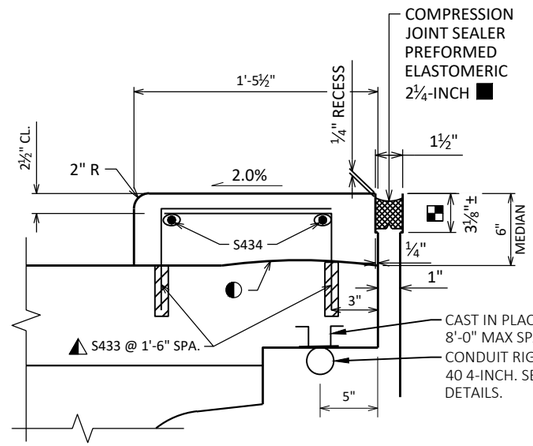


SECTION THRU PARAPET ON BRIDGE - SINGLE SLOPE PARAPET 42SS



SECTION A-A

(TRANSVERSE BAR STAGGER DETAIL)



SECTION THRU RAISED MEDIAN ON BRIDGE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE CROSS SECTION

SHEET 21
1065

SCALE = 6.0

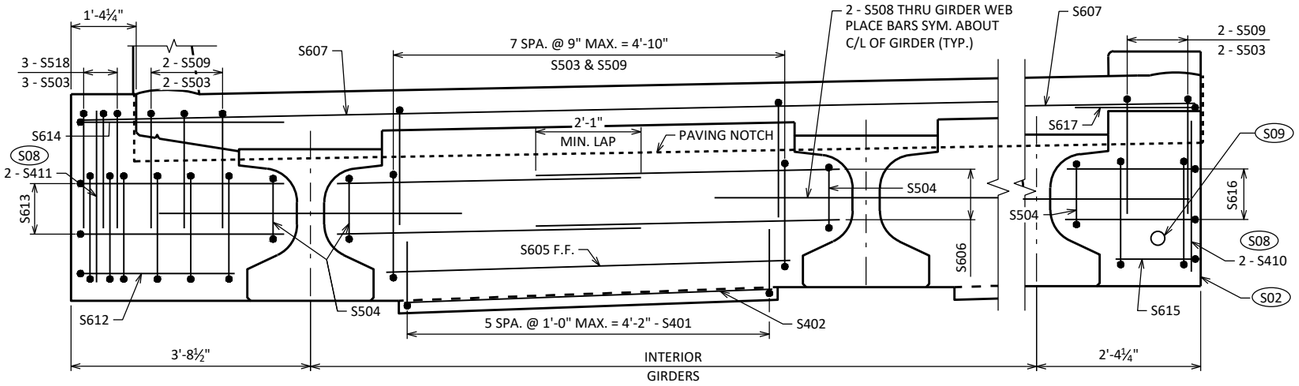
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080220_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-25



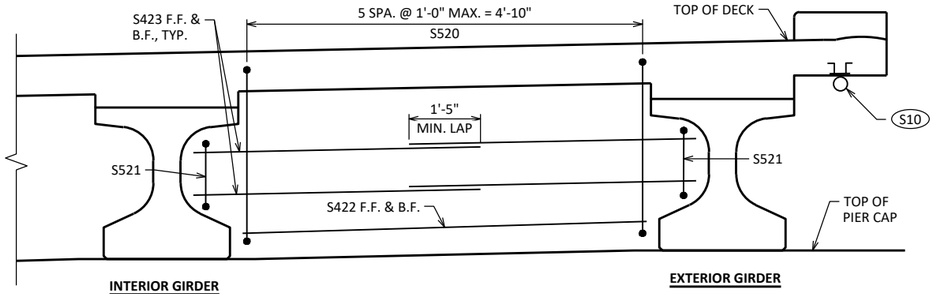
EXTERIOR GIRDER DIAPHRAGM
N. ABUT. AT WINGWALL 3
(S. ABUT. AT WINGWALL 2 SIMILAR)

TYP. INT. DIAPH.

EXTERIOR GIRDER DIAPHRAGM

END DIAPHRAGMS

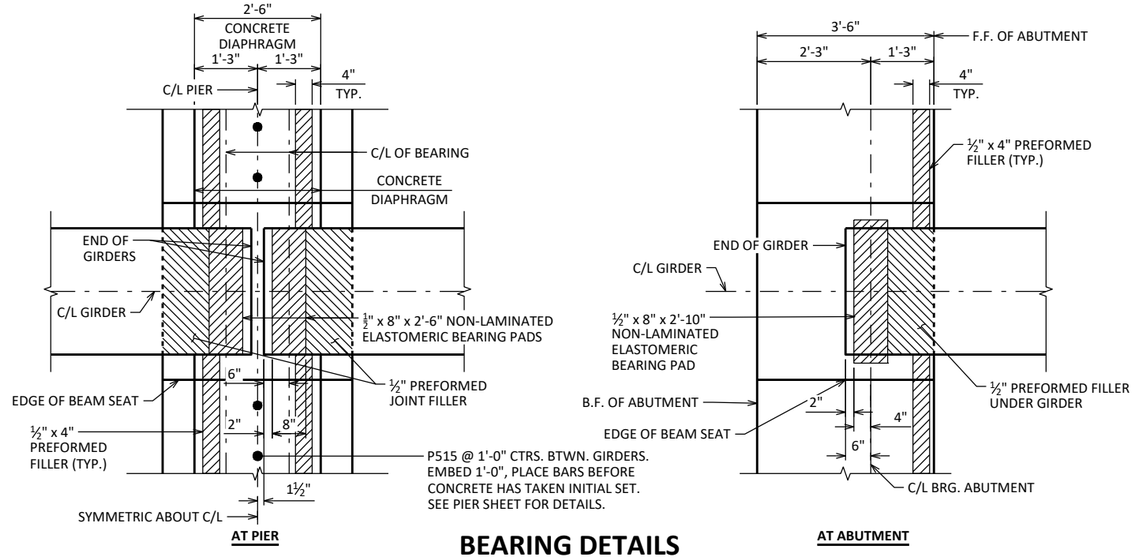
LOOKING NORTH AT NORTH ABUTMENT
(SOUTH ABUTMENT SIMILAR)



INTERIOR GIRDER

EXTERIOR GIRDER

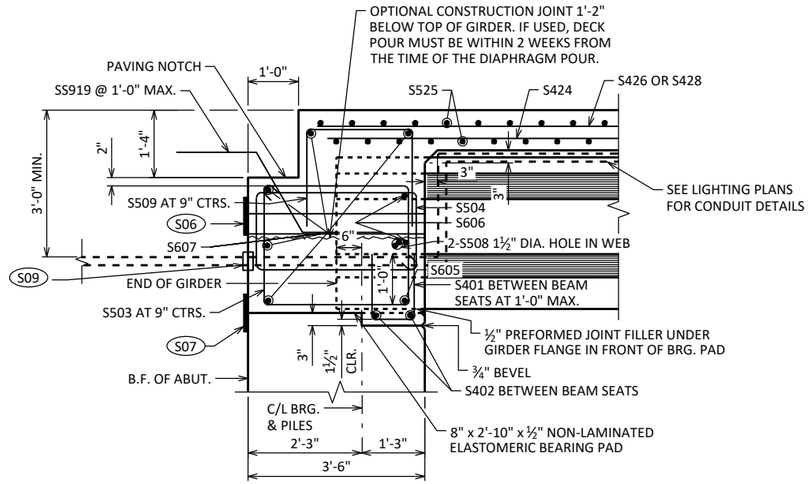
PART. TRANS. SECTION AT DIAPHRAGM PIER



AT PIER

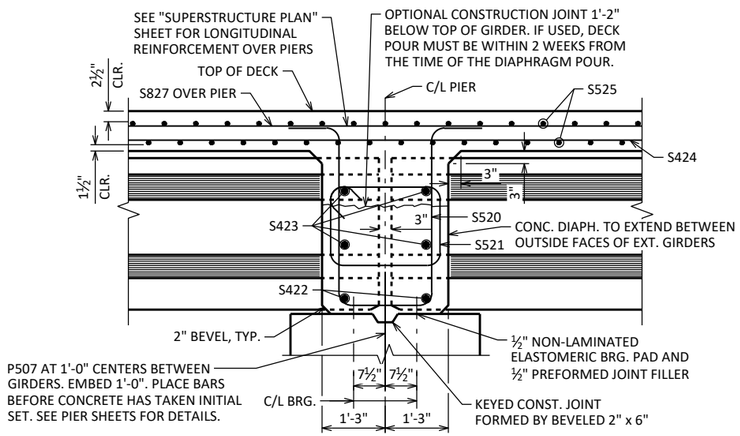
AT ABUTMENT

BEARING DETAILS



PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)



PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

LEGEND

- (S02) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER TO BE INCLUDED WITH B-13-924 NB AND IS NOT INCLUDED IN DIAPHRAGM LENGTH.
- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "HPC MASONRY STRUCTURES").
- (S07) RUBBERIZED MEMBRANE WATERPROOFING.
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END.
- (S09) DEFLECTION/EXPANSION FITTING REQUIRED FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH. SEE "CONDUIT DETAILS" SHEET. SEE LIGHTING PLANS FOR ADDITIONAL DETAILS.
- (S10) PROVIDE CAST IN PLACE STRUT CHANNEL FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH. 8'-0" MAX SPACING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE DETAILS

SHEET 22
1066

SCALE = 3.0

8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080221_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-25

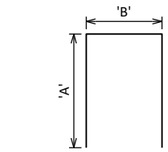
TOTAL STAINLESS = 1,020 LBS.
TOTAL COATED = 45,940 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	STAINLESS STEEL	BENT	LOCATION
S 401	36	3'-5"	X		X	ABUT. DIAPH. BOT. BTWN. GIRDERS
S 402	12	4'-2"	X			ABUT. DIAPH. BOT. BTWN. GIRDERS
S 503	62	11'-8"	X		X	ABUT. DIAPH. STIRRUP
S 504	16	9'-10"	X		X	ABUT. DIAPH. STIRRUP
S 605	6	5'-2"	X			ABUT. DIAPH. BOT. F.F.
S 606	24	4'-7"	X			ABUT. DIAPH. F.F.
S 607	10	29'-9"	X			ABUT. DIAPH. BACK & TOP
S 508	16	6'-0"	X			ABUT. DIAPH. THRU GIRDER WEB
S 509	56	6'-7"	X		X	ABUT. DIAPH. VERT.
S 410	4	3'-8"	X			ABUT. DIAPH. VERT.
S 411	4	3'-7"	X			ABUT. DIAPH. VERT.
S 612	2	7'-0"	X		X	ABUT. DIAPH. WEST END HORIZ.
S 613	4	8'-6"	X		X	ABUT. DIAPH. WEST END HORIZ.
S 614	2	8'-10"	X		X	ABUT. DIAPH. WEST END HORIZ.
S 615	2	4'-2"	X		X	ABUT. DIAPH. EAST END HORIZ.
S 616	4	5'-10"	X		X	ABUT. DIAPH. EAST END HORIZ.
S 617	2	6'-0"	X		X	ABUT. DIAPH. EAST END HORIZ.
S 518	6	7'-7"	X		X	ABUT. DIAPH. VERT.
SS 919	60	5'-0"		X	X	CONC. ABUT. DIAPH. TO APPROACH SLAB
S 520	18	10'-8"	X		X	PIER DIAPH. STIRRUP
S 521	6	7'-10"	X		X	PIER DIAPH. STIRRUP
S 422	6	5'-2"	X			PIER DIAPH. HORIZ.
S 423	24	4'-3"	X			PIER DIAPH. HORIZ.
S 424	220	36'-2"	X			SLAB BOT. LONGIT.
S 525	525	28'-4"	X			SLAB TOP & BOT. TRANS.
S 426	86	31'-3"	X			SLAB TOP SPAN 1 LONGIT.
S 827	87	51'-0"	X			SLAB TOP OVER PIER LONGIT.
S 428	86	33'-9"	X			SLAB TOP SPAN 2 LONGIT.
S 429	524	3'-9"	X		X	DECK OVERHANG TRANS.
S 530	264	4'-5"	X		X	PARAPET VERT.
S 531	262	6'-8"	X		X	PARAPET VERT.
S 532	40	36'-3"	X			PARAPET LONGIT.
◭ S 433	234	1'-9"	X		X	MEDIAN ANCHOR
S 434	10	36'-2"	X			MEDIAN LONGIT.
S 535	2	4'-0"	X		X	LIGHT STD. - VERT. PARAPET
S 536	12	7'-5"	X			LIGHT STD. TRANS. DECK BOT.
S 537	12	8'-0"	X		X	LIGHT STD. TRANS. DECK TOP
S 538	4	7'-0"	X		X	LIGHT STD. - VERT. PARAPET
S 539	2	3'-4"	X		X	LIGHT STD. - VERT. PARAPET
S 640	9	10'-0"	X		X	LIGHT STD. - HORIZ. PARAPET
S 541	4	7'-8"	X		X	LIGHT STD. - VERT. PARAPET

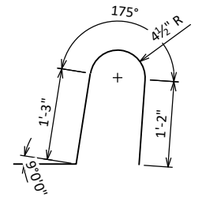
LEGEND

◭ ADHESIVE ANCHORS NO. 4 BAR. EMBED 5" IN CONCRETE.

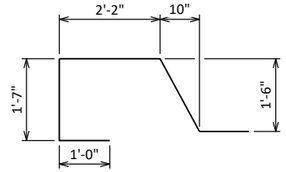


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S509	2'-4"	2'-2"
S612	2'-2"	3'-0"
S613	2'-11"	3'-0"
S614	3'-7"	2'-0"
S615	9"	3'-0"
S616	1'-7"	3'-0"
S617	2'-2"	2'-0"
S518	2'-4"	3'-2"
S539	1'-0"	1'-7"
S541	3'-1"	1'-9"

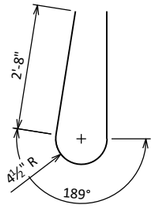
S401, S509, S612, S613, S614, S615, S616, S617, S518, S539, S541



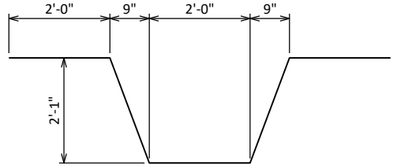
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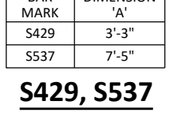
S538



S531

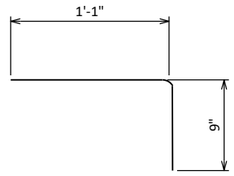


S640

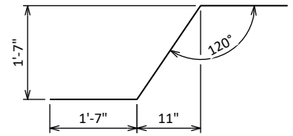


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-4"
S504	3'-2"	1'-5"
S521	2'-2"	1'-5"

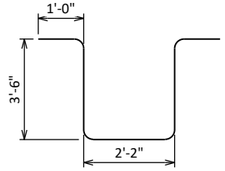
S503, S504, S521



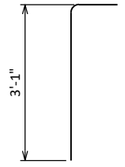
S433



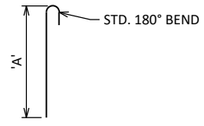
SS919
STAINLESS STEEL



S520



S535



BAR MARK	DIMENSION 'A'
S429	3'-3"
S537	7'-5"

S429, S537

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE BILL OF BARS

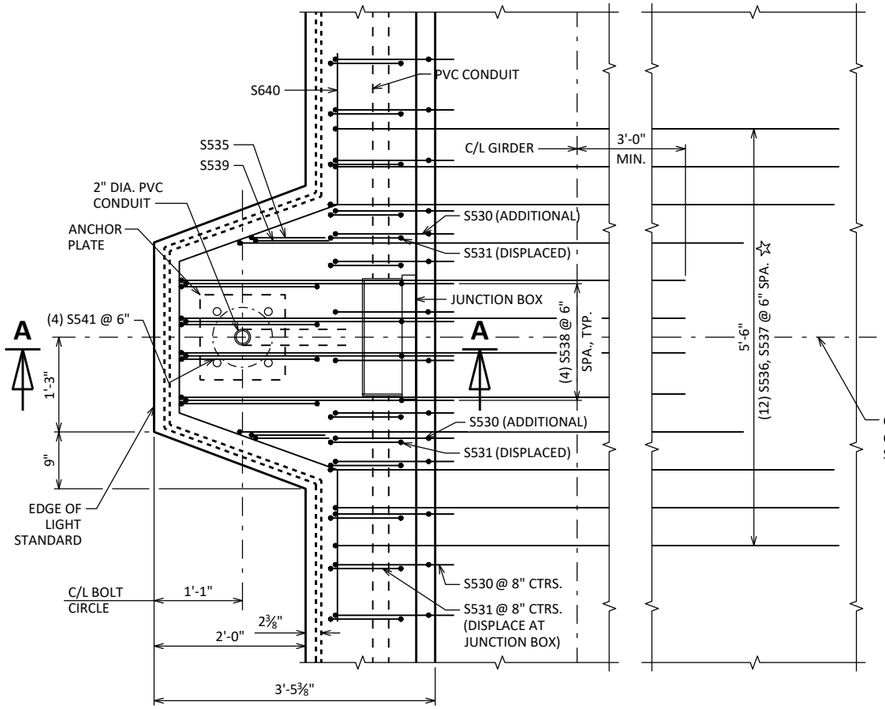
SHEET 23
1067

SCALE = 3.0

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LAYOUT NAME - SHT2C

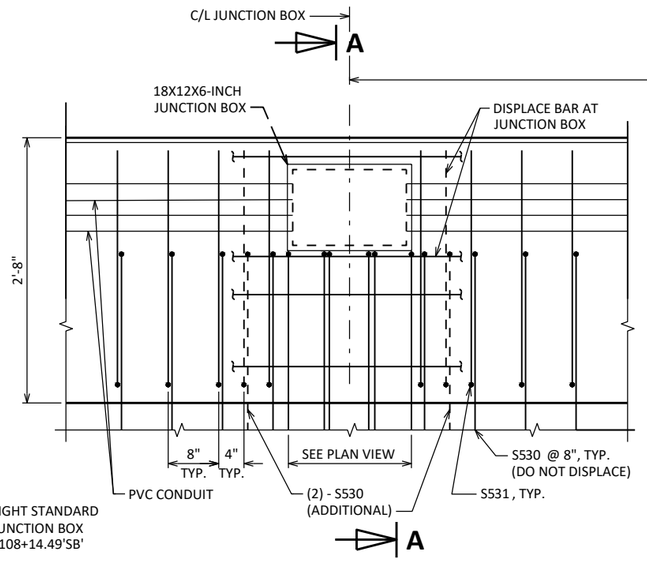
STATE PROJECT NUMBER

5992-11-25



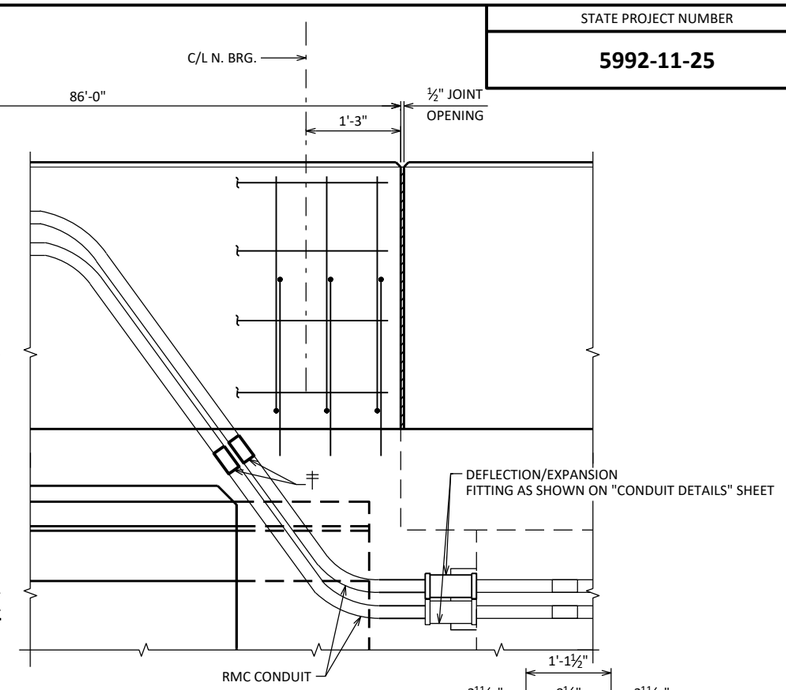
PLAN AT LIGHT STANDARD

(DECK STEEL NOT SHOWN FOR CLARITY)



INSIDE ELEVATION AT JUNCTION BOX

(DECK STEEL NOT SHOWN FOR CLARITY)



NOTES

BID ITEM SHALL BE "ANCHOR ASSEMBLIES POLES ON STRUCTURES", EACH FOR THE ANCHOR ROD ASSEMBLY.

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

SEE "CONDUIT DETAILS" SHEET FOR ADDITIONAL INFORMATION.

SEE "SUPERSTRUCTURE BILL OF BARS" SHEET FOR BAR BENDS AND BILL OF BARS.

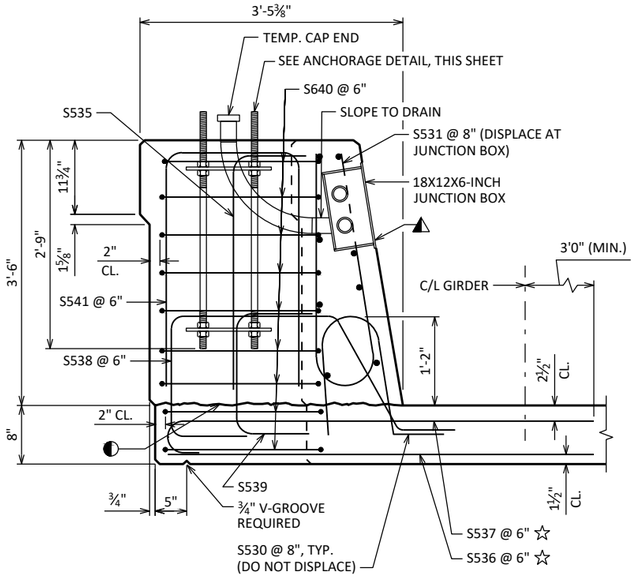
LEGEND

- ◐ CONSTRUCTION JOINT, STRIKE OFF AS SHOWN.
- ◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.
- ▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.
- ⫩ NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

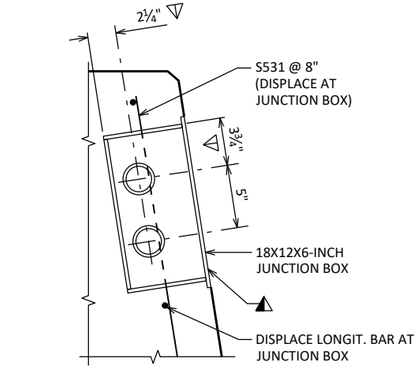
PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

RMC = RIGID METALLIC CONDUIT.

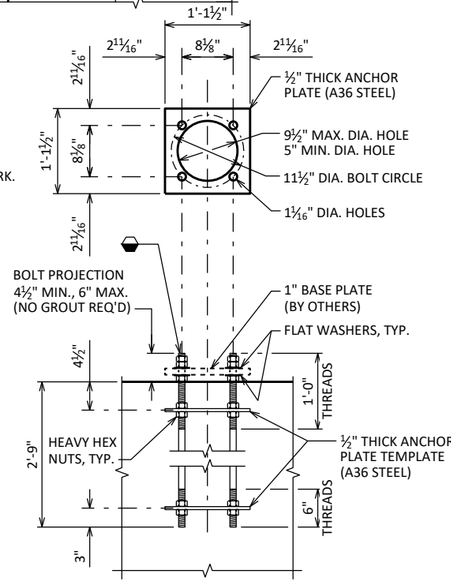
- ⬬ 1" DIA. ANCHOR RODS ASTM F1554 GR 55, HEAVY HEX NUTS ASTM A563, AND WASHERS ASTM F436. ANCHOR ASSEMBLIES SHALL BE GALVANIZED PER SECTION 531 OF THE STANDARD SPECIFICATION. PROVIDE (2) WASHERS AND (7) NUTS PER ANCHOR ROD.
- ☆ THESE BARS ARE IN ADDITION TO STANDARD TRANSVERSE BARS IN DECK.



SECTION A-A



JUNCTION BOX DETAIL



ANCHOR ROD ASSEMBLY DETAIL

(4) - ANCHOR RODS REQUIRED PER ASSEMBLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D WAH

LIGHT STANDARD DETAILS

SHEET 24
1068

SCALE = 2.0

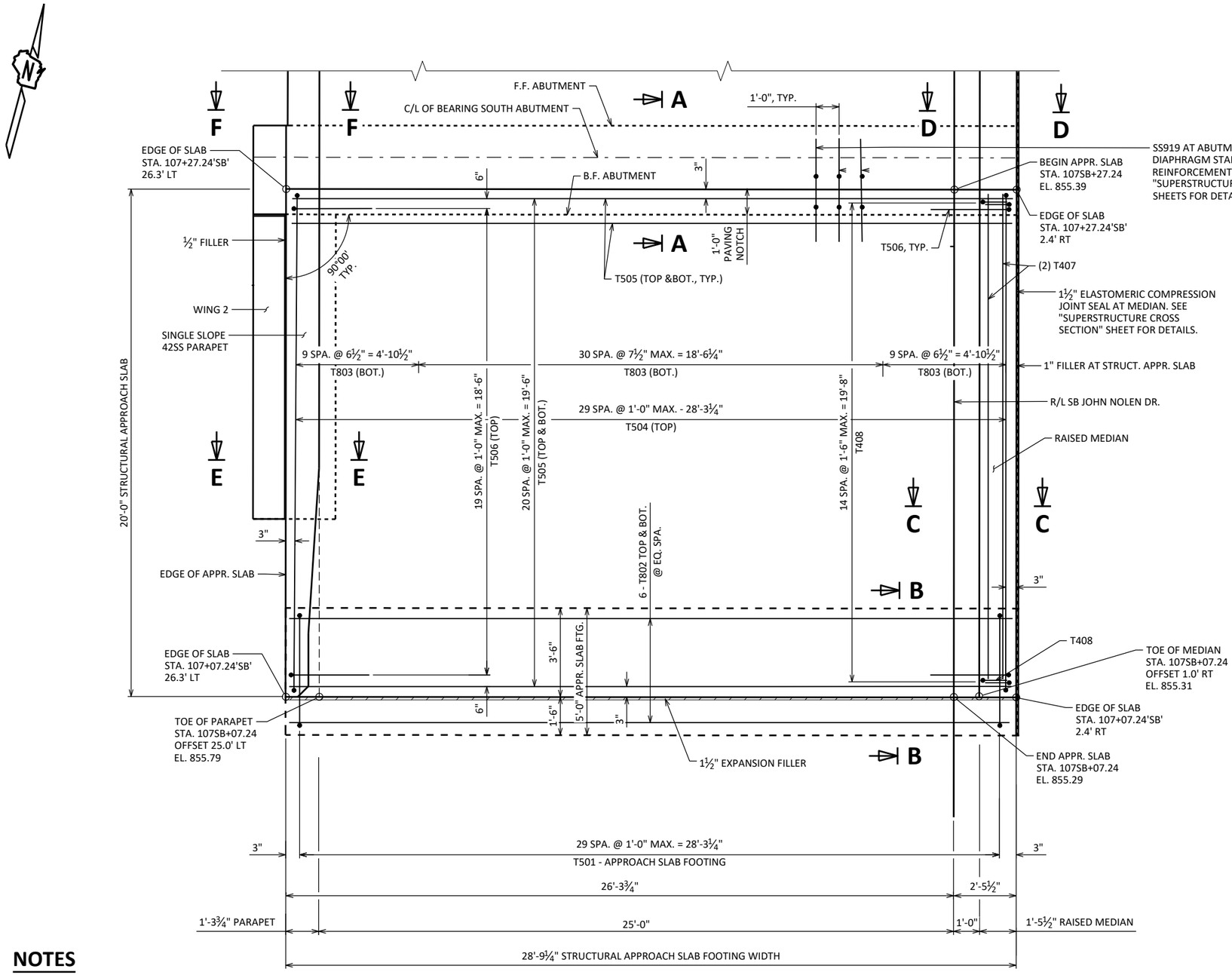
8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080223_SS.DWG
LAYOUT NAME - LIGHT STANDARD DETAILS

STATE PROJECT NUMBER

5992-11-25



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

SOUTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

SOUTH STRUCTURAL APPROACH SLAB

SHEET 25
1069

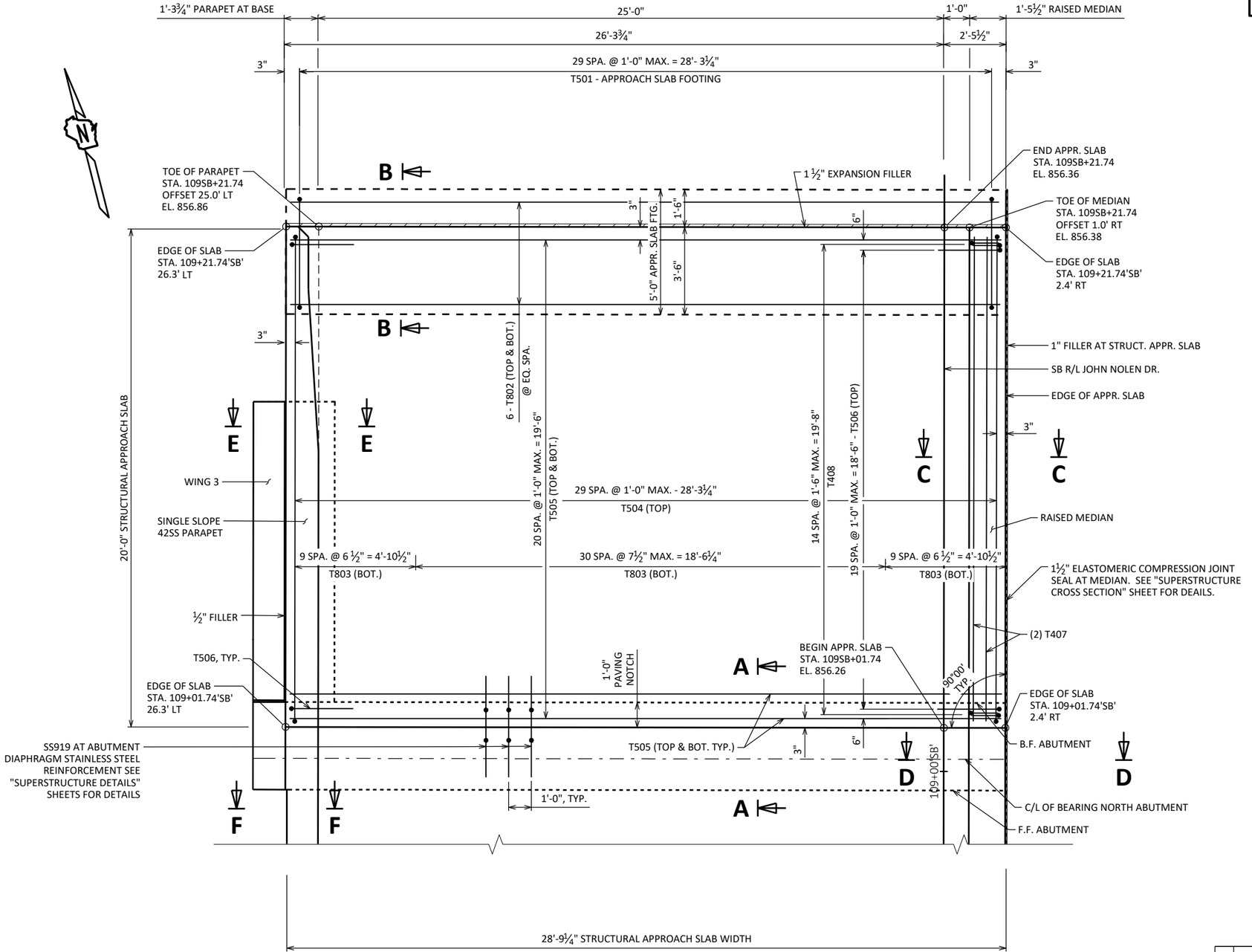
SCALE = 6.0

8

8

STATE PROJECT NUMBER

5992-11-25



NORTH STRUCTURAL APPROACH SLAB

NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

NORTH STRUCTURAL APPROACH SLAB

SHEET 26
1070

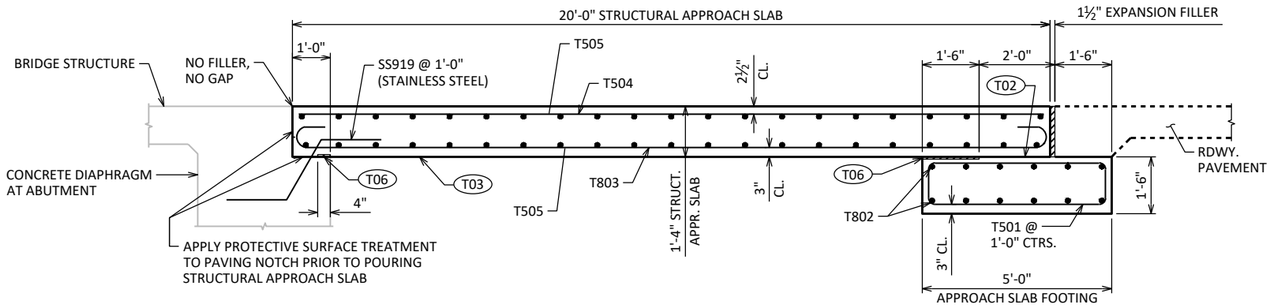
SCALE = 6.0

8

8

STATE PROJECT NUMBER

5992-11-25



SECTION A-A **SECTION B-B**

SECTION THRU STRUCTURAL APPROACH SLAB

LEGEND

(T01) SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

(T06) ¾" PREFORMED JOINT FILLER ACCORDING TO STD. SPEC 502.2.7. 4" WIDE X PAVING NOTCH LENGTH AT PAVING NOTCH, 1'-6" WIDE X FTG. LENGTH AT APPROACH SLAB FOOTING.

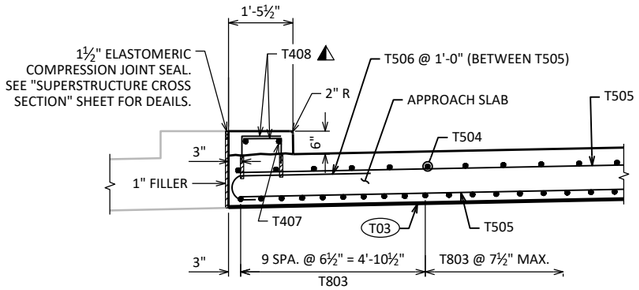
◭ ADHESIVE ANCHORS NO. 4 BAR. EMBED 5" IN CONCRETE.

BILL OF BARS

TOTAL COATED = 12,360 LBS

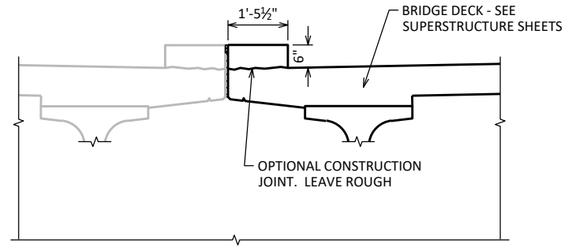
BAR MARK	COAT	SOUTH APPR.	NORTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	30	30	12'-2"	X		APPROACH SLAB - FTG. - STIRRUPS
T802	X	12	12	28'-5"			APPROACH SLAB - FTG. - TRANS.
T803	X	49	49	21'-6"	X		APPROACH SLAB - LONG. - BOT.
T504	X	30	30	19'-8"			APPROACH SLAB - LONG. - TOP
T505	X	42	42	28'-5"			APPROACH SLAB - TRANS. - TOP & BOT.
T506	X	40	40	4'-1"	X		APPROACH SLAB - TOP - EDGE OF SLAB
T407	X	2	2	19'-8"			RAISED MEDIAN - HORIZ.
◭ T408	X	15	15	1'-9"	X		RAISED MEDIAN - ANCHOR

FOR BOTH STRUCTURAL APPROACH SLABS COMBINED.



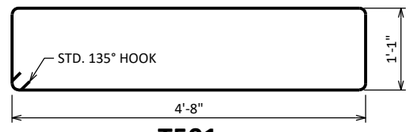
SECTION C-C

SECTION AT EAST RAISED MEDIAN

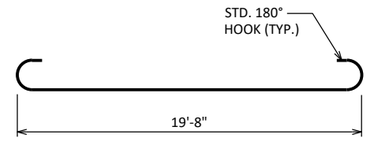


SECTION D-D

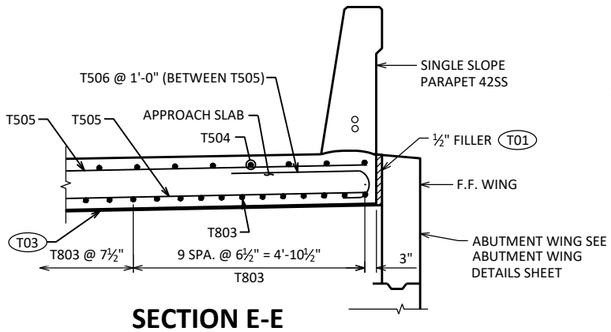
SECTION AT EAST RAISED MEDIAN ON DECK



T501

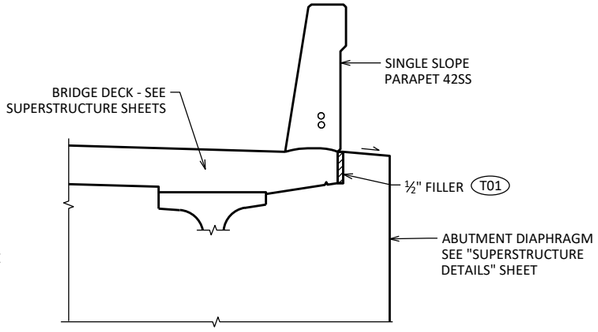


T803



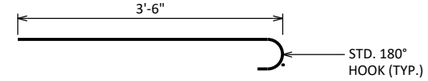
SECTION E-E

SECTION AT WEST EDGE

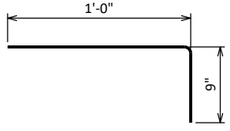


SECTION F-F

SECTION AT WEST END OF DECK



T506



T408

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

STRUCTURAL APPR. SLAB DETAILS

SHEET 27
1071

SCALE = 1.0

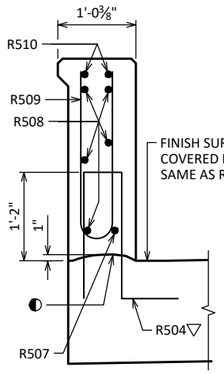
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8

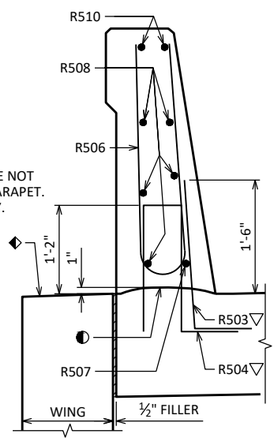
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

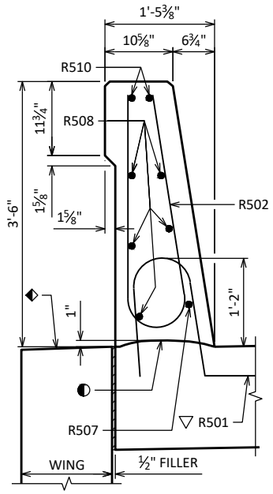
5992-11-25



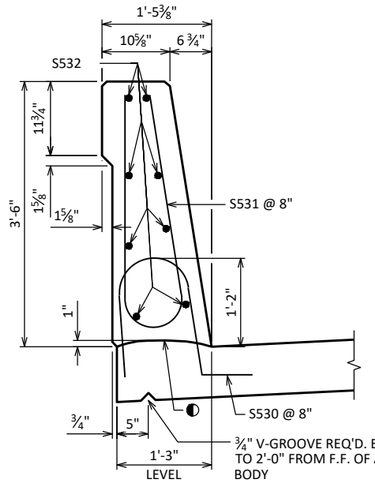
SECTION A-A



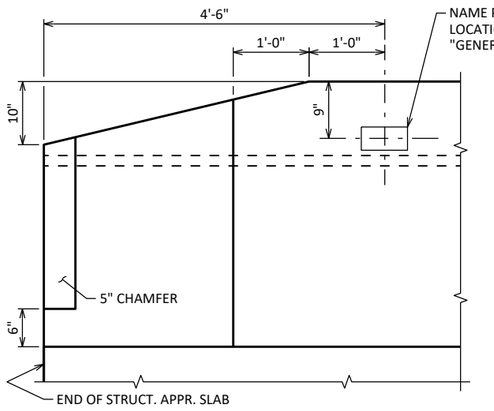
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS — TOTAL COATED = 1,180 LBS.

FOR STRUCTURAL APPOACH SLAB PARAPETS

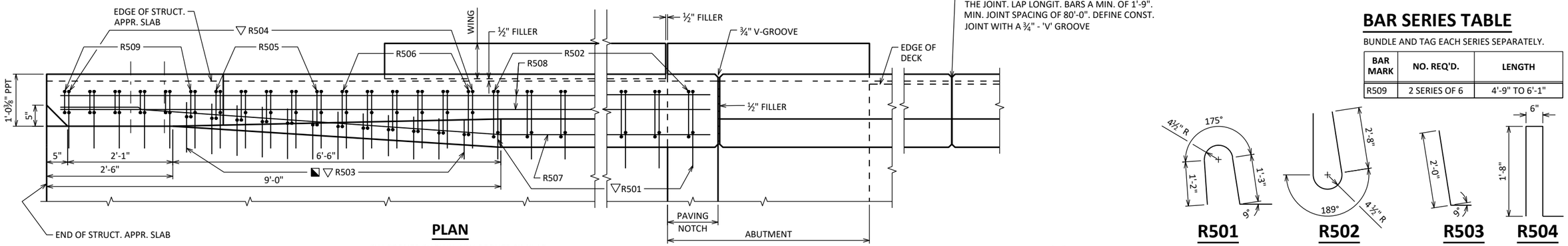
BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	18	4'-5"	X		PARAPET VERT.
R502	X	18	18	6'-8"	X		PARAPET VERT.
R503	X	11	11	2'-9"	X		PARAPET VERT.
R504	X	17	17	4'-4"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	19'-8"	X		PARAPET HORIZ.
R508	X	5	5	19'-8"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	⚠	PARAPET VERT.
R510	X	2	2	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

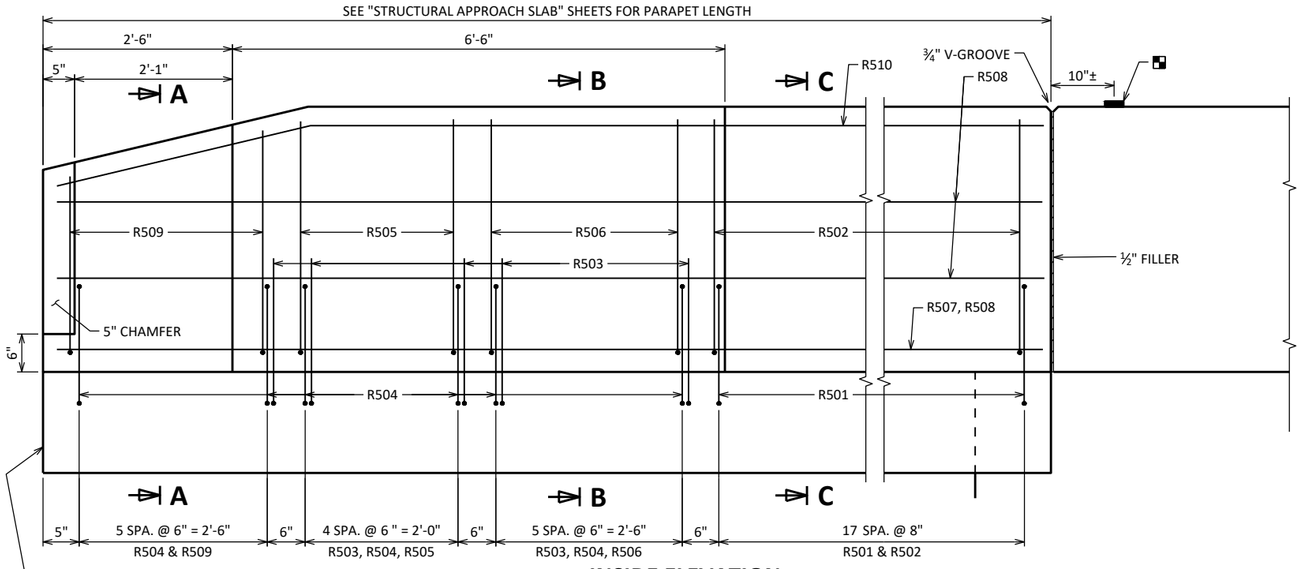
BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"



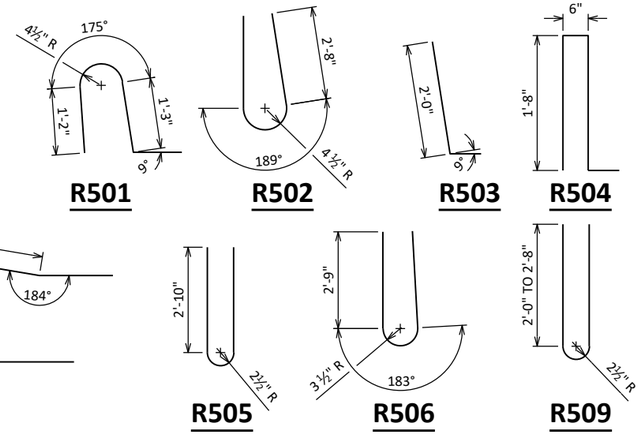
PLAN

SW CORNER SHOWN, NW CORNER SIMILAR



INSIDE ELEVATION

SW CORNER SHOWN, NW CORNER SIMILAR
STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY



BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

LEGEND

- ◐ CONST. JOINT - STRIKE OFF AS SHOWN
- ◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.
- ▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.
- ◆ SLOPE FOR DRAINAGE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

SINGLE SLOPE PARAPET 42SS DETAILS

SHEET 28
1072

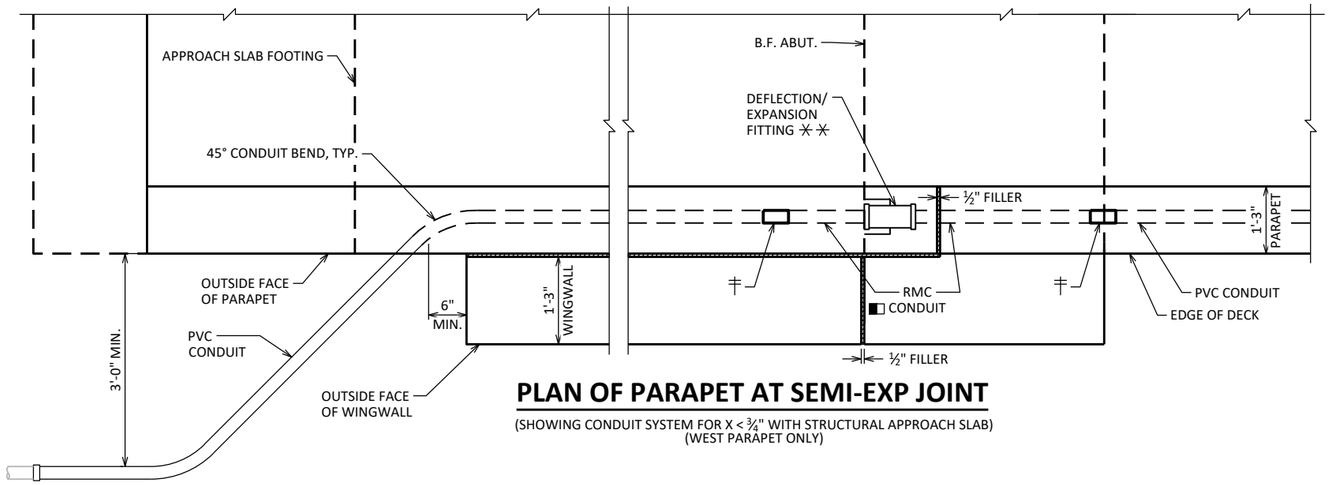
SCALE = 1.0

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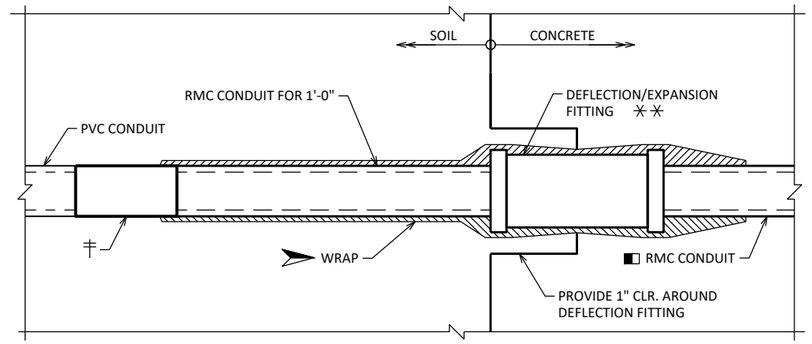
STATE PROJECT NUMBER

5992-11-25



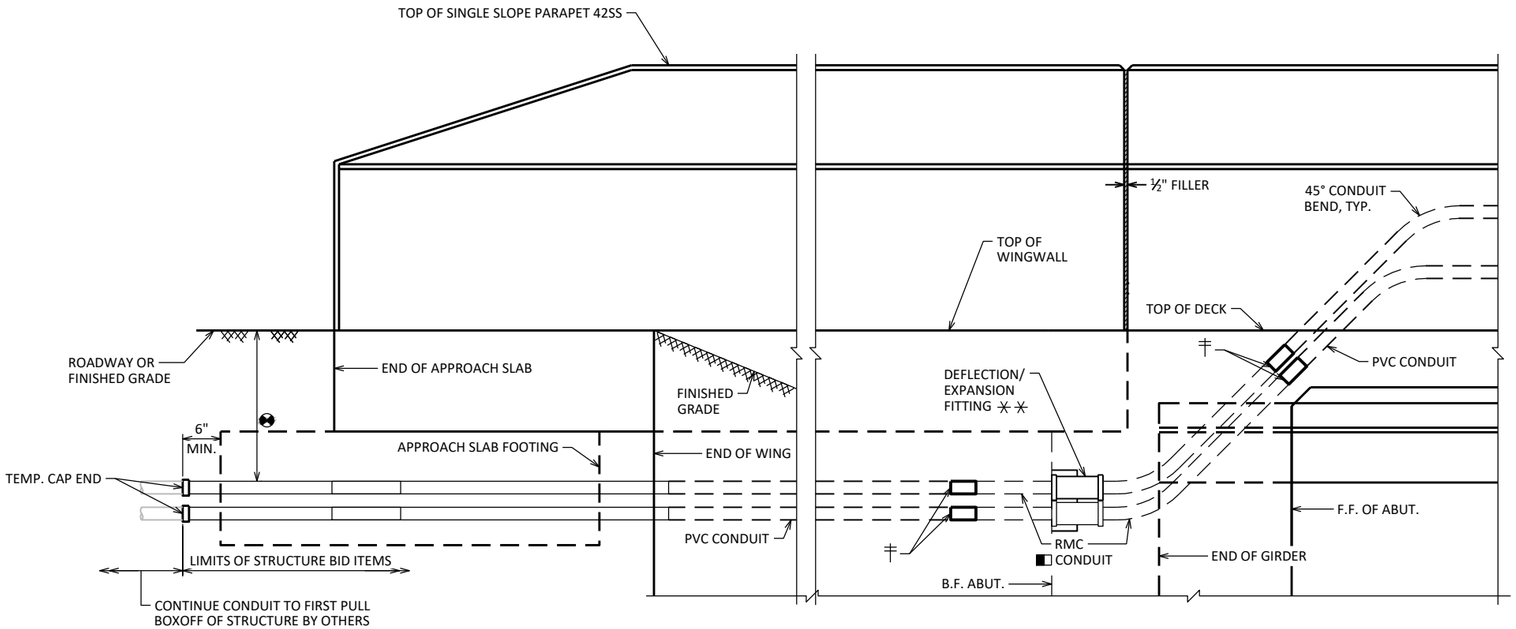
PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(WEST PARAPET ONLY)



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY
(CONCRETE TO SOIL FITTING)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SW END SHOWN, NW END SIMILAR)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON EACH SIDE OF JOINT OPENINGS UNLESS NOTED OTHERWISE.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- ✕✕ DEFLECTION/EXPANSION FITTING REQUIREMENTS
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

CONDUIT DETAILS

SHEET 29
1073

SCALE = 2.0

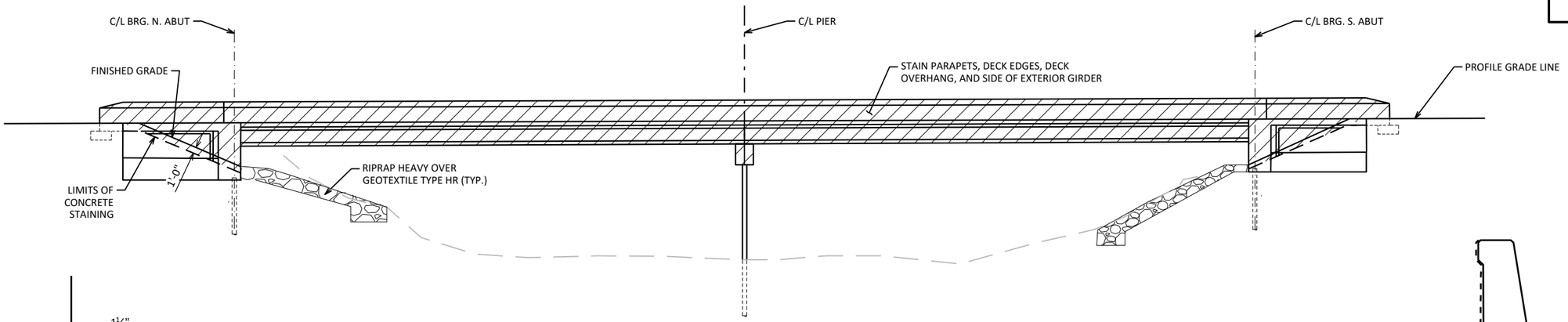
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080228_CON.DWG
LAYOUT NAME - CONDUIT DETAILS

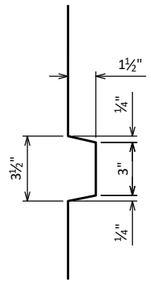
STATE PROJECT NUMBER

5992-11-25



ELEVATION

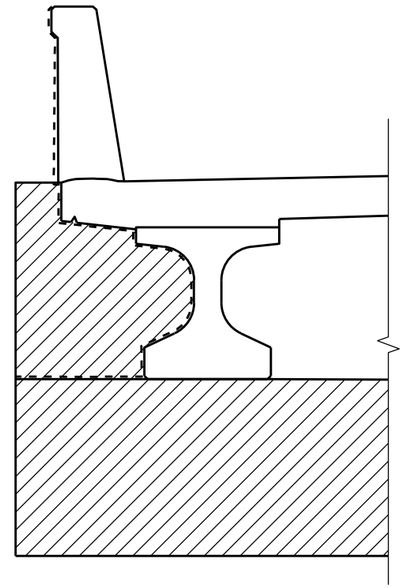
(LOOKING EAST)



DETAIL A

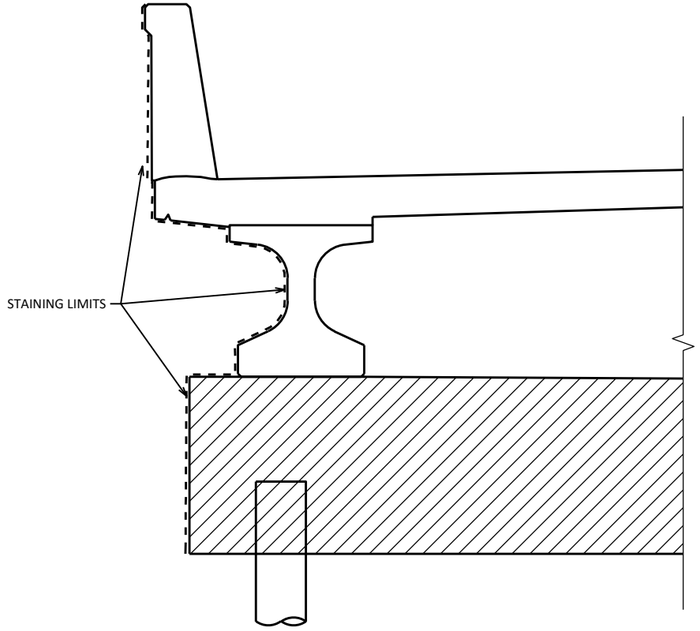
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	PARAPETS	EXTERIOR FACE ON WEST EDGE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE ON WEST EDGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM END OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON WEST EDGE
	WINGS	TOP OF WING AND ALL EXPOSED SIDES TO 1-FT BELOW FINISHED GRADE
	PIERS	EXPOSED FACES OF PIER CAP



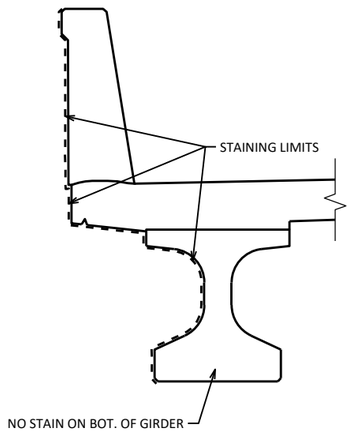
PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, AND WING, EXTERIOR FACE OF PARAPETS AND EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG



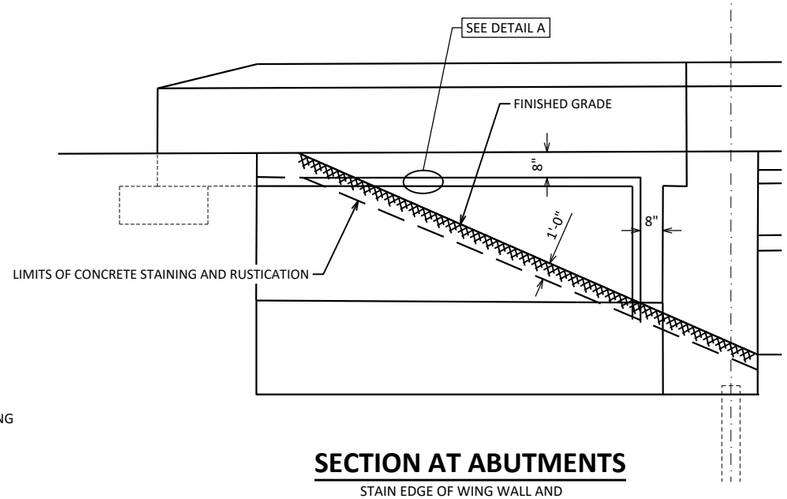
TYPICAL SECTION AT PIERS

STAIN VERTICAL FACES OF PIER CAP, EXTERIOR FACE PIER, PARAPETS AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS



TYPICAL SECTION IN SPAN

STAIN BACK OF PARAPET, EDGE OF DECK, DECK OVERHANG AND SIDE OF EXTERIOR GIRDER (WEST PARAPET AND GIRDER ONLY)



SECTION AT ABUTMENTS

STAIN EDGE OF WING WALL AND ABUTMENT 1-FT BELOW GROUND LINE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

DRAWN BY GWK | PLANS CK'D CDH

AESTHETIC DETAIL

SHEET 30
1074

SCALE = 3.0

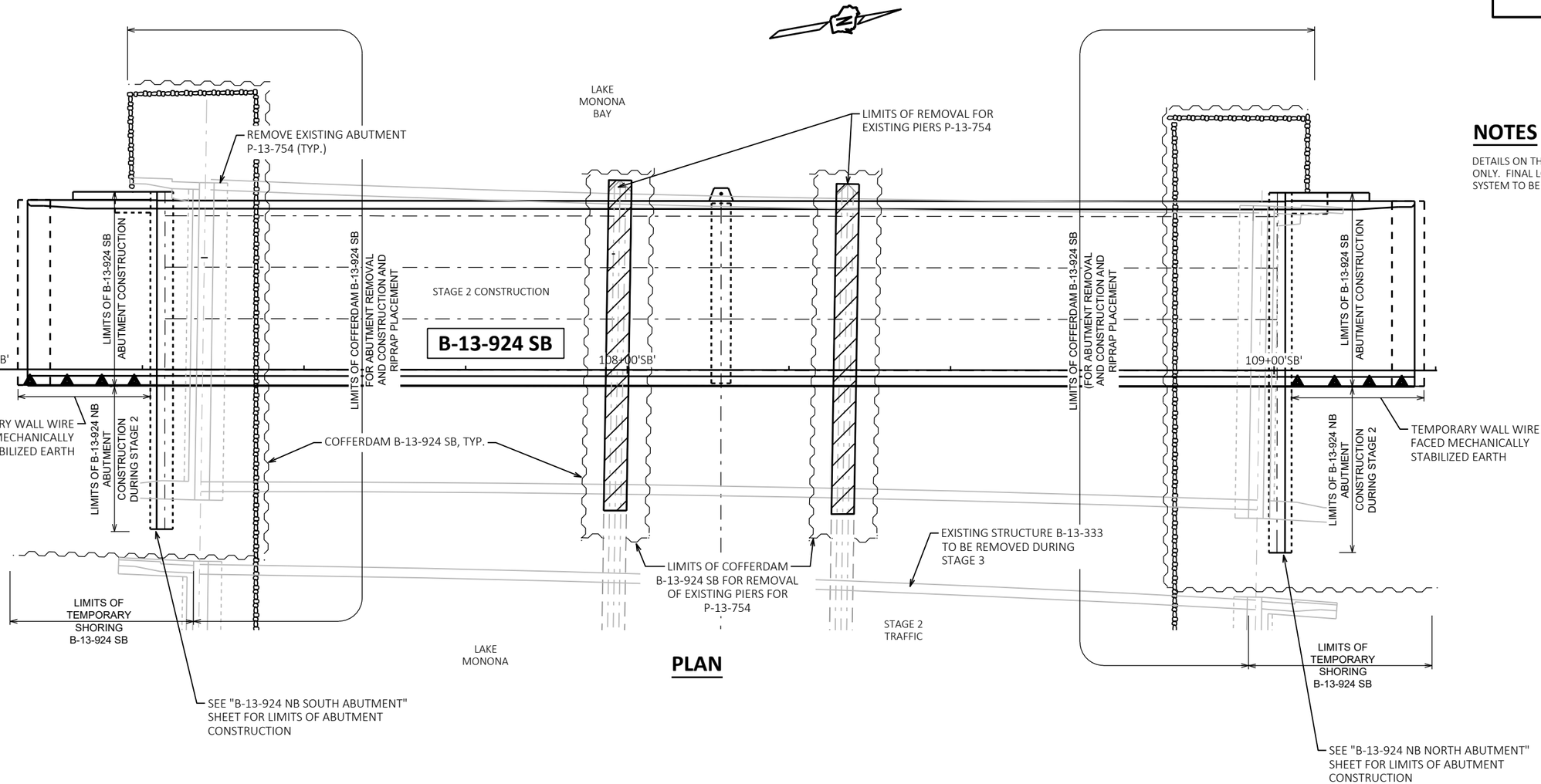
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-925\080229_AE.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

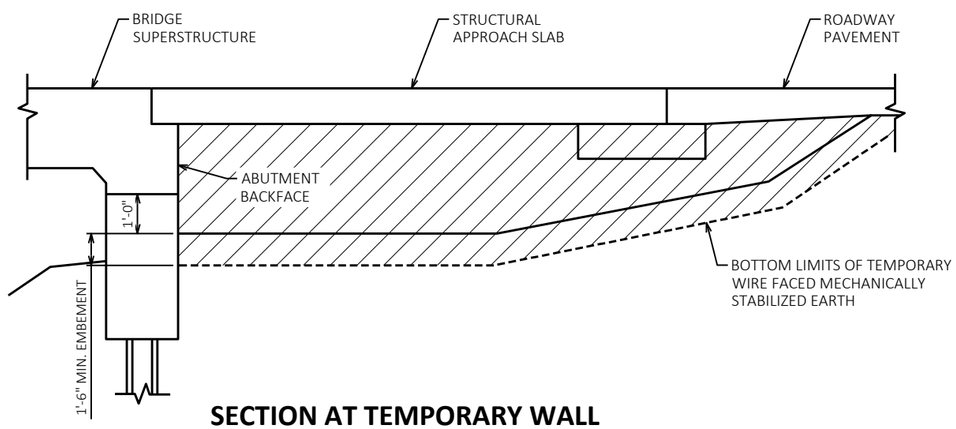
5992-11-25



PLAN

NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. FINAL LOCATION AND TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR.



SECTION AT TEMPORARY WALL

(NORTH ABUTMENT SHOWN, SOUTH ABUTMENT SIMILAR)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 SB

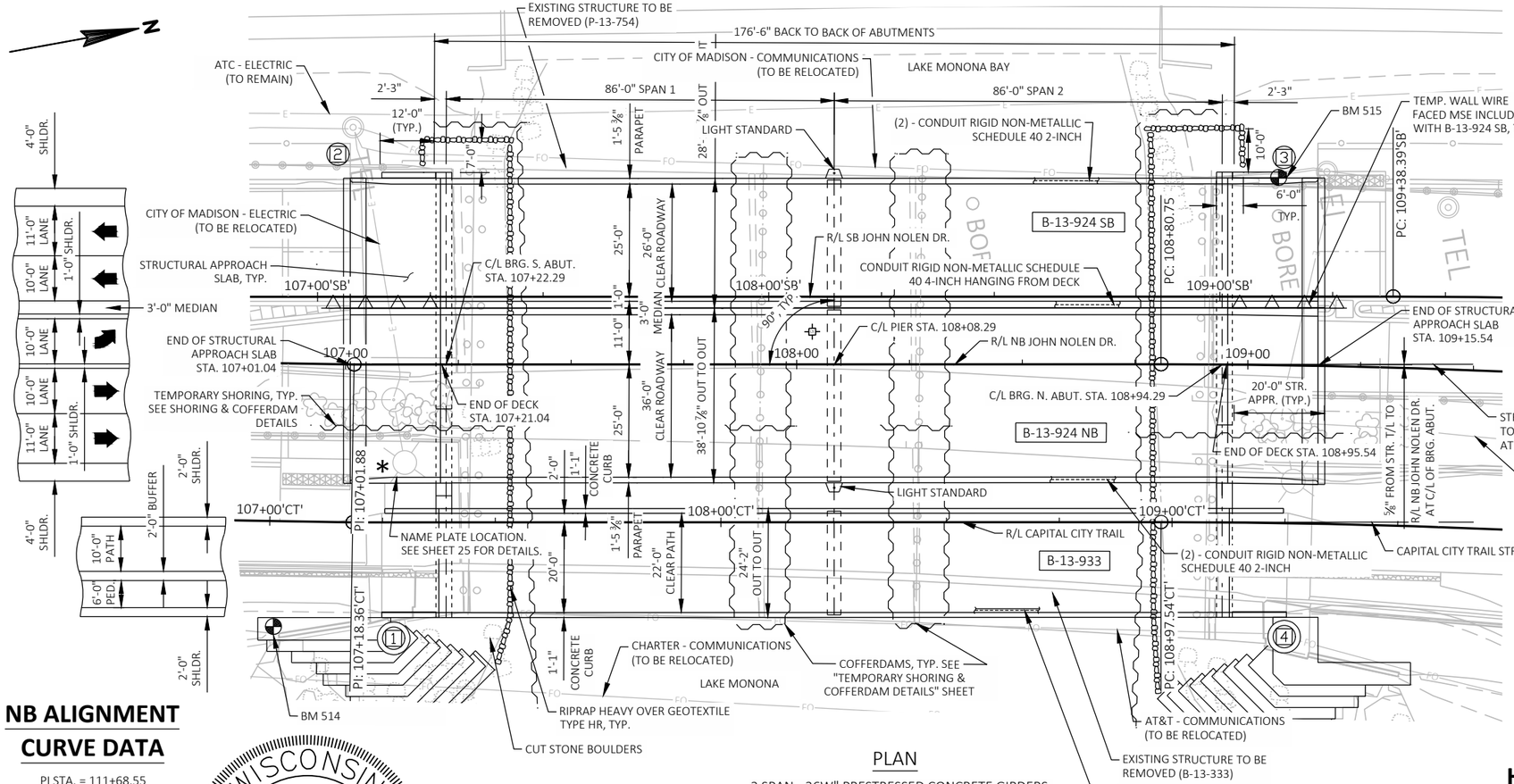
DRAWN BY STD | PLANS CK'D CDH

TEMPORARY SHORING & COFFERDAM DETAILS

SHEET 31

1075

SCALE =



PLAN

2 SPAN - 36W" PRESTRESSED CONCRETE GIRDERS

NB ALIGNMENT CURVE DATA

PI STA. = 111+68.55
Y = 479658.016
X = 820593.459
DELTA = 18°10'07"
D = 3°10'59"
T = 287.81'
L = 570.78'
R = 1800.00'
PC STA. = 108+80.75
Y = 479374.511
X = 820543.887
PT STA. = 114+51.53
Y = 479911.930
X = 820728.960
BK = N09°55'05.1"E
AH = N28°05'11.9"E

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

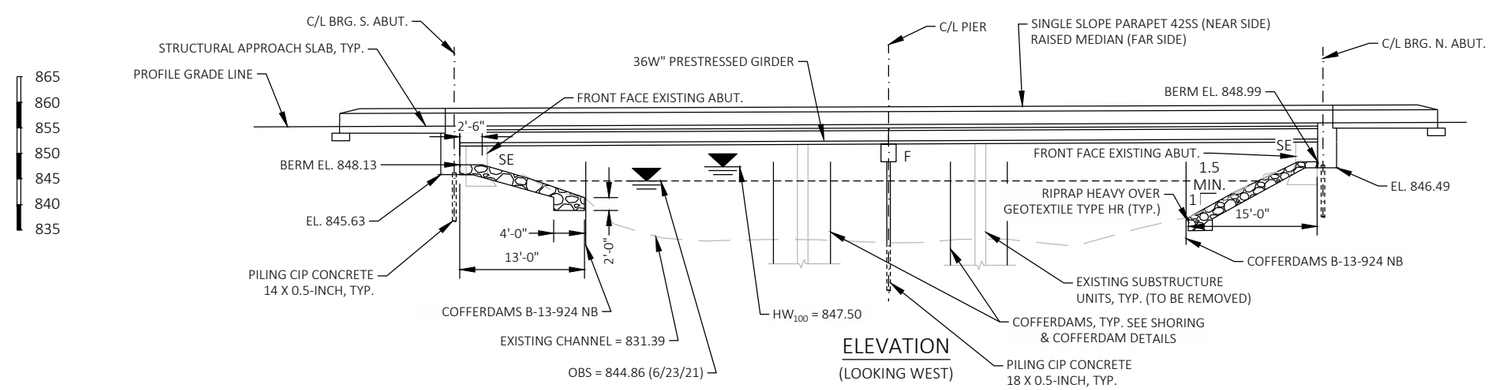
May 22, 2025

LEGEND

- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER
- * CRASH CUSHION REQUIRED.SEE ROADWAY PLANS FOR DETAILS.

BENCH MARK

NO.	Y	X	DESCRIPTION	ELEV.
514	479171.659	820569.698	CUT SQ CONC WALL	854.63
515	479402.698	820507.777	CUT SQ CONC WALL	858.23



ELEVATION
(LOOKING WEST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.15
OPERATING RATING: RF = 1.49
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS RATED FOR A FUTURE POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI
STAINLESS, GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'_c = 8,000 PSI
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 200 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
110' LONG AT NORTH ABUT.
100' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 370 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
OBS. WATER=EL. 844.86 (KL SURVEY ON 6/23/2021)
SCOUR CRITICAL CODE = 8

TRAFFIC DATA

JOHN NOLEN DRIVE:

A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
RDS = 40 M.P.H.

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. TRAFFIC STAGING DETAIL
4. QUANTITIES
5. GENERAL NOTES, PROFILES & DETAILS
6. SUBSURFACE EXPLORATION
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. NORTH ABUTMENT
10. NORTH ABUTMENT DETAILS
11. SUBSTRUCTURE DETAILS
12. PIER
13. PIER DETAILS
14. 36W" PRESTRESSED GIRDER
15. 36W" PRESTRESSED GIRDER DETAILS
16. SUPERSTRUCTURE FRAMING PLAN
17. STEEL DIAPHRAGM
18. SUPERSTRUCTURE PLAN
19. SUPERSTRUCTURE CROSS SECTION
20. SUPERSTRUCTURE DETAILS
21. SUPERSTRUCTURE BILL OF BARS
22. LIGHT STANDARD DETAILS
23. SOUTH STRUCTURAL APPROACH SLABS
24. NORTH STRUCTURAL APPROACH SLABS
25. STRUCTURAL APPR. SLAB DETAILS
26. SINGLE SLOPE PARAPET 42SS DETAILS
27. CONDUIT DETAILS
28. AESTHETIC DETAILS
29. TEMPORARY SHORING & COFFERDAM DETAILS

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED BMK 05/28/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
5992-11-24

STRUCTURE B-13-924 NB

NB JOHN NOLEN DRIVE OVER LAKE MONONA

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	GWK	DESIGNED CK'D	WAH	DRAWN BY	STD	PLANS CK'D	SKH

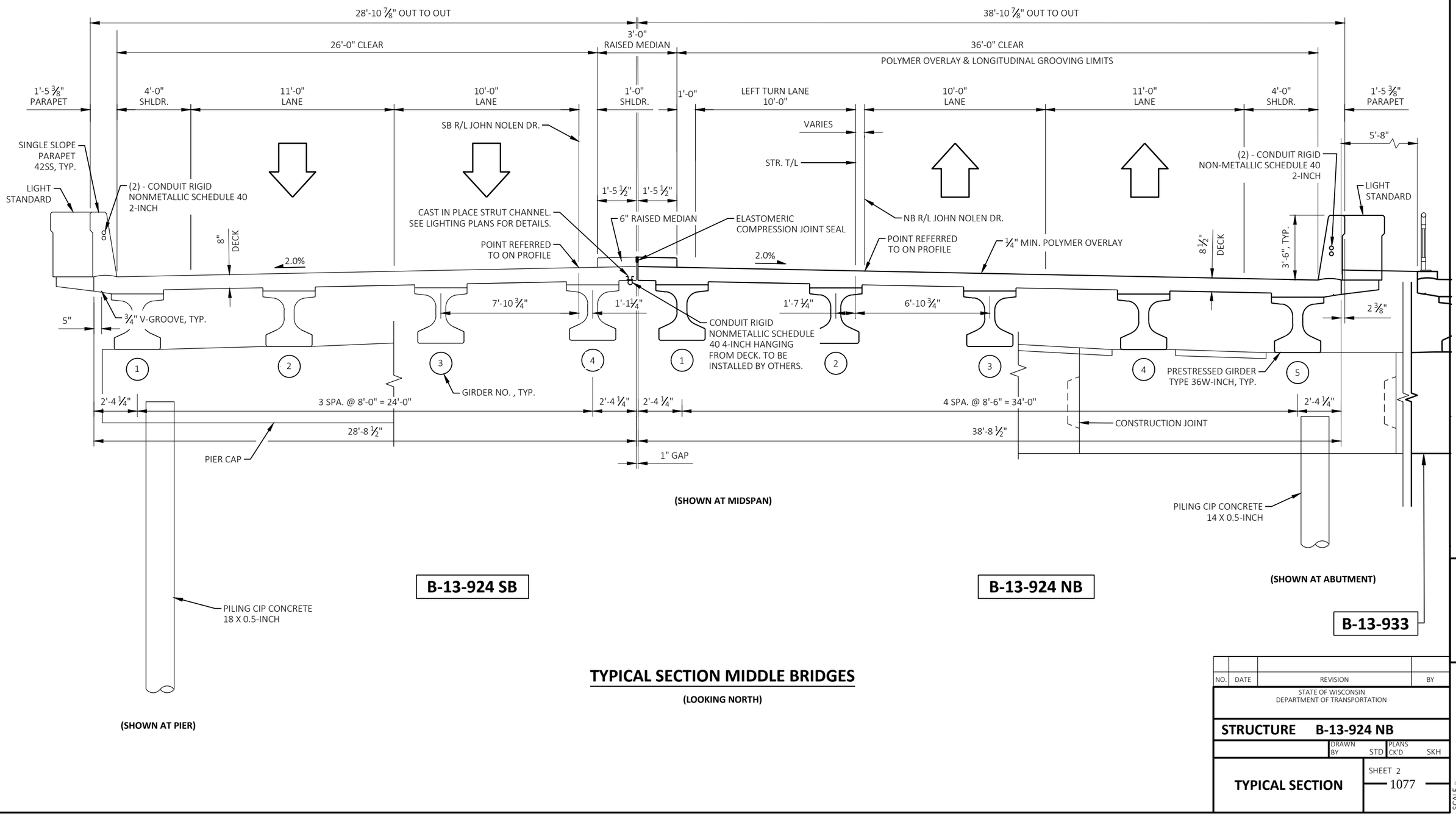
GENERAL PLAN & ELEVATION

SHEET 1 OF 29
1076

SCALE =
I.D.
DATE:

8
8

STATE PROJECT NUMBER
5992-11-24



(SHOWN AT MIDSPAN)

(SHOWN AT ABUTMENT)

(SHOWN AT PIER)

B-13-924 SB

B-13-924 NB

B-13-933

TYPICAL SECTION MIDDLE BRIDGES

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY STD | PLANS CK'D SKH

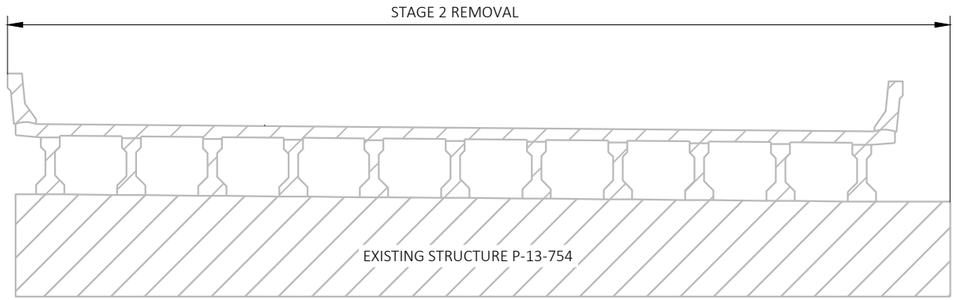
TYPICAL SECTION

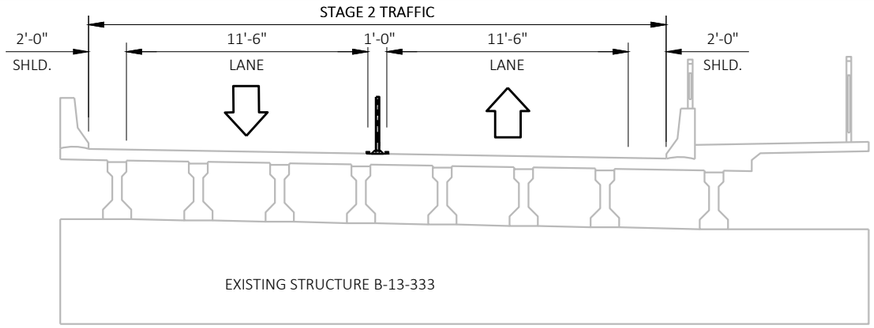
SHEET 2
1077

SCALE =

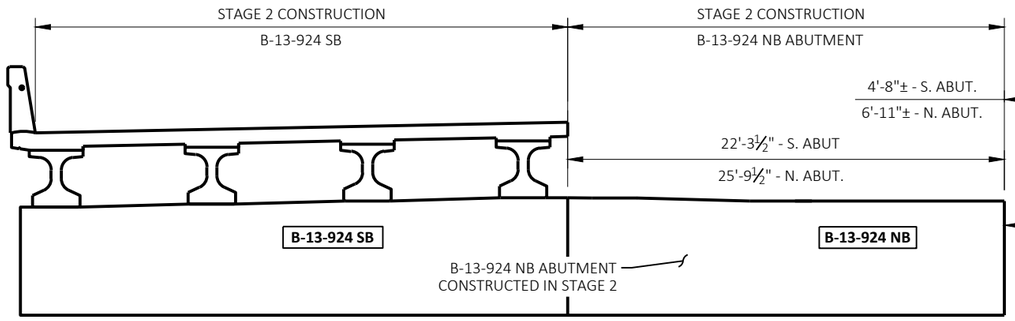
STATE PROJECT NUMBER

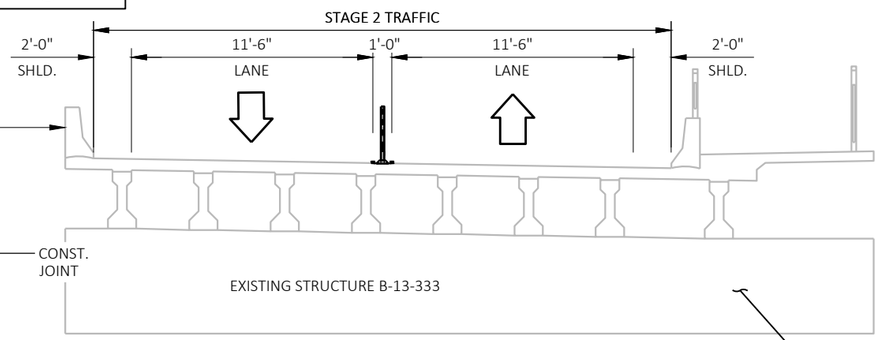
5992-11-24



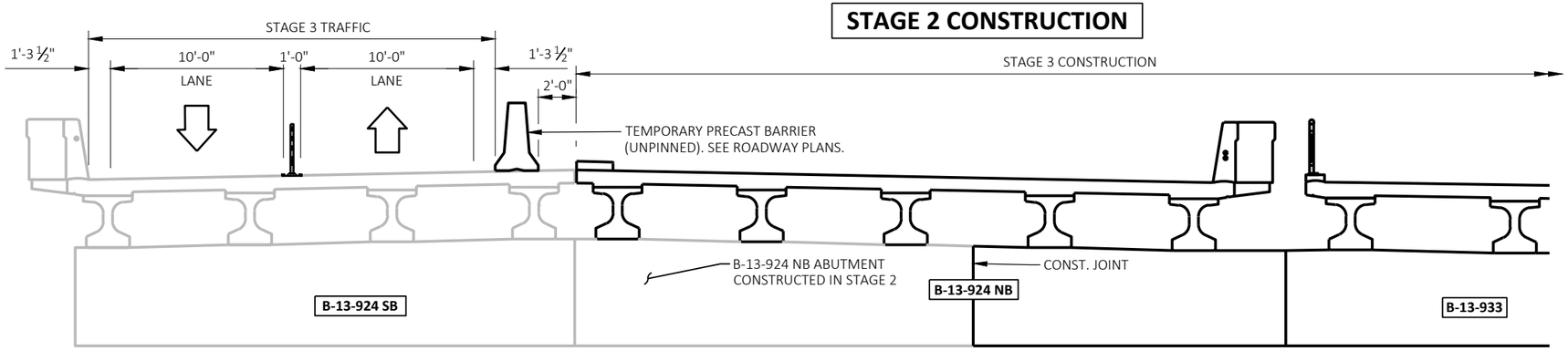


STAGE 2 REMOVAL

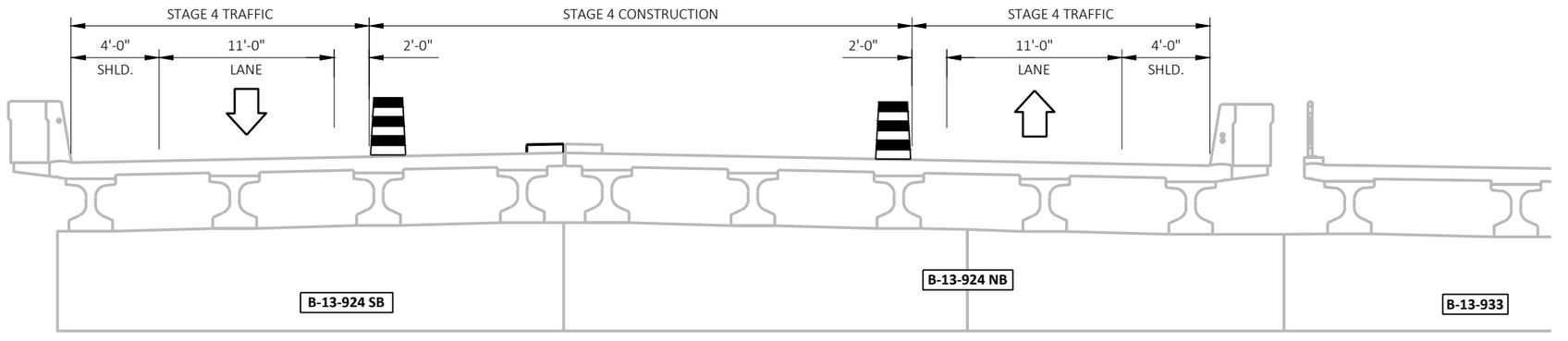




STAGE 2 CONSTRUCTION



STAGE 3



STAGE 4

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY STD | PLANS CK'D SKH

TRAFFIC STAGING DETAIL

SHEET 3
1078

SCALE =

STATE PROJECT NUMBER

5992-11-24

TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	STRUCT. APPR. SLAB	TOTAL
203.0260.01	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS B-13-333	EACH	---	---	---	---	---	1
206.1001.01	EXCAVATION FOR STRUCTURES BRIDGES B-13-924 NB	EACH	---	---	---	---	---	1
206.5001.01	COFFERDAMS B-13-924 NB	EACH	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	130	---	130	---	---	260
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	137	---	137	---	---	274
501.1000.S	ICE HOT WEATHER CONCRETING	LB	210	115	210	2,070	780	3,390
502.0100	CONCRETE MASONRY BRIDGES	CY	28.3	15.3	28.3	---	21.6	94
502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC (2 1/4 - INCH)	LF	---	---	---	174.5	---	175
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	776	169	945
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	86	20	106
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	864	---	864
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,630	6,700	2,620	---	---	11,950
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	---	---	---	60,880	17,790	78,670
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	1,360	---	1,360
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	5	10	5	---	---	20
506.4000.01	STEEL DIAPHRAGMS B-13-924 NB	EACH	---	---	---	16	---	16
509.5100.S	POLYMER OVERLAY	SY	---	---	---	698	---	698
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	10	---	10	---	---	19
517.1010.S.01	CONCRETE STAINING B-13-924 NB	SF	160	315	160	1,647	140	2,422
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	---	---	---	1	---	1
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	700	---	770	---	---	1,470
606.0300	RIPRAP HEAVY	CY	51	---	62	---	---	113
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	42	---	42	---	---	84
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	38	---	38	---	---	76
645.0120	GEOTEXTILE TYPE HR	SY	95	---	111	---	---	206
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	---	---	---	24	---	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	---	---	---	413	---	413
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	---	---	---	1	---	1
SPV.0035	HPC MASONRY STRUCTURES	CY	---	---	---	276.3	82.1	358
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	735	---	---	---	735
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	---	---	---	6,282	1,440	7,722
	NON-BID ITEMS							
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"	1/2"	3/4", 1" & 1 1/2"	

ALL BID ITEMS SHOWN ARE CATEGORY 0010

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY STD | PLANS CK'D SKH

QUANTITIES

SHEET 4

1079

SCALE =

STATE PROJECT NUMBER

5992-11-24

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-924 NB" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIANS
- PARAPETS ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

EXISTING BRIDGE STRUCTURE, B-13-333, A 36" PRESTRESSED GIRDER STRUCTURE. THE STRUCTURE WILL BE REMOVED AND PAID FOR UNDER "REMOVING STRUCTURE B-13-333". THE WIDTH IS 40'-4" OUT TO OUT WITH A BACK OF ABUTMENT TO BACK OF ABUTMENT LENGTH OF 168'-7".

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

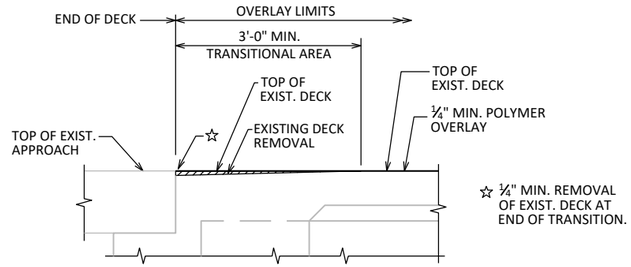
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-924 NB".

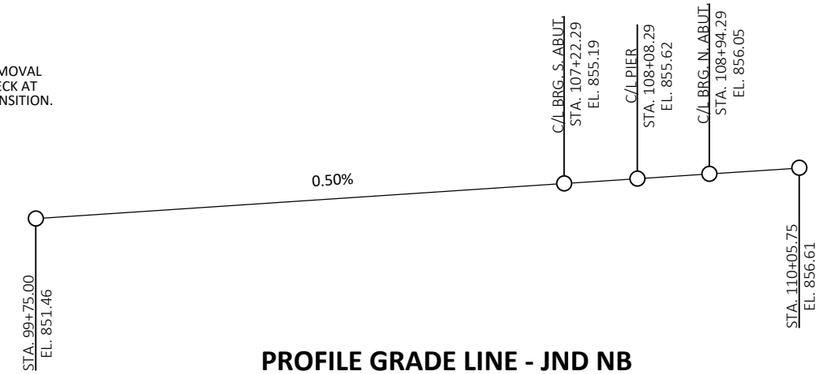
SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO BE PLACED ONLY ON THE DECK. POLYMER OVERLAY IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED DURING STAGE 3 CONSTRUCTION.

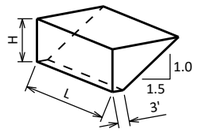
LONGITUDINAL GROOVING IS TO BE PLACED ON THE STRUCTURAL APPROACH SLABS AND THE BRIDGE DECK.



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION OR FIXED JOINT

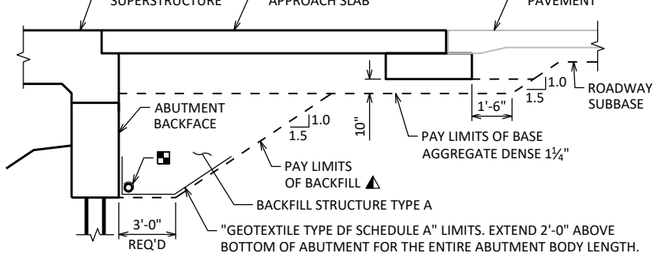


PROFILE GRADE LINE - JND NB



ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

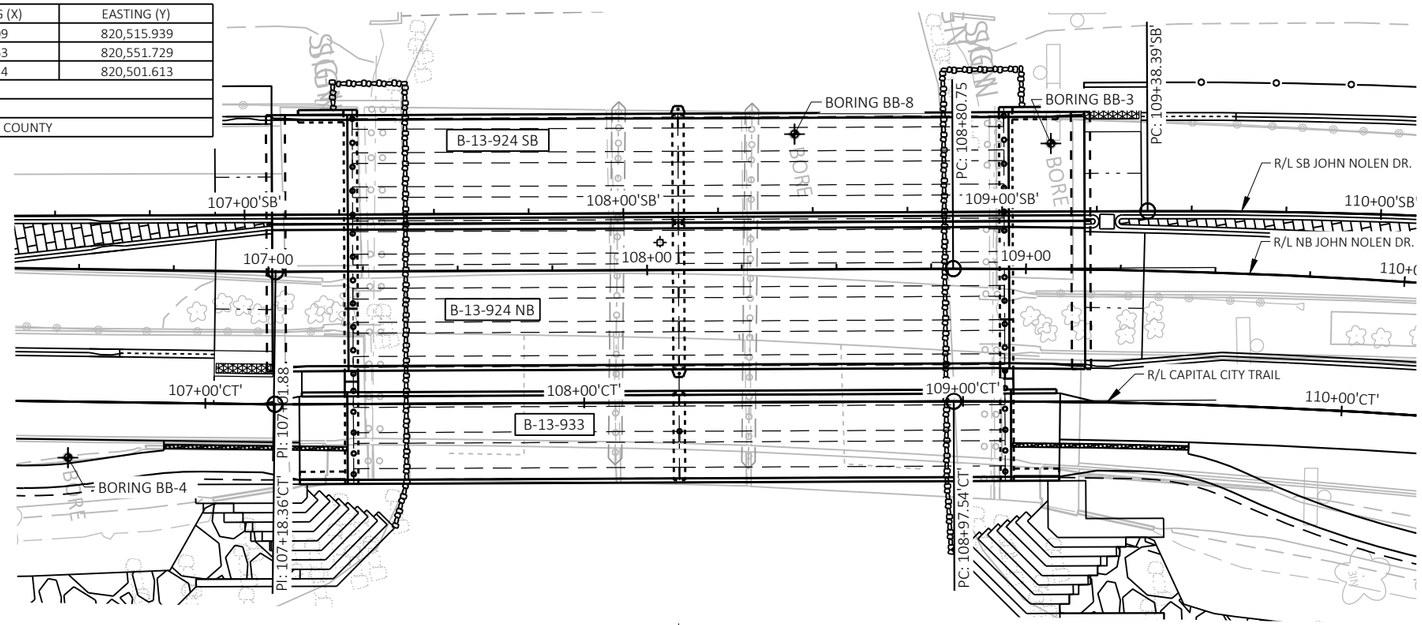
DRAWN BY STD | PLANS CK'D SKH

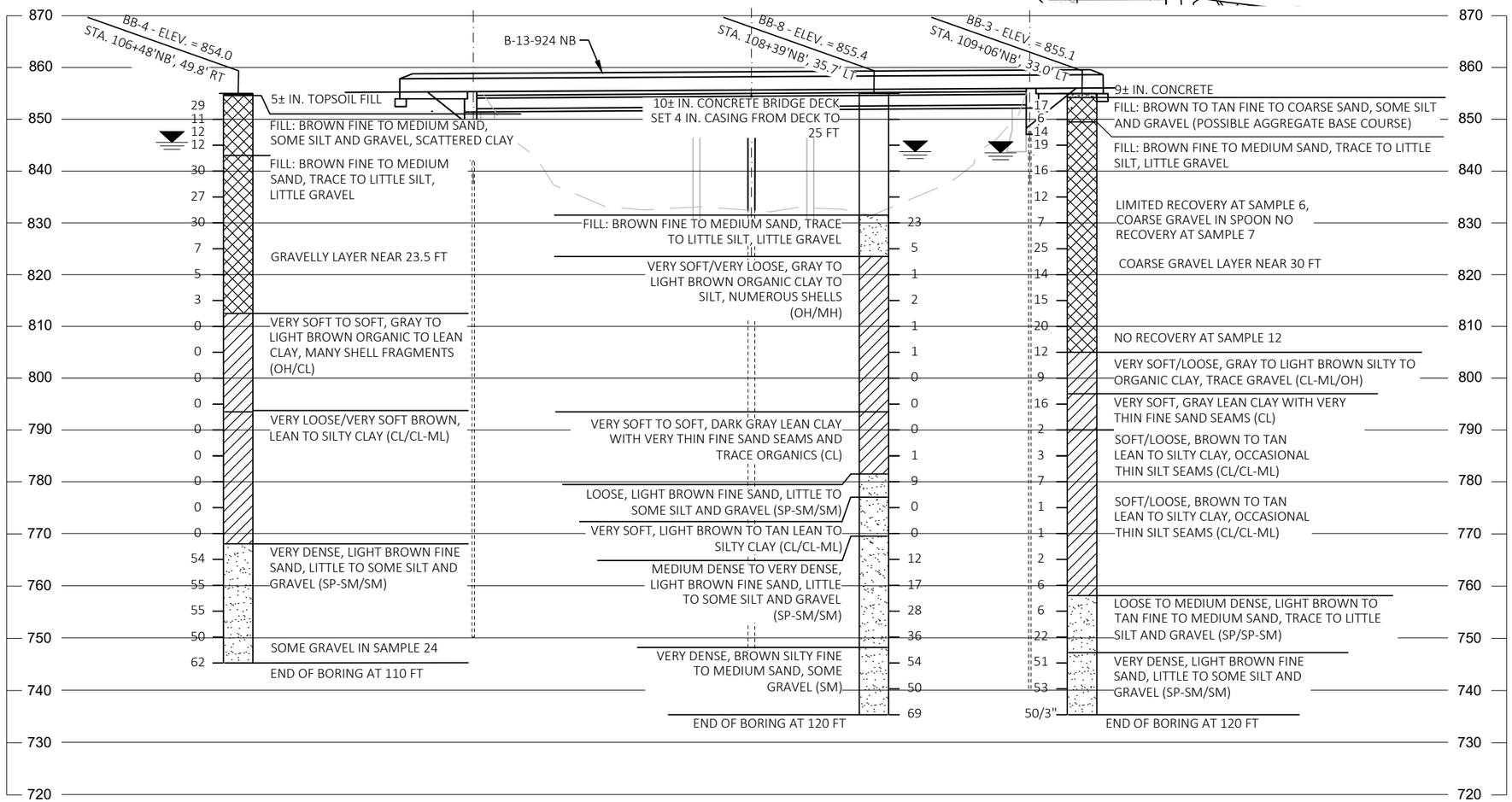
GENERAL NOTES, PROFILES & DETAILS

SHEET 5
1080

SCALE =

BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-3	4/23/2023	479,405.809	820,515.939
BORING BB-4	5/15/2023	464,003.963	820,551.729
BORING BB-8	5/10/2023	479,135.654	820,501.613
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





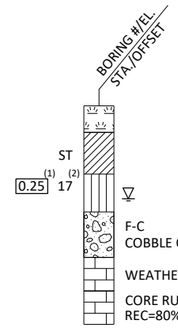
STATE PROJECT NUMBER

5992-11-24

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY STD | PLANS CK'D SKH

SUBSURFACE EXPLORATION

SHEET 6
1081

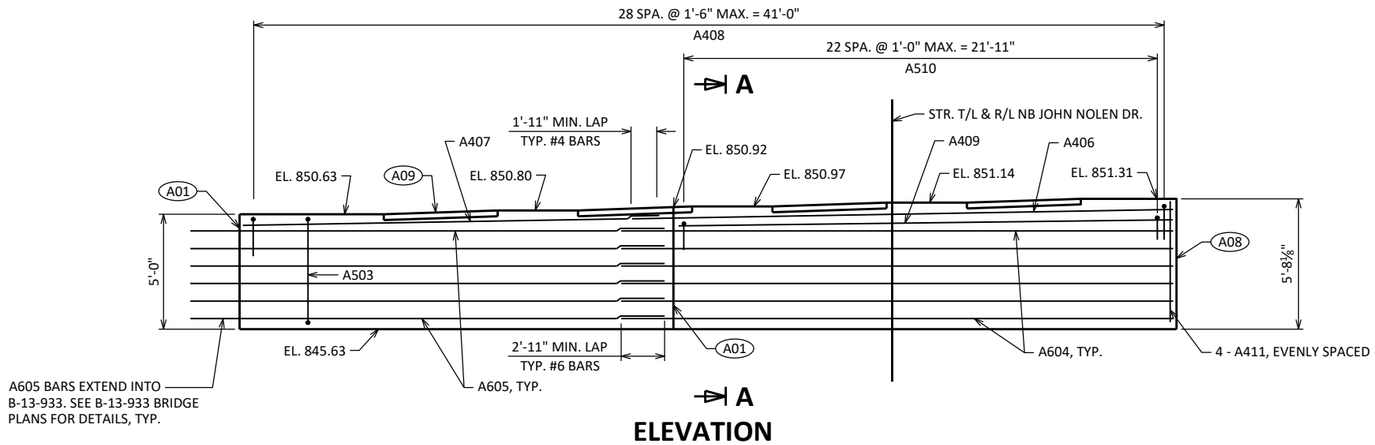
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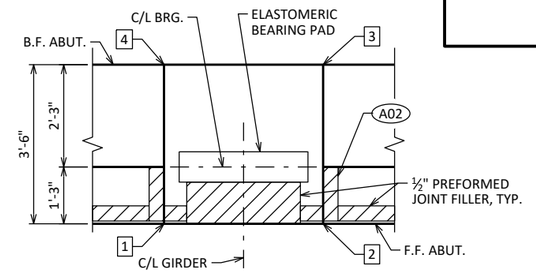
STATE PROJECT NUMBER

5992-11-24



ELEVATION

(LOOKING SOUTH)

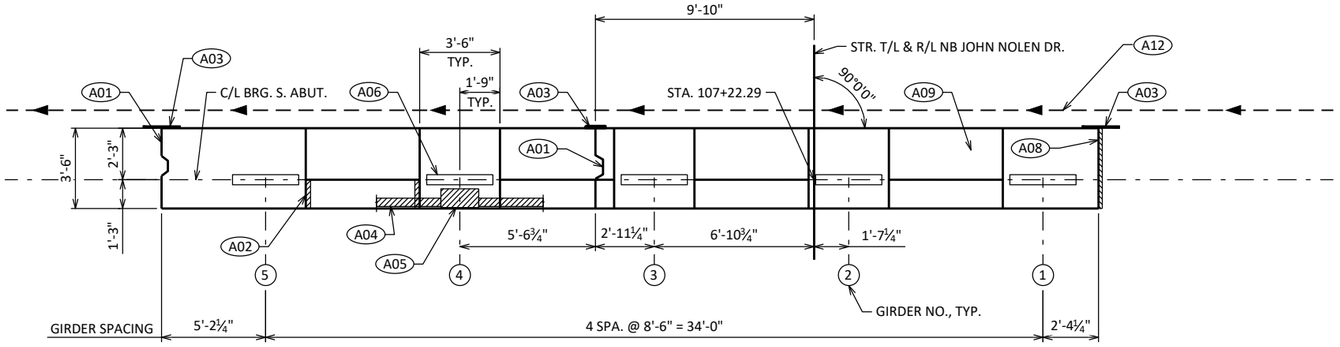


SLOPING BEAM SEAT DETAILS

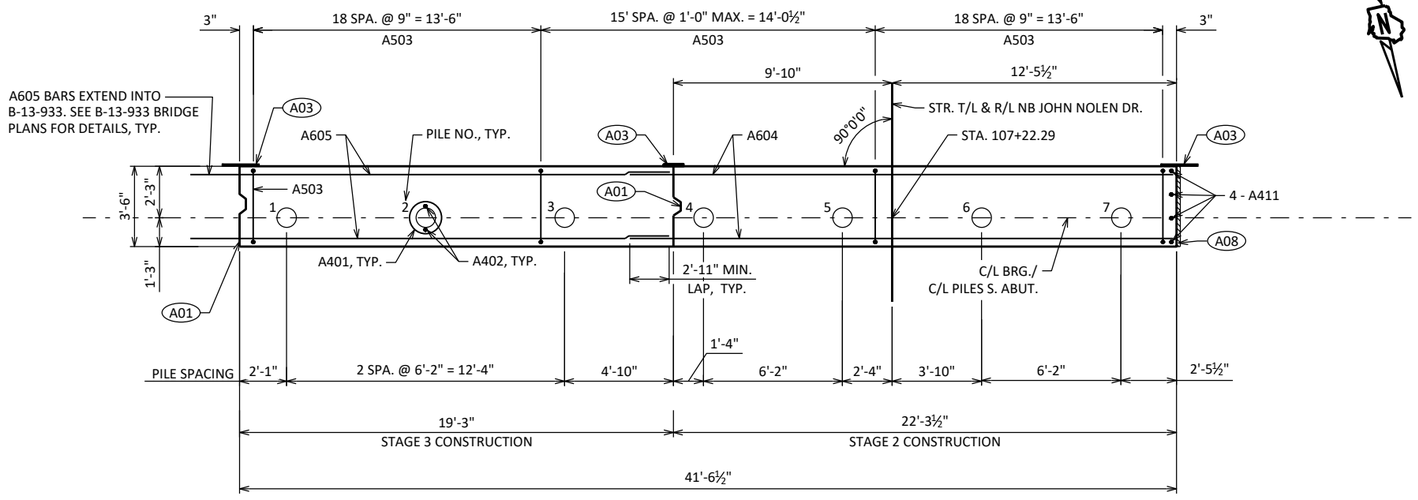
ELEVATION CORRECTION AT POINTS			
1	2	3	4
+0.01	+0.01	-0.03	-0.03

ABUTMENT BEAM SEAT TABLE (A10)

(TYPICAL ALL GIRDERS)



PLAN



PILE PLAN

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.

(A01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT. FOR ALTERNATE CONST. JT. DETAILS SEE "SUBSTRUCTURE DETAILS" SHEET.

(A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.

(A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.

(A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.

(A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.

(A08) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN ABUTMENT LENGTH.

(A09) SLOPE BETWEEN BEAM SEATS, TYP.

(A10) VALUES ARE IN FEET. ADD THESE VALUES TO THE BEAM SEAT ELEVATIONS SHOWN TO OBTAIN ELEVATIONS AT POINTS 1, 2, 3, & 4.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT

SHEET 7
1082

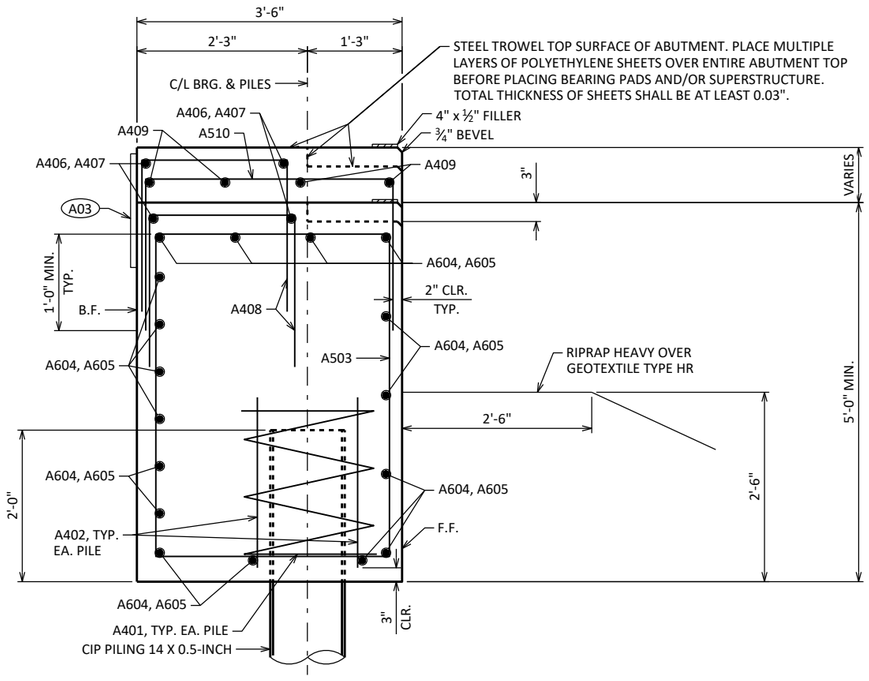
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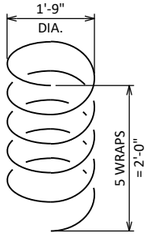
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STATE PROJECT NUMBER

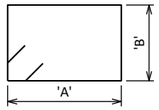
5992-11-24



SECTION A-A

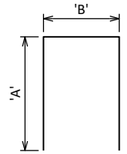


A401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-4"

A503



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A408	2'-0"	1'-11"
A510	1'-9"	3'-2"

A408, A510

BILL OF BARS

TOTAL UNCOATED = 2,630 LBS.

BAR MARK	NO. REQ'D STAGE 2	NO. REQ'D STAGE 3	LENGTH	COAT	BENT	LOCATION
A401	4	3	28'-0"		X	ABUT. BODY - PILES
A402	8	6	2'-3"			ABUT. BODY - PILES
A503	28	24	15'-8"		X	ABUT. BODY - STIRRUP
A604	17	0	25'-3"			ABUT. BODY - LONG.
A605	0	17	22'-9"			ABUT. BODY - LONG.
A406	2	0	24'-3"			ABUT. BODY - LONG. TOP
A407	0	2	18'-11"			ABUT. BODY - LONG. TOP
A408	16	13	5'-9"		X	ABUT. BODY - VERT.
A409	4	0	21'-11"			ABUT. BODY - LONG.
A510	23	0	6'-5"		X	ABUT. BODY - VERT.
A411	4	0	5'-3"			ABUT. BODY - VERT. W. END

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL, AND ALTERNATE CONSTRUCTION JOINT DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT DETAILS

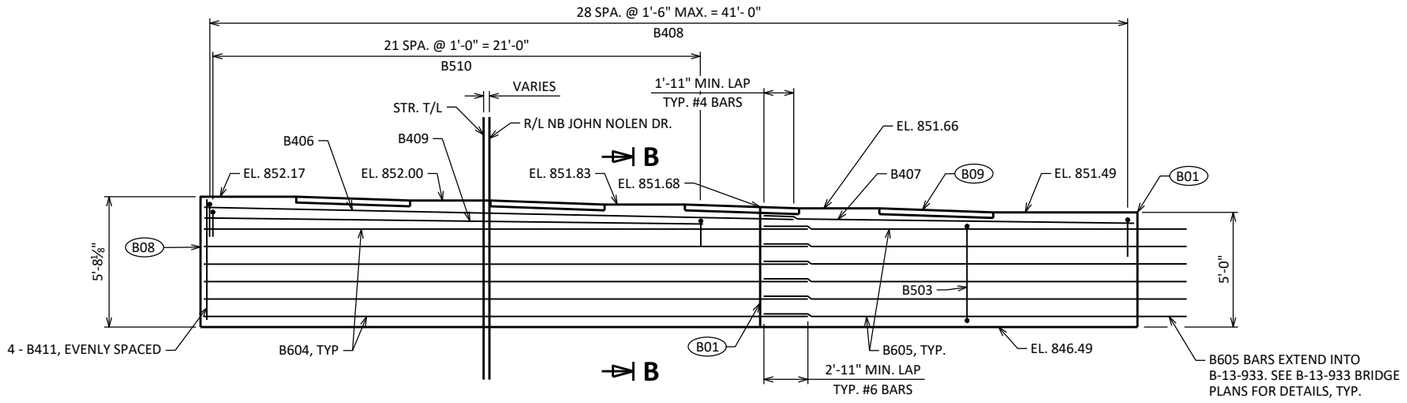
SHEET 8
1083

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LAYOUT NAME - SHT2C

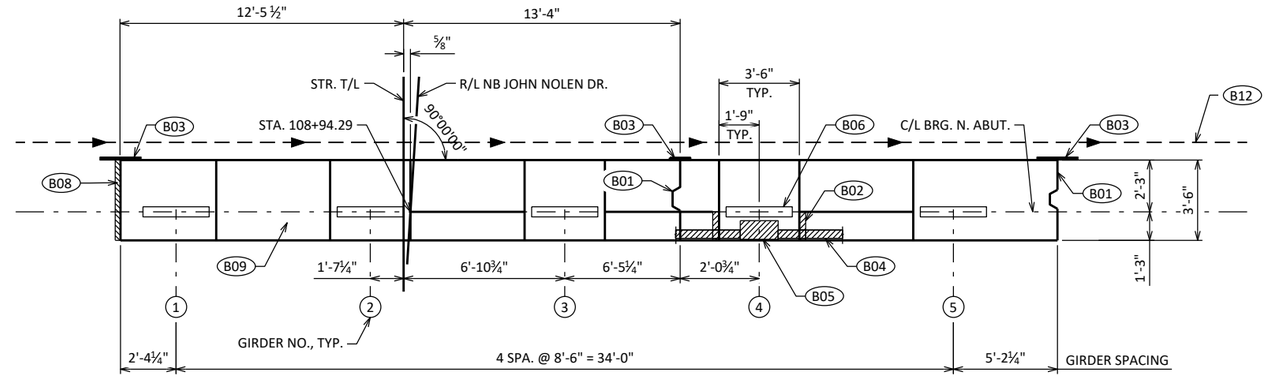
STATE PROJECT NUMBER

5992-11-24

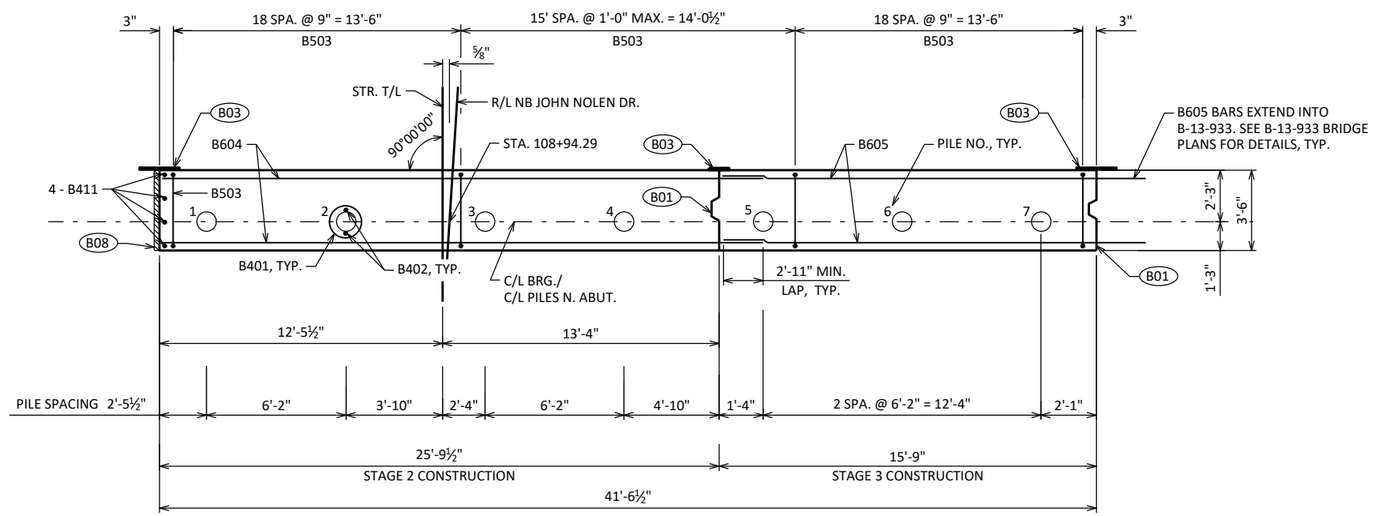


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

NOTES

FOR SECTION B-B SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ○ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 200 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 110'.
- (B01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT. FOR ALTERNATE CONST. JT. DETAILS SEE "ABUTMENT DETAILS" SHEET.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B08) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN ABUTMENT LENGTH.
- (B09) SLOPE BETWEEN BEAM SEATS, TYP.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

N

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT

SHEET 9
1084

SCALE = 10.0

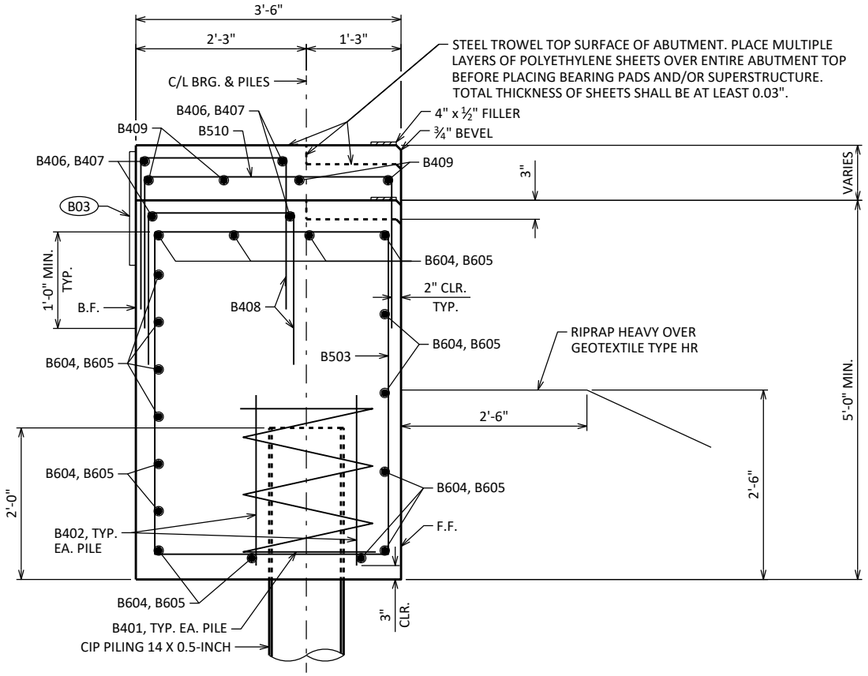
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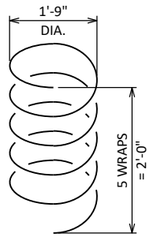
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

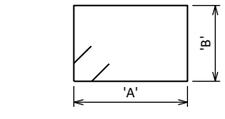
5992-11-24



SECTION B-B

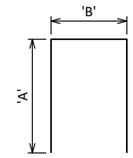


B401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-4"

B503



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B408	2'-0"	1'-11"
B510	1'-9"	3'-2"

B408, B510

BILL OF BARS

TOTAL UNCOATED = 2,620 LBS.

BAR MARK	NO. REQ'D STAGE 2	NO. REQ'D STAGE 3	LENGTH	COAT	BENT	LOCATION
B401	4	3	28'-0"		X	ABUT. BODY - PILES
B402	8	6	2'-3"			ABUT. BODY - PILES
B503	31	21	15'-8"		X	ABUT. BODY - STIRRUP
B604	17	0	28'-9"			ABUT. BODY - LONG.
B605	0	17	19'-3"			ABUT. BODY - LONG.
B406	2	0	27'-9"			ABUT. BODY - LONG. TOP
B407	0	2	15'-5"			ABUT. BODY - LONG. TOP
B408	18	11	5'-9"		X	ABUT. BODY - VERT.
B409	4	0	21'-0"			ABUT. BODY - LONG.
B510	22	0	6'-5"		X	ABUT. BODY - VERT.
B411	4	0	5'-3"			ABUT. BODY - VERT. W. END

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL, AND ALTERNATE CONSTRUCTION JOINT DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT DETAILS

SHEET 10
1085

SCALE = 2.0

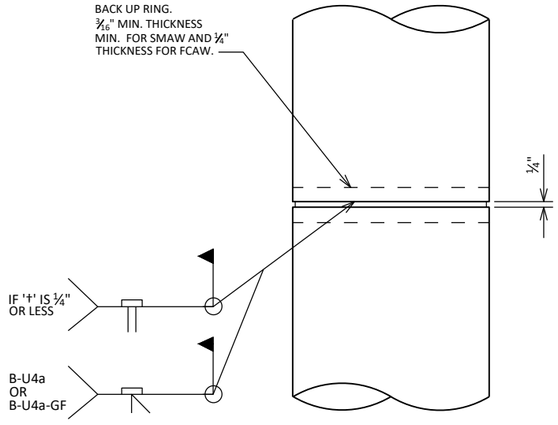
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8

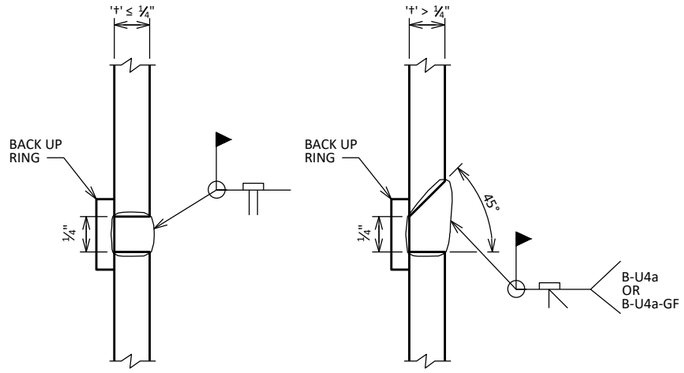
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080109_AB.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

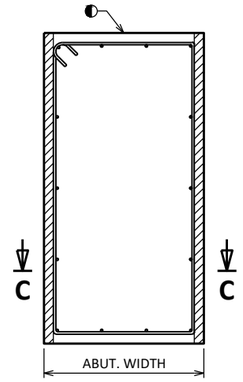
5992-11-24



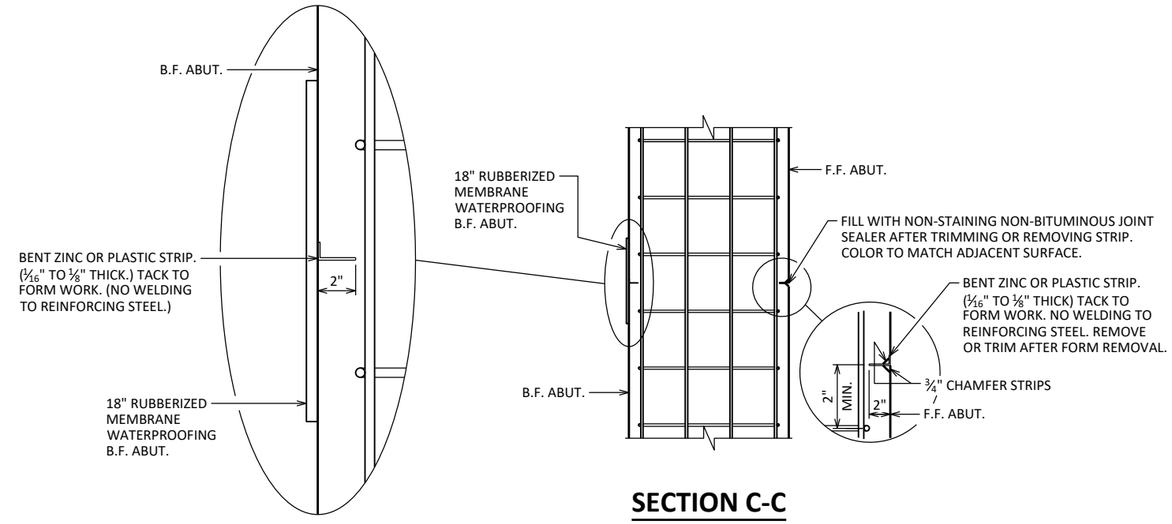
CAST-IN-PLACE 'PILE PIPE'



CIP PILE WELD DETAIL

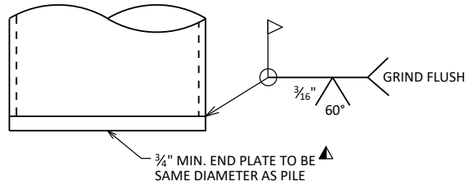


SECTION THRU ABUTMENT BODY



SECTION C-C

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT



END PLATE DETAIL

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

LEGEND

◐ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY ½" DEEP.

◭ THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILTY ANALYSIS PREFORMED BY THE CONTRACTOR. ¾" MINIMUM REQUIRED.

F.F. - FRONT FACE

B.F. - BACK FACE

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SUBSTRUCTURE DETAILS

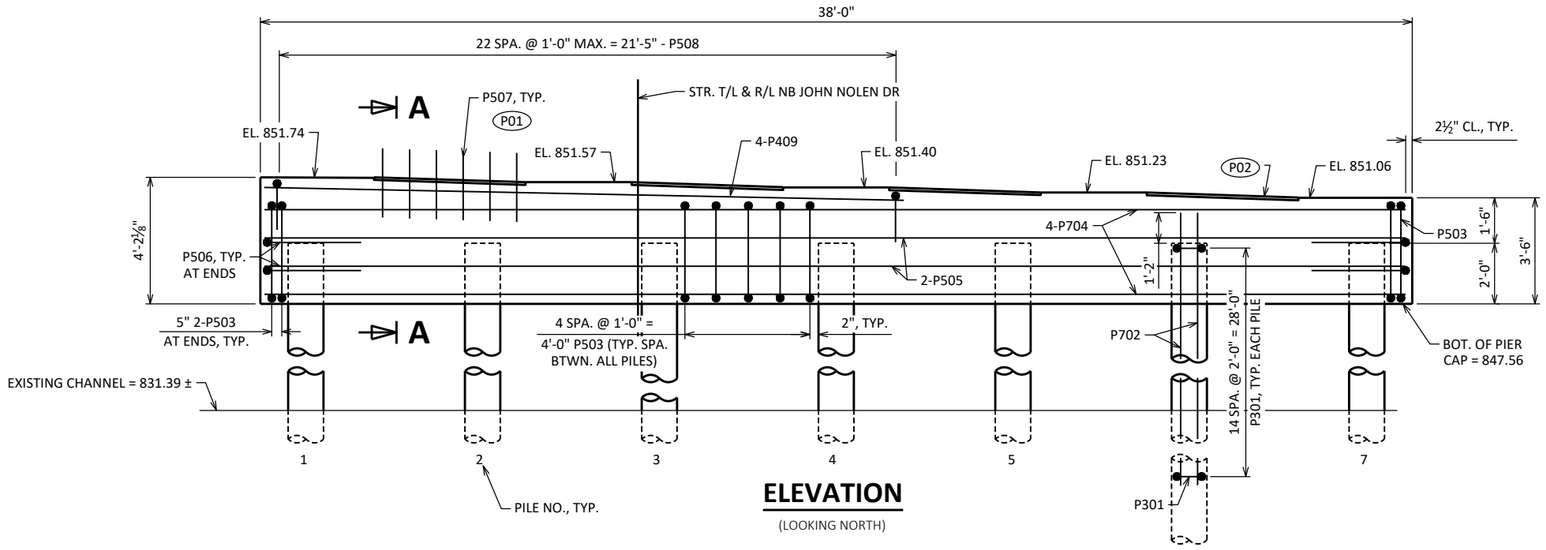
SHEET 11
1086

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080110_ABD.DWG
LAYOUT NAME - ABUTMENT DETAILS

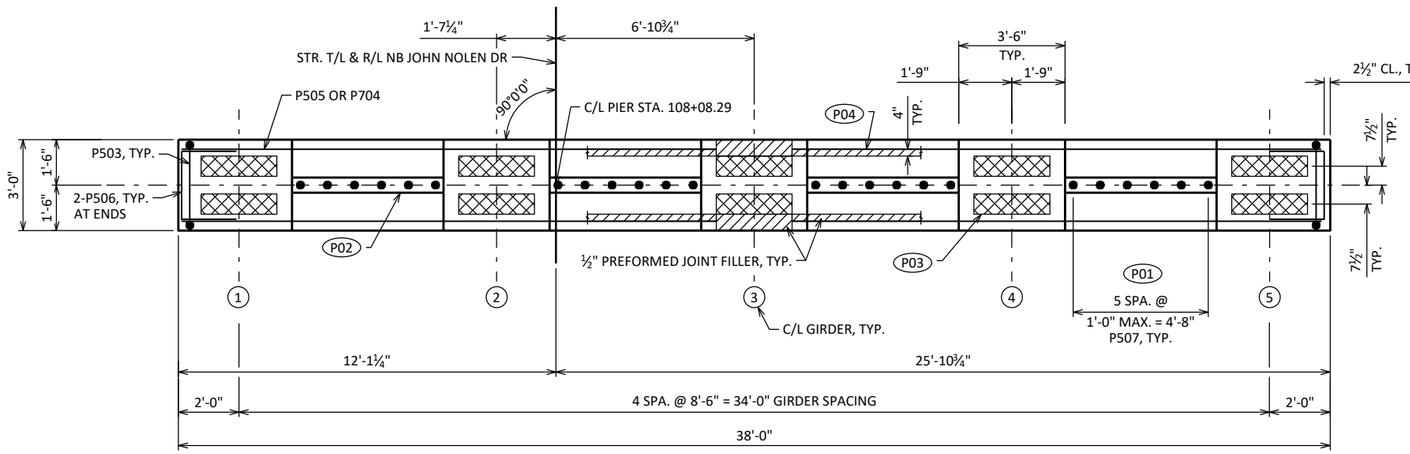
STATE PROJECT NUMBER

5992-11-24

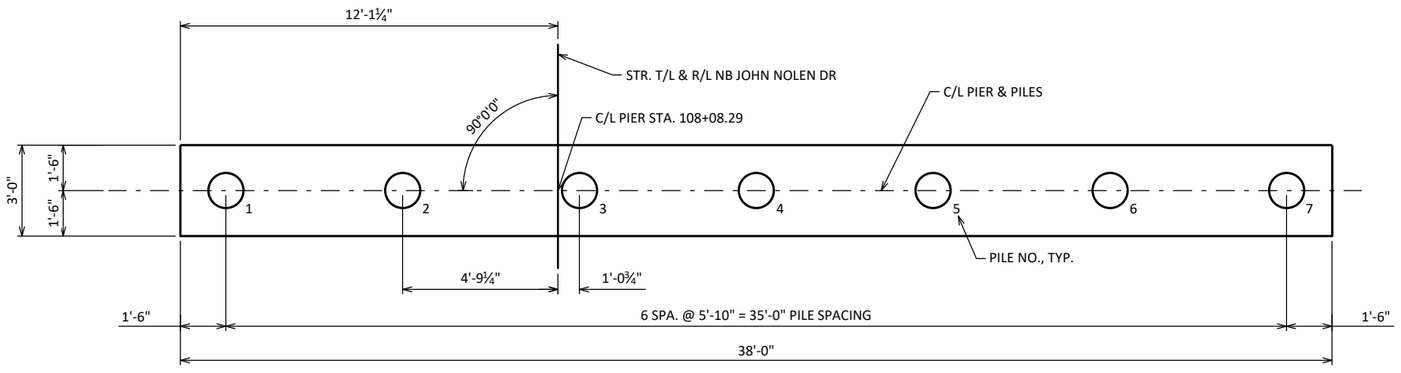


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.
- ◯ 18 X 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 370 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.
- (#) INDICATES GIRDER NUMBER

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.



NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

PIER

SHEET 12
1087

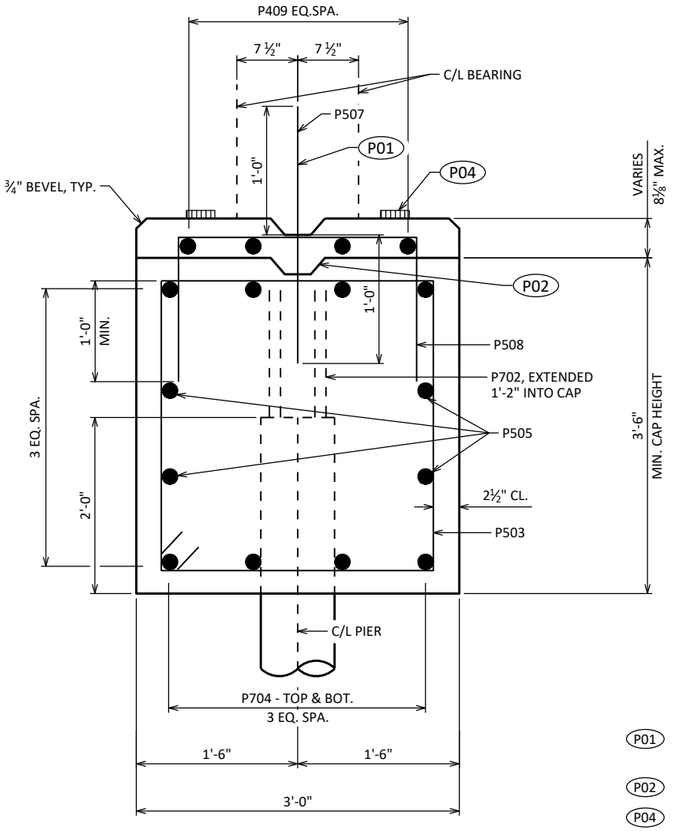
SCALE =

8

8

STATE PROJECT NUMBER

5992-11-24



SECTION A-A

BILL OF BARS

TOTAL UNCOATED = 6,700 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
P301	105	5'-0"		X	PILES - TIES
P702	84	29'-4"			PILES - LONGITUDINAL
P503	34	12'-0"		X	CAP - STRRUPS
P704	8	37'-7"			CAP - HORIZ. - TOP & BOT.
P505	4	37'-7"			CAP - HORIZ. - SIDES
P506	4	5'-1"		X	CAP - STIRRUPS - ENDS
P507	24	2'-0"			CAP - VERT. - TIES TO DIAPHRAGM
P508	23	5'-10"		X	CAP - STIRRUPS - TOP
P409	4	21'-5"			CAP - HORIZ. - TOP

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

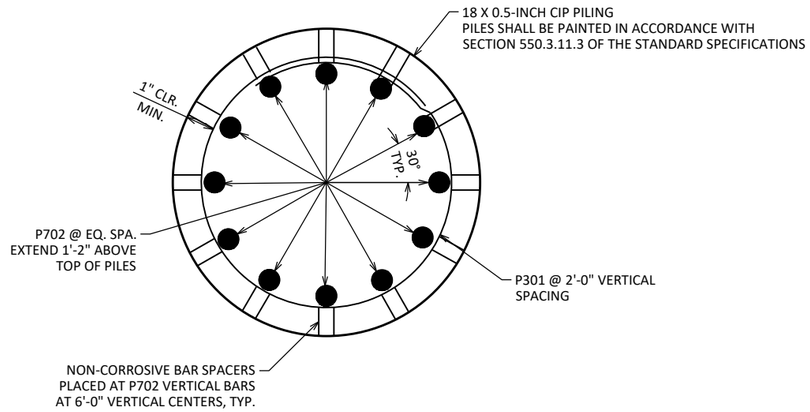
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

LEGEND

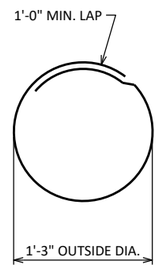
(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X6" BETWEEN SEATS.

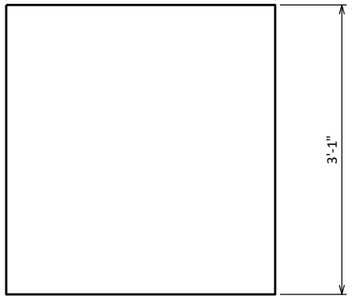
(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.



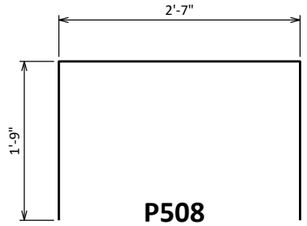
SECTION THRU CONCRETE CAST-IN-PLACE PILING



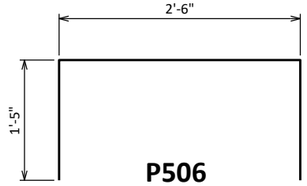
P301



P503



P508



P506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

PIER DETAILS

SHEET 13
1088

SCALE = 4.0

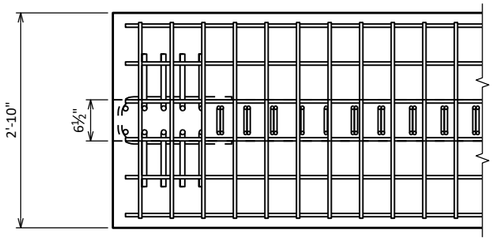
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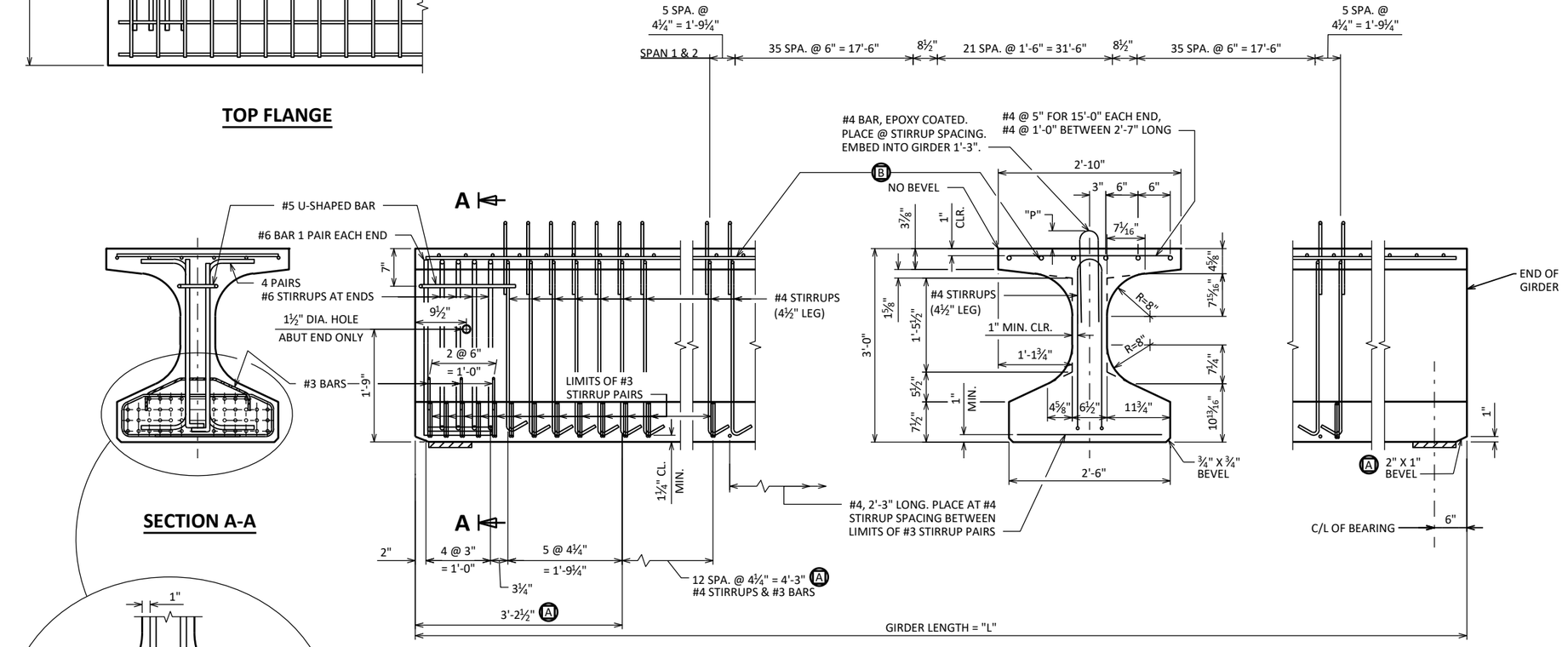
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

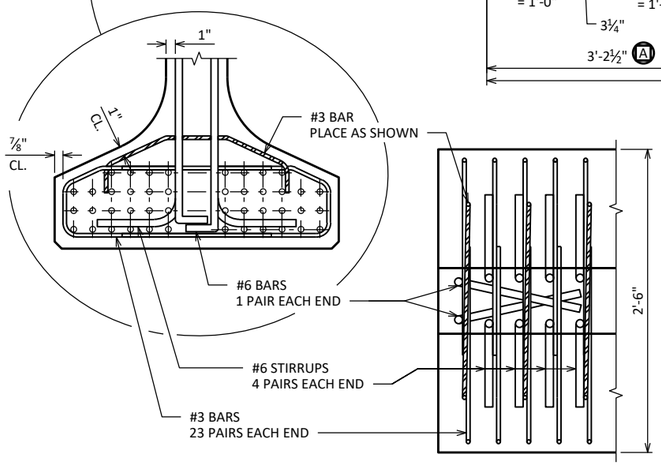
5992-11-24



TOP FLANGE



SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

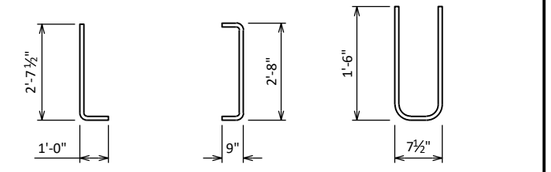
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

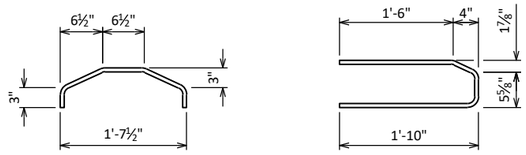
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.





⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

⚹⚹ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ⚹⚹ 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1 & 2	2-4	86'-4½"	⅝"	1¼"	1⅝"	2"	2"	2"	1⅝"	1¼"	⅝"	8,000	8"	7"	8"	0.6	30	6,800	32	11	14	4	---	---
1 & 2	1 & 5	86'-4½"	½"	1"	1⅜"	1⅝"	1¾"	1⅝"	1⅜"	1"	½"	8,000	8"	7"	8"	0.6	30	6,800	32	11	14	4	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER

SHEET 14
1089

SCALE = 2.0

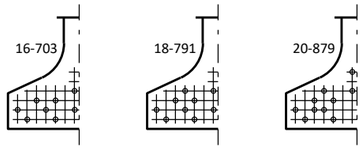
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8

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LAYOUT NAME - 36W PS GIRDER

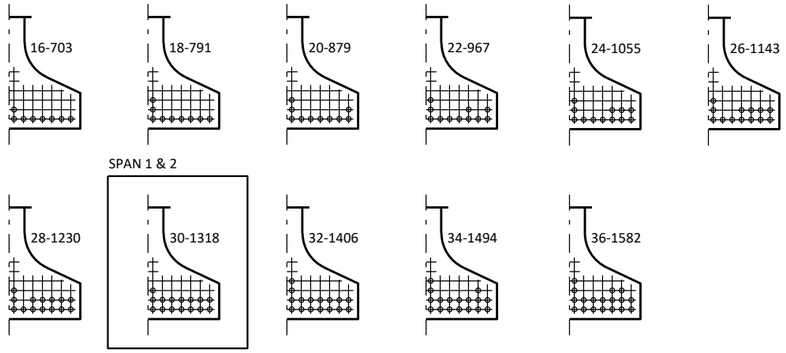
STATE PROJECT NUMBER

5992-11-24



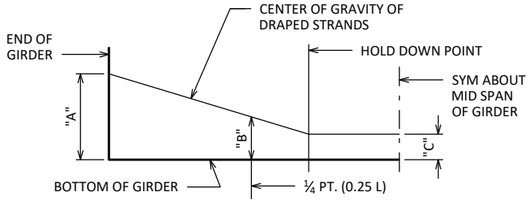
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS



ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



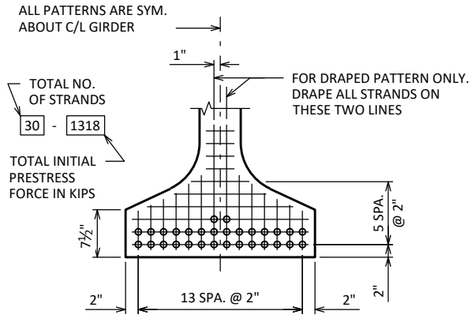
DRAPED STRAND PROFILE

⚹ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

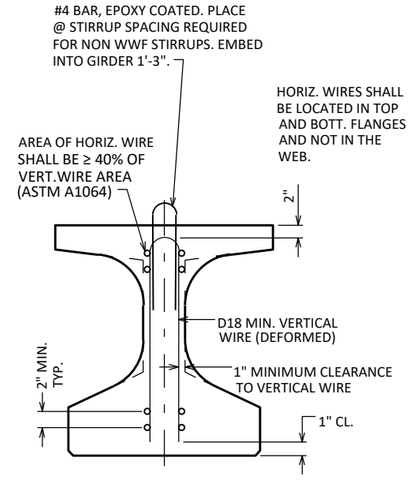
SPAN	DRAPED PATTERN CAMBER (IN.) ⚹
1 & 2	3.50

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

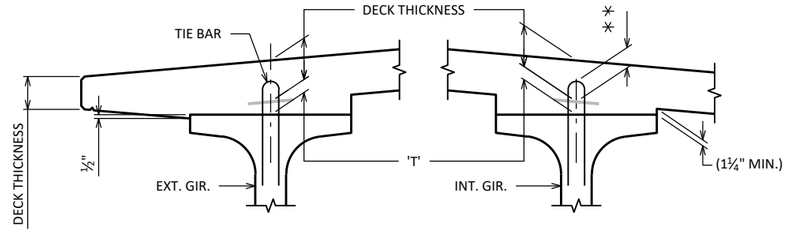


TYP. STRAND PATTERN



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



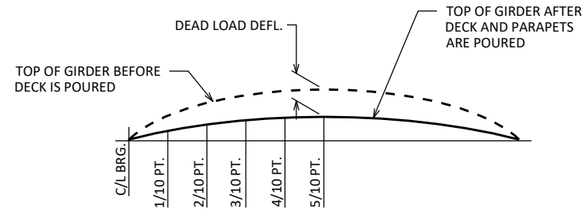
DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,
⚹⚹ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3½" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".



CAMBER AND DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER DETAILS

SHEET 15
1090

SCALE = 2.0

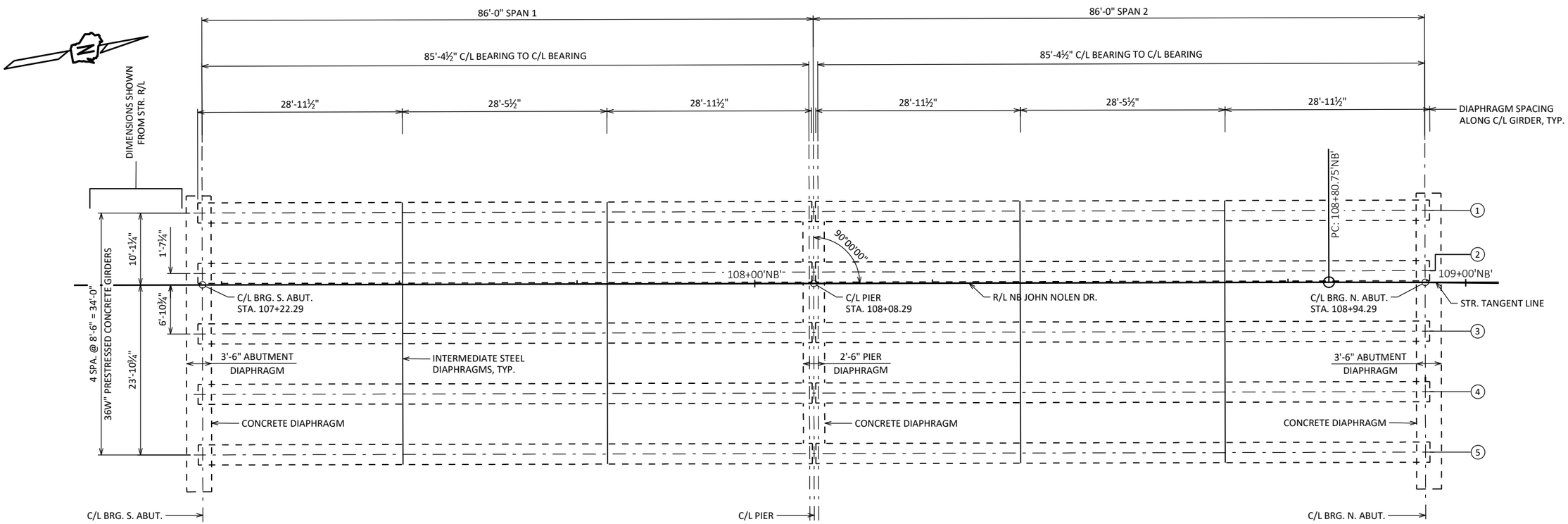
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080114_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER

5992-11-24



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
STATION	107+22.29	107+30.89	107+39.49	107+48.09	107+56.69	107+65.29	107+73.89	107+82.49	107+91.09	107+99.69	108+08.29
WEST EDGE OF DECK	855.41	855.46	855.50	855.54	855.58	855.63	855.67	855.71	855.76	855.80	855.84
GIRDER 1	855.39	855.44	855.48	855.52	855.56	855.61	855.65	855.69	855.74	855.78	855.82
GIRDER 2	855.22	855.27	855.31	855.35	855.39	855.44	855.48	855.52	855.57	855.61	855.65
R/L	855.19	855.24	855.28	855.32	855.36	855.41	855.45	855.49	855.54	855.58	855.62
GIRDER 3	855.05	855.10	855.14	855.18	855.22	855.27	855.31	855.35	855.40	855.44	855.48
GIRDER 4	854.88	854.93	854.97	855.01	855.05	855.10	855.14	855.18	855.23	855.27	855.31
GIRDER 5	854.71	854.76	854.80	854.84	854.88	854.93	854.97	855.01	855.06	855.10	855.14
EAST EDGE OF DECK	854.69	854.74	854.78	854.82	854.86	854.91	854.95	854.99	855.04	855.08	855.12

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
STATION	108+08.29	108+16.89	108+25.49	108+34.09	108+42.69	108+51.29	108+59.89	108+68.49	108+77.09	108+85.69	108+94.29
WEST EDGE OF DECK	855.84	855.89	855.93	855.97	856.01	856.06	856.10	856.14	856.19	856.23	856.27
GIRDER 1	855.82	855.87	855.91	855.95	855.99	856.04	856.08	856.12	856.17	856.21	856.25
GIRDER 2	855.65	855.70	855.74	855.78	855.82	855.87	855.91	855.95	856.00	856.04	856.08
R/L	855.62	855.67	855.71	855.75	855.79	855.84	855.88	855.92	855.97	856.01	856.05
GIRDER 3	855.48	855.53	855.57	855.61	855.65	855.70	855.74	855.78	855.83	855.87	855.91
GIRDER 4	855.31	855.36	855.40	855.44	855.48	855.53	855.57	855.61	855.66	855.70	855.74
GIRDER 5	855.14	855.19	855.23	855.27	855.31	855.36	855.40	855.44	855.49	855.53	855.57
EAST EDGE OF DECK	855.12	855.17	855.21	855.25	855.29	855.34	855.38	855.42	855.47	855.51	855.55

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

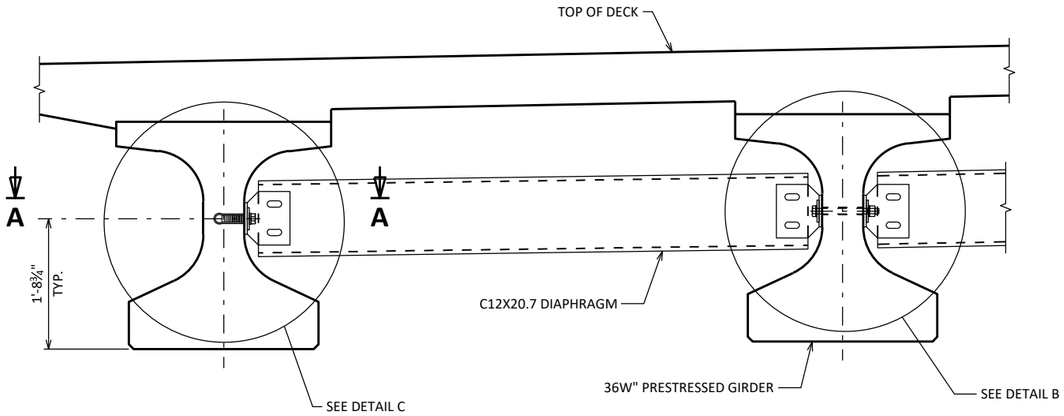
DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE FRAMING PLAN

SHEET 16
1091

STATE PROJECT NUMBER

5992-11-24



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

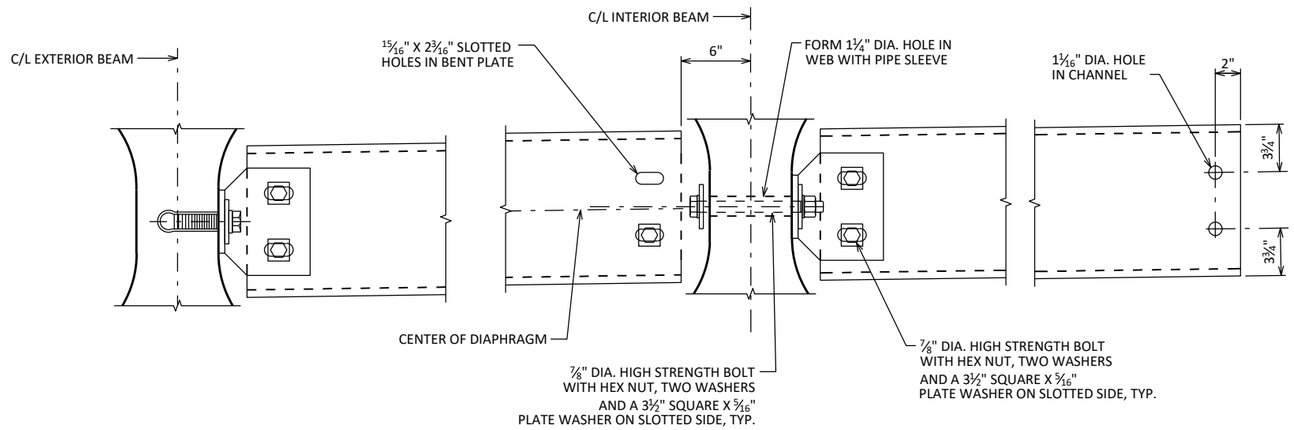
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-924 NB" , EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

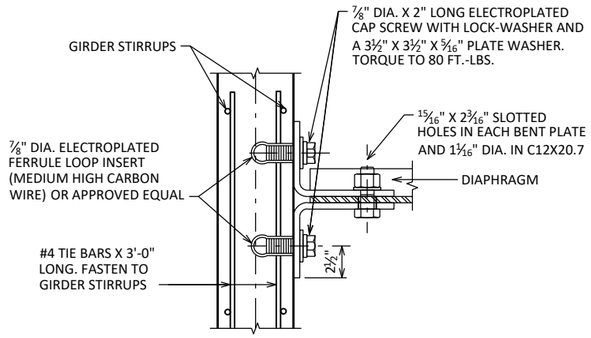
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

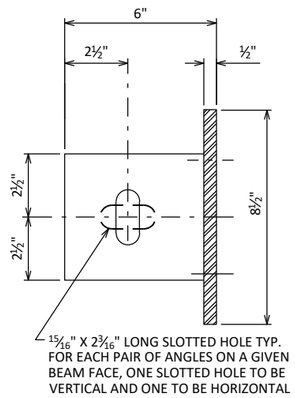
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



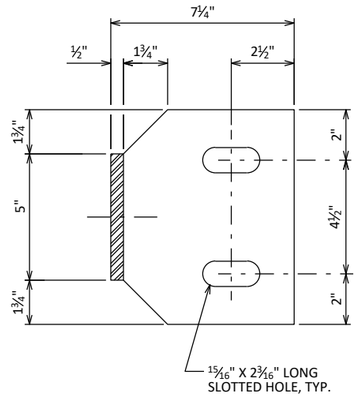
DETAIL C **DETAIL B**



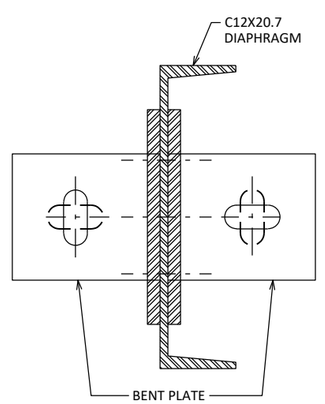
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

STEEL DIAPHRAGM

SHEET 17
1092

SCALE = 2.0

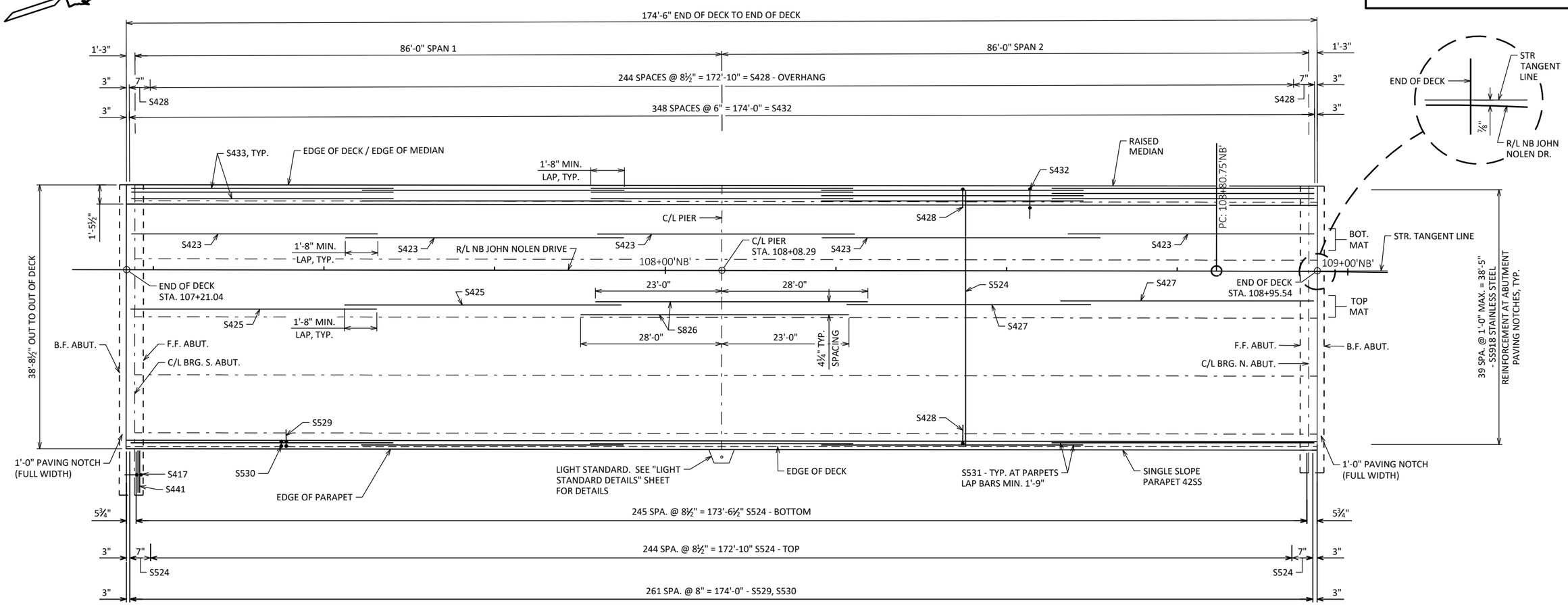
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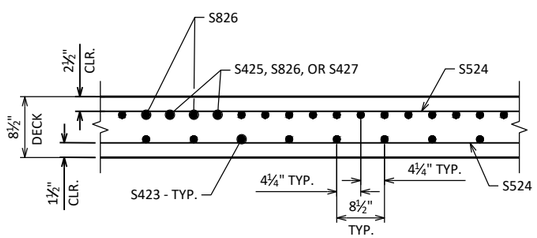
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080116_SD.DWG
LAYOUT NAME - SHT2C

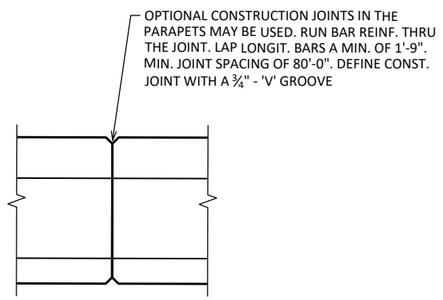
STATE PROJECT NUMBER

5992-11-24





CROSS SECTION THRU DECK AT PIER



SECTION THRU PARAPET ON DECK

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY STD | PLANS CK'D WAH

SUPERSTRUCTURE PLAN

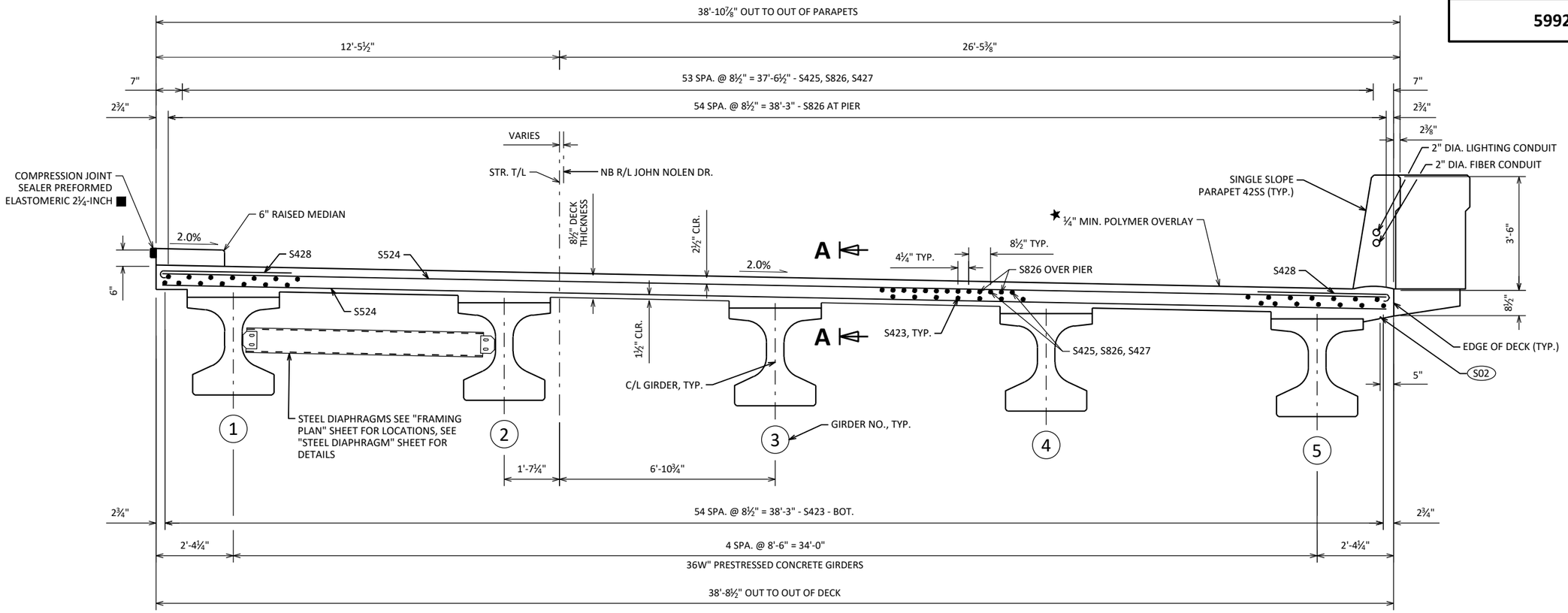
SHEET 18
1093

8

8

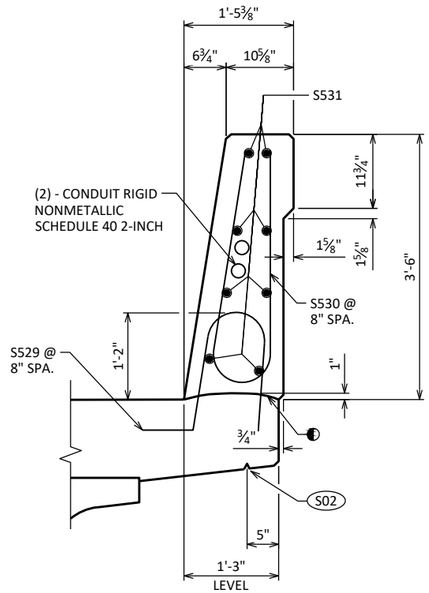
STATE PROJECT NUMBER

5992-11-24

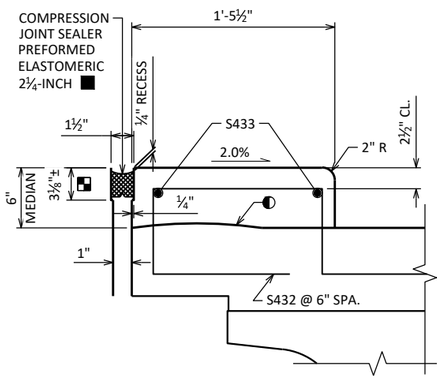


CROSS SECTION THRU SUPERSTRUCTURE

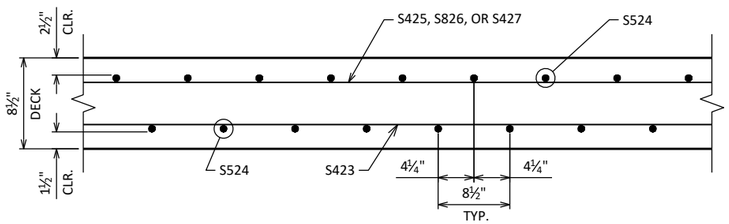
LOOKING NORTH



SECTION THRU PARAPET ON BRIDGE - SINGLE SLOPE PARAPET 42SS



SECTION THRU MEDIAN ON BRIDGE



SECTION A-A

(TRANSVERSE BAR STAGGER DETAIL)

NOTES

CAST S529 & S432 BARS INTO DECK PRIOR TO POURING PARAPETS.

LAP LONGITUDINAL NO. 5 BARS IN PARAPET AT 1'-9" MIN.

LEGEND

- (S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).
- CONST. JT. - STRIKE OFF AS SHOWN AND LEAVE ROUGH. FOR DECK POUR MATCH BRIDGE X-SLOPE.
- VARIES BASED ON JOINT MANUFACTURER
- MANUFACTURER SHALL LABEL TOP OF SEAL
- SEE "GENERAL NOTES, PROFILES & DETAILS" SHEET FOR REQUIRED TRANSITION AT DECK ENDS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE CROSS SECTION

SHEET 19

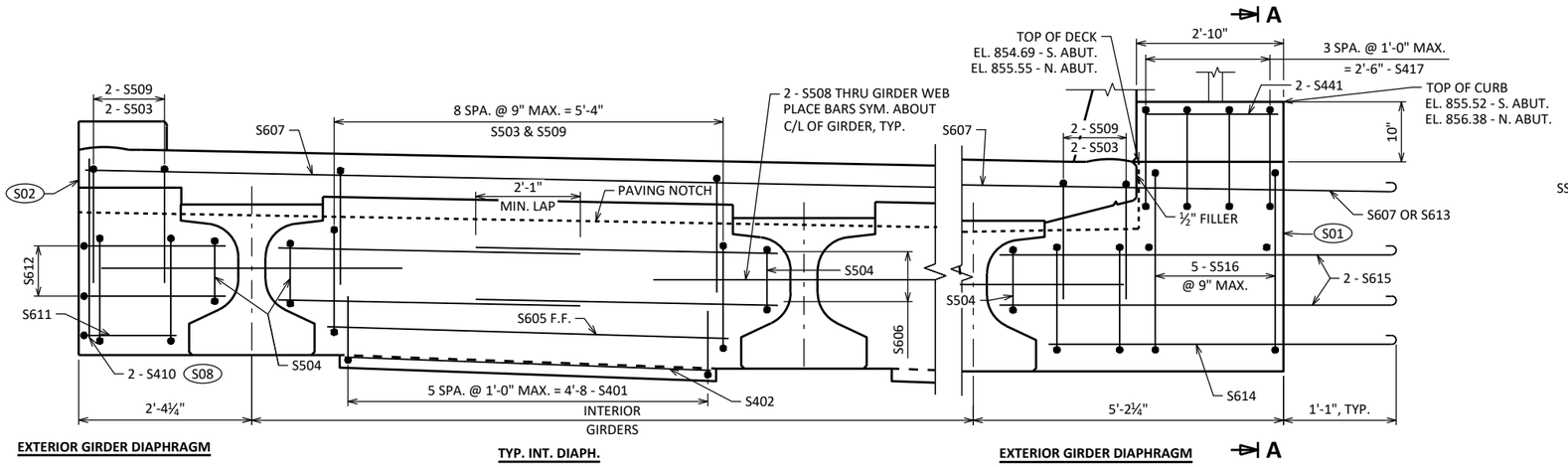
1094

SCALE = 6.0

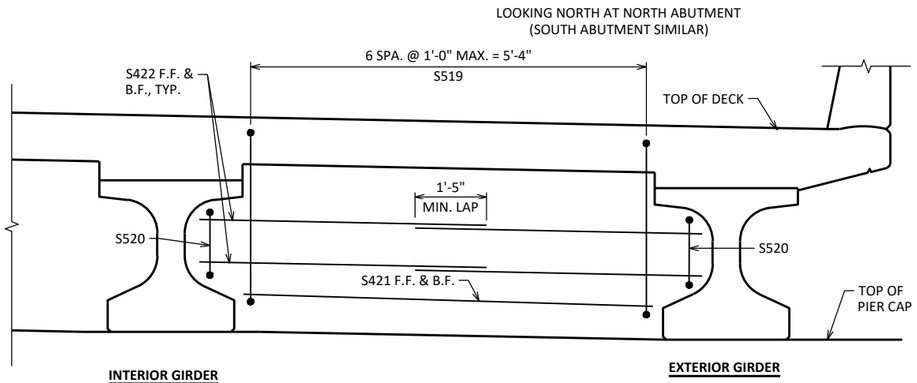
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

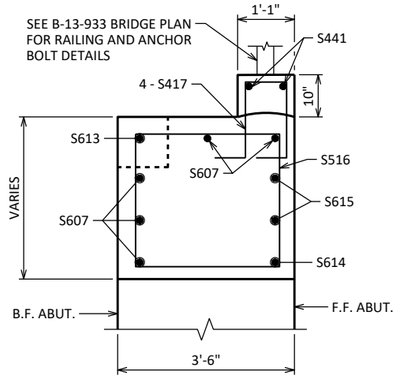
5992-11-24



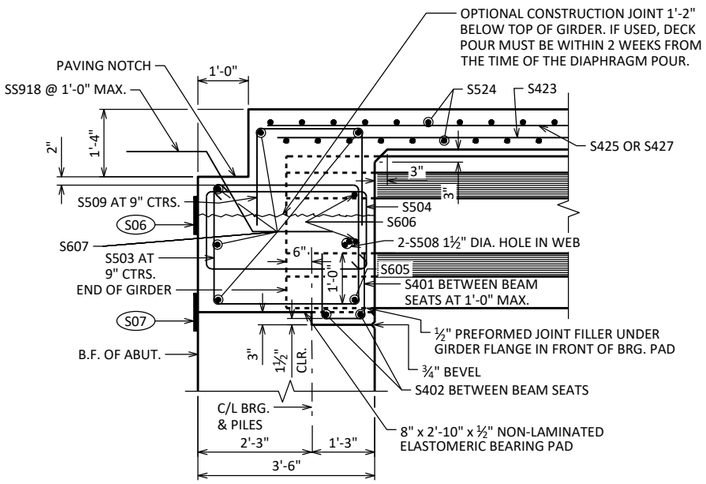
END DIAPHRAGMS



PART. TRANS. SECTION AT DIAPHRAGM PIER



SECTION A-A

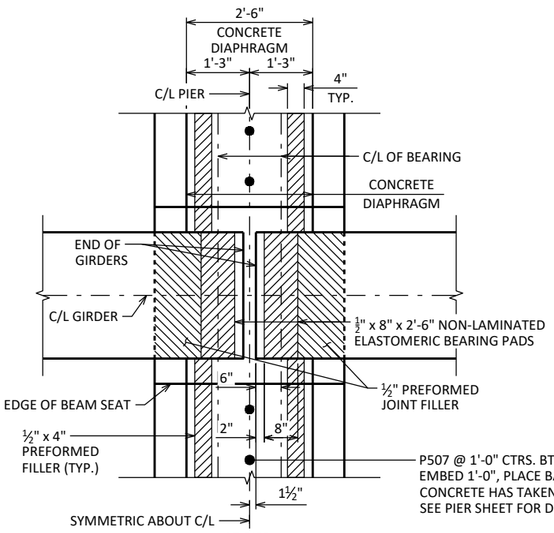


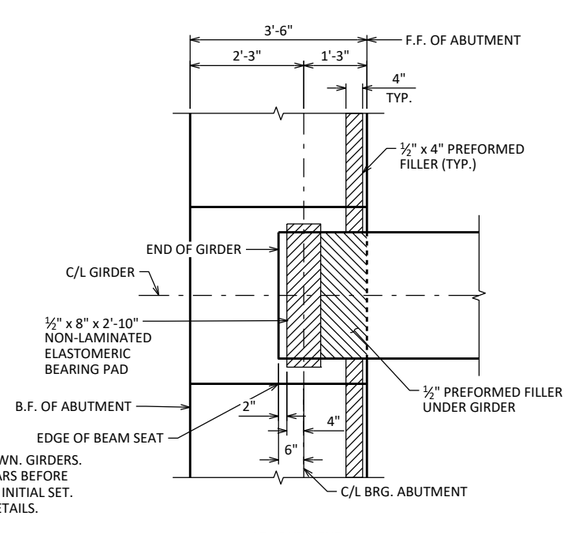
PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)





BEARING DETAILS

LEGEND

- (S01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (S02) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN DIAPHRAGM LENGTH.
- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "HPC MASONRY STRUCTURES")
- (S07) RUBBERIZED MEMBRANE WATERPROOFING
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE DETAILS

SHEET 20
1095

SCALE = 3.0

8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080119_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

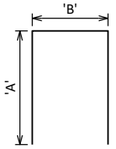
5992-11-24

TOTAL STAINLESS = 1,360 LBS.

TOTAL COATED = 60,880 LBS.

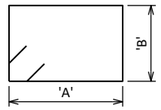
BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	STAINLESS STEEL	BENT	LOCATION
S401	48	3'-5"	X		X	ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S402	16	4'-8"	X			ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S503	80	11'-10"	X		X	ABUT. DIAPH. STIRRUP
S504	20	9'-10"	X		X	ABUT. DIAPH. STIRRUP
S605	8	5'-8"	X			ABUT. DIAPH. BOTTOM FRONT FACE
S606	32	4'-10"	X			ABUT. DIAPH. FRONT FACE
S607	10	43'-2"	X		X	ABUT. DIAPH. BACK & TOP
S508	20	6'-0"	X			ABUT. DIAPH. THRU GIRDER WEB
S509	80	6'-7"	X		X	ABUT. DIAPH. VERT.
S410	4	3'-8"	X			ABUT. DIAPH. VERT. WEST
S611	2	4'-2"	X		X	ABUT. DIAPH. WEST END HORIZ.
S612	4	5'-10"	X		X	ABUT. DIAPH. WEST END HORIZ.
S613	2	4'-5"	X		X	ABUT. DIAPH. EAST END HORIZ.
S614	2	5'-6"	X		X	ABUT. DIAPH. EAST END HORIZ.
S615	4	6'-4"	X		X	ABUT. DIAPH. EAST END HORIZ.
S516	10	14'-4"	X		X	ABUT. DIAPH. EAST END VERT.
S417	8	4'-9"	X		X	CURB STIRRUP
SS918	80	5'-0"		X	X	CONC. ABUT. DIAPH. TO APPROACH SLAB
S519	28	10'-8"	X		X	PIER DIAPH. STIRRUP
S520	8	7'-10"	X		X	PIER DIAPH. STIRRUP
S421	8	5'-8"	X			PIER DIAPH. HORIZ.
S422	32	4'-6"	X			PIER DIAPH. HORIZ.
S423	275	36'-2"	X			SLAB BOT. - LONGIT.
S524	493	38'-4"	X			SLAB TOP & BOT. TRANS.
S425	108	33'-9"	X			SLAB TOP SPAN 1 - LONGIT.
S826	109	51'-0"	X			SLAB TOP OVER PIER - LONGIT.
S427	108	31'-3"	X			SLAB TOP SPAN 2 - LONGIT.
S428	494	3'-9"	X		X	DECK OVERHANGS TRANS.
S529	264	4'-5"	X		X	PARAPET VERT.
S530	262	6'-8"	X		X	PARAPET VERT.
S531	40	36'-3"	X			PARAPET HORIZ.
S432	349	4'-6"	X		X	MEDIAN VERT.
S433	10	36'-2"	X			MEDIAN LONGIT.
S534	12	8'-0"	X		X	LIGHT STD. - TRANS. - DECK - TOP
S535	12	7'-5"	X			LIGHT STD. - TRANS. - DECK - BOT.
S536	4	7'-0"	X		X	LIGHT STD. - VERT. - PARAPET
S537	2	3'-4"	X		X	LIGHT STD. - VERT. - PARAPET
S638	9	10'-0"	X		X	LIGHT STD. - HORIZ. - PARAPET
S539	4	7'-8"	X		X	LIGHT STD. - VERT. - PARAPET
S540	2	4'-0"	X		X	LIGHT STD. - VERT. - PARAPET
S441	4	2'-6"	X			ABUT. DIAPH. CURB LONGIT.



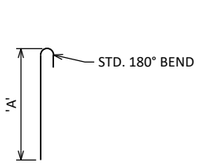
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S509	2'-4"	2'-2"
S611	9"	3'-0"
S612	1'-7"	3'-0"
S539	3'-1"	1'-9"

S401, S509, S611, S612, S539



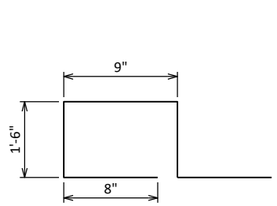
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-5"
S504	3'-2"	1'-5"
S516	3'-2"	3'-8"
S520	2'-2"	1'-5"

S503, S504, S516, S520

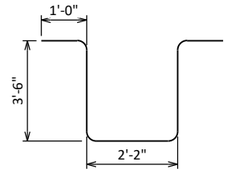


BAR MARK	DIMENSION 'A'
S607	42'-6"
S613	3'-9"
S614	4'-10"
S615	5'-8"
S428	3'-3"
S534	7'-5"

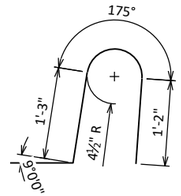
S607, S613, S614, S615, S428, S534



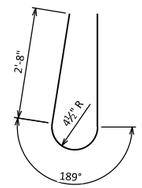
S417



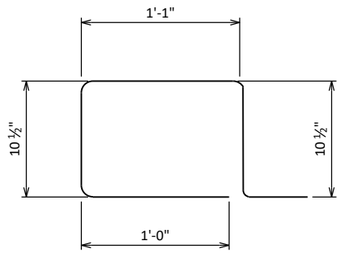
S519



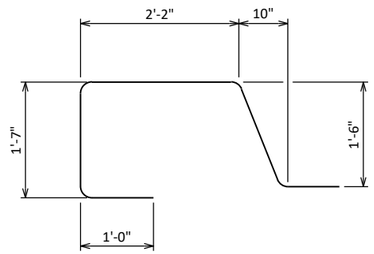
S529



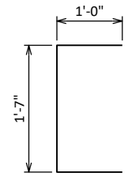
S530



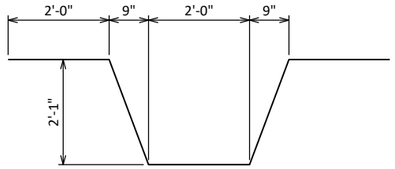
S432



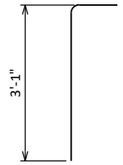
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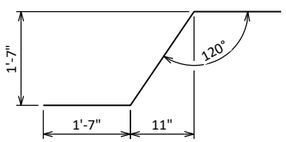
S537



S638



S540



SS918
STAINLESS STEEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE BILL OF BARS

SHEET 21
1096

SCALE = 3.0

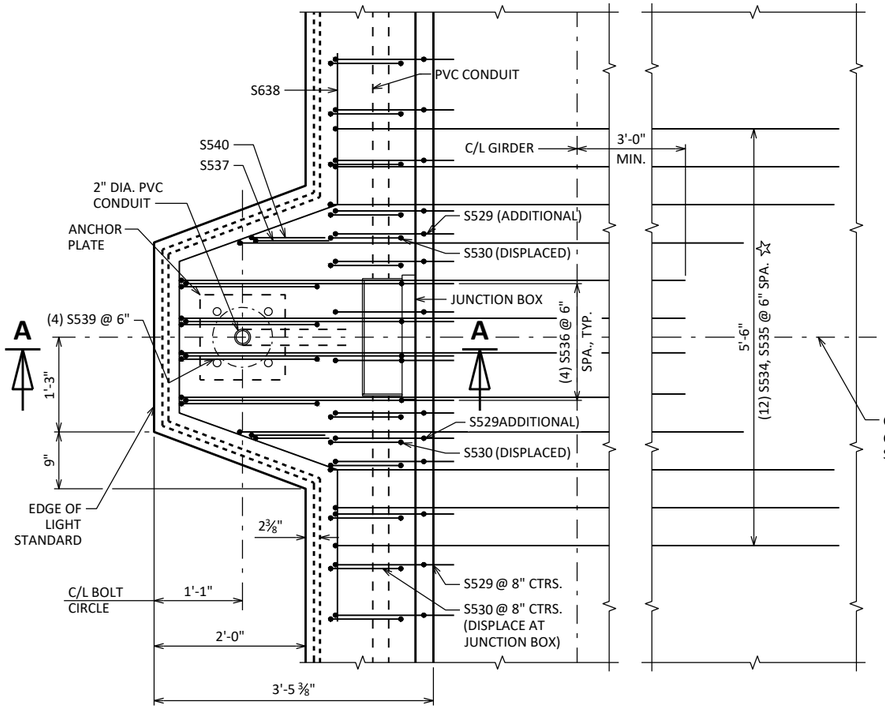
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080120_SS.DWG
LAYOUT NAME - SHT2C

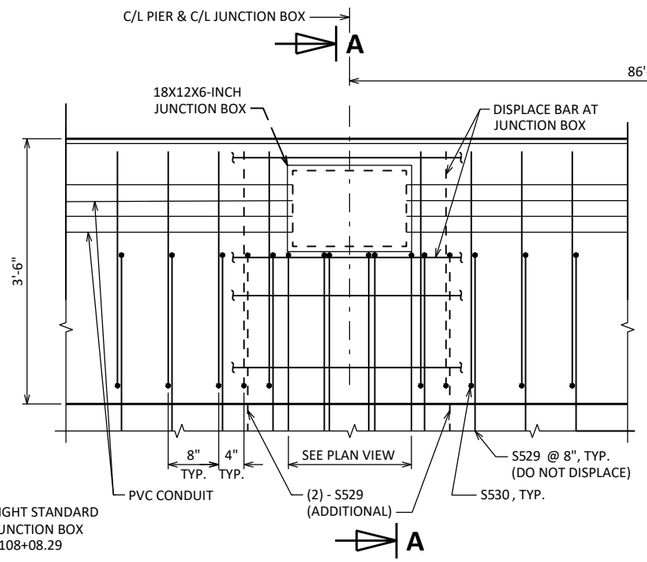
STATE PROJECT NUMBER

5992-11-24



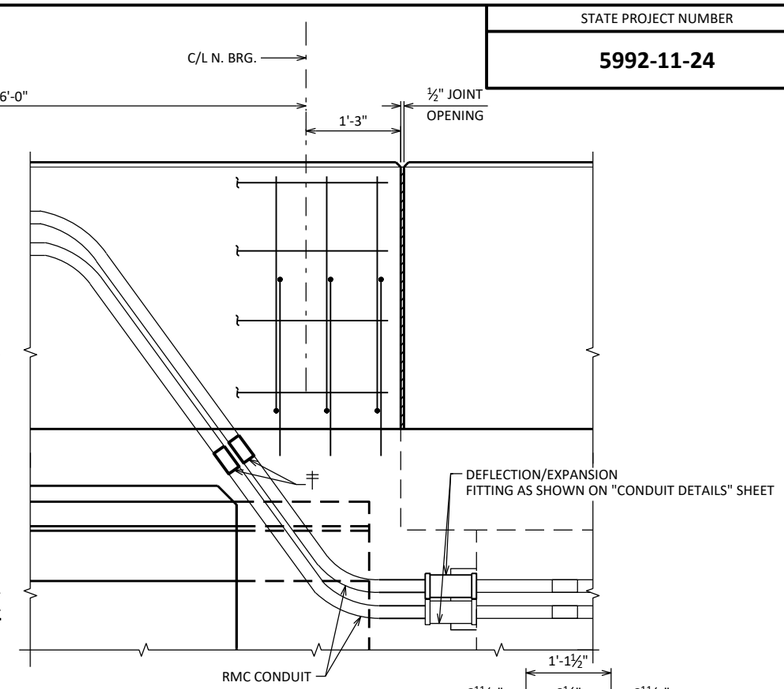
PLAN AT LIGHT STANDARD

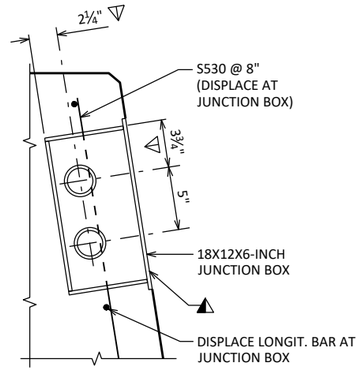
(DECK STEEL NOT SHOWN FOR CLARITY)



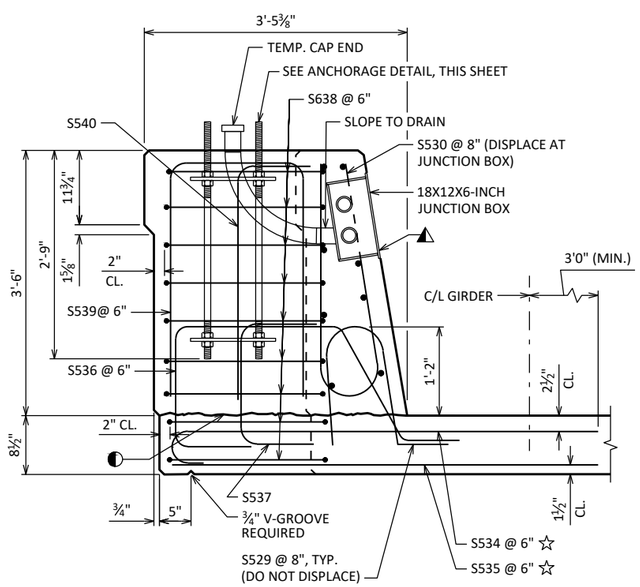
INSIDE ELEVATION AT JUNCTION BOX

(DECK STEEL NOT SHOWN FOR CLARITY)





JUNCTION BOX DETAIL



SECTION A-A

NOTES

BID ITEM SHALL BE "ANCHOR ASSEMBLIES POLES ON STRUCTURES", EACH FOR THE ANCHOR ROD ASSEMBLY.

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

SEE "CONDUIT DETAILS" SHEET FOR ADDITIONAL INFORMATION.

SEE "SUPERSTRUCTURE BILL OF BARS" SHEET FOR BAR BENDS AND BILL OF BARS.

LEGEND

◐ CONSTRUCTION JOINT, STRIKE OFF AS SHOWN.

◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

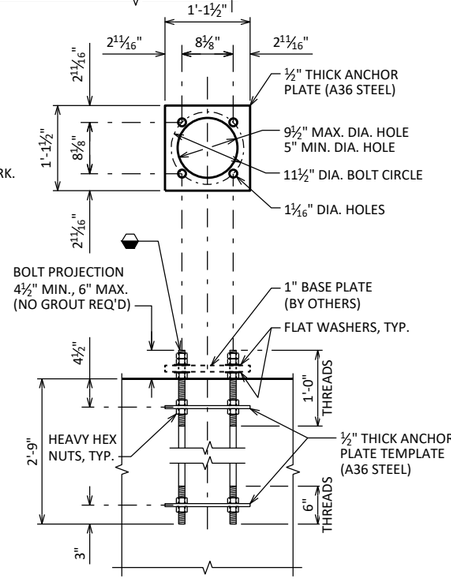
⫩ NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

RMC = RIGID METALLIC CONDUIT.

⬬ 1" DIA. ANCHOR RODS ASTM F1554 GR 55, HEAVY HEX NUTS ASTM A563, AND WASHERS ASTM F436. ANCHOR ASSEMBLIES SHALL BE GALVANIZED PER SECTION 531 OF THE STANDARD SPECIFICATION. PROVIDE (2) WASHERS AND (7) NUTS PER ANCHOR ROD.

☆ THESE BARS ARE IN ADDITION TO STANDARD TRANSVERSE BARS IN DECK.



ANCHOR ROD ASSEMBLY DETAIL

(4) - ANCHOR RODS REQUIRED PER ASSEMBLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D WAH

LIGHT STANDARD DETAILS

SHEET 22
1097

SCALE = 2.0

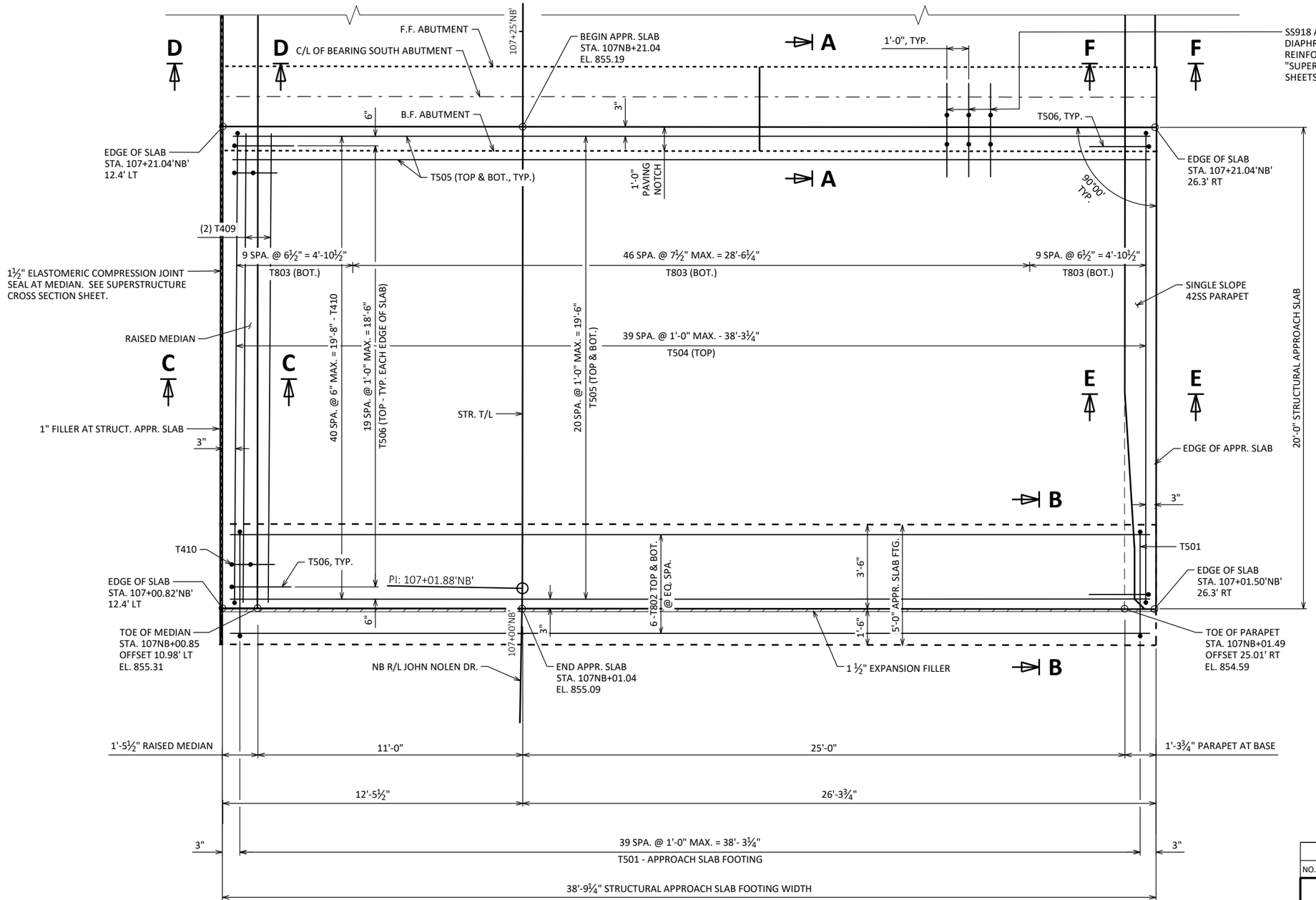
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080121_SS.DWG
LAYOUT NAME - LIGHT STANDARD DETAILS

STATE PROJECT NUMBER

5992-11-24



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

SOUTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D CDH

SOUTH STRUCTURAL APPROACH SLAB

SHEET 23
1098

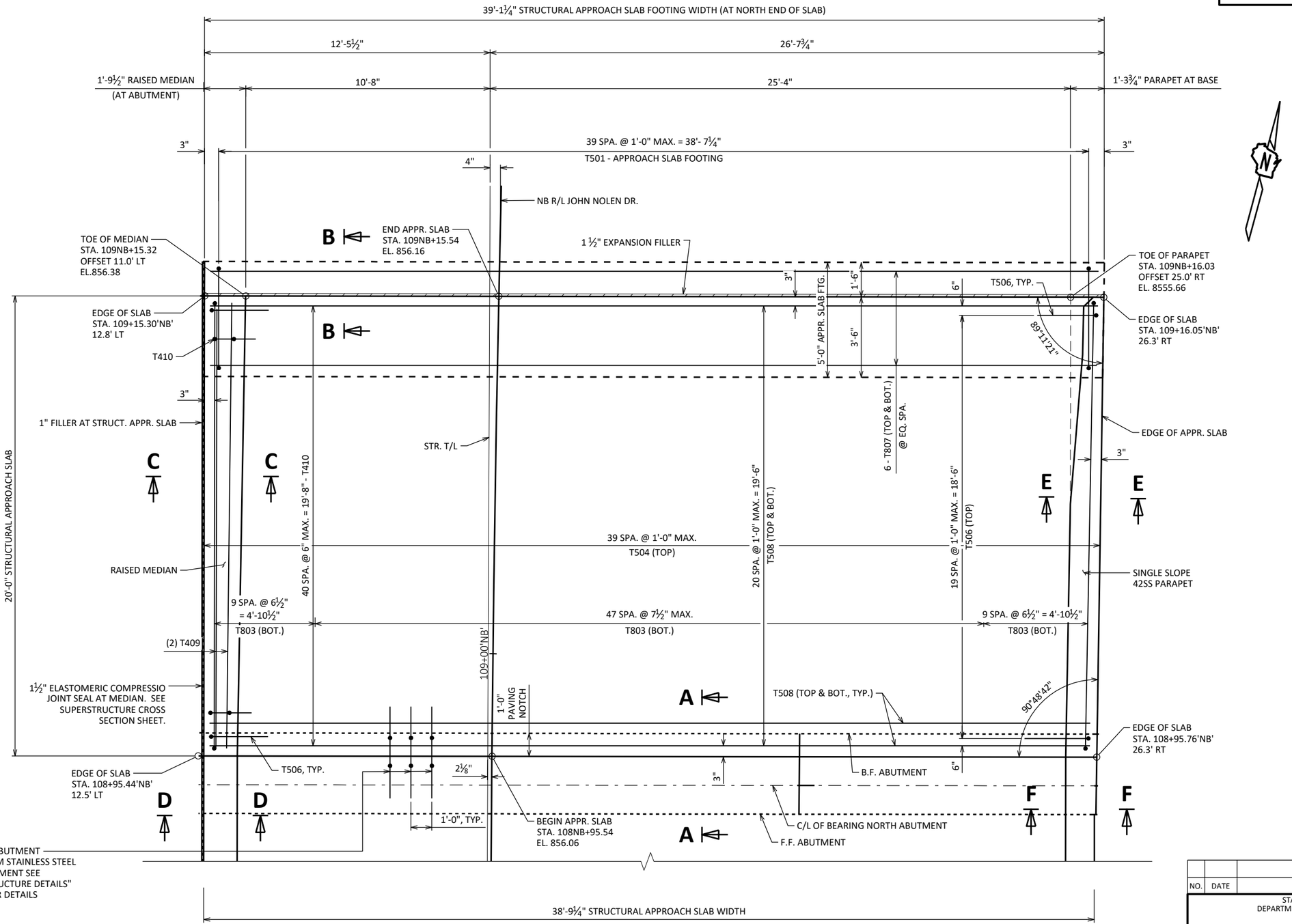
SCALE = 6.0

8

8

STATE PROJECT NUMBER

5992-11-24



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

NORTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D CDH

NORTH STRUCTURAL APPROACH SLAB

SHEET 24
1099

SCALE = 6.0

8

8

STATE PROJECT NUMBER

5992-11-24

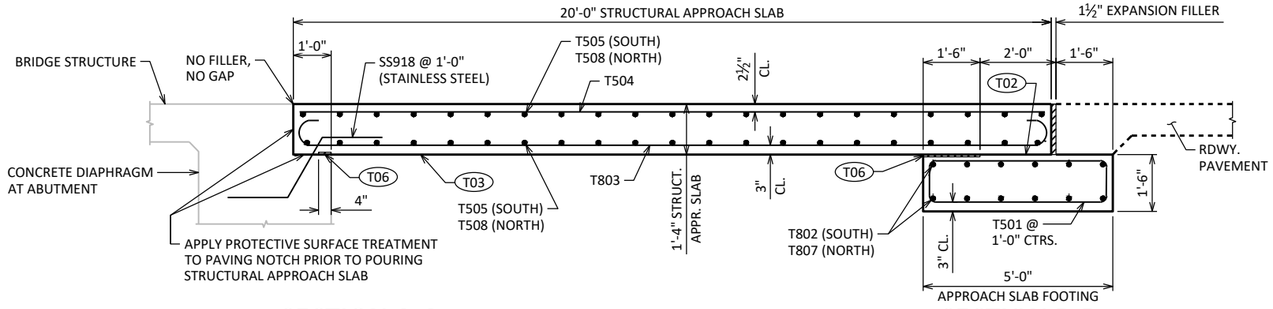
LEGEND

(T01) SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

(T06) ¾" PREFORMED JOINT FILLER ACCORDING TO STD. SPEC 502.2.7. 4" WIDE X PAVING NOTCH LENGTH AT PAVING NOTCH, 1'-6" WIDE X FTG. LENGTH AT APPROACH SLAB FOOTING.



SECTION A-A **SECTION B-B**

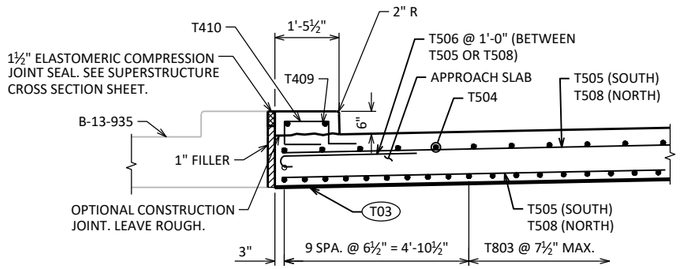
SECTION THRU STRUCTURAL APPROACH SLAB

BILL OF BARS

TOTAL COATED = 16,610 LBS

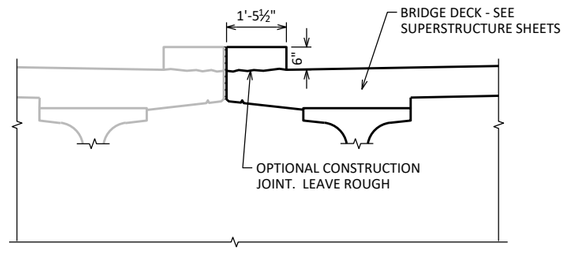
BAR MARK	COAT	SOUTH APPR.	NORTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	40	40	12'-2"	X		APPROACH SLAB - FTG. - STIRRUPS
T802	X	12	0	38'-5"			APPROACH SLAB - FTG. - TRANS.
T803	X	65	66	21'-6"	X		APPROACH SLAB - LONG. - BOT.
T504	X	40	40	19'-8"			APPROACH SLAB - LONG. - TOP
T505	X	42	0	38'-5"			APPROACH SLAB - TRANS. - TOP & BOT.
T506	X	40	40	4'-1"	X		APPROACH SLAB - TOP - EDGE OF SLAB
T807	X	0	12	38'-8"			APPROACH SLAB FTG.- TRANS.
T508	X	0	42	38'-5"			APPROACH SLAB - TRANS. - TOP & BOT.
T409	X	2	2	19'-8"			MEDIAN PARAPET - HORIZ.
T410	X	41	41	3'-8"	X		MEDIAN PARAPET - VERT.

FOR BOTH STRUCTURAL APPROACH SLABS COMBINED.



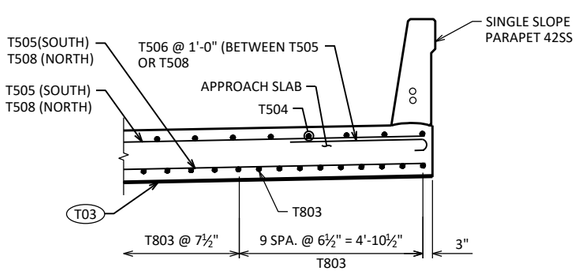
SECTION C-C

SECTION AT RAISED MEDIAN



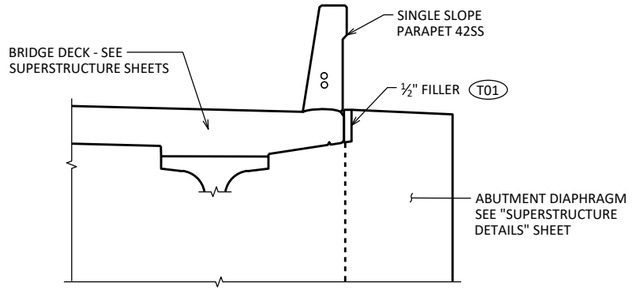
SECTION D-D

SECTION AT EAST RAISED MEDIAN ON DECK



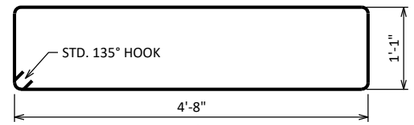
SECTION E-E

SECTION AT EAST EDGE

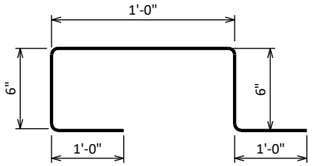


SECTION F-F

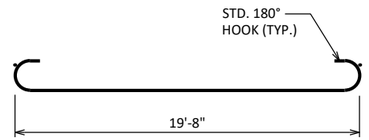
SECTION AT EAST END OF DECK



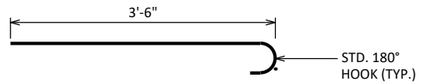
T501



T410



T803



T506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D CDH

STRUCTURAL APPR. SLAB DETAILS

SHEET 25
1100

SCALE = 1.0

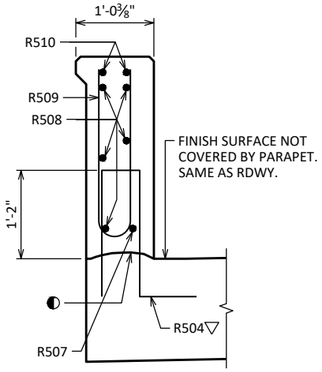
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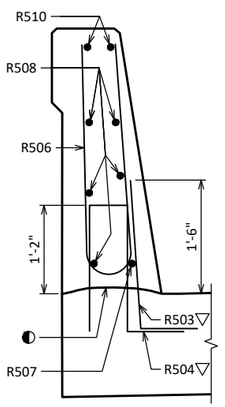
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

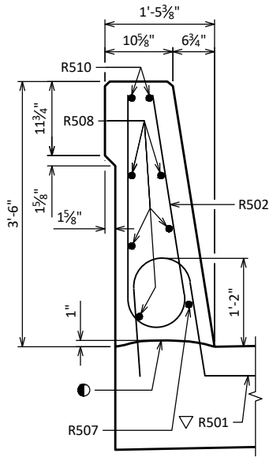
5992-11-24



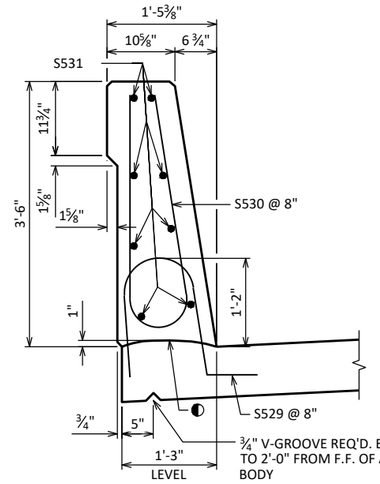
SECTION A-A



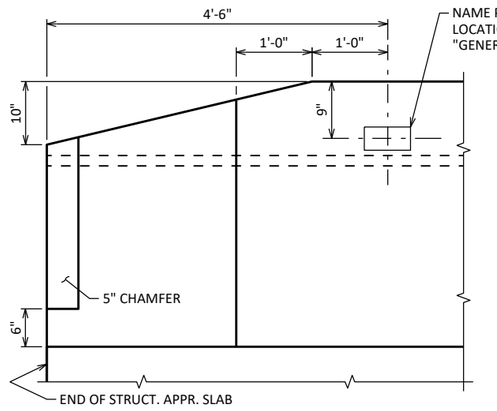
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

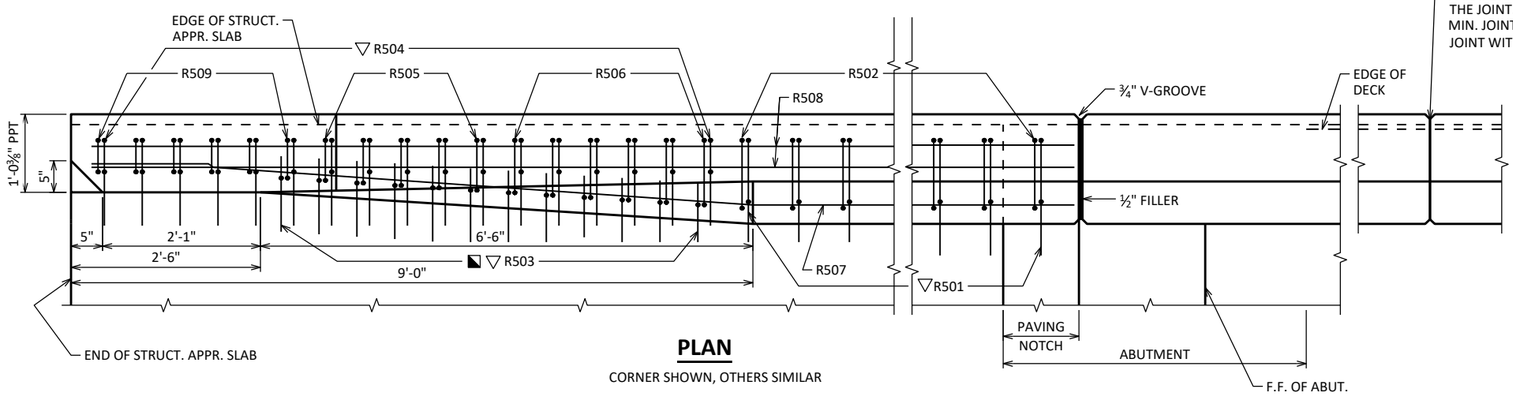
LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS TOTAL COATED: 1,180 LBS

FOR STRUCTURAL APPOACH SLAB PARAPETS

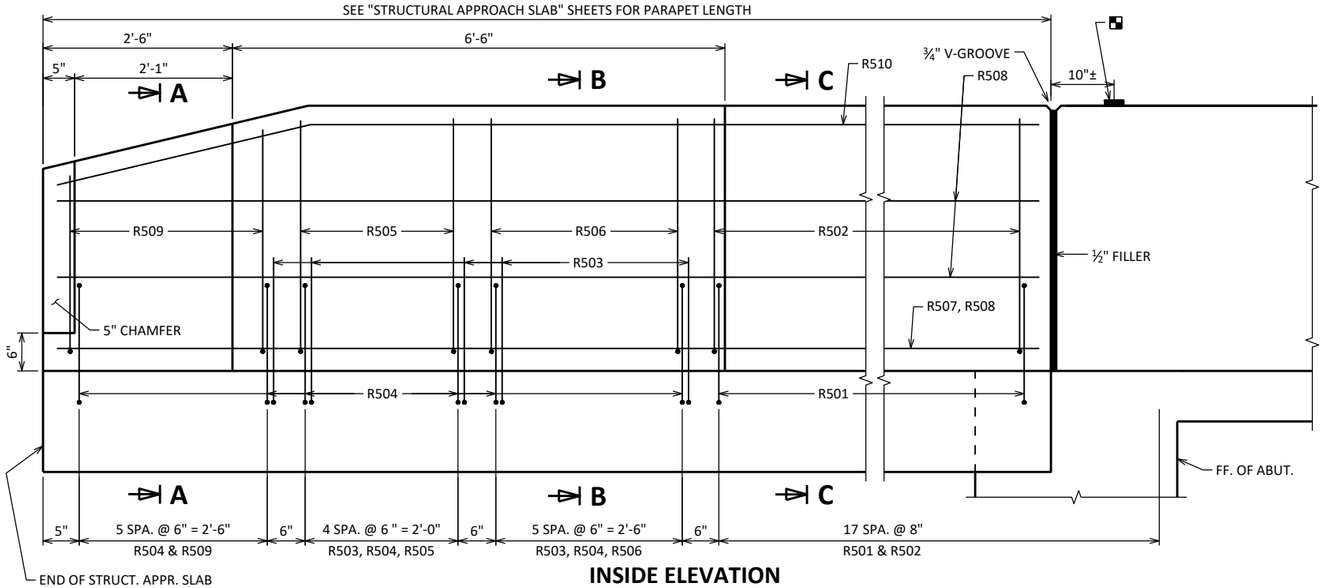
BAR MARK	COAT	S. APPR. SLAB	N. APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	18	4'-5"	X		PARAPET VERT.
R502	X	18	18	6'-8"	X		PARAPET VERT.
R503	X	11	11	2'-9"	X		PARAPET VERT.
R504	X	17	17	4'-4"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	19'-8"	X		PARAPET HORIZ.
R508	X	5	5	19'-8"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	⚠	PARAPET VERT.
R510	X	2	2	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



PLAN

CORNER SHOWN, OTHERS SIMILAR



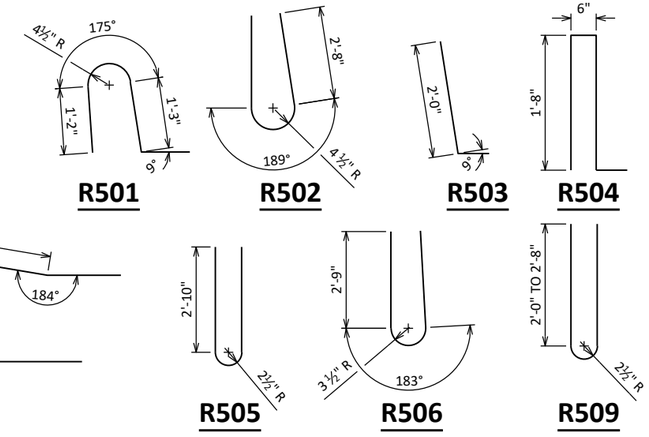
INSIDE ELEVATION

NE CORNER SHOWN, OTHERS SIMILAR
STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"



LEGEND

- ◐ CONST. JOINT - STRIKE OFF AS SHOWN
- ◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.
- ▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.
- ◪ BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D CDH

SINGLE SLOPE PARAPET 42SS DETAILS

SHEET 26
1101

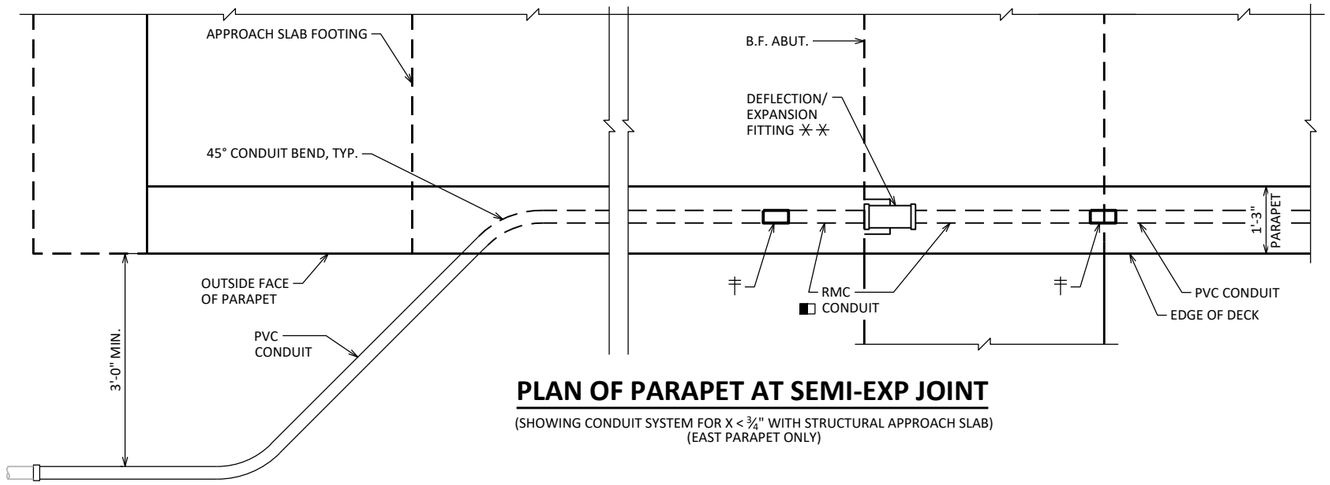
SCALE = 1.0

8

8

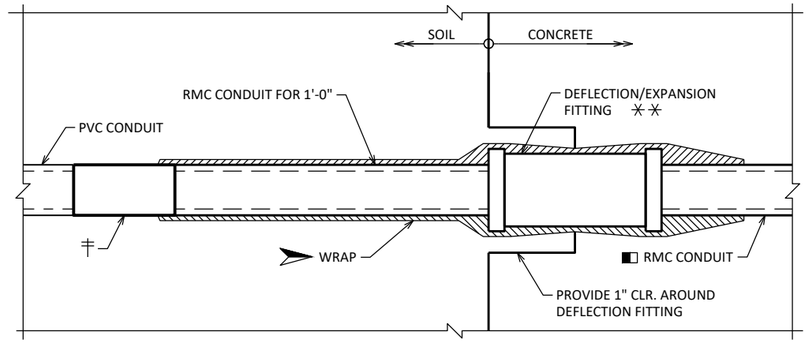
STATE PROJECT NUMBER

5992-11-24



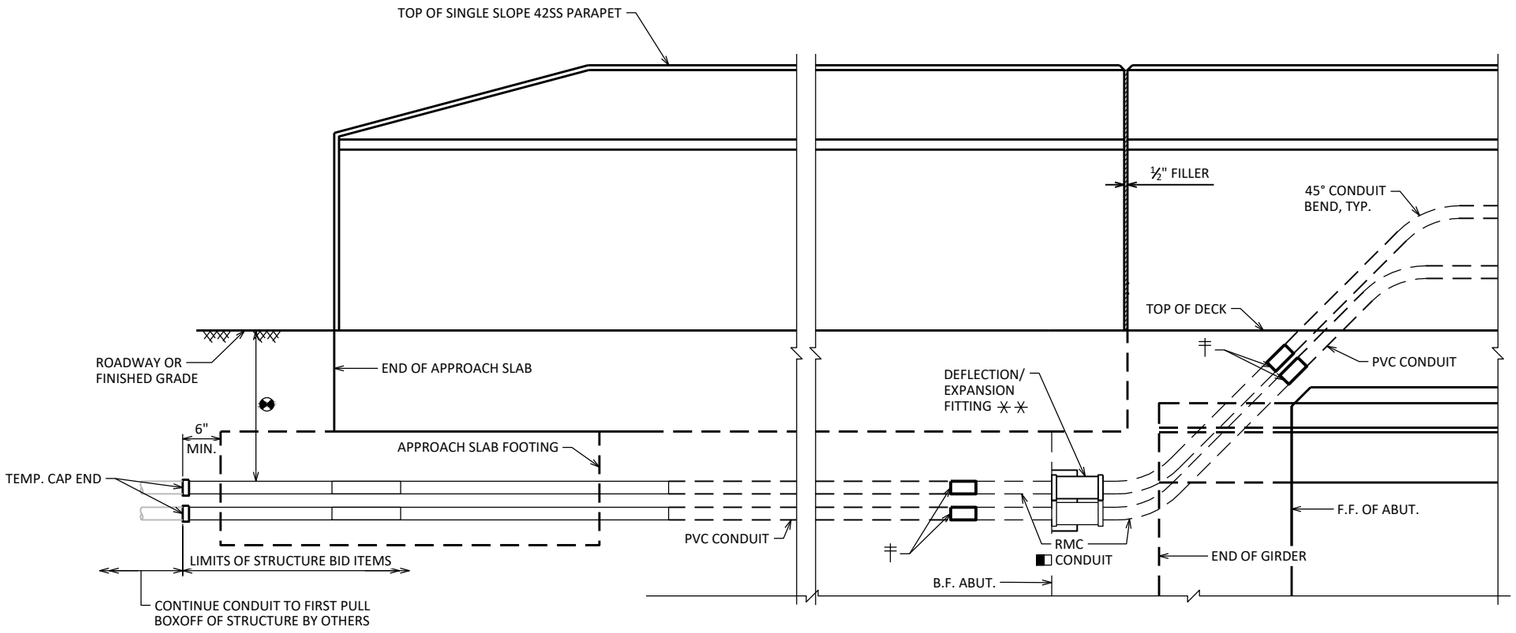
PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(EAST PARAPET ONLY)



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY
(CONCRETE TO SOIL FITTING)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SE END SHOWN, NE END SIMILAR)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON EACH SIDE OF JOINT OPENINGS UNLESS NOTED OTHERWISE.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- ✳✳ DEFLECTION/EXPANSION FITTING REQUIREMENTS
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D SKH

CONDUIT DETAILS

SHEET 27
1102

SCALE = 2.0

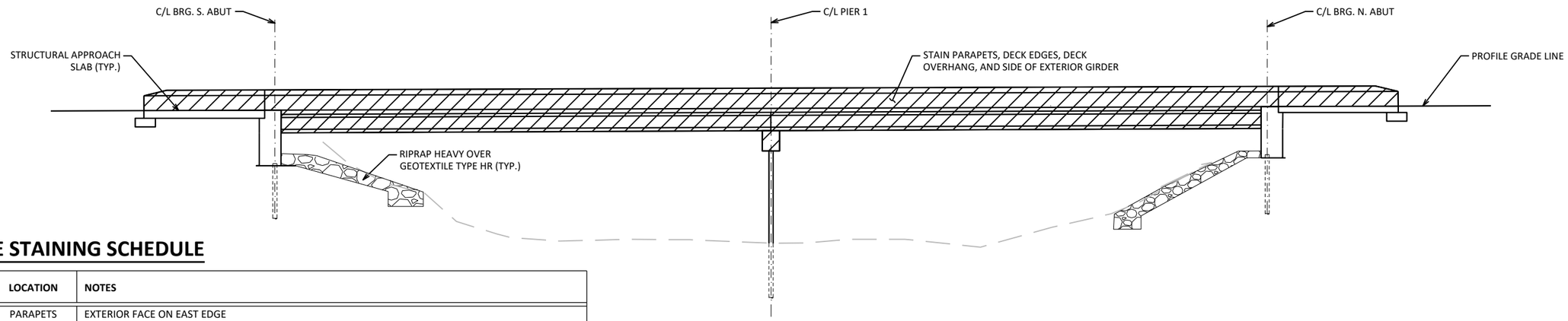
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-924\080126_CON.DWG
LAYOUT NAME - CONDUIT DETAILS

STATE PROJECT NUMBER

5992-11-24

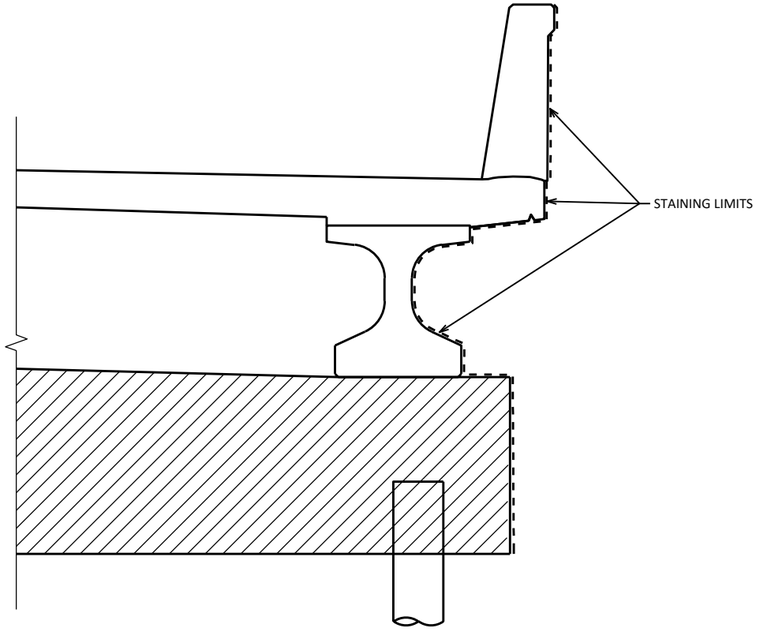


ELEVATION

(LOOKING WEST)

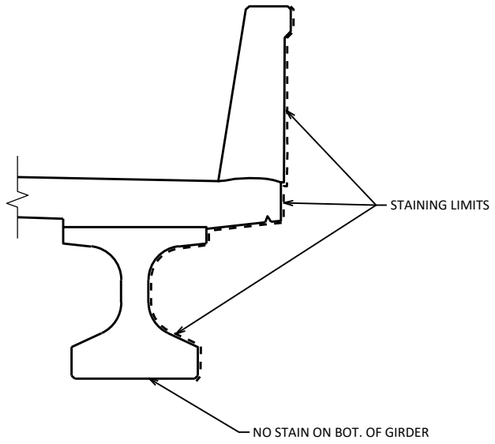
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	PARAPETS	EXTERIOR FACE ON EAST EDGE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE ON EAST EDGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM ENDS OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON EAST END
	PIERS	ALL EXPOSED FACES OF PIER CAP



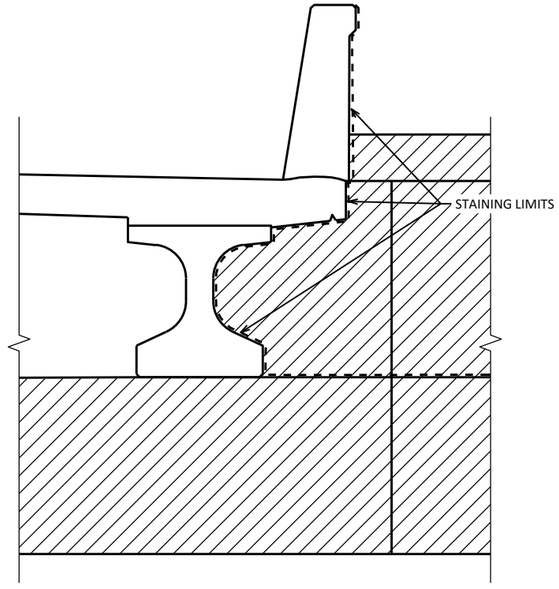
TYPICAL SECTION AT PIERS

STAIN VERTICAL FACES OF PIER CAP, EXTERIOR FACE OF PIER, PARAPETS AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS



TYPICAL SECTION IN SPAN

STAIN BACK OF PARAPET, EDGE OF DECK, DECK OVERHANG AND SIDE OF EXTERIOR GIRDER
(EAST PARAPET AND GIRDER ONLY)



PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, BACK FACE OF CURB, EXTERIOR FACE OF PARAPET AND EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY GWK | PLANS CK'D SKH

AESTHETIC DETAIL

SHEET 28
1103

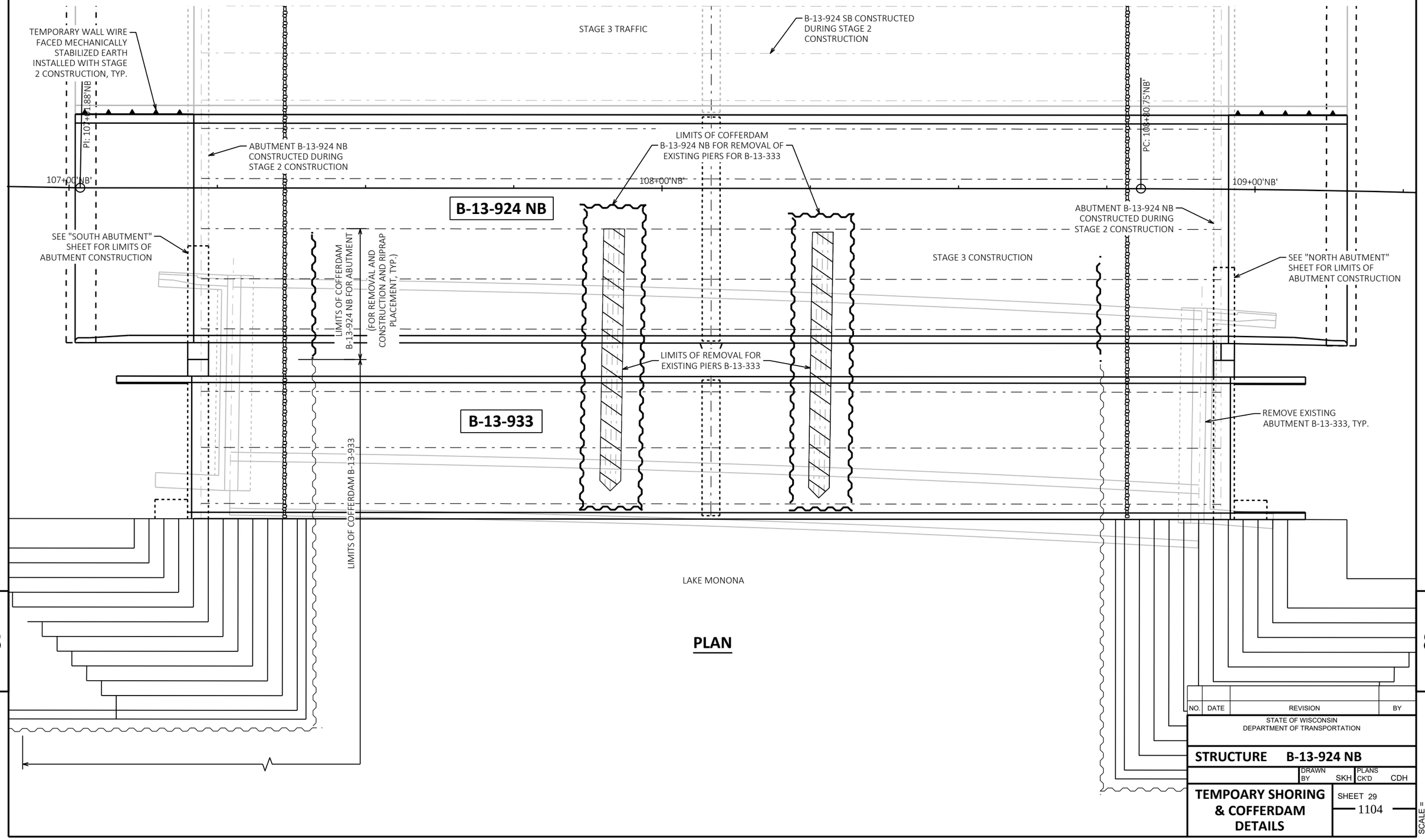
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
5992-11-24

NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. FINAL LOCATION AND TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR.



PLAN

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-924 NB

DRAWN BY SKH | PLANS CK'D CDH

TEMPOARY SHORING & COFFERDAM DETAILS

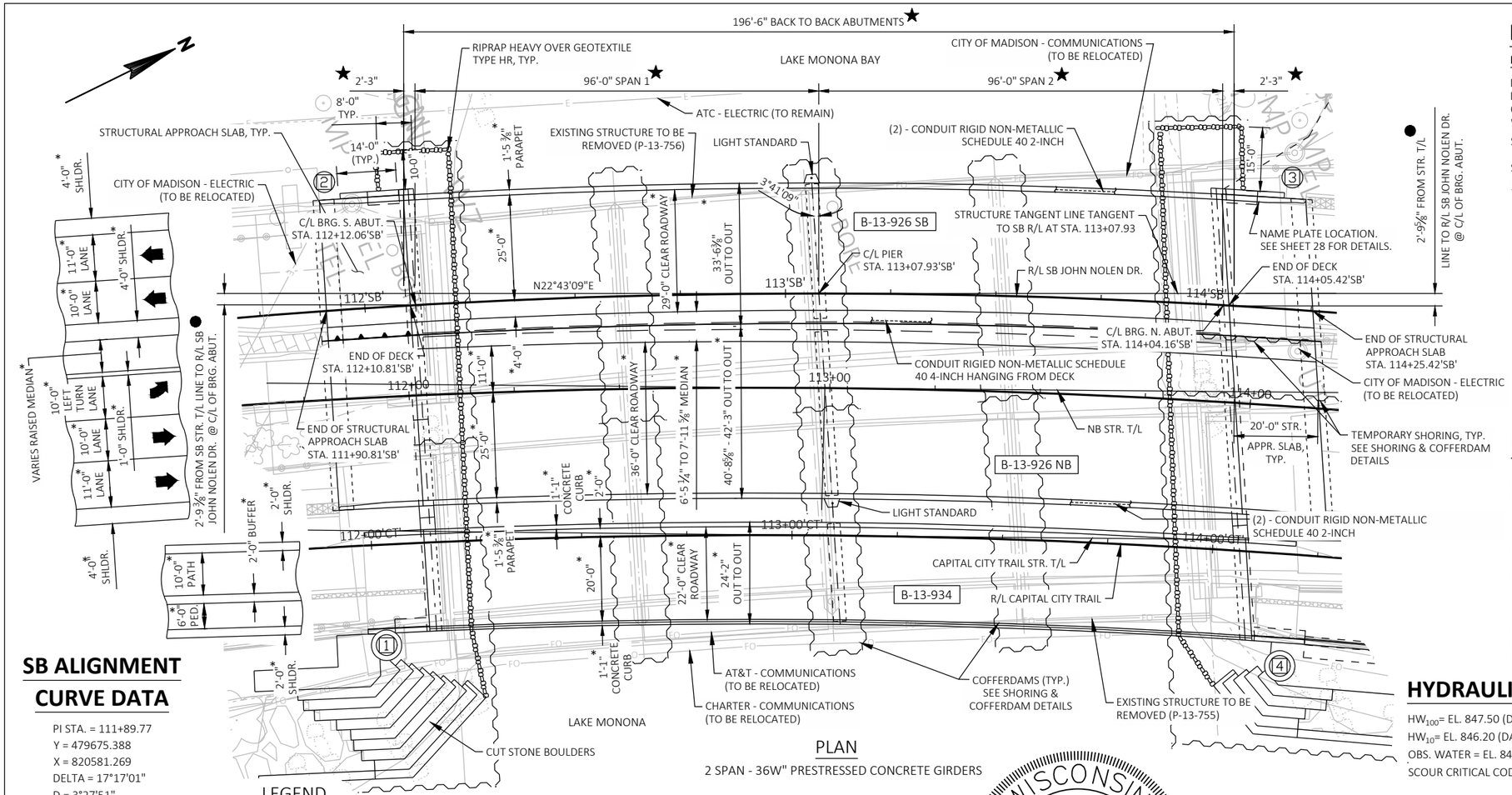
SHEET 29

1104

SCALE =

STATE PROJECT NUMBER

5992-11-27



PLAN

2 SPAN - 36W" PRESTRESSED CONCRETE GIRDERS

LEGEND

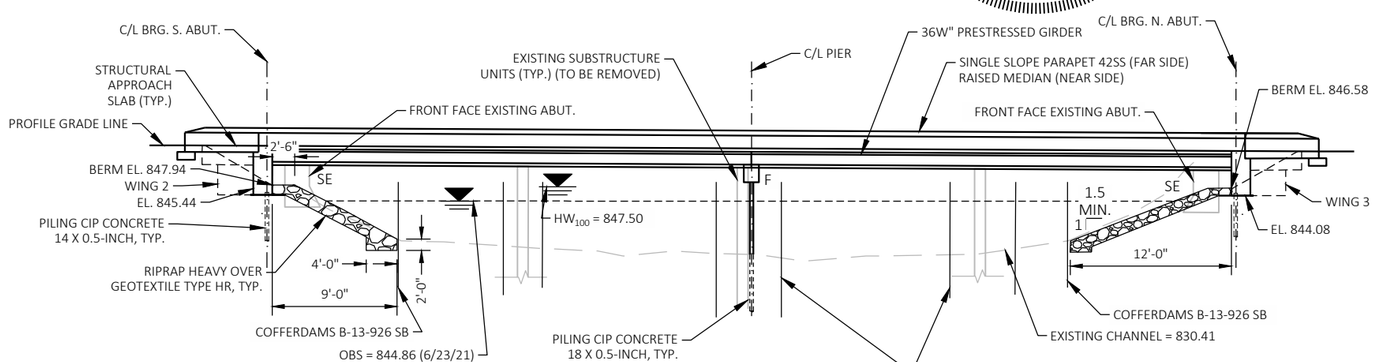
- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER
- * DIMENSION MEASURED RADIALLY
- ★ DIMENSION MEASURED ALONG STRUCTURE TANGENT LINE TANGENT TO R/L SB JOHN NOLEN DR.
- CRASH CUSHION REQUIRED. SEE ROADWAY PLANS FOR DETAILS.
- ● DIMENSION MEASURED ALONG C/L OF ABUTMENT

SB ALIGNMENT CURVE DATA

PI STA. = 111+89.77
Y = 479675.388
X = 820581.269
DELTA = 17°17'01"
D = 3°27'51"
T = 251.38'
L = 498.94'
R = 1654.00'
PC STA. = 109+38.39
Y = 479427.767
X = 820537.971
PT STA. = 114+37.33
Y = 479898.964
X = 820696.179
BK = N09°55'05.1"E
AH = N27°12'05.9"E

TANGENT LINE DATA

PI STA. = 113+07.93'SB'
Y = 479,781.68
X = 820,641.59
BEARING = N22°43'09"E



ELEVATION

(LOOKING WEST)

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.13
OPERATING RATING: RF = 1.51
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS RATED FOR A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI
- STAINLESS, GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 100' LONG AT NORTH ABUT.
- 105' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 370 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
OBS. WATER = EL. 844.86 (KL SURVEY ON 6/23/21)
SCOUR CRITICAL CODE = 8

TRAFFIC DATA

JOHN NOLEN DRIVE:

A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
RDS = 40 M.P.H.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. TRAFFIC STAGING DETAIL
4. QUANTITIES
5. GENERAL NOTES, PROFILES & DETAILS
6. SUBSURFACE EXPLORATION
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT WING DETAILS
9. SOUTH ABUTMENT DETAILS
10. NORTH ABUTMENT
11. NORTH ABUTMENT WING DETAILS
12. NORTH ABUTMENT DETAILS
13. SUBSTRUCTURE DETAILS
14. PIER
15. PIER DETAILS
16. 36W" PRESTRESSED GIRDER
17. 36W" PRESTRESSED GIRDER DETAILS
18. SUPERSTRUCTURE FRAMING PLAN
19. STEEL DIAPHRAGM
20. SUPERSTRUCTURE PLAN
21. SUPERSTRUCTURE CROSS SECTION
22. SUPERSTRUCTURE LAYOUT
23. SUPERSTRUCTURE DETAILS
24. SUPERSTRUCTURE BILL OF BARS
25. LIGHT STANDARD DETAILS
26. SOUTH STRUCTURAL APPROACH SLAB
27. NORTH STRUCTURAL APPROACH SLAB
28. STRUCTURAL APPR. SLAB DETAILS
29. SINGLE SLOPE PARAPET 42SS DETAILS
30. CONDUIT DETAILS
31. AESTHETIC DETAILS
32. TEMPORARY SHORING & COFFERDAM DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-926 SB

SB JOHN NOLEN DRIVE OVER LAKE MONONA (NORTH)

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JBN	SKH	STD	SKH

GENERAL PLAN & ELEVATION

SHEET 1 OF 32
1105

SCALE =

I.D.

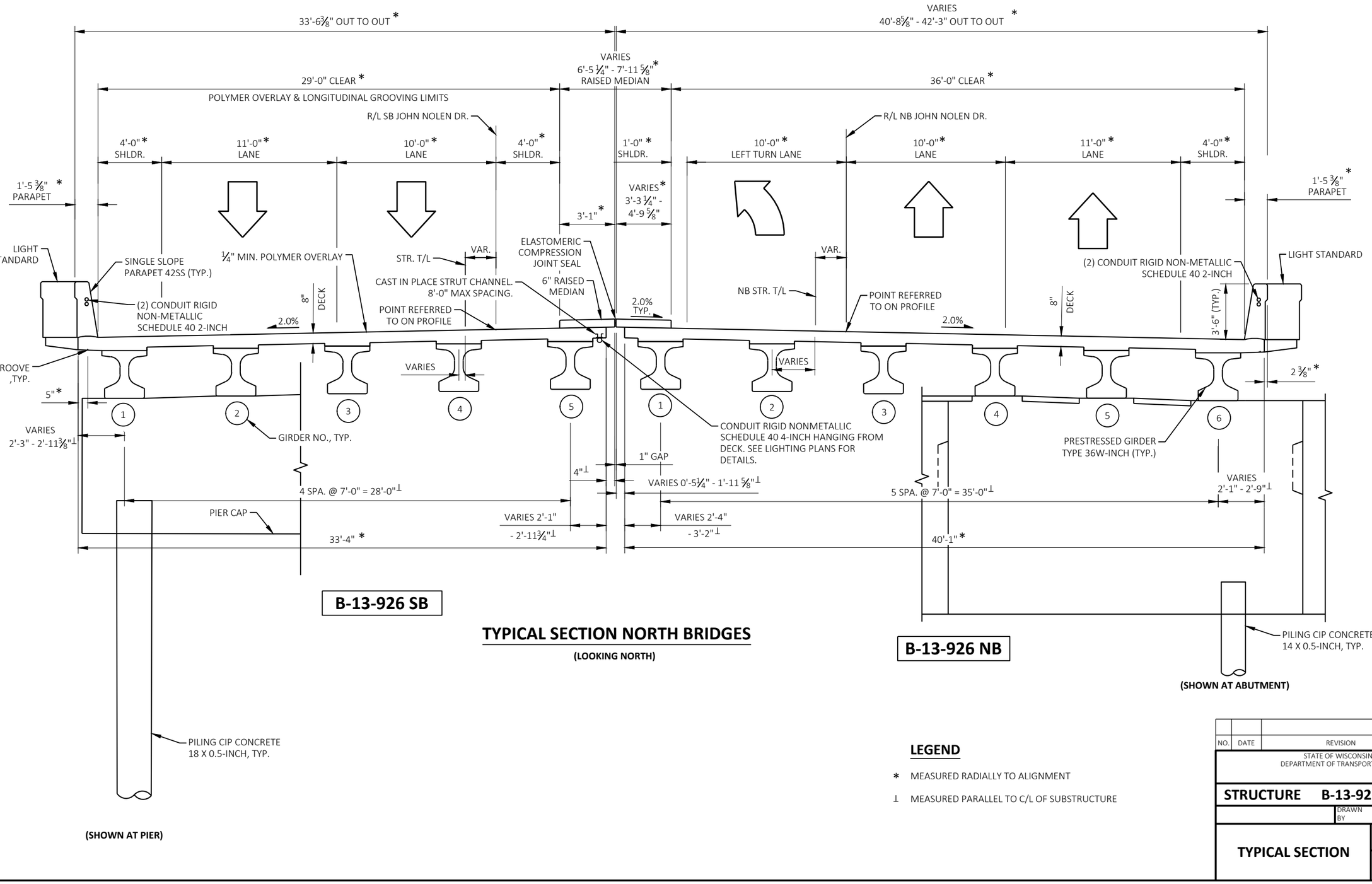
DATE:

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STATE PROJECT NUMBER

5992-11-27



B-13-926 SB

B-13-926 NB

TYPICAL SECTION NORTH BRIDGES

(LOOKING NORTH)

(SHOWN AT PIER)

(SHOWN AT ABUTMENT)

LEGEND

* MEASURED RADIALLY TO ALIGNMENT

⊥ MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

TYPICAL SECTION

SHEET 2
1106

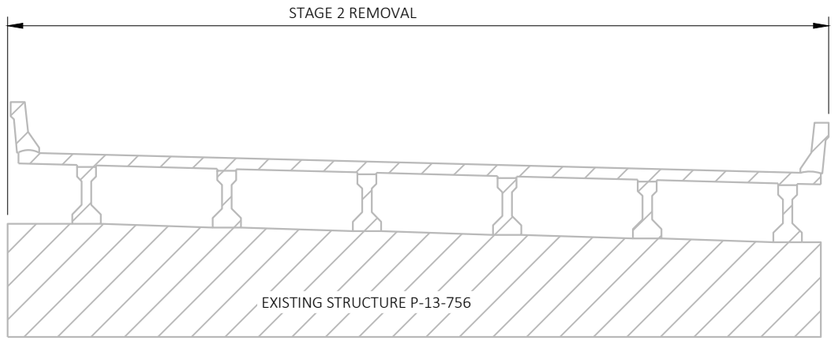
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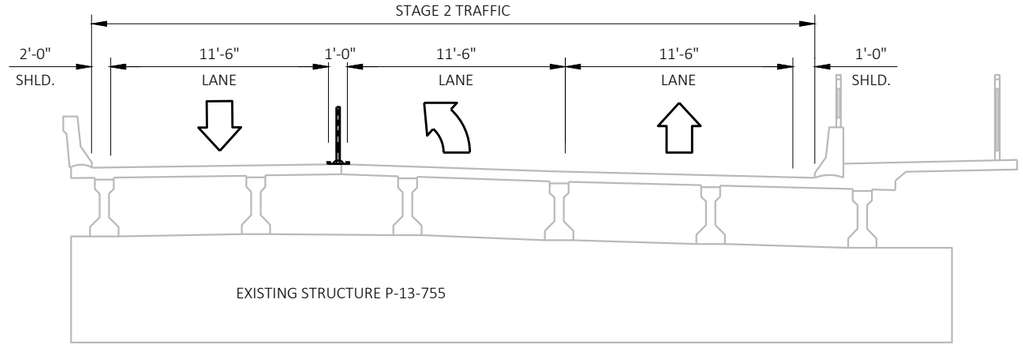
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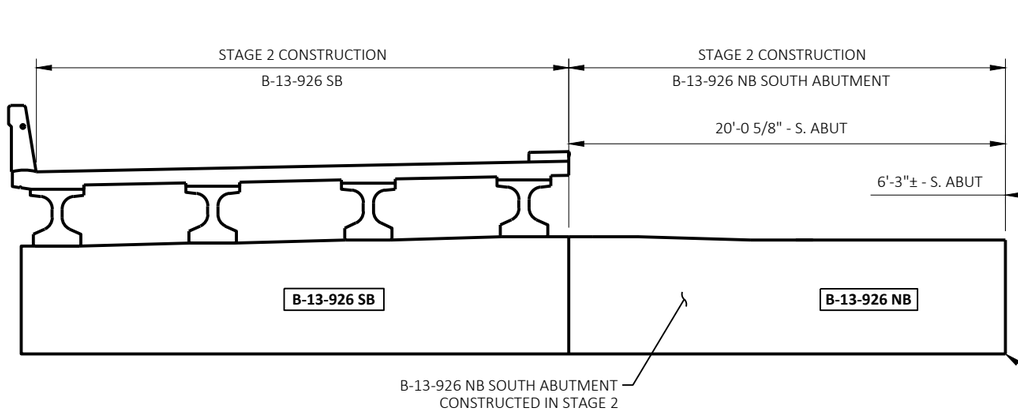
STATE PROJECT NUMBER

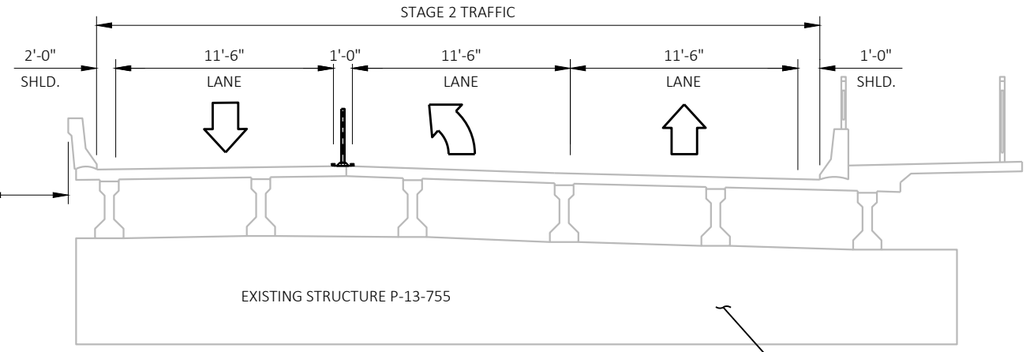
5992-11-27



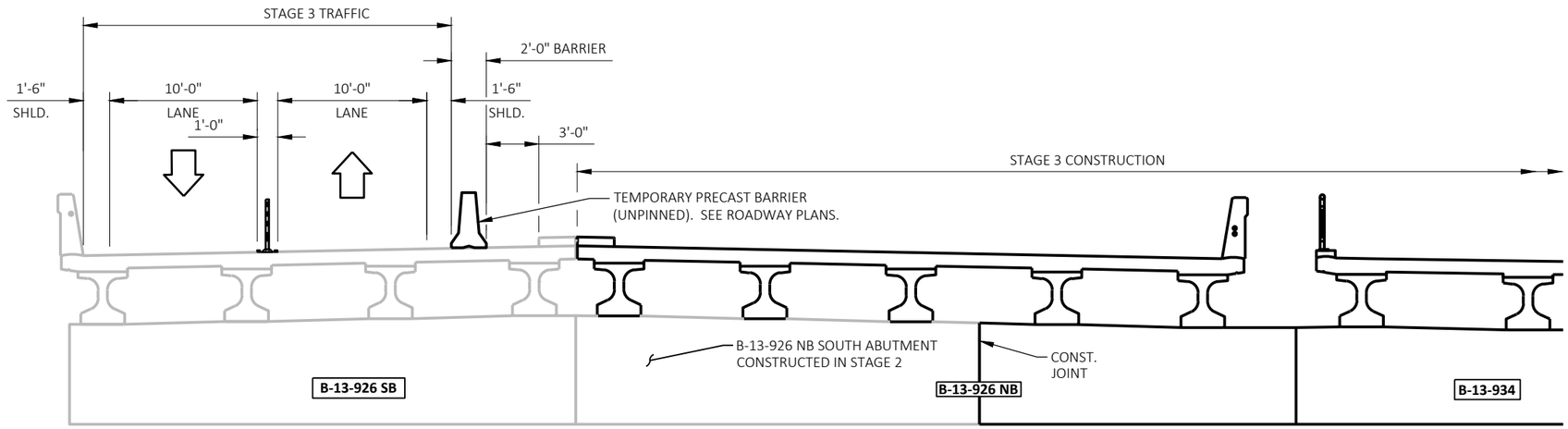


STAGE 2 REMOVAL





STAGE 2 CONSTRUCTION



STAGE 3

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

TRAFFIC STAGING DETAIL

SHEET 3
1107

SCALE =

8

8

STATE PROJECT NUMBER

5992-11-27

TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	STRUCT. APPR. SLAB	TOTAL
203.0260.04	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-756	EACH	---	---	---	---	---	1
206.1001.04	EXCAVATION FOR STRUCTURES BRIDGES B-13-926 SB	EACH	---	---	---	---	---	1
206.5001.04	COFFERDAMS B-13-926 SB	EACH	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	110	---	110	---	---	220
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	110	---	111	---	---	221
501.1000.S	ICE HOT WEATHER CONCRETING	LB	242	95	244	1,958	679	3,218
502.0100	CONCRETE MASONRY BRIDGES	CY	32.3	12.6	32.5	---	18.7	96
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	739	145	884
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	96	20	116
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	964	---	964
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,260	6,480	2,270	---	---	11,010
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	730	---	730	62,390	15,970	79,820
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	1,180	---	1,180
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	5	10	5	---	---	20
506.4000.04	STEEL DIAPHRAGMS B-13-926 SB	EACH	---	---	---	16	---	16
509.5100.S	POLYMER OVERLAY	SY	---	---	---	627.1	---	627
511.1200.04	TEMPORARY SHORING B-13-926 SB	SF	114	---	114	---	---	228
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7.5	---	8	---	---	15
517.1010.S.04	CONCRETE STAINING B-13-926 SB	SF	157.5	264	160	1,739	140	2,460
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	---	---	---	1	---	1
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	735	---	700	---	---	1,435
606.0300	RIPRAP HEAVY	CY	44	---	66	---	---	110
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	63	---	63	---	---	126
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	29	---	29	---	---	58
645.0120	GEOTEXTILE TYPE HR	SY	95	---	131	---	---	226
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	---	---	---	24	---	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	---	---	---	454	---	454
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	---	---	---	1	---	1
SPV.0035	HPC MASONRY STRUCTURES	CY	---	---	---	261	71.8	333
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	---	---	---	26	---	26
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	735	---	---	---	735
SPV.0165.202	TEMPORARY WALL WIRE FACED MECHANICALLY STABILIZED EARTH	SF	176	---	235	---	---	411
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	---	---	---	5,644	1,160	6,804
	NON-BID ITEMS							
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"			

ALL BID ITEMS SHOWN ARE IN CATEGORY 0010

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

QUANTITIES

SHEET 4

1108

SCALE =

STATE PROJECT NUMBER

5992-11-27

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-926 SB" SHALL BE THE EXISTING GROUND LINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIANS
- PARAPETS ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

EXISTING BRIDGE STRUCTURE, P-13-756, A 36" PRESTRESSED GIRDER STRUCTURE. THE STRUCTURE WILL BE REMOVED AND PAID FOR UNDER "REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-756". THE WIDTH IS 43'-0" OUT TO OUT WITH A BACK OF ABUTMENT TO BACK OF ABUTMENT LENGTH OF 184'-5".

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B- 13-926 SB"

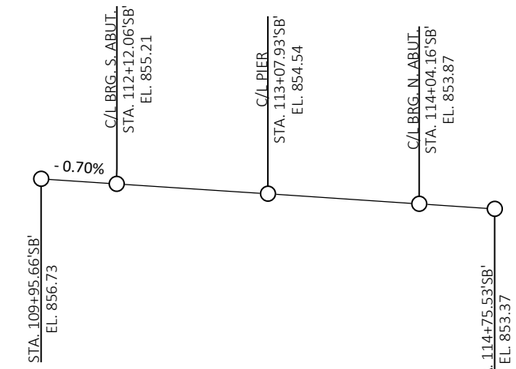
SHOT BASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY TO BE PLACED ONLY ON THE DECK. POLYMER OVERLAY IS TO BE PLACED DURING STAGE 4 CONSTRUCTION UTILIZING SINGLE LANE CLOSURES. SEE TRAFFIC CONTROL PLANS.

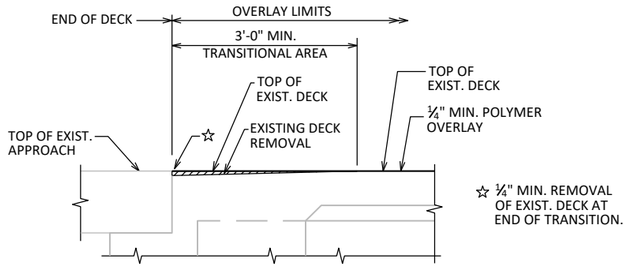
LONGITUDINAL GROOVING IS TO BE PLACED ON THE STRUCTURAL APPROACH SLABS AND THE BRIDGE DECK.

SEE LIGHTING PLANS FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH HANGING FROM DECK.

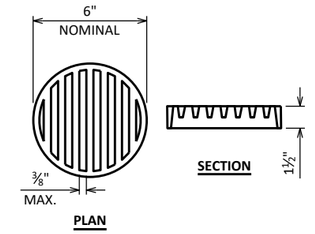
EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED 8'-0" MAX SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.



PROFILE GRADE LINE - JND SB



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION OR FIXED JOINT

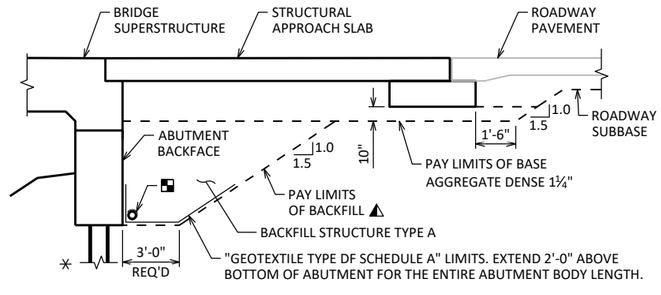


RODENT SHIELD DETAIL

⚹ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

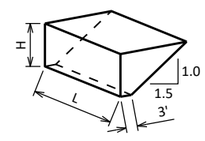
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



TYPICAL SECTION THRU ABUTMENT

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

GENERAL NOTES, PROFILES & DETAILS

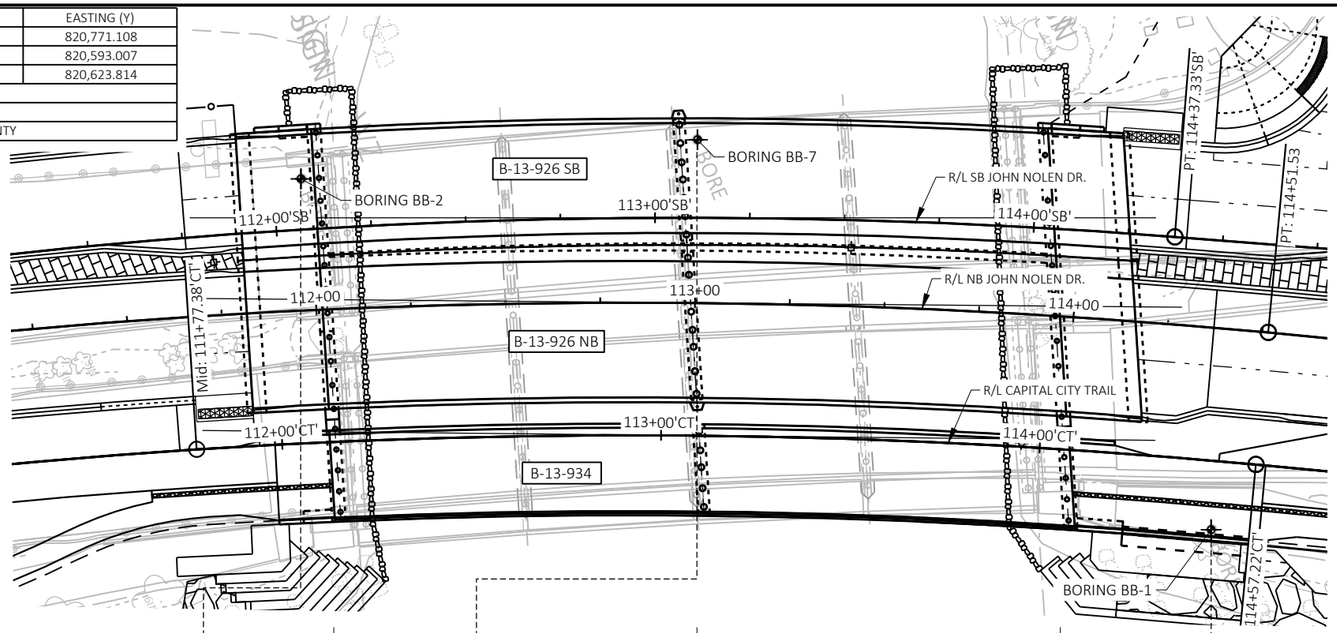
SHEET 5
1109

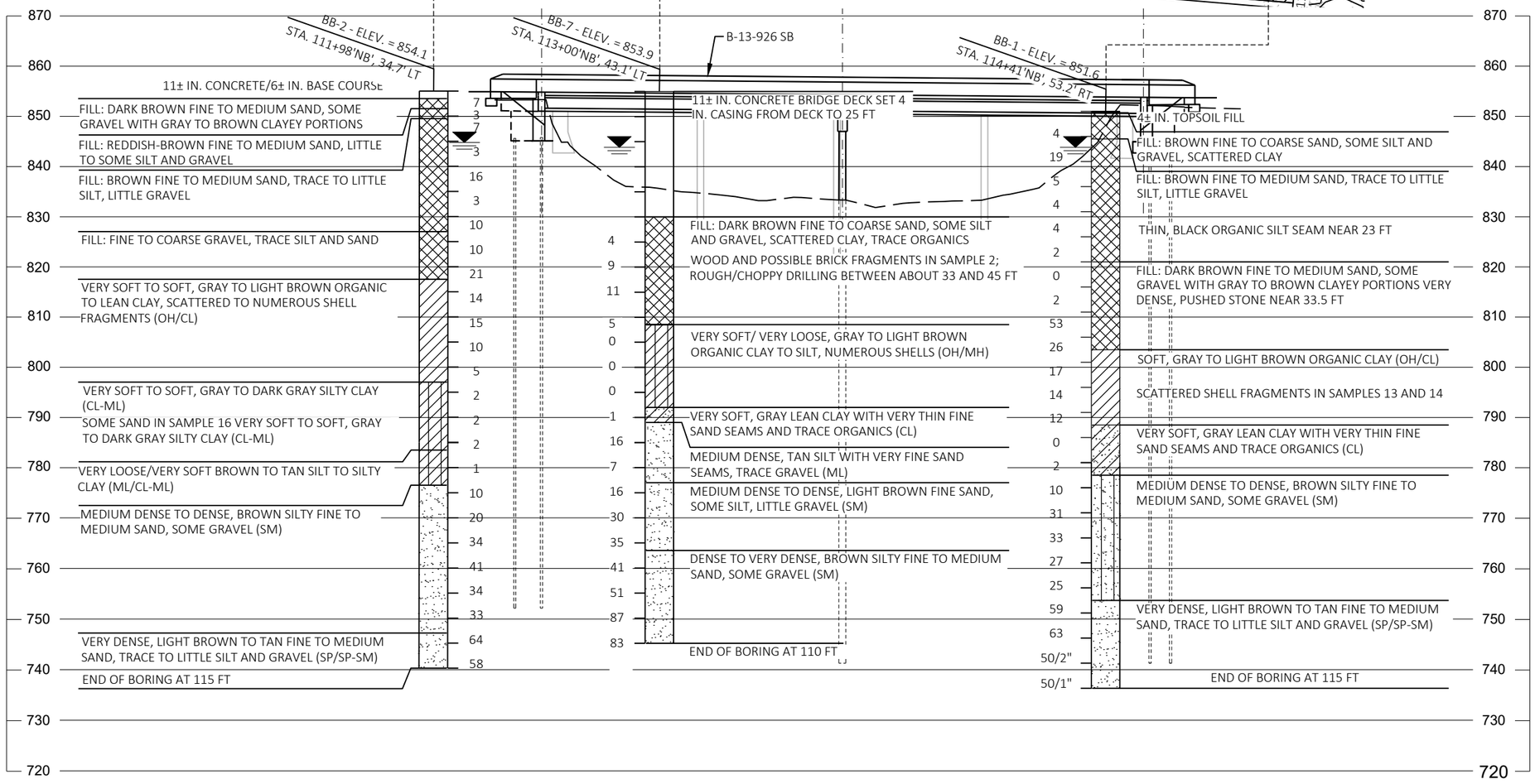
SCALE =

8

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BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-1	6/6/2023	479,877.899	820,771.108
BORING BB-2	5/4/2023	479,692.095	820,593.007
BORING BB-7	4/4/2023	479,972.570	820,623.814
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





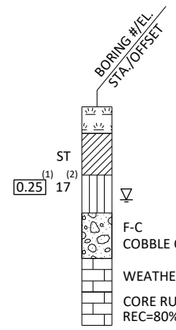
STATE PROJECT NUMBER

5992-11-27

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

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SUBSURFACE EXPLORATION

SHEET 6
1110

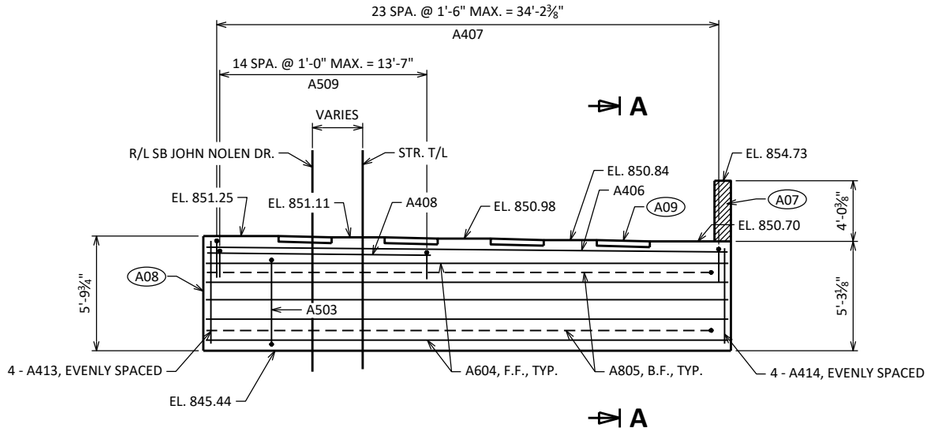
SCALE =

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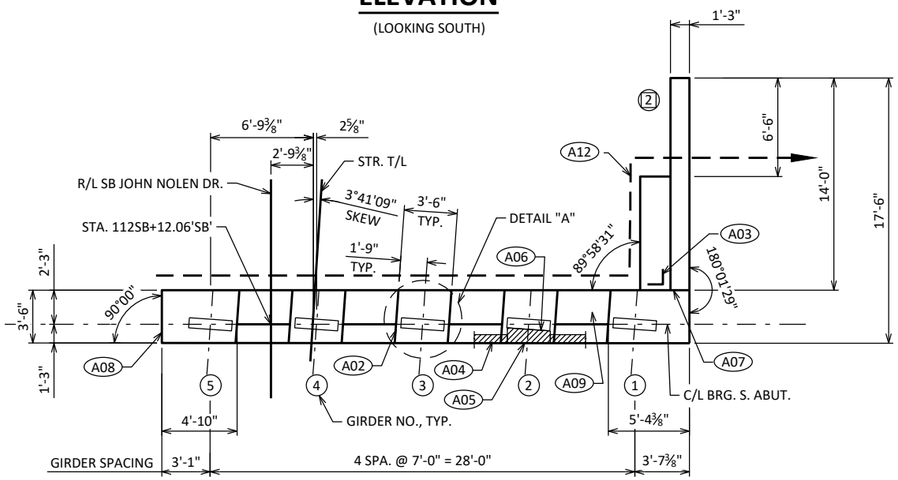
STATE PROJECT NUMBER

5992-11-27

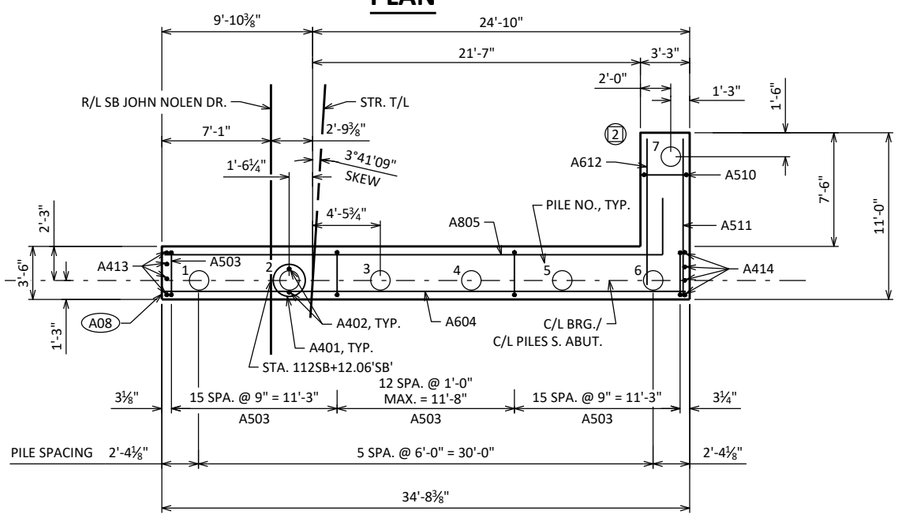


ELEVATION

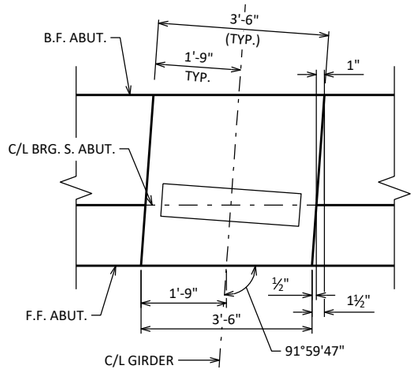
(LOOKING SOUTH)



PLAN



PILE PLAN



DETAIL "A"

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE) MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 105 FT.
- (A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO THE TOP OF WING. FILLER INCLUDED IN WING LENGTHS.
- (A08) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER TO BE INCLUDED WITH B-13-926 NB AND IS NOT INCLUDED IN ABUTMENT LENGTH.
- (A09) SLOPE BETWEEN BEAM SEATS, TYP.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SOUTH ABUTMENT

SHEET 7
1111

SCALE = 10.0

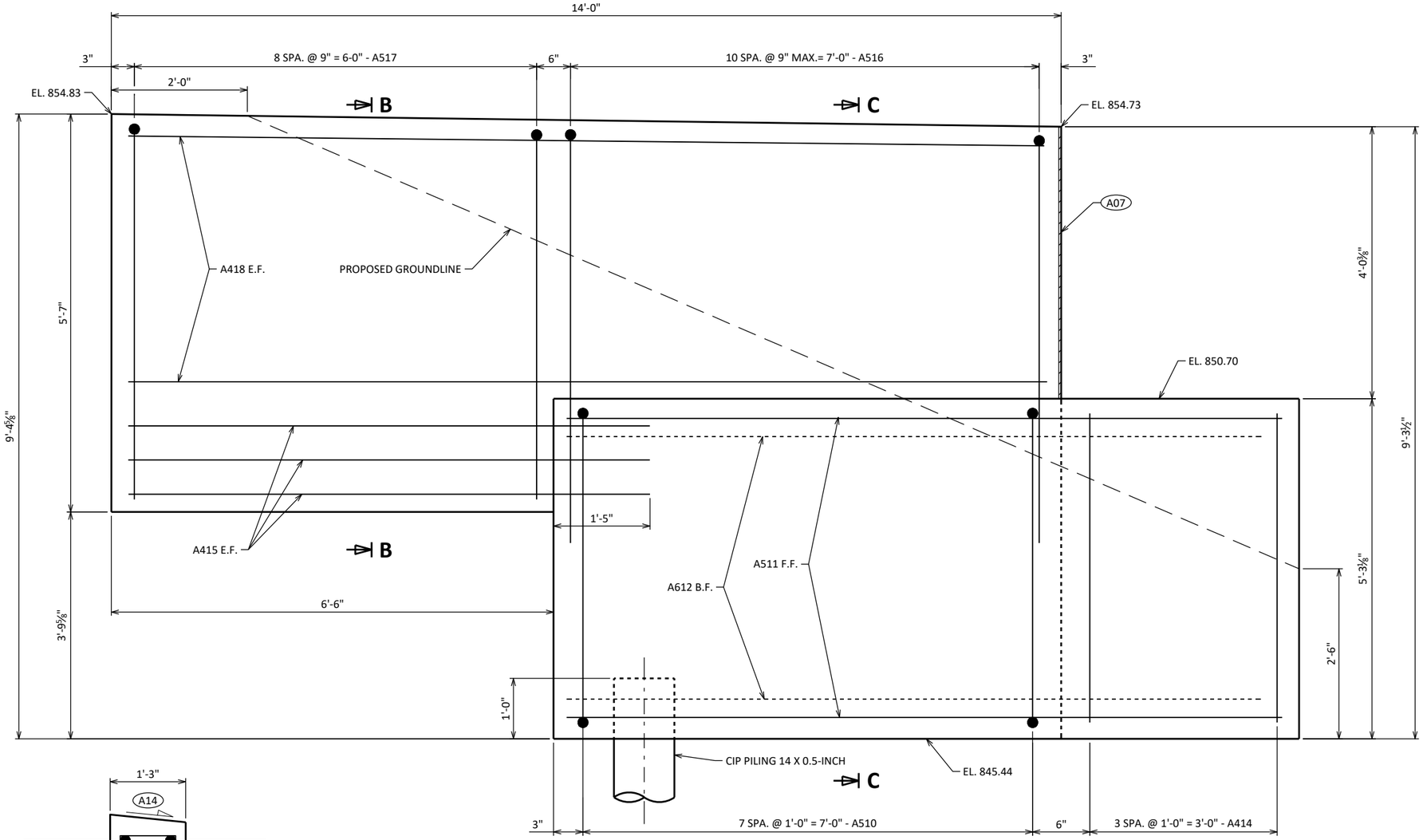
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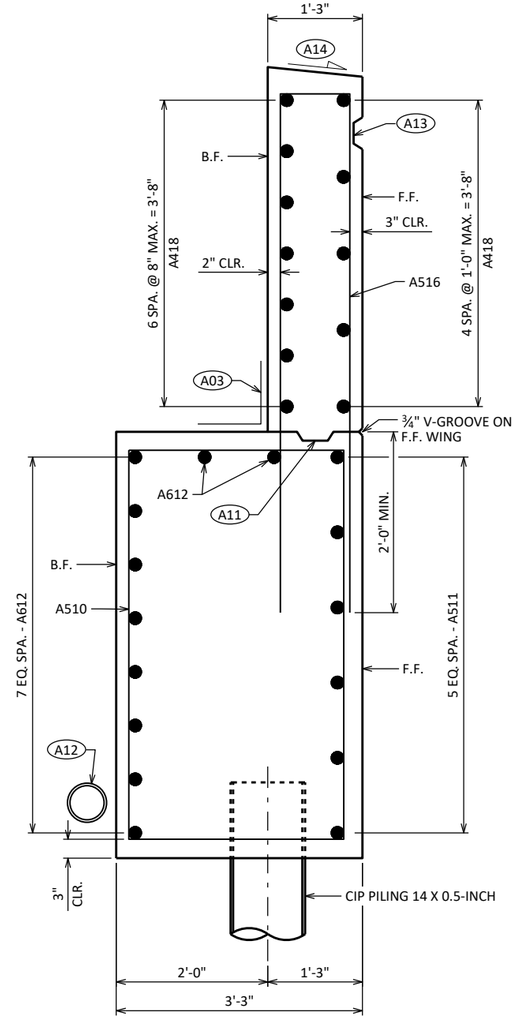
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

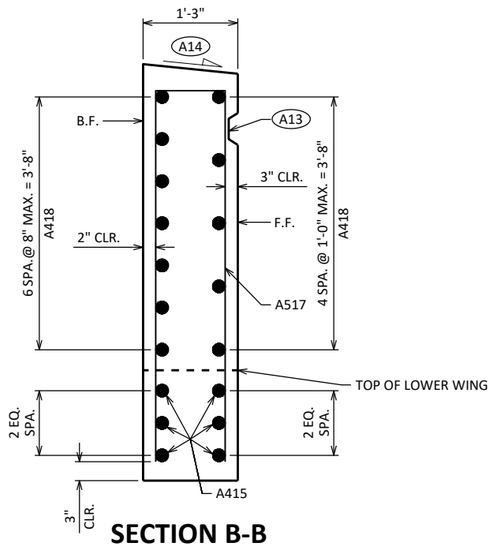
5992-11-27



ELEVATION - WING 2



SECTION C-C



SECTION B-B

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (A13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (A14) SLOPE TO DRAIN
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SOUTH ABUTMENT WING 2 DETAILS

SHEET 8
1112

SCALE = 2.0

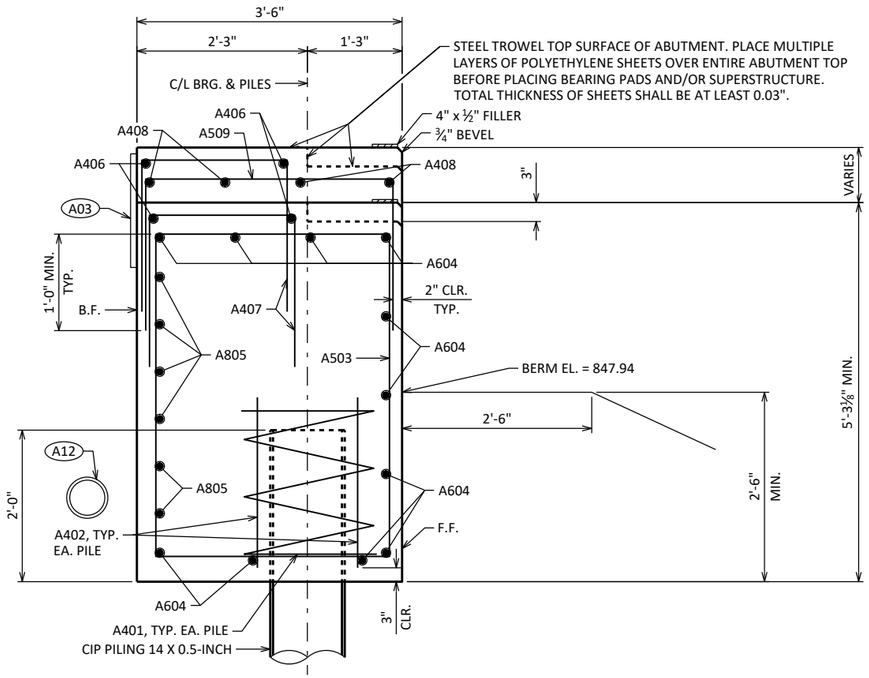
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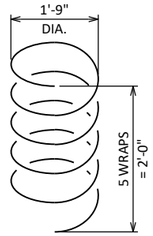
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

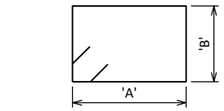
5992-11-27



SECTION A-A

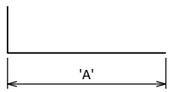


A401



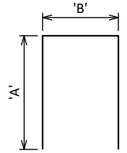
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-7"
A510	2'-11"	4'-10"

A503, A510



BAR MARK	DIMENSION 'A'
A805	32'-6"

A805



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A407	1'-10"	1'-11"
A509	1'-7"	3'-2"
A516	5'-11"	10"
A517	5'-1"	10"

A407, A509, A516, A517

TOTAL COATED = 730 LBS.

TOTAL UNCOATED = 2,260 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
A401	6	28'-0"		X	ABUT. BODY PILES
A402	12	2'-3"			ABUT. BODY PILES
A503	43	16'-2"		X	ABUT. BODY STIRRUP
A604	11	34'-4"			ABUT. BODY LONGIT. F.F.
A805	6	33'-7"		X	ABUT. BODY LONGIT. B.F.
A406	2	34'-4"			ABUT. BODY LONGIT. TOP
A407	24	5'-5"		X	ABUT. BODY LONGIT. TOP STIRRUP
A408	4	13'-7"			ABUT. BODY LONGIT. TOP
A509	15	6'-1"		X	ABUT. BODY LONGIT. TOP STIRRUP
A510	8	16'-2"	X	X	WING 2 LOWER STIRRUP
A511	6	10'-8"	X		WING 2 LOWER LONGIT. F.F.
A612	10	9'-5"	X		WING 2 LOWER LONGIT. B.F. & TOP
A413	4	5'-4"			ABUT. BODY VERT. E. END
A414	4	4'-10"			ABUT. BODY VERT. W. END
A415	6	7'-9"	X		WING 2 UPPER LONGIT. E.F.
A516	11	12'-5"	X	X	WING 2 UPPER VERT.
A517	9	10'-9"	X	X	WING 2 UPPER VERT.
A418	12	13'-8"	X		WING 2 UPPER LONGIT. E.F.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SOUTH ABUTMENT DETAILS

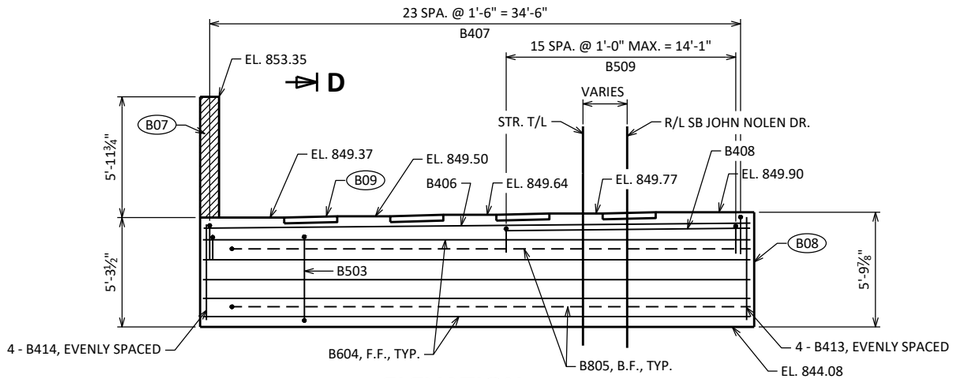
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LAYOUT NAME - SHT2C

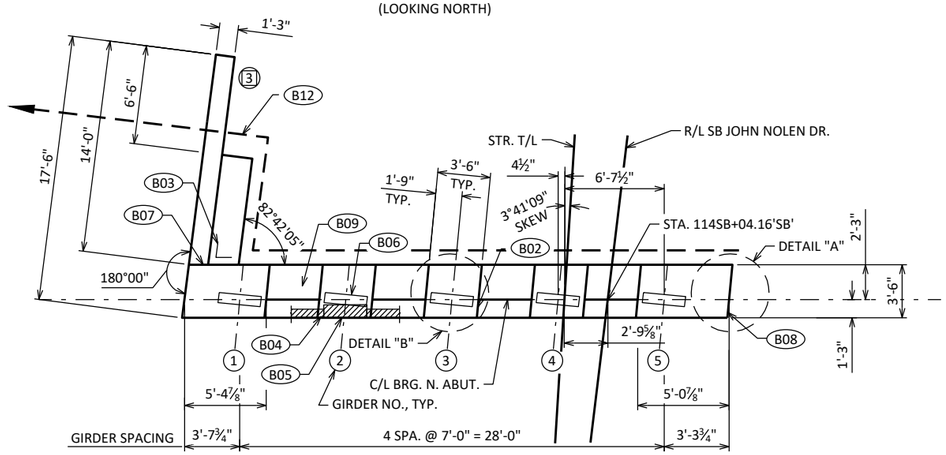
STATE PROJECT NUMBER

5992-11-27

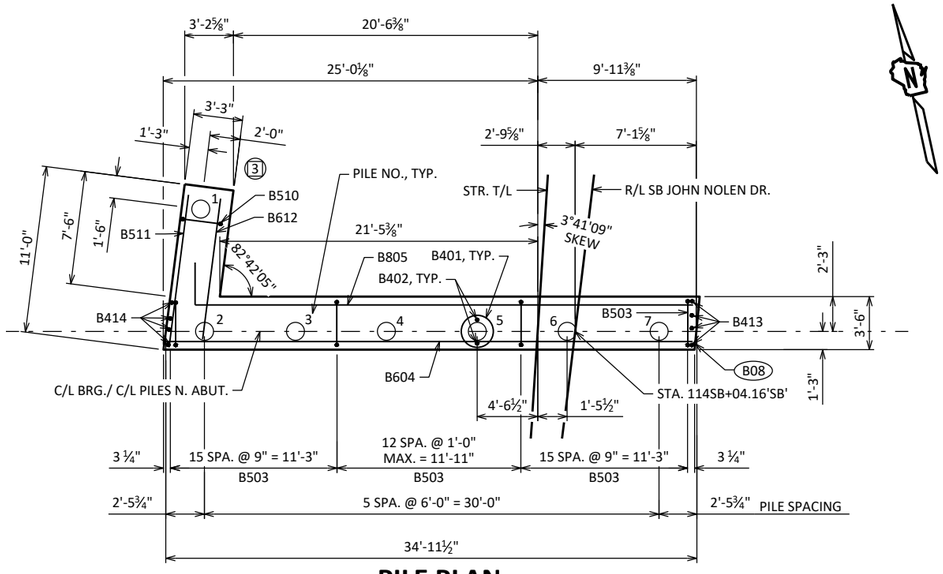


D **ELEVATION**

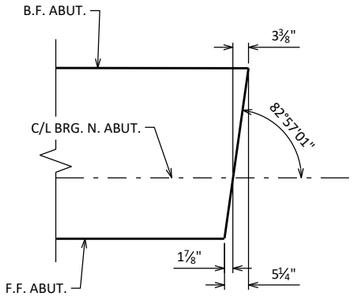
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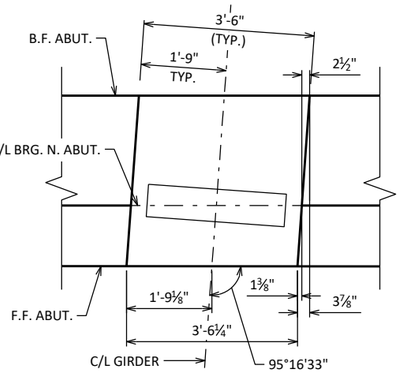
PLAN



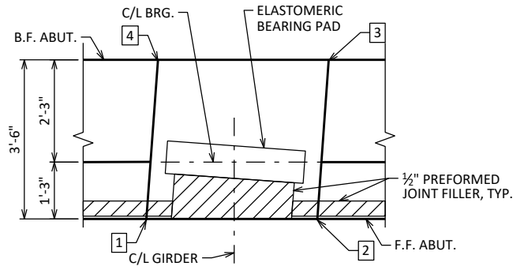
PILE PLAN



DETAIL "A"



DETAIL "B"



SLOPING BEAM SEAT DETAILS

ELEVATION CORRECTION AT POINTS			
1	2	3	4
+0.02	+0.01	-0.03	-0.03

ABUTMENT BEAM SEAT TABLE (B10)

(TYPICAL ALL GIRDERS)

LEGEND

- ○ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 220 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B08) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER TO BE INCLUDED WITH B-13-926 NB AND IS NOT INCLUDED IN ABUTMENT LENGTH.
- (B09) SLOPE BETWEEN BEAM SEATS, TYP.
- (B10) VALUES ARE IN FEET. ADD THESE VALUES TO THE BEAM SEAT ELEVATIONS SHOWN TO OBTAIN ELEVATIONS AT POINTS 1, 2, 3, & 4.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NOTES

FOR SECTION D-D SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

NORTH ABUTMENT

SHEET 10
1114

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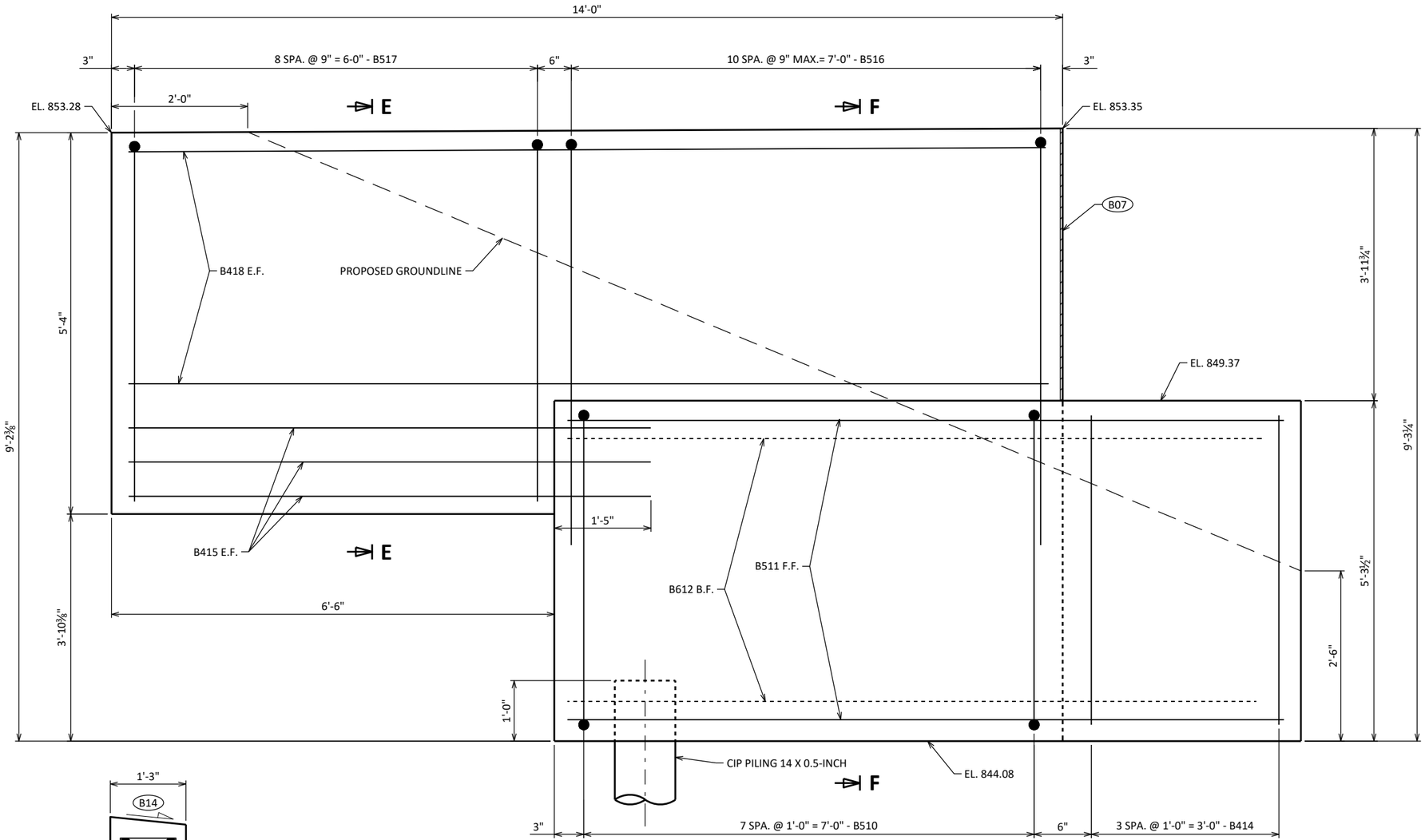
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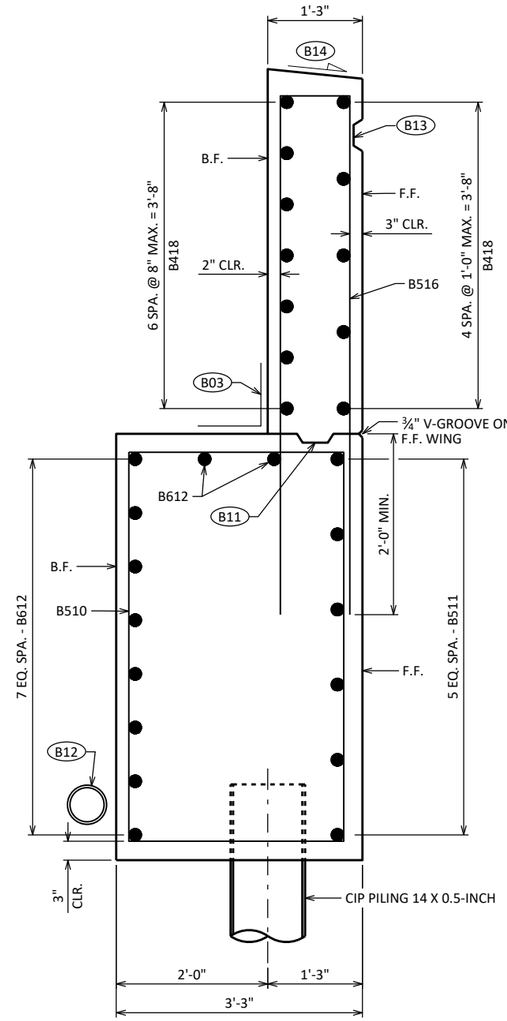
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

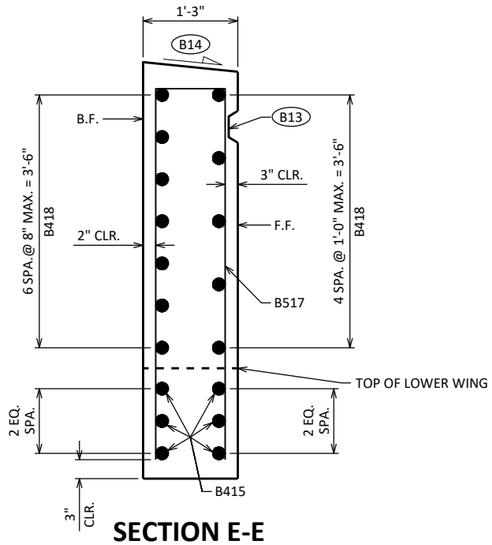
5992-11-27



ELEVATION - WING 3



SECTION F-F



SECTION E-E

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (B13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (B14) SLOPE TO DRAIN
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

NORTH ABUTMENT WING 3 DETAILS

SHEET 11
1115

SCALE = 2.0

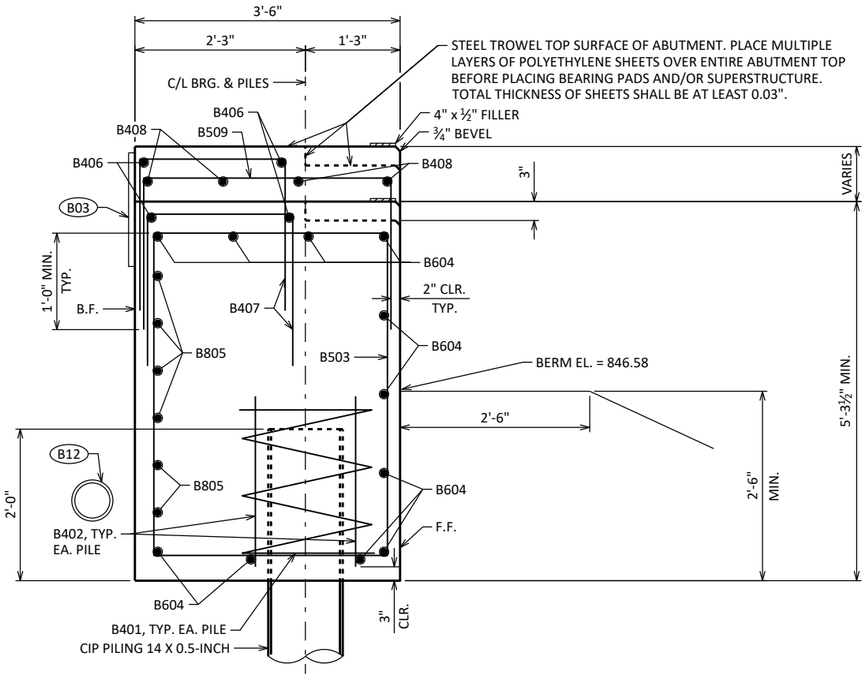
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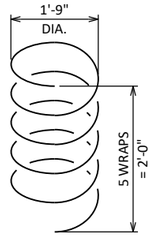
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

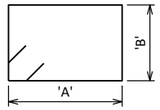
5992-11-27



SECTION D-D

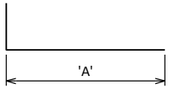


B401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-7"
B510	2'-11"	4'-10"

B503, B510



BAR MARK	DIMENSION 'A'
B805	32'-9"

B805



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B407	1'-10"	1'-11"
B509	1'-7"	3'-2"
B516	5'-10"	10"
B517	4'-11"	10"

B407, B509, B516, B517

TOTAL COATED = 730 LBS.

TOTAL UNCOATED = 2,270 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
B401	6	28'-0"		X	ABUT. BODY PILES
B402	12	2'-3"			ABUT. BODY PILES
B503	43	16'-2"		X	ABUT. BODY STIRRUP
B604	11	34'-7"			ABUT. BODY LONGIT. F.F.
B805	6	33'-11"		X	ABUT. BODY LONGIT. B.F.
B406	2	34'-7"			ABUT. BODY LONGIT. TOP
B407	24	5'-5"		X	ABUT. BODY LONGIT. TOP STIRRUP
B408	4	14'-1"			ABUT. BODY LONGIT. TOP
B509	16	6'-1"		X	ABUT. BODY LONGIT. TOP STIRRUP
B510	8	16'-2"	X	X	WING 3 LOWER STRRUP
B511	6	10'-8"	X		WING 3 LOWER LONGIT. F.F.
B612	10	9'-5"	X		WING 3 LOWER LONGIT. B.F. & TOP
B413	4	5'-5"			ABUT. BODY VERT. E. END
B414	4	4'-10"			ABUT. BODY VERT. W. END
B415	6	7'-9"	X		WING 3 UPPER LONGIT. E.F.
B516	11	12'-3"	X	X	WING 3 UPPER VERT.
B517	9	10'-5"	X	X	WING 3 UPPER VERT.
B418	12	13'-8"	X		WING 3 UPPER LONGIT. E.F.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

NORTH ABUTMENT DETAILS

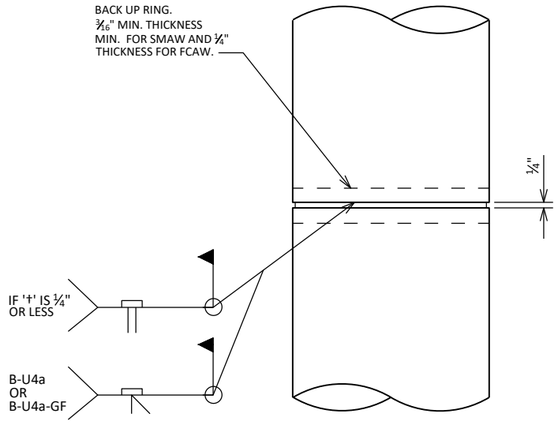
SHEET 12
1116

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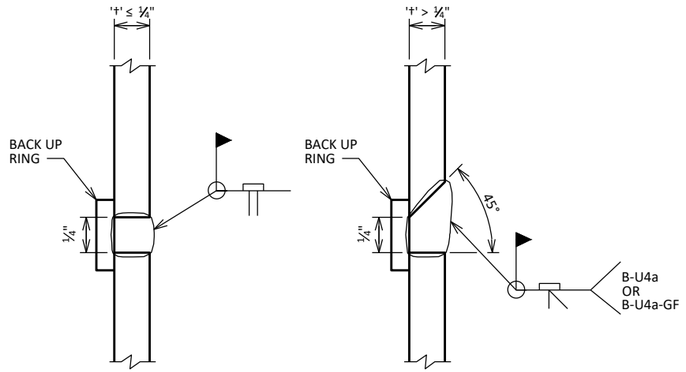
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

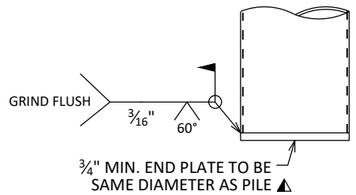
5992-11-27



CAST-IN-PLACE 'PILE PIPE'



CIP PILE WELD DETAIL



END PLATE DETAIL

LEGEND

⚠ THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILITY ANALYSIS PREFORMED BY THE CONTRACTOR. 3/4" MIN. REQUIRED.

F.F. - FRONT FACE

B.F. - BACK FACE

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUBSTRUCTURE DETAILS

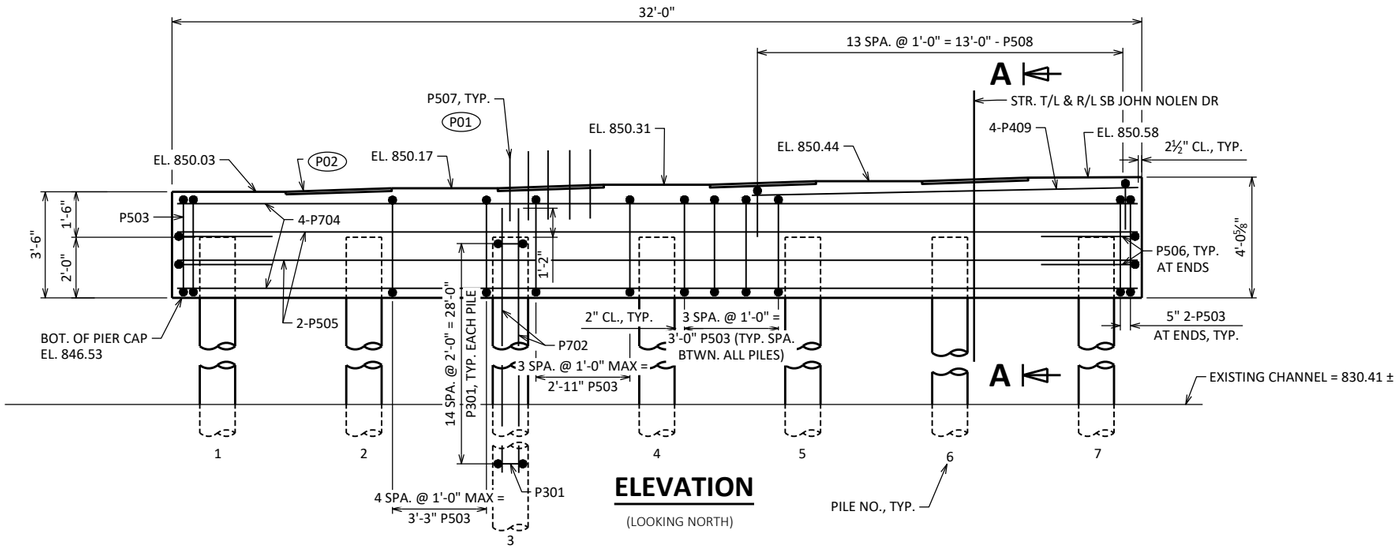
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1117

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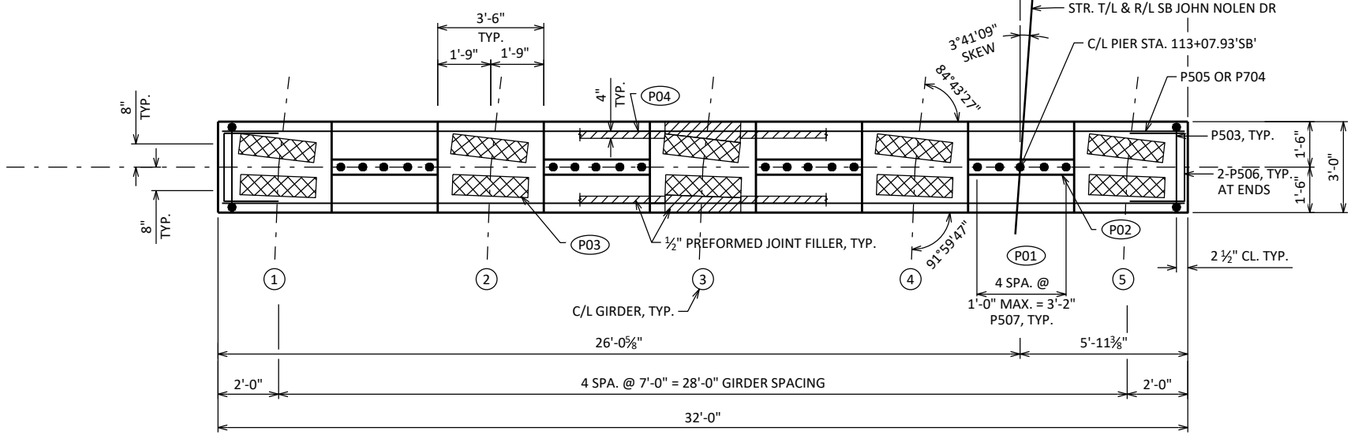
STATE PROJECT NUMBER

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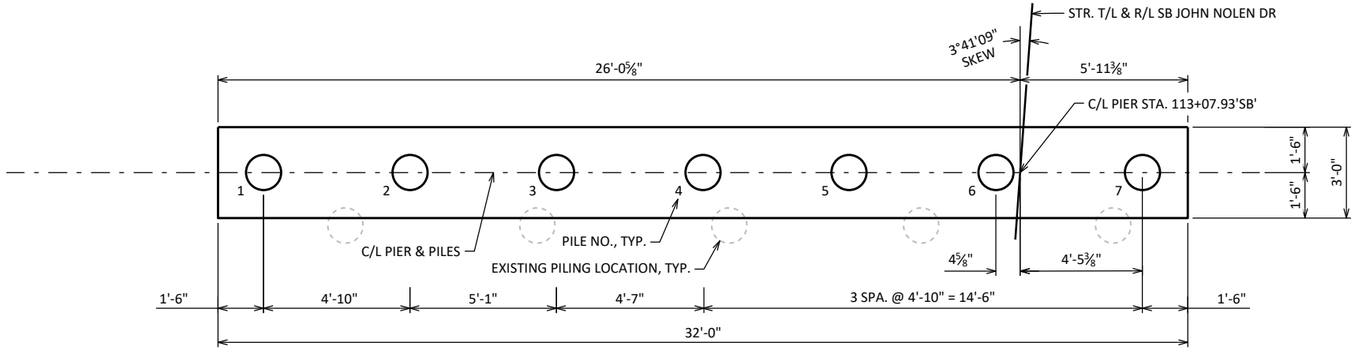


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

N

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.
- (#) INDICATES GIRDER NUMBER
- ◯ 18 X 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 370 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

PIER

SHEET 14
1118

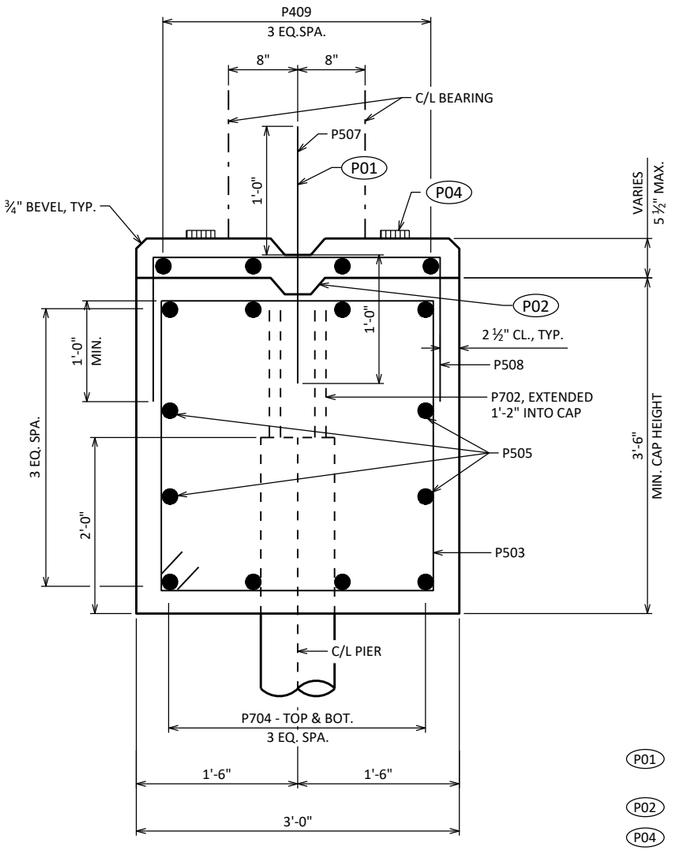
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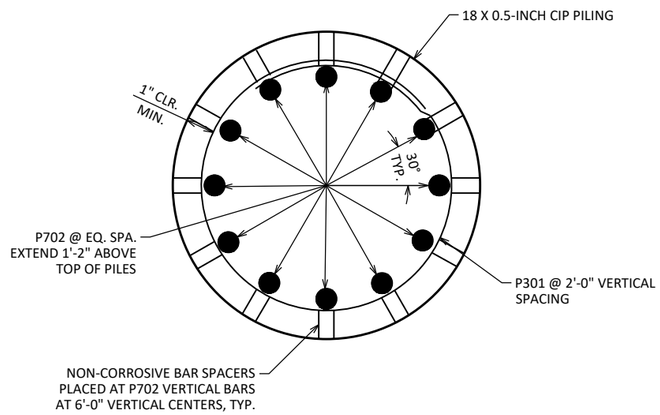
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STATE PROJECT NUMBER

5992-11-27



SECTION A-A



SECTION THRU CONCRETE CAST-IN-PLACE PILING

BILL OF BARS

TOTAL UNCOATED = 6,480 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
P301	105	5'-0"		X	PILES - TIES
P702	84	29'-4"			PILES - LONGITUDINAL
P503	33	12'-0"		X	CAP - STIRRUPS
P704	8	31'-7"			CAP - HORIZ. - TOP & BOT.
P505	4	31'-7"			CAP - HORIZ. - SIDES
P506	4	5'-2"		X	CAP - STIRRUPS - ENDS
P507	20	2'-0"			CAP - VERT. - TIES TO DIAPH.
P508	14	5'-4"		X	CAP - STIRRUPS - TOP
P409	4	13'-0"			CAP - HORIZ. - TOP

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

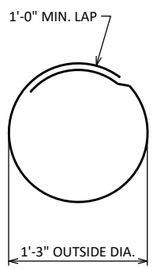
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

LEGEND

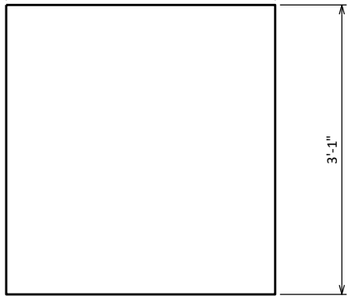
(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6" BETWEEN SEATS.

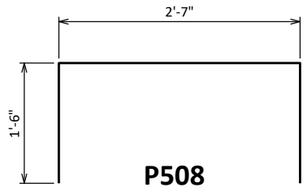
(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.



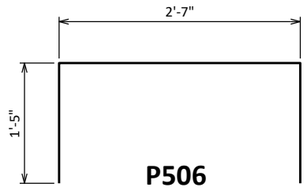
P301



P503



P508



P506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

PIER DETAILS

SHEET 15
1119

SCALE = 4.0

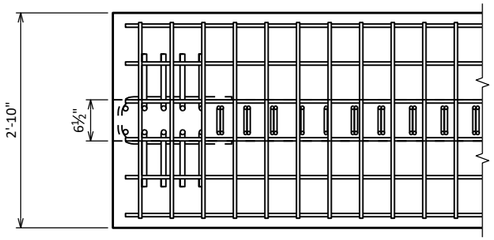
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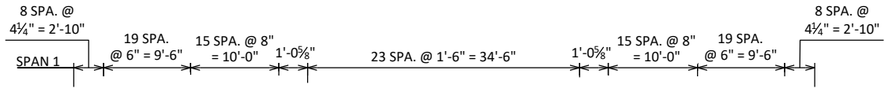
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LAYOUT NAME - SHT2C

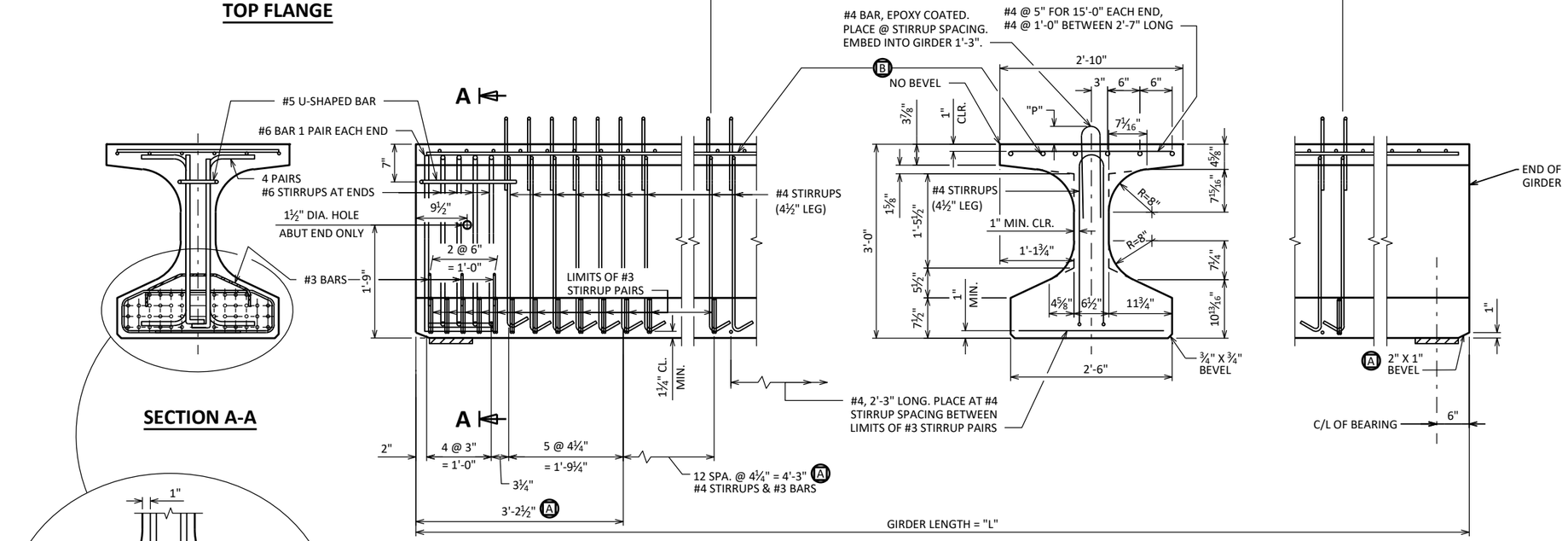
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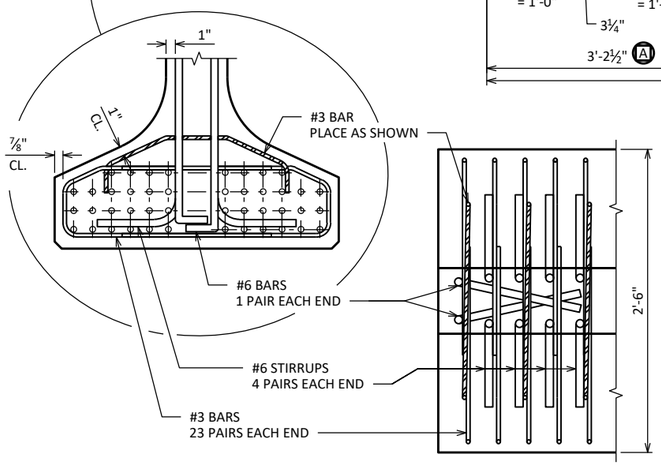


TOP FLANGE





SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

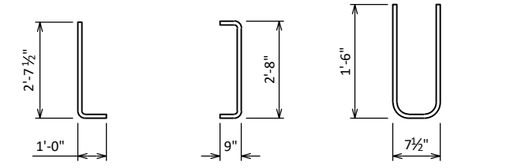
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

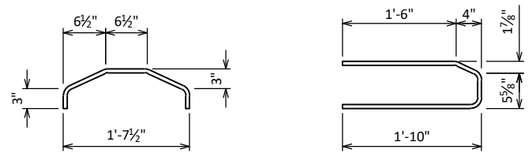
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.





⁂ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

⁂⁂ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ⁂⁂ 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⁂	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⁂
1	2-4	96'-2¼"	¾"	1½"	2⅜"	2½"	2½"	2⅜"	2"	1½"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
1	1,5	96'-2¼"	¾"	1½"	2"	2¼"	2⅜"	2¼"	2"	1⅜"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
2	2-4	96'-6½"	¾"	1½"	2⅜"	2½"	2⅝"	2½"	2⅛"	1½"	⅞"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
2	1,5	96'-6½"	¾"	1⅜"	2"	2⅜"	2½"	2⅜"	2"	1½"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

36W" PRESTRESSED GIRDER

SHEET 16
1120

SCALE = 2.0

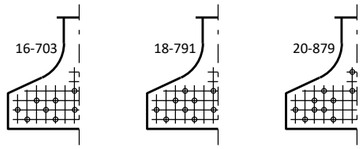
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080515_GR.DWG
LAYOUT NAME - 36W PS GIRDER

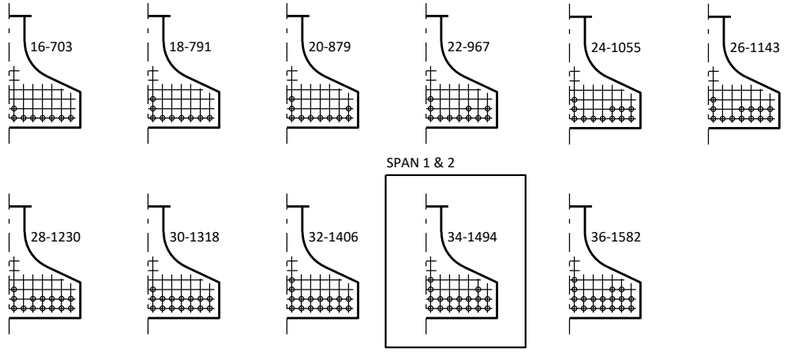
STATE PROJECT NUMBER

5992-11-27



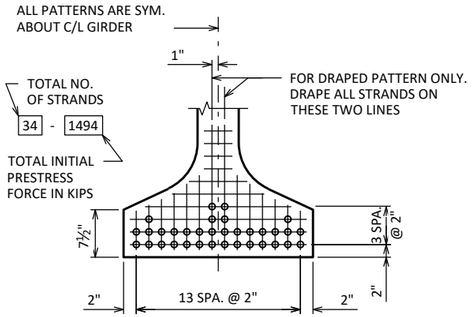
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

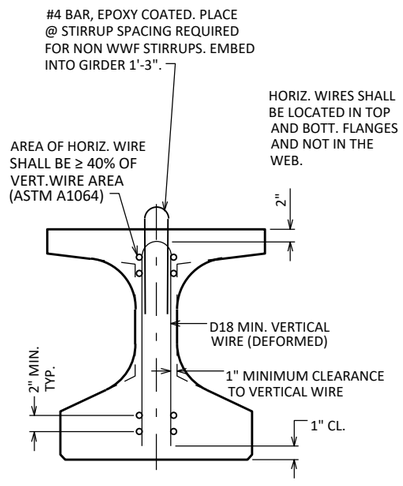


ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS

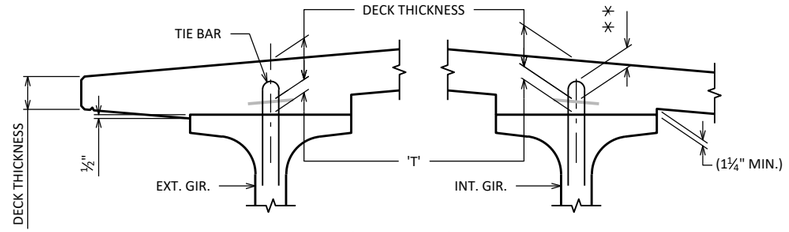


TYP. STRAND PATTERN



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE

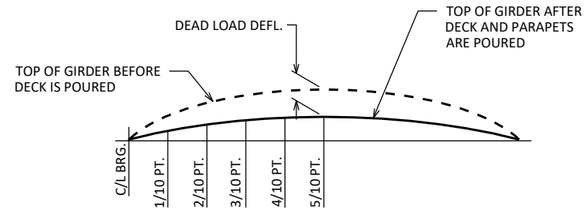
⁎ GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁎⁎ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

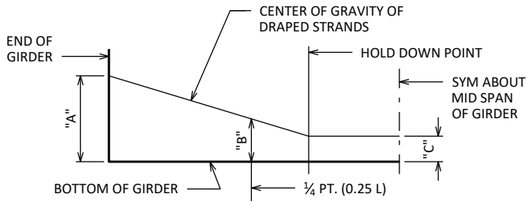
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

	TOP OF DECK ELEV. AT FINAL GRADE
-	TOP OF GIRDER ELEVATION
+	DEAD LOAD DEFLECTION
-	DECK THICKNESS
=	HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3½" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".



CAMBER AND DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

⁎ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	DRAPED PATTERN CAMBER (IN.) ⁎
1	4.24
2	4.25

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

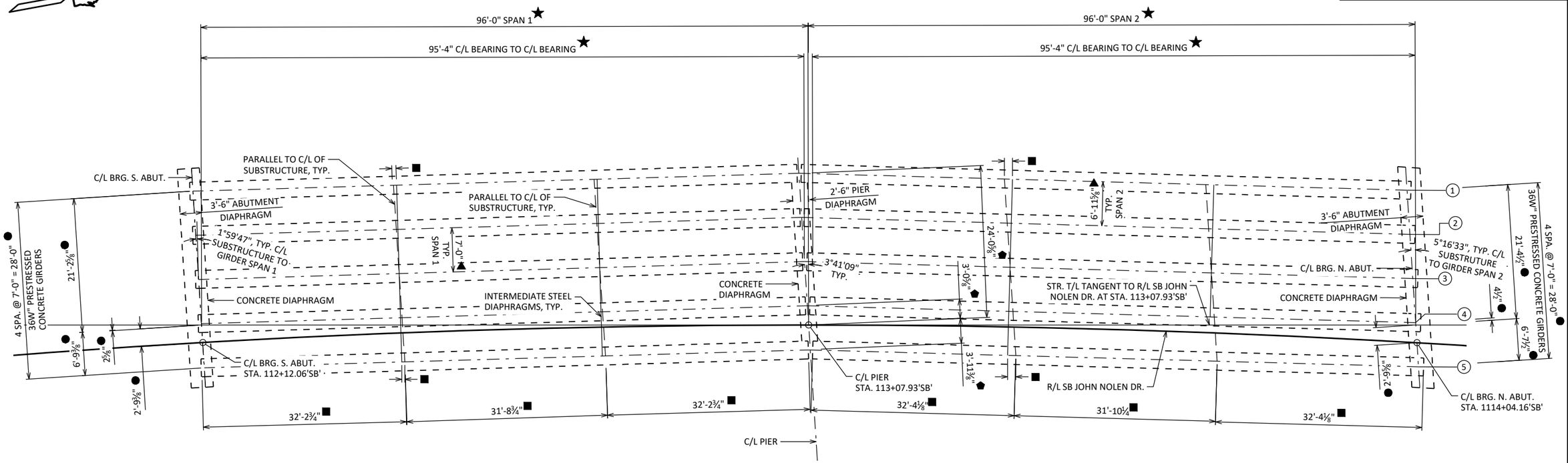
36W" PRESTRESSED GIRDER DETAILS

SHEET 17
1121

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080516_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER
5992-11-27



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
WEST EDGE OF DECK	854.72	854.65	854.58	854.52	854.45	854.39	854.32	854.25	854.19	854.12	854.06
GIRDER 1	854.74	854.67	854.61	854.55	854.48	854.42	854.35	854.28	854.22	854.14	854.08
GIRDER 2	854.88	854.81	854.75	854.69	854.62	854.55	854.49	854.42	854.35	854.28	854.21
GIRDER 3	855.02	854.95	854.89	854.83	854.76	854.69	854.62	854.56	854.49	854.41	854.35
GIRDER 4	855.15	855.09	855.03	854.96	854.90	854.83	854.76	854.70	854.63	854.55	854.49
GIRDER 5	855.29	855.23	855.17	855.10	855.04	854.97	854.90	854.83	854.77	854.69	854.62
EAST FLOW LINE	855.29	855.23	855.16	855.09	855.03	854.96	854.89	854.82	854.76	854.69	854.62
EAST EDGE OF DECK	855.34	855.29	855.22	855.15	855.09	855.02	854.95	854.88	854.82	854.75	854.68
EAST EDGE OF MEDIAN	855.85	855.80	855.72	855.65	855.59	855.52	855.45	855.38	855.32	855.25	855.18

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
WEST EDGE OF DECK	854.05	853.99	853.92	853.86	853.79	853.72	853.66	853.59	853.52	853.46	853.39
GIRDER 1	854.07	854.01	853.95	853.88	853.82	853.75	853.69	853.62	853.55	853.48	853.41
GIRDER 2	854.21	854.14	854.09	854.02	853.95	853.89	853.82	853.75	853.69	853.61	853.54
GIRDER 3	854.35	854.28	854.22	854.16	854.09	854.02	853.96	853.89	853.82	853.75	853.68
GIRDER 4	854.48	854.42	854.36	854.29	854.23	854.16	854.09	854.02	853.96	853.88	853.81
GIRDER 5	854.62	854.55	854.50	854.43	854.36	854.29	854.23	854.16	854.09	854.01	853.95
EAST FLOW LINE	854.62	854.55	854.49	854.42	854.35	854.28	854.22	854.15	854.08	854.01	853.95
EAST EDGE OF DECK	854.68	854.61	854.55	854.48	854.41	854.34	854.28	854.21	854.14	854.07	854.01
EAST EDGE OF MEDIAN	855.18	855.11	855.05	854.98	854.91	854.84	854.78	854.71	854.64	854.57	854.51

INTERMEDIATE DIAPHRAGM OFFSETS ■

GIRDER NUMBER	OFFSET	
	SPAN 1	SPAN 2
1	5 7/8"	1'-3 1/2"
2	2 7/8"	7 3/4"
3	0"	0"
4	2 7/8"	7 3/4"
5	5 7/8"	1'-3 1/2"

LEGEND

- ★ DIMENSION MEASURED ALONG STR. T/L
- ■ DIMENSION MEASURED ALONG C/L OF GIRDER
- ● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF BEARING.
- ⬟ DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF PIER.
- ▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER C/L

NOTES

GIRDER ENDS ARE TO EXTEND 6" PAST C/L BEARING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE FRAMING PLAN

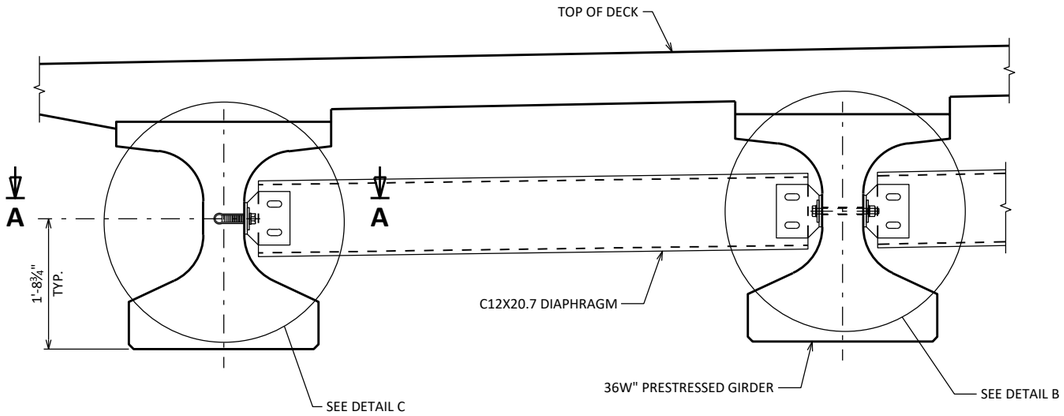
SHEET 18
1122

8

8

STATE PROJECT NUMBER

5992-11-27



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

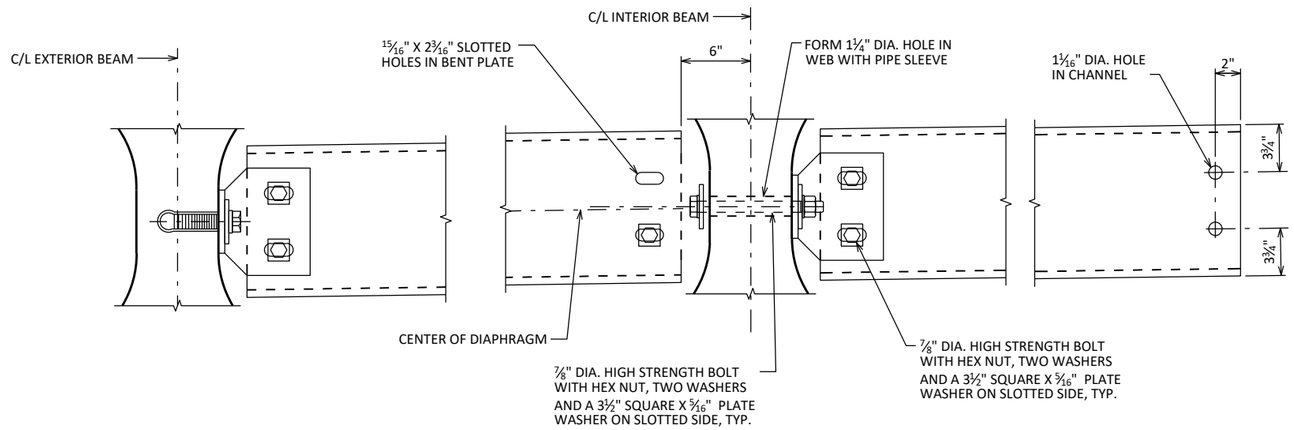
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-926 SB", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

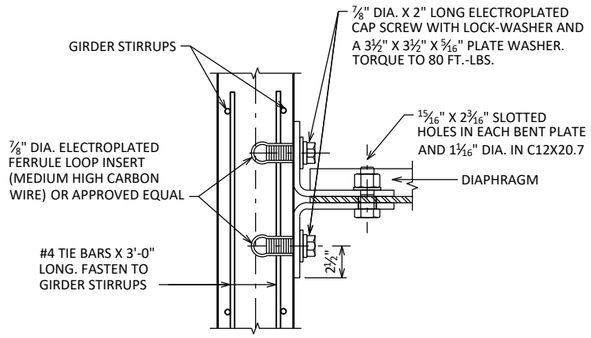
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

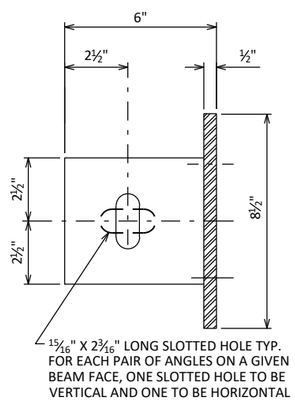
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



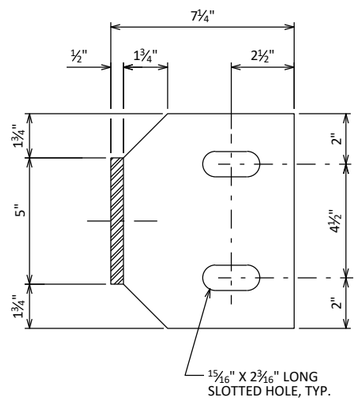
DETAIL C **DETAIL B**



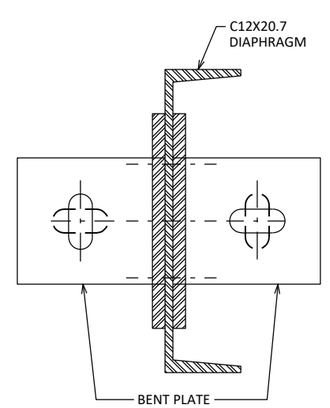
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

STEEL DIAPHRAGM

SHEET 19
1123

SCALE = 2.0

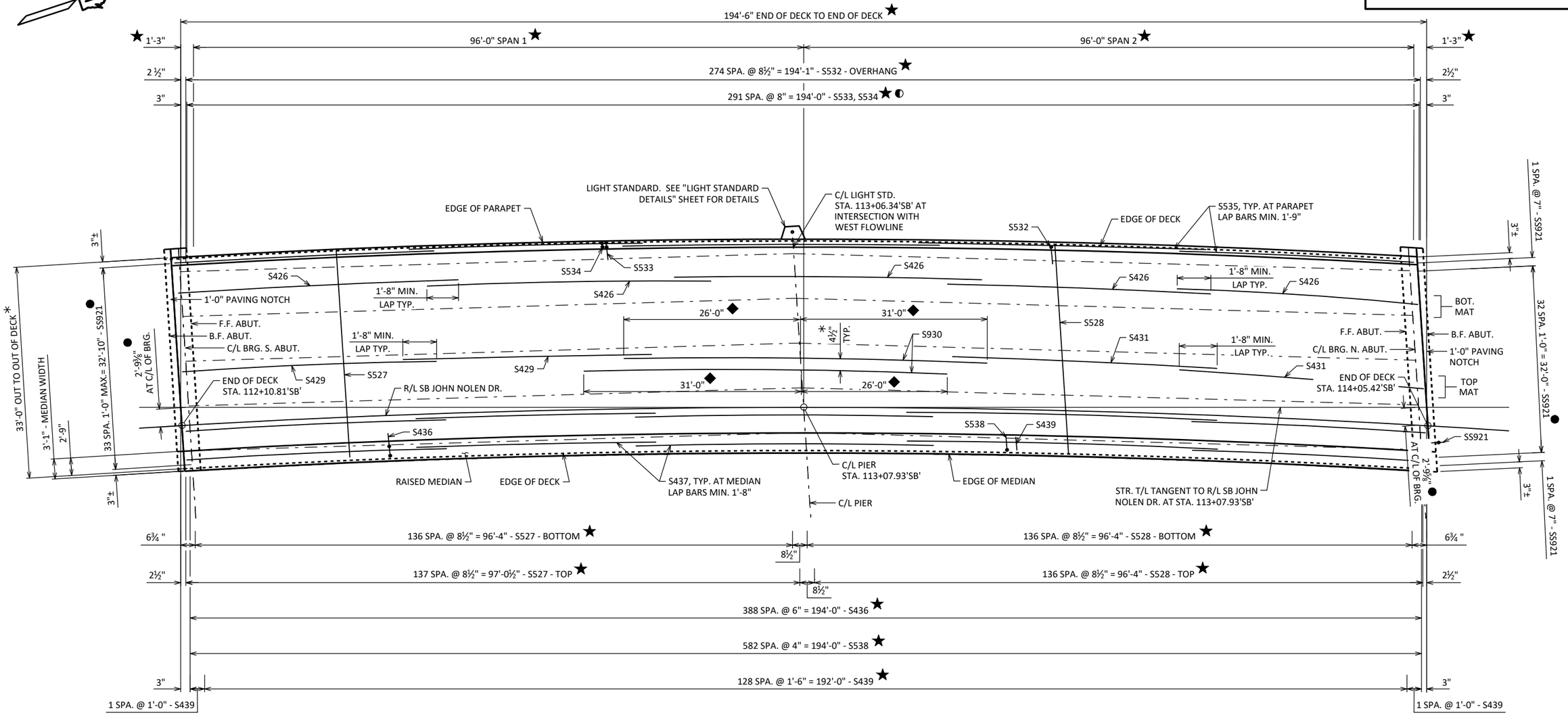
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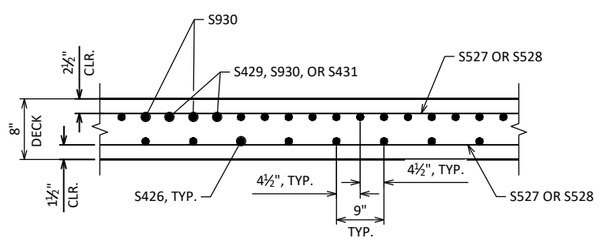
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080518_SD.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

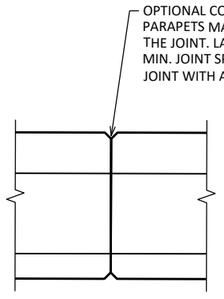
5992-11-27





CROSS SECTION THRU DECK AT PIER

(BAR SPACING DIMENSIONS SHOWN ARE MEASURED RADIALLY)



SECTION THRU PARAPET ON DECK

NOTES

LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK, MEDIAN AND PARAPET ARE PLACED PARALLEL WITH C/L OF SUBSTRUCTURE. TRANSVERSE BAR SPACING IS MEASURED ALONG THE STR. T/L.

LEGEND

★ DIMENSION OR SPACING MEASURED ALONG STR. T/L

✳ DIMENSION MEASURED RADIALLY

◆ DIMENSION MEASURED PARALLEL TO GIRDERS

◐ 2 - S534 BARS DISPLACED AND AN ADDITIONAL 2-S533 BARS PROVIDED AT JUNCTION BOX. SEE "LIGHT STANDARD DETAILS" SHEET FOR DETAILS.

● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE PLAN

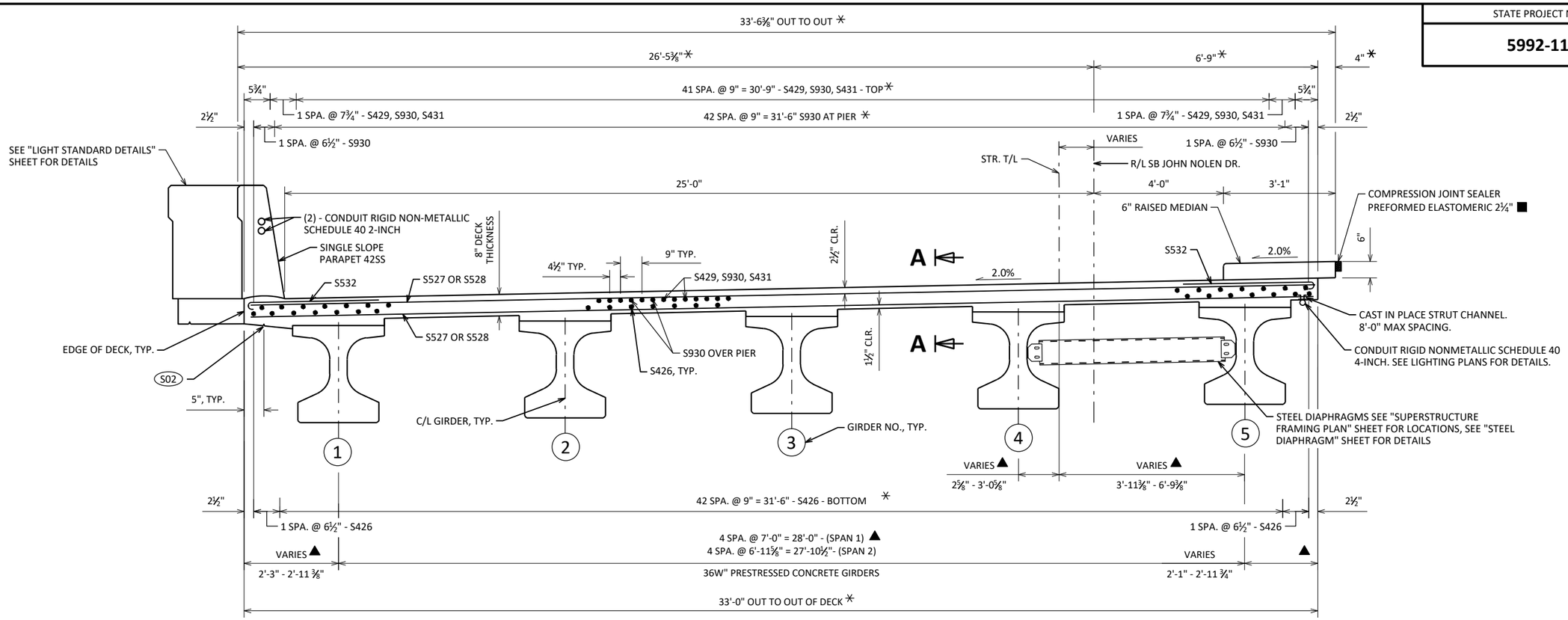
SHEET 20
1124

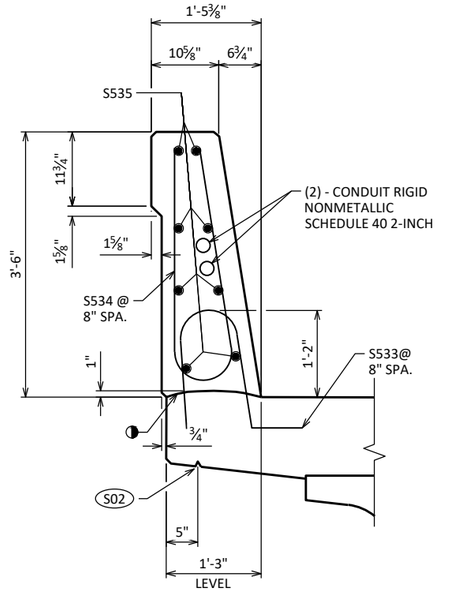
8

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STATE PROJECT NUMBER

5992-11-27





SECTION THRU PARAPET ON BRIDGE - SINGLE SLOPE PARAPET 42SS

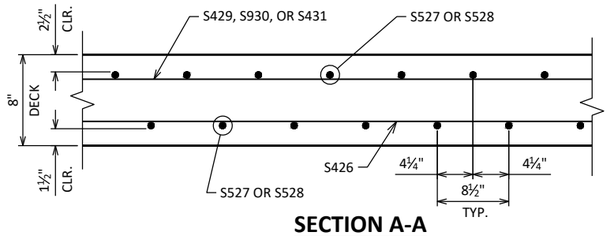
NOTES

CAST S436 AND S533 BARS INTO DECK PRIOR TO POURING MEDIAN AND PARAPETS.

LAP LONGITUDINAL NO. 5 BARS IN PARAPET AT 1'-9" MIN.

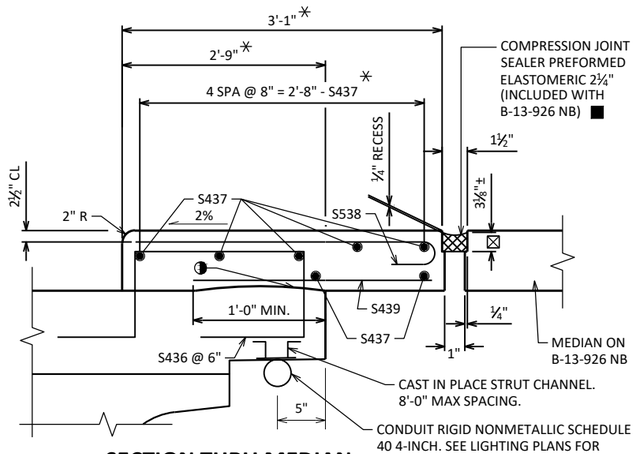
LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK, MEDIAN AND PARAPET ARE PLACED PARALLEL WITH C/L OF SUBSTRUCTURE. TRANSVERSE BAR SPACING IS MEASURED ALONG STR. T/L.



SECTION A-A

(BAR SPACING DIMENSIONS SHOWN ARE MEASURED ALONG THE STRUCTURE T/L)



SECTION THRU MEDIAN ON BRIDGE

LEGEND

- (S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).
- ◐ CONST. JT. - STRIKE OFF AS SHOWN AND LEAVE ROUGH FOR DECK POUR.
- ✳ DIMENSION MEASURED RADIALLY TO ALIGNMENT
- ▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER LINE
- ■ MANUFACTURER SHALL LABEL TOP OF SEAL
- ⊠ VARIES BASED ON MANUFACTURER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE CROSS SECTION

SHEET 21
1125

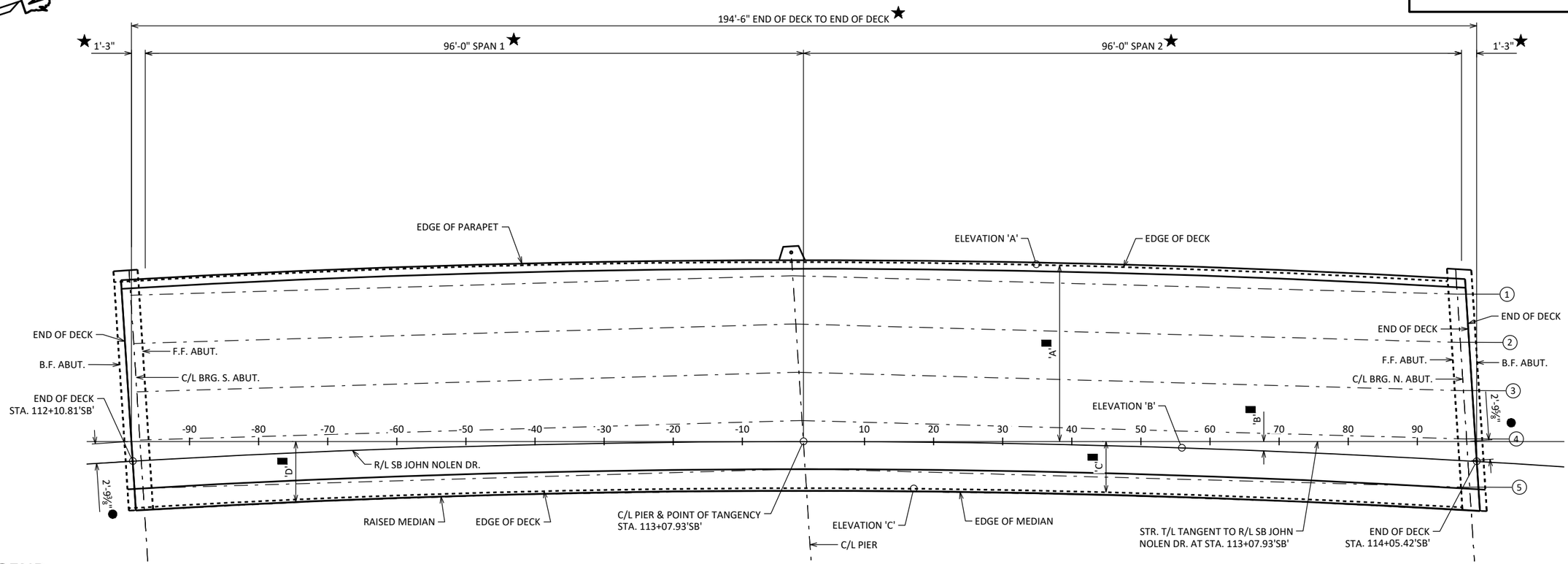
SCALE = 6.0

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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080520_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
5992-11-27



LEGEND

★ DIMENSION MEASURED ALONG STR. T/L

● DIMENSION MEASURED PARALLEL TO AND AT THE C/L OF SUBSTRUCTURE

▬ DIMENSION MEASURED PERPENDICULAR TO T/L

TANGENT OFFSET PLAN

TANGENT OFFSET AND ELEVATION TABLE

DISTANCE	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
OFFSET 'A'	23.84	24.35	24.79	25.18	25.51	25.77	25.98	26.13	26.22	26.25	26.22	26.13	25.98	25.77	25.51	25.18	24.79	24.34	23.84
ELEVATION 'A'	854.66	854.60	854.53	854.46	854.39	854.32	854.25	854.18	854.11	854.04	853.97	853.91	853.84	853.77	853.70	853.63	853.56	853.49	853.42
OFFSET 'B'	2.45	1.94	1.48	1.09	0.76	0.48	0.27	0.12	0.03	0.00	0.03	0.12	0.27	0.48	0.76	1.09	1.48	1.94	2.45
ELEVATION 'B'	855.17	855.10	855.03	854.96	854.89	854.82	854.75	854.68	854.61	854.54	854.47	854.40	854.33	854.26	854.19	854.12	854.05	853.98	853.91
OFFSET 'C'	9.21	8.69	8.24	7.84	7.51	7.24	7.02	6.87	6.78	6.75	6.78	6.87	7.02	7.24	7.51	7.84	8.24	8.69	9.21
ELEVATION 'C'	855.32	855.25	855.18	855.11	855.04	854.96	854.89	854.82	854.75	854.68	854.61	854.54	854.47	854.40	854.33	854.26	854.19	854.12	854.05
OFFSET 'D'	9.54	9.03	8.57	8.18	7.84	7.57	7.36	7.20	7.11	7.08	7.11	7.20	7.36	7.57	7.84	8.18	8.57	9.03	9.54
ELEVATION 'D'	855.82	855.75	855.68	855.61	855.54	855.46	855.39	855.32	855.25	855.18	855.11	855.04	854.97	854.90	854.83	854.76	854.69	854.62	854.55

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

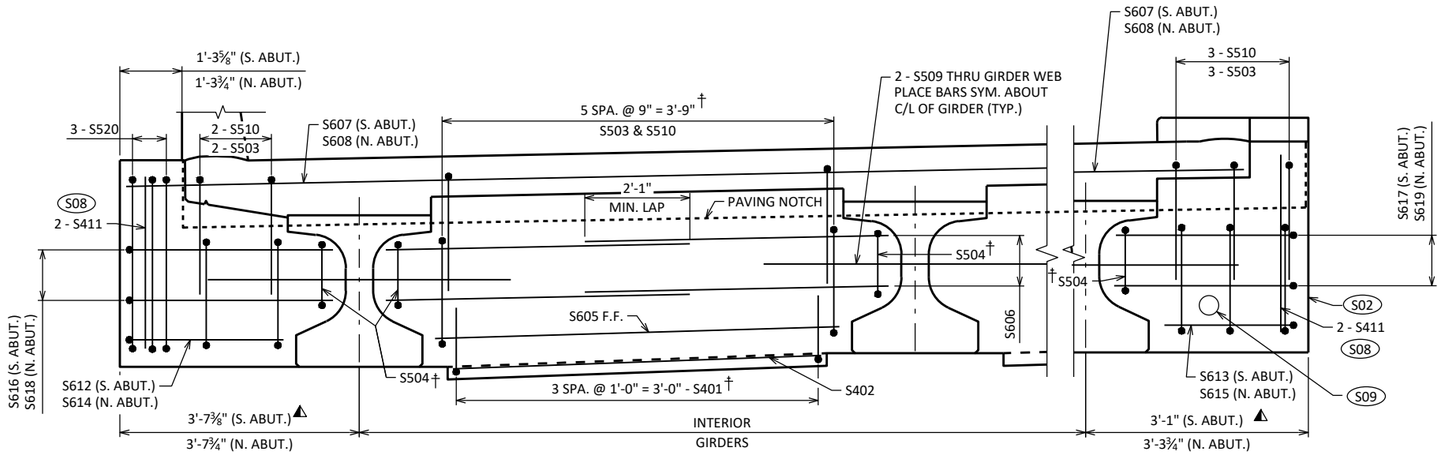
DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE LAYOUT

SHEET 22
1126

STATE PROJECT NUMBER

5992-11-27



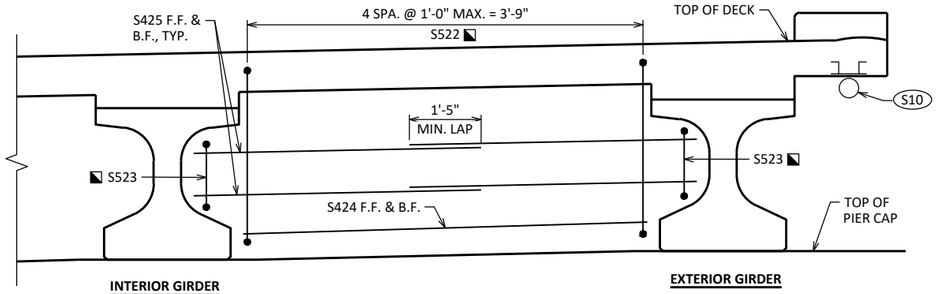
WEST EXTERIOR GIRDER DIAPHRAGM

TYP. INT. DIAPH.

EAST EXTERIOR GIRDER DIAPHRAGM

END DIAPHRAGMS

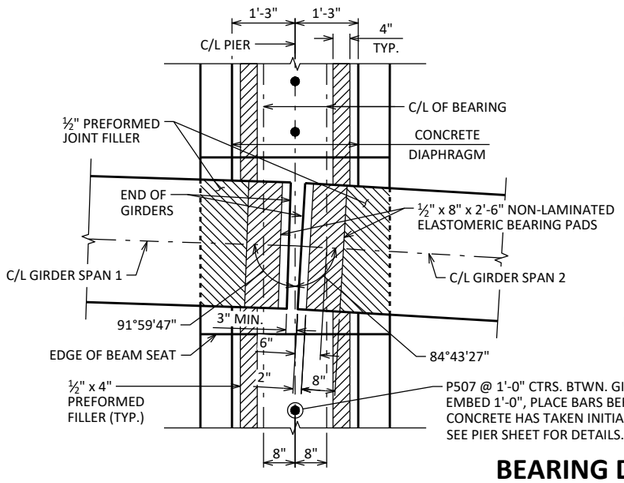
LOOKING NORTH AT NORTH ABUTMENT
(SOUTH ABUTMENT SIMILAR)



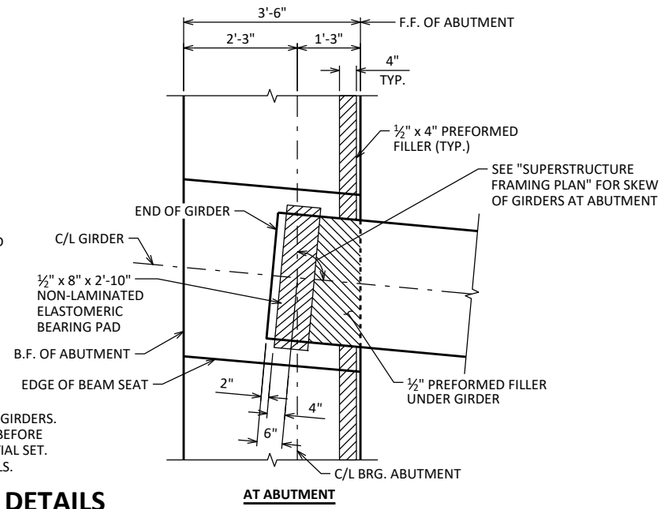
INTERIOR GIRDER

EXTERIOR GIRDER

PART. TRANS. SECTION AT DIAPHRAGM PIER



AT PIER

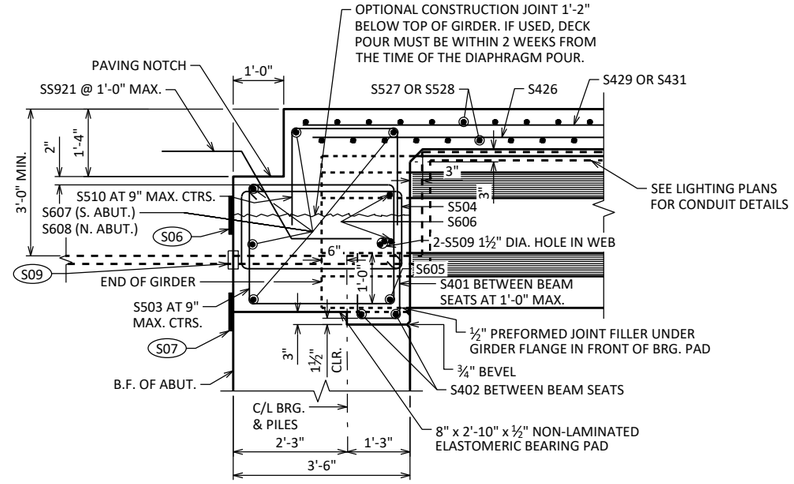


AT ABUTMENT

(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)

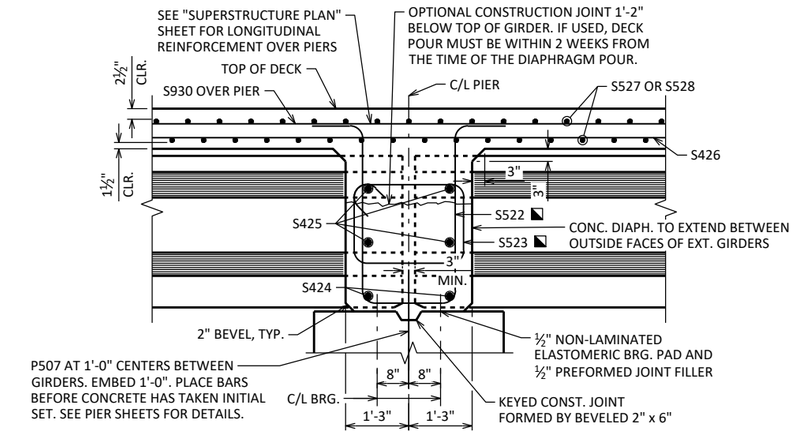
BEARING DETAILS

(DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE UNLESS NOTED OTHERWISE)



PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)



PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

LEGEND

- (S02) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER TO BE INCLUDED WITH B-13-926 NB AND IS NOT INCLUDED IN DIAPHRAGM LENGTH.
- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "HPC MASONRY STRUCTURES")
- (S07) RUBBERIZED MEMBRANE WATERPROOFING
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END
- (S09) DEFLECTION/EXPANSION FITTING REQUIRED FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH. SEE "CONDUIT DETAILS" SHEET. SEE LIGHTING PLANS FOR ADDITIONAL DETAILS.
- (S10) PROVIDE CAST IN PLACE STRUT CHANNEL FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 4-INCH. 8'-0" MAX SPACING.
- † BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L OF GIRDERS
- ◭ DIMENSION TAKEN AT C/L OF ABUTMENT AND PARALLEL TO C/L OF ABUTMENT. DIMENSION DOES NOT INCLUDE 1" FILLER ON MEDIAN SIDE. EDGE OF DIAPHRAGM TO ALIGN WITH EDGE OF ABUTMENT.
- ◪ BARS PLACED PERPENDICULAR TO C/L OF PIER. SPACING IS PARALLEL TO C/L OF PIER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE DETAILS

SHEET 23
1127

SCALE = 3.0

8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080522_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

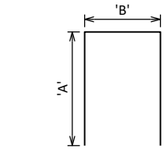
5992-11-27

BILL OF BARS

TOTAL STAINLESS = 1,180 LBS.

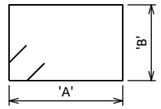
TOTAL COATED = 62,390 LBS.

BAR MARK	NO. REQ'D.	LENGTH	COAT	STAINLESS STEEL	BENT	LOCATION
S401	32	3'-5"	X		X	ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S402	16	3'-1"	X			ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S503	58	11'-8"	X		X	ABUT. DIAPH. STIRRUP
S504	20	9'-10"	X		X	ABUT. DIAPH. STIRRUP
S605	8	4'-2"	X			ABUT. DIAPH. BOTTOM FRONT FACE
S606	32	4'-2"	X			ABUT. DIAPH. FRONT FACE
S607	5	34'-4"	X			ABUT. DIAPH. BACK & TOP S. ABUT.
S608	5	34'-7"	X			ABUT. DIAPH. BACK & TOP N. ABUT.
S509	20	6'-0"	X			ABUT. DIAPH. THRU GIRDER WEB
S510	58	7'-1"	X		X	ABUT. DIAPH. VERT.
S411	8	3'-8"	X			ABUT. DIAPH. VERT.
S612	1	6'-8"	X		X	ABUT. DIAPH. WEST END HORIZ. S. ABUT.
S613	1	5'-6"	X		X	ABUT. DIAPH. EAST END HORIZ. S. ABUT.
S614	1	6'-10"	X		X	ABUT. DIAPH. WEST END HORIZ. N. ABUT.
S615	1	6'-0"	X		X	ABUT. DIAPH. EAST END HORIZ. N. ABUT.
S616	2	8'-0"	X		X	ABUT. DIAPH. WEST END HORIZ. S. ABUT.
S617	2	7'-0"	X		X	ABUT. DIAPH. EAST END HORIZ. S. ABUT.
S618	2	8'-2"	X		X	ABUT. DIAPH. WEST END HORIZ. N. ABUT.
S619	2	7'-4"	X		X	ABUT. DIAPH. EAST END HORIZ. N. ABUT.
S520	6	14'-4"	X		X	ABUT. DIAPH. EAST END VERT.
SS921	69	5'-0"		X	X	CONC. ABUT. DIAPH. TO APPROACH SLAB
S522	20	10'-8"	X		X	PIER DIAPH. STIRRUP
S523	8	7'-10"	X		X	PIER DIAPH. STIRRUP
S424	8	4'-2"	X			PIER DIAPH. HORIZ.
S425	32	3'-8"	X			PIER DIAPH. HORIZ.
S426	225	40'-4"	X			SLAB BOT. - LONGIT.
S527	275	32'-8"	X			SLAB TOP & BOT, TRANS. SPAN 1
S528	274	32'-9"	X			SLAB TOP & BOT, TRANS. SPAN 2
S429	88	37'-4"	X			SLAB TOP SPAN 1 LONGIT.
S930	89	57'-3"	X			SLAB TOP LONGIT. OVER PIER
S431	88	34'-11"	X			SLAB TOP SPAN 2 LONGIT.
S532	550	4'-11"	X		X	DECK OVERHANG TRANS.
S533	294	4'-5"	X		X	PARAPET VERT.
S534	292	6'-8"	X		X	PARAPET VERT.
S535	40	40'-5"	X			PARAPET HORIZ.
S436	389	5'-9"	X		X	MEDIAN VERT.
S437	35	40'-4"	X			MEDIAN LONGIT.
S538	583	3'-8"	X		X	MEDIAN TOP TRANS. OVERHANG
S439	131	1'-2"	X			MEDIAN BOT. TRANS. OVERHANG
S540	12	7'-9"	X		X	LIGHT STD. - TRANS. - DECK -TOP
S541	12	7'-2"	X			LIGHT STD. - TRANS. - DECK -BOT.
S542	4	7'-0"	X		X	LIGHT STD. - VERT. - PARAPET
S543	2	3'-4"	X		X	LIGHT STD. - VERT. - PARAPET
S644	9	10'-0"	X		X	LIGHT STD. - HORIZ. - PARAPET
S545	4	7'-8"	X		X	LIGHT STD. - VERT. - PARAPET
S546	2	4'-0"	X		X	LIGHT STD. - VERT. - PARAPET



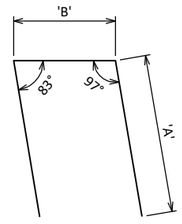
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S510	2'-7"	2'-2"
S612	2'-0"	3'-0"
S613	1'-5"	3'-0"
S616	2'-8"	3'-0"
S617	2'-2"	3'-0"
S545	3'-1"	1'-9"

S401, S510, S612, S613, S616, S617, S545



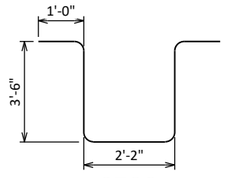
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-4"
S504	3'-2"	1'-5"
S520	3'-2"	3'-8"
S523	2'-2"	1'-5"

S503, S504, S520, S523

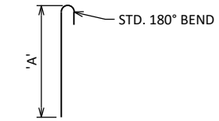


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S614	2'-1"	3'-0"
S615	1'-8"	3'-0"
S618	2'-9"	3'-0"
S619	2'-4"	3'-0"

S614, S615, S618, S619

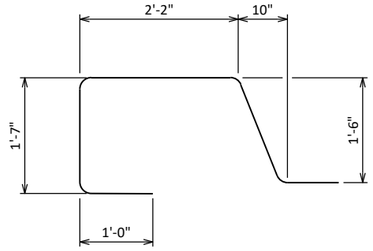


S522

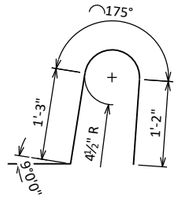


BAR MARK	DIMENSION 'A'
S532	4'-4"
S538	3'-1"
S540	7'-2"

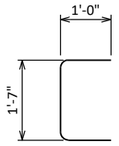
S532, S538, S540



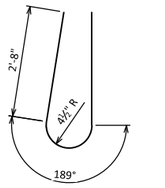
S542



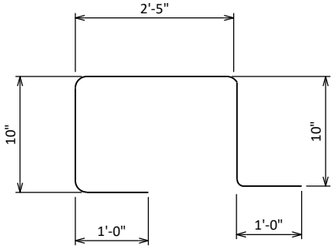
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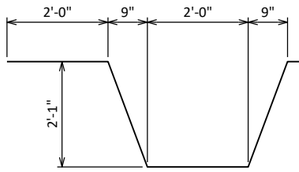
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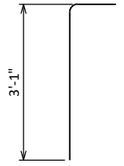
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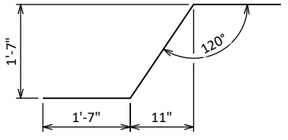
S436



S644



S546



SS921
STAINLESS STEEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SUPERSTRUCTURE BILL OF BARS

SHEET 24
1128

SCALE = 3.0

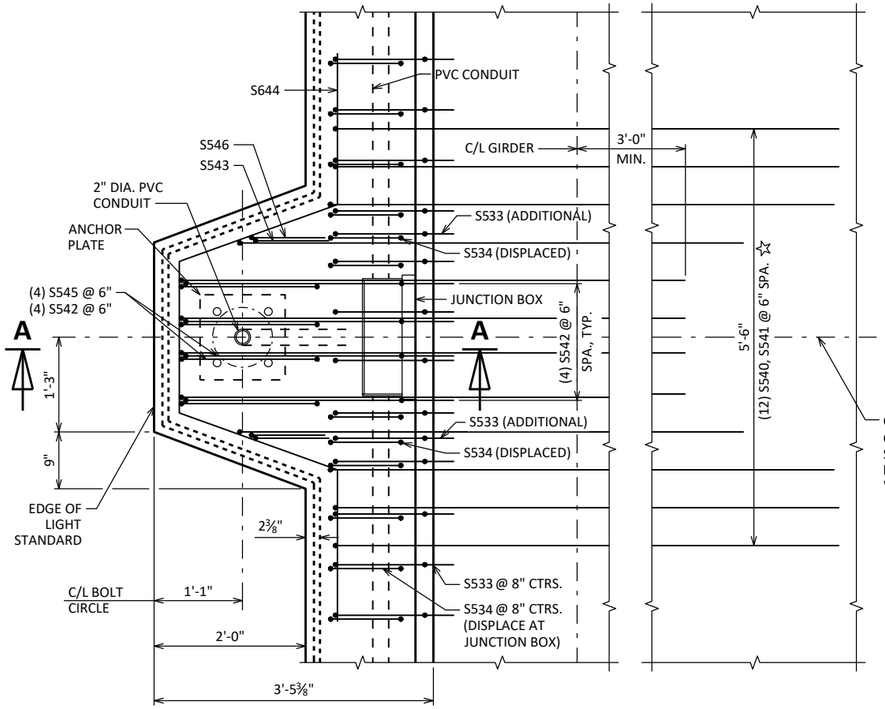
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080523_SS.DWG
LAYOUT NAME - SHT2C

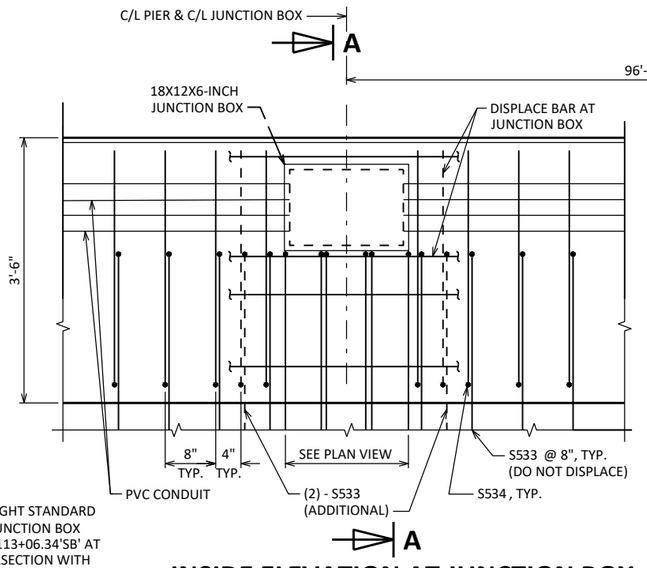
STATE PROJECT NUMBER

5992-11-27



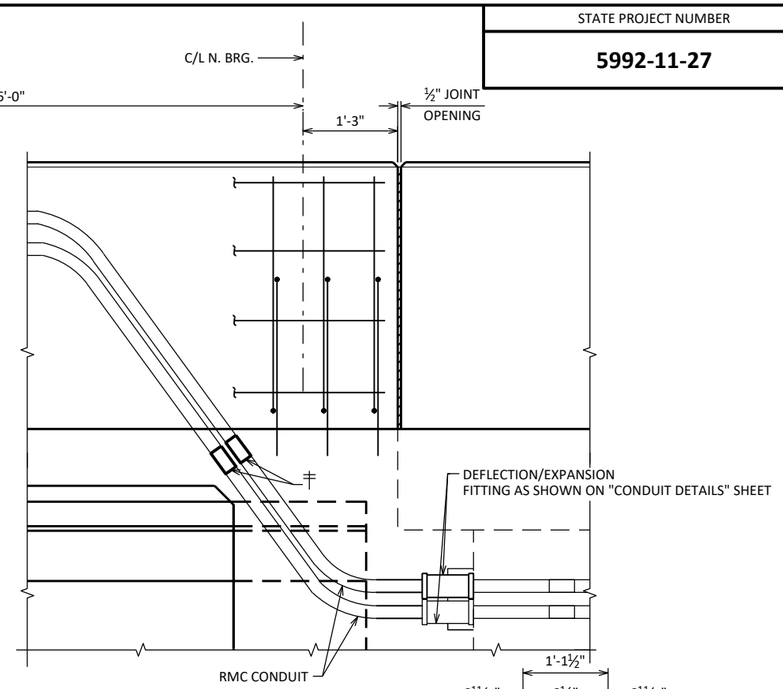
PLAN AT LIGHT STANDARD

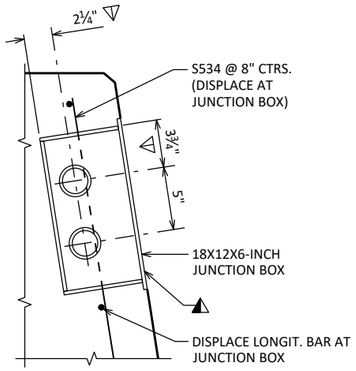
(DECK STEEL NOT SHOWN FOR CLARITY)



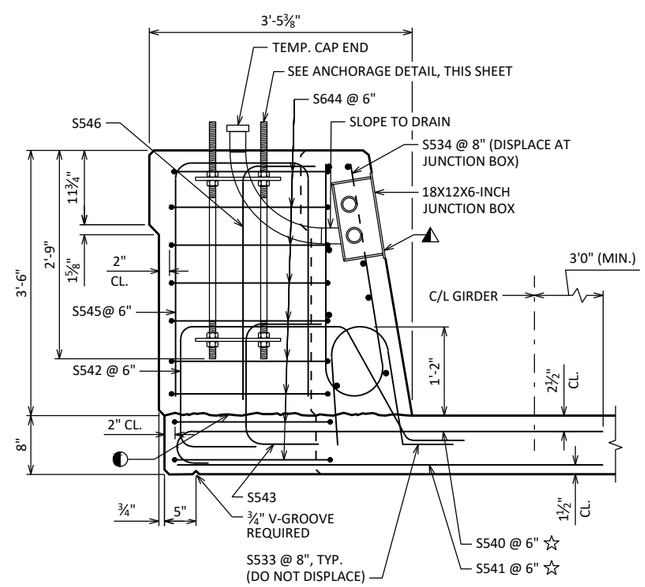
INSIDE ELEVATION AT JUNCTION BOX

(DECK STEEL NOT SHOWN FOR CLARITY)





JUNCTION BOX DETAIL



SECTION A-A

NOTES

BID ITEM SHALL BE "ANCHOR ASSEMBLIES POLES ON STRUCTURES", EACH FOR THE ANCHOR ROD ASSEMBLY.

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

SEE "CONDUIT DETAILS" SHEET FOR ADDITIONAL INFORMATION.

SEE "SUPERSTRUCTURE BILL OF BARS" SHEET FOR BAR BENDS AND BILL OF BARS.

LEGEND

◐ CONSTRUCTION JOINT, STRIKE OFF AS SHOWN.

◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

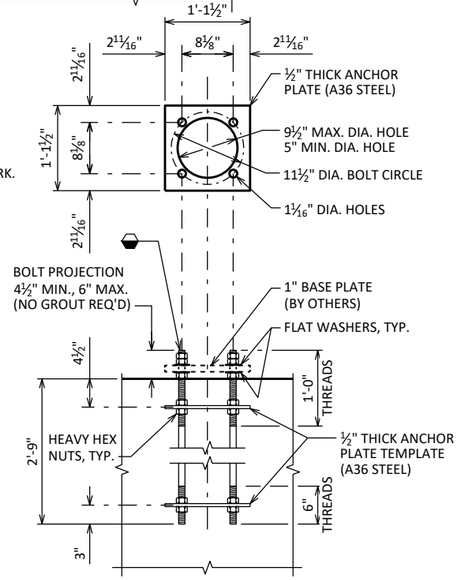
⫩ NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

RMC = RIGID METALLIC CONDUIT.

⬬ 1" DIA. ANCHOR RODS ASTM F1554 GR 55, HEAVY HEX NUTS ASTM A563, AND WASHERS ASTM F436. ANCHOR ASSEMBLIES SHALL BE GALVANIZED PER SECTION 531 OF THE STANDARD SPECIFICATION. PROVIDE (2) WASHERS AND (7) NUTS PER ANCHOR ROD.

☆ THESE BARS ARE IN ADDITION TO STANDARD TRANSVERSE BARS IN DECK.



ANCHOR ROD ASSEMBLY DETAIL

(4) - ANCHOR RODS REQUIRED PER ASSEMBLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

LIGHT STANDARD DETAILS

SHEET 25
1129

SCALE = 2.0

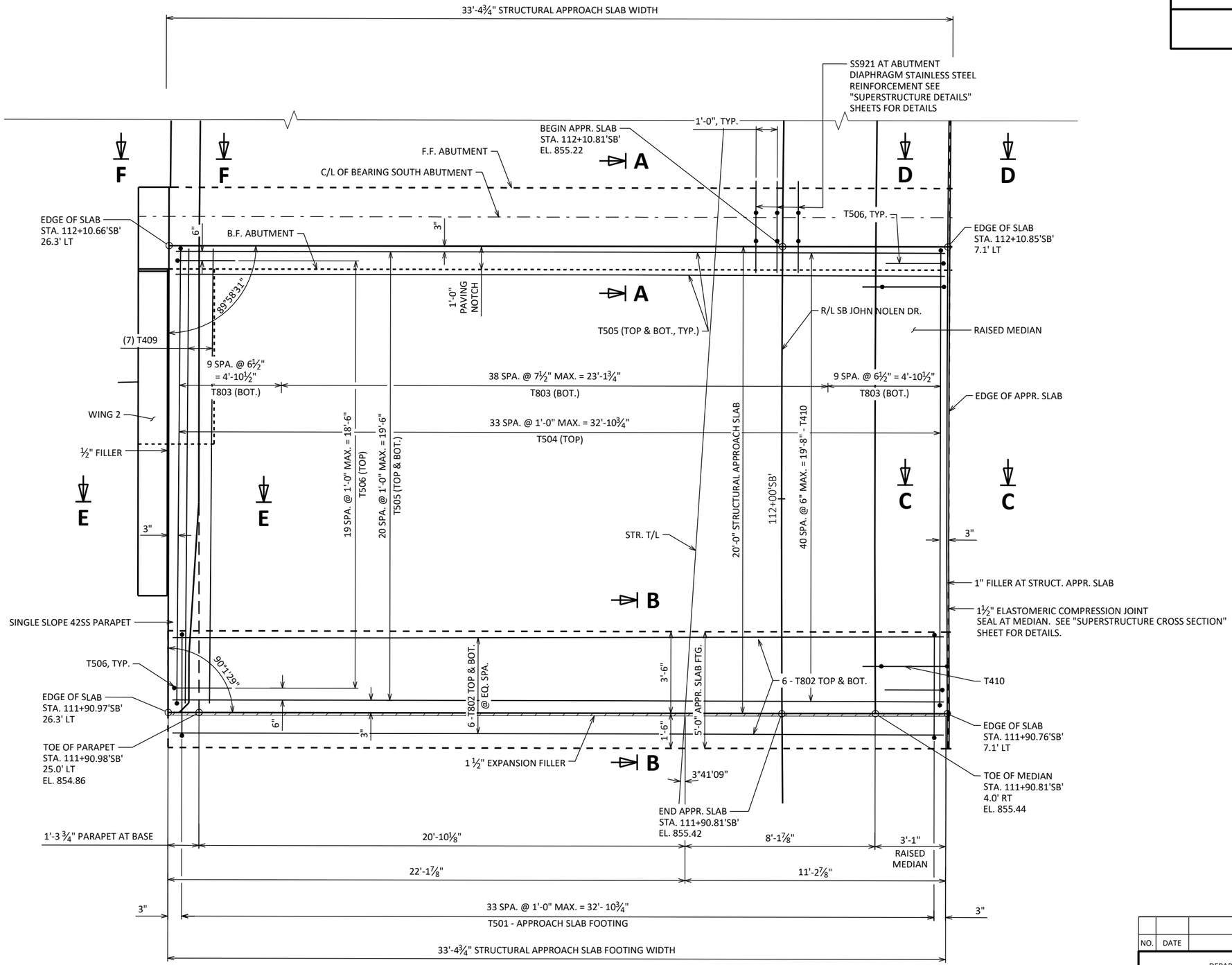
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080524_SS.DWG
LAYOUT NAME - LIGHT STANDARD DETAILS

STATE PROJECT NUMBER

5992-11-24



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

SOUTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY KLK | PLANS CK'D SKH

SOUTH STRUCTURAL APPROACH SLAB

SHEET 26
1130

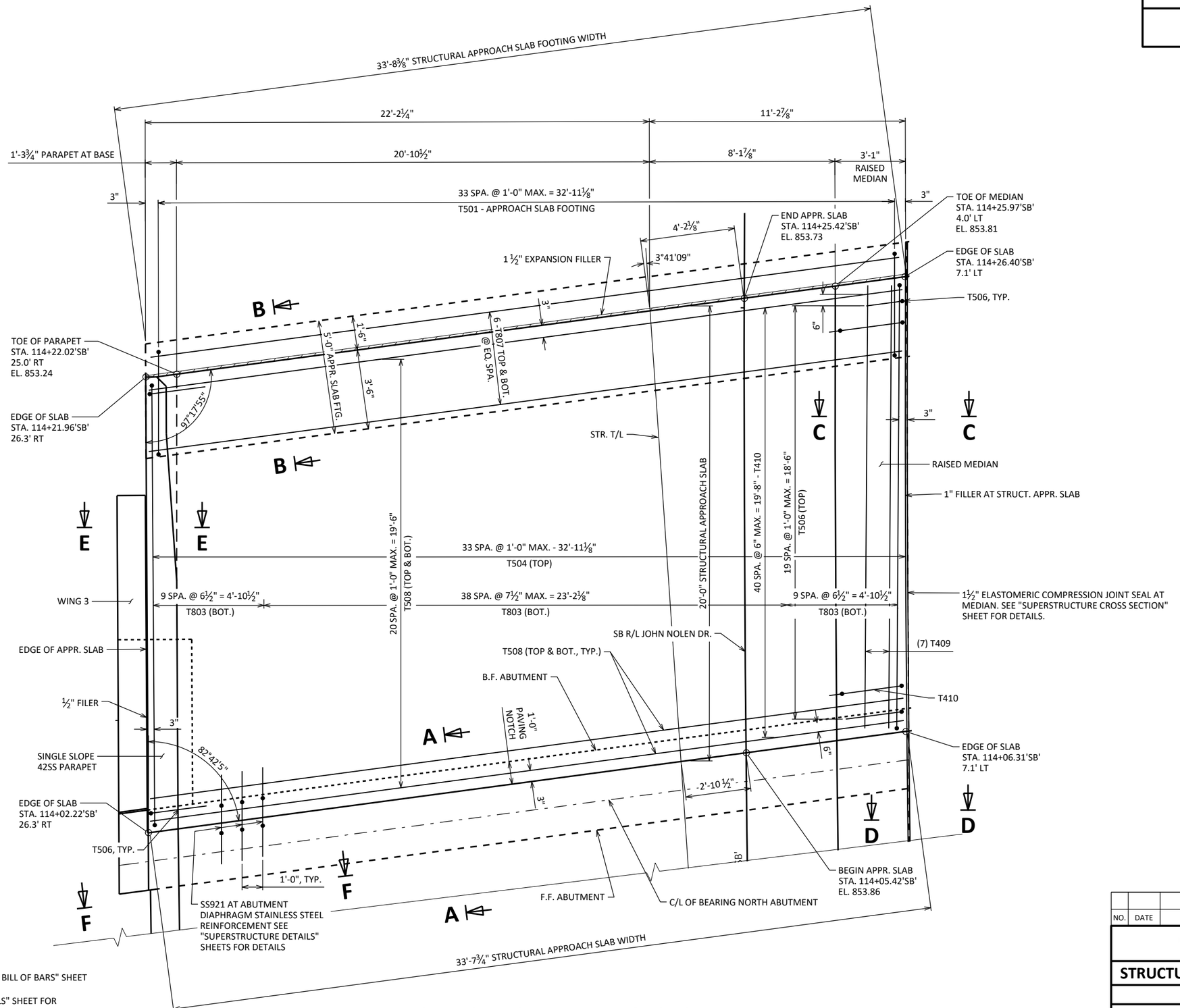
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STATE PROJECT NUMBER

5992-11-24



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

NORTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY KLK | PLANS CK'D SKH

NORTH STRUCTURAL APPROACH SLAB

SHEET 27
1131

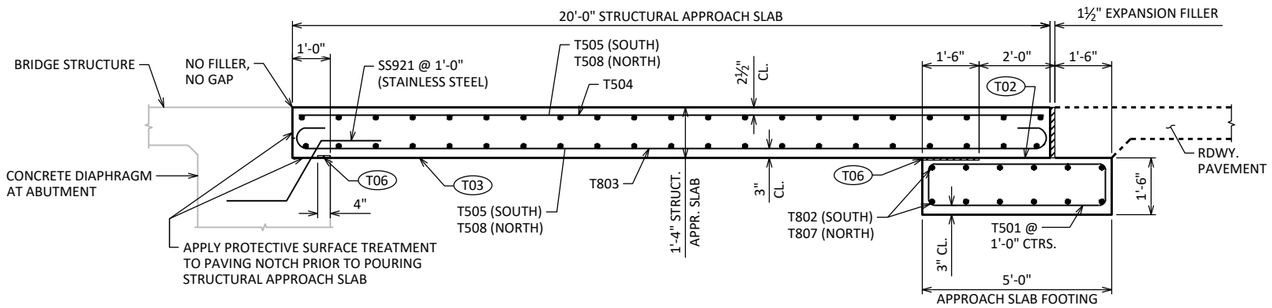
SCALE = 6.0

8

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STATE PROJECT NUMBER

5992-11-27



SECTION A-A **SECTION B-B**

SECTION THRU STRUCTURAL APPROACH SLAB

LEGEND

(T01) SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

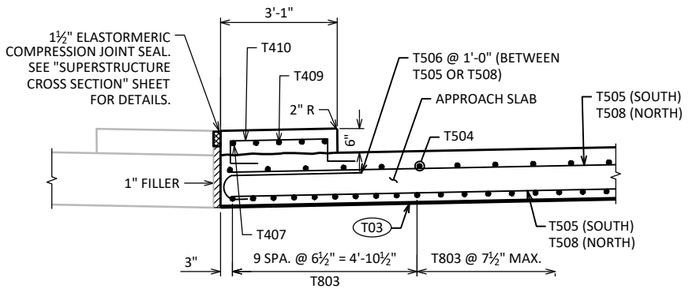
(T06) ¾" PREFORMED JOINT FILLER ACCORDING TO STD. SPEC 502.2.7. 4" WIDE X PAVING NOTCH LENGTH AT PAVING NOTCH, 1'-6" WIDE X FTG. LENGTH AT APPROACH SLAB FOOTING.

BILL OF BARS

TOTAL COATED = 14,790 LBS

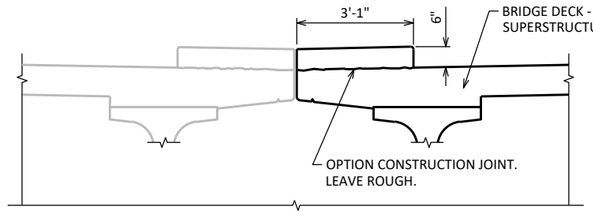
BAR MARK	COAT	SOUTH APPR.	NORTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	34	34	12'-2"	X		APPROACH SLAB - FTG. - STIRRUP
T802	X	12	0	33'-1"			APPROACH SLAB - FTG. - TRANS.
T803	X	57	57	21'-6"	X		APPROACH SLAB - LONG. - BOT.
T504	X	34	34	19'-8"			APPROACH SLAB - LONG. - TOP
T505	X	42	0	33'-1'			APPROACH SLAB - TRANS. - TOP & BOT.
T506	X	40	40	4'-1"	X		APPROACH SLAB - TOP - EDGE OF SLAB
T807	X	0	12	33'-4"			APPROACH SLAB - FTG. - TRANS.
T508	X	0	42	33'-4"			APPROACH SLAB - TRANS. - TOP & BOT.
T409	X	2	2	19'-8"			RAISED MEDIAN - HORIZ.
T410	X	41	41	3'-8"	X		RAISED MEDIAN - VERT.

FOR BOTH STRUCTURAL APPROACH SLABS COMBINED.



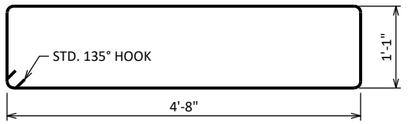
SECTION E-E

SECTION AT EAST RAISED MEDIAN

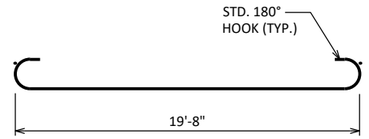


SECTION D-D

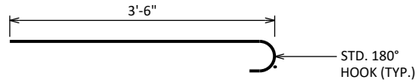
SECTION AT EAST RAISED MEDIAN ON DECK



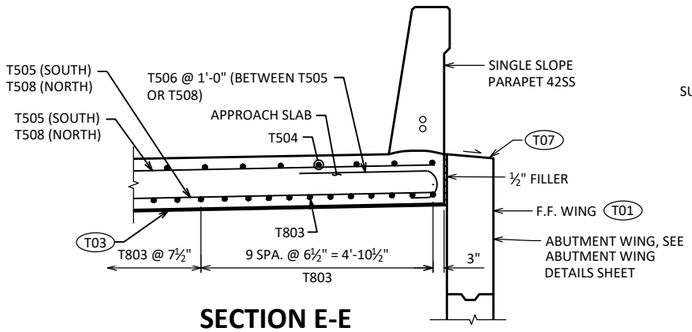
T501



T803

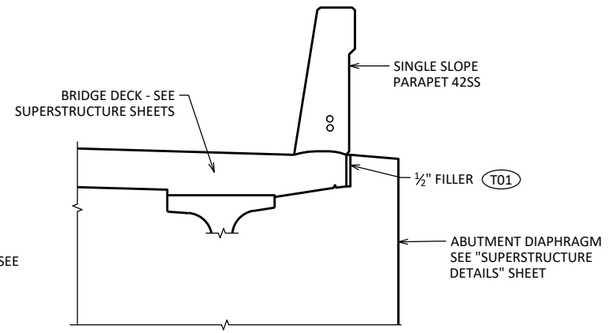


T506



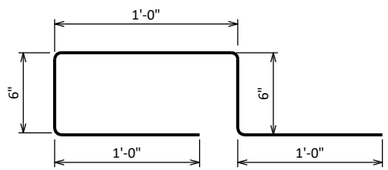
SECTION E-E

SECTION AT WEST EDGE



SECTION F-F

SECTION AT WEST END OF DECK



T410

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS

SHEET 28
1132

SCALE = 1.0

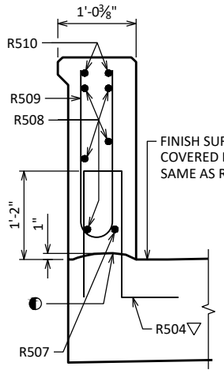
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8

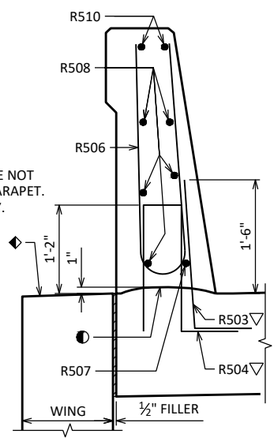
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

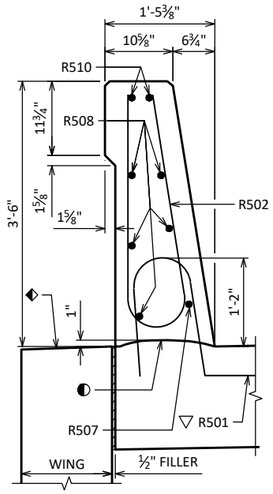
5992-11-27



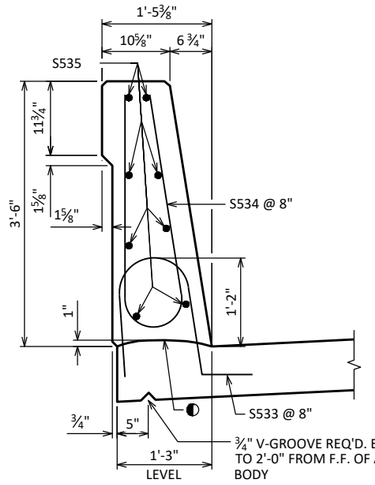
SECTION A-A



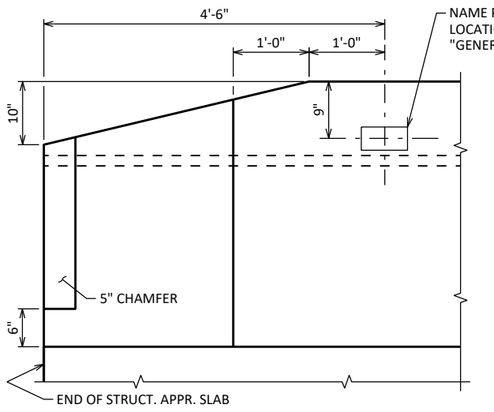
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

BILL OF BARS — COATED = 1,180 LBS.

FOR STRUCTURAL APPOACH SLAB PARAPETS

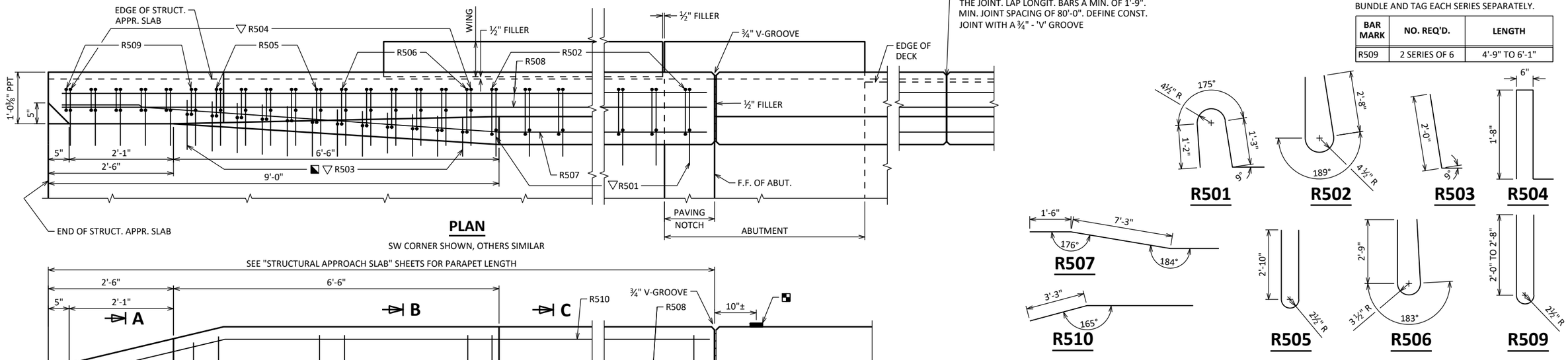
BAR MARK	COAT	S. ABUT.	N. ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	18	4'-5"	X		PARAPET VERT.
R502	X	18	18	6'-8"	X		PARAPET VERT.
R503	X	11	11	2'-9"	X		PARAPET VERT.
R504	X	17	17	4'-4"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	19'-8"	X		PARAPET HORIZ.
R508	X	5	5	19'-8"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	⚠	PARAPET VERT.
R510	X	2	2	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

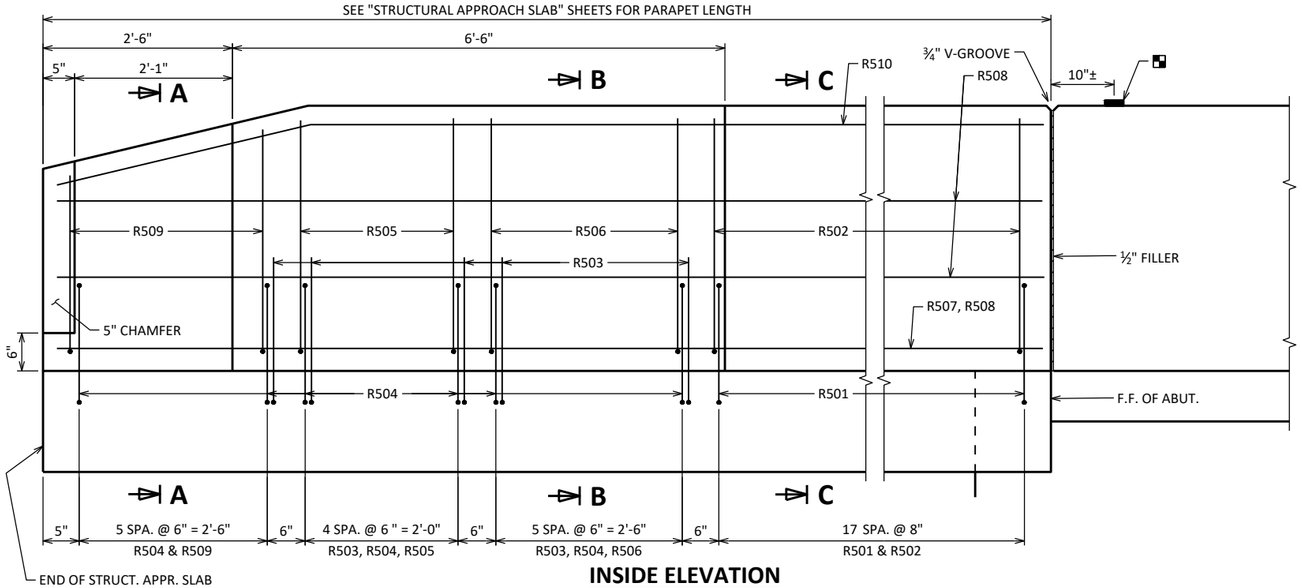
BAR MARK	NO. REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"



OPTIONAL CONSTRUCTION JOINTS IN THE PARAPETS MAY BE USED. RUN BAR REINF. THRU THE JOINT. LAP LONGIT. BARS A MIN. OF 1'-9". MIN. JOINT SPACING OF 80'-0". DEFINE CONST. JOINT WITH A ¾" - 'V' GROOVE

PLAN

SW CORNER SHOWN, OTHERS SIMILAR



INSIDE ELEVATION

SW CORNER SHOWN, NW CORNER SIMILAR
STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

LEGEND

- BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.
- CONST. JOINT - STRIKE OFF AS SHOWN
- USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.
- R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.
- SLOPE FOR DRAINAGE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

SINGLE SLOPE PARAPET 42SS DETAILS

SHEET 29
1133

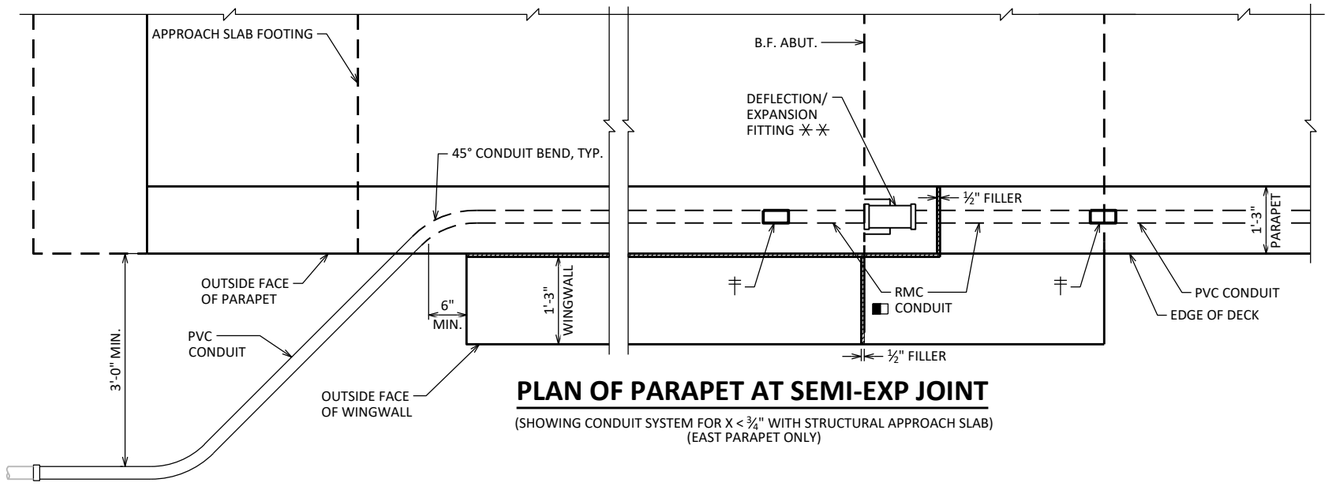
SCALE = 1.0

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8

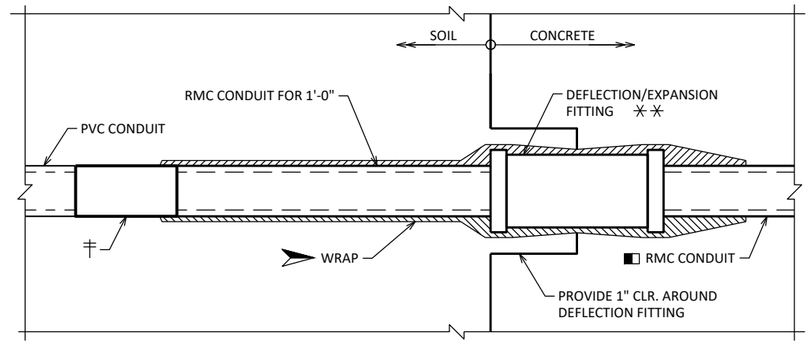
STATE PROJECT NUMBER

5992-11-27



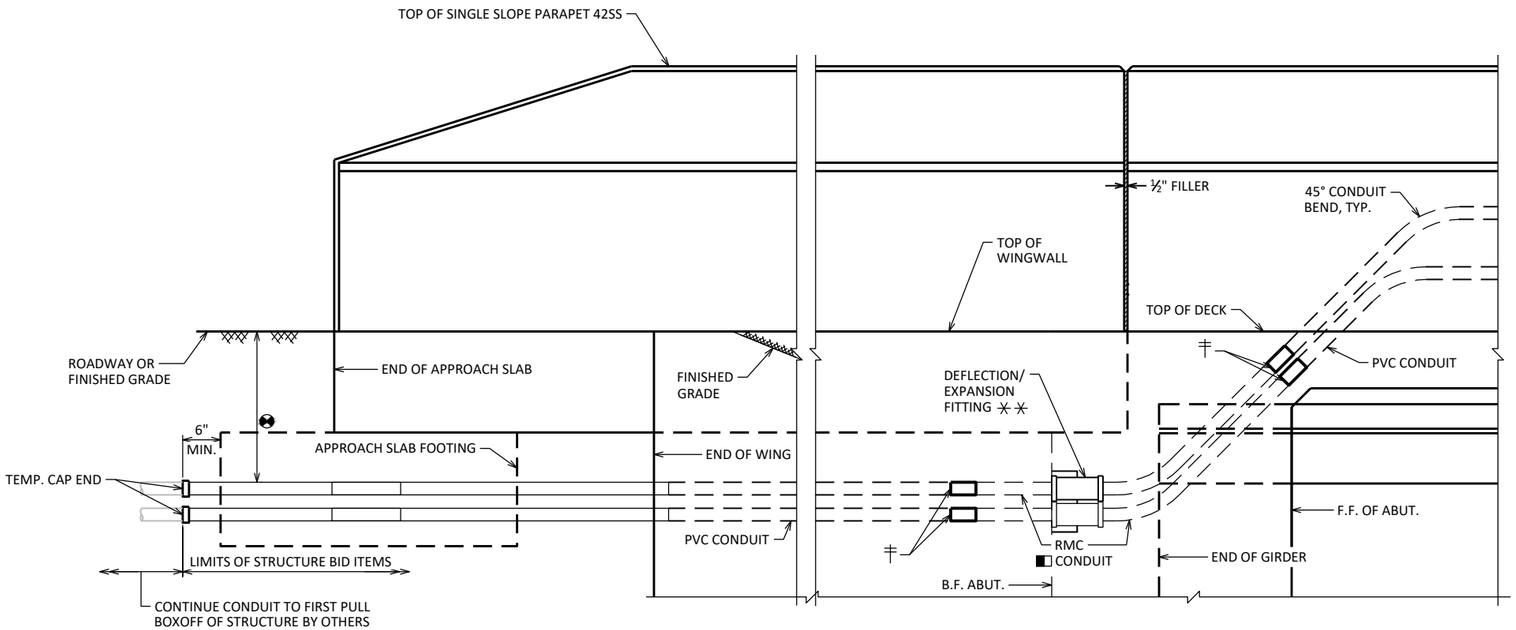
PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(EAST PARAPET ONLY)



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY
(CONCRETE TO SOIL FITTING)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SE END SHOWN, NE END SIMILAR)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON EACH SIDE OF JOINT OPENINGS UNLESS NOTED OTHERWISE.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- DEFLECTION/EXPANSION FITTING REQUIREMENTS
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

CONDUIT DETAILS

SHEET 30
1134

SCALE = 2.0

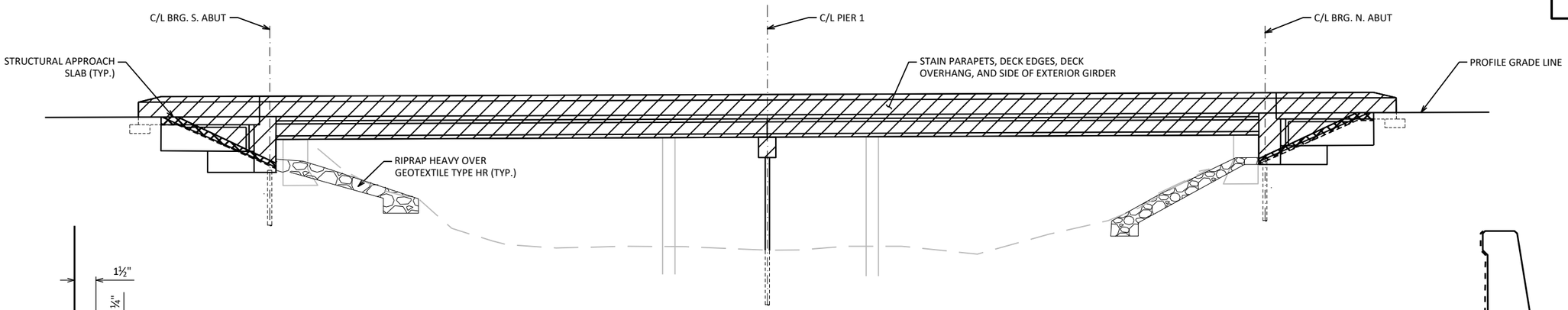
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-927\080529_CON.DWG
LAYOUT NAME - CONDUIT DETAILS

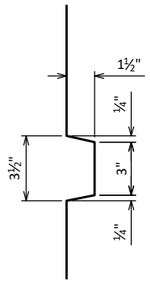
STATE PROJECT NUMBER

5992-11-27



ELEVATION

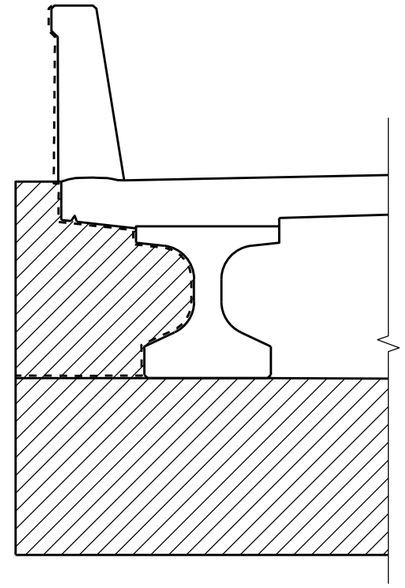
(LOOKING EAST)



DETAIL A

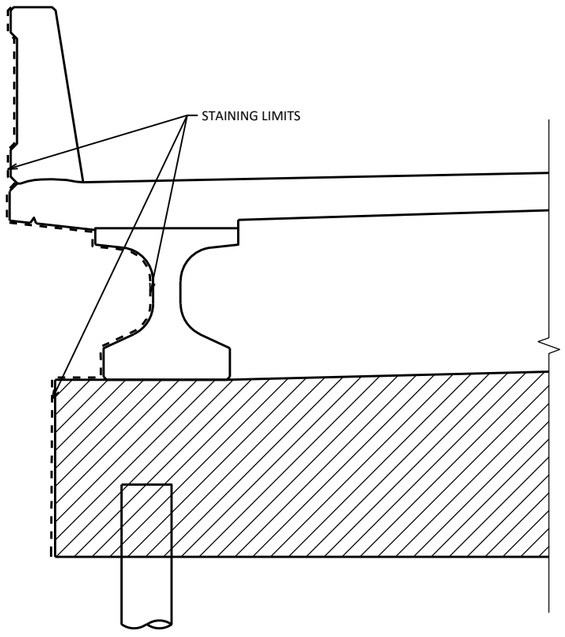
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	PARAPETS	EXTERIOR FACE ON WEST EDGE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE ON WEST EDGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM ENDS OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON WEST EDGE
	WINGS	TOP OF WING AND ALL EXPOSED SIDES TO 1-FT BELOW FINISHED GRADE
	PIERS	EXPOSED VERTICAL FACES OF PIER CAP



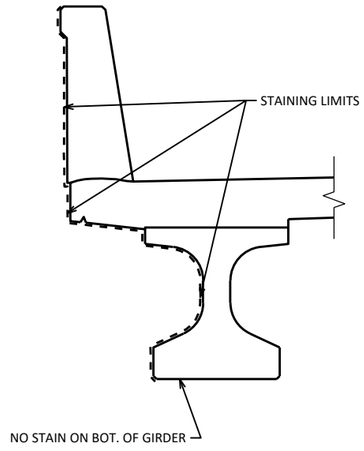
PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, WING, EXTERIOR FACE OF PARAPETS AND EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG



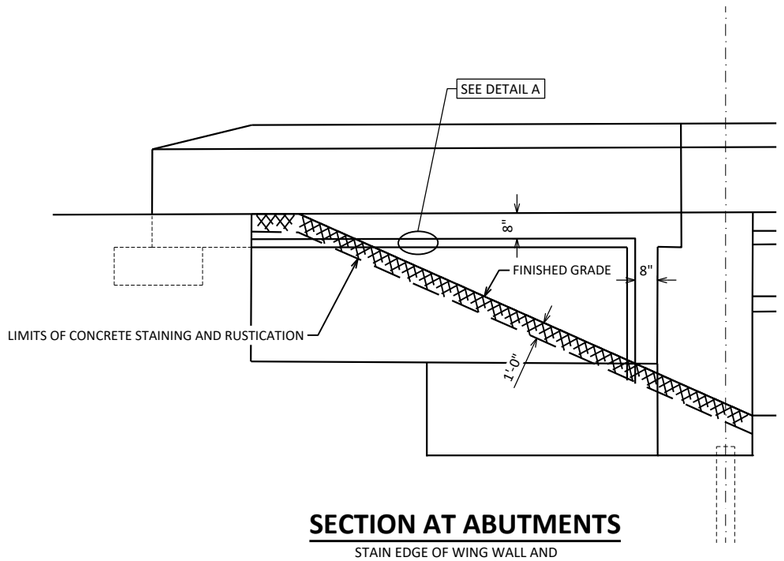
TYPICAL SECTION AT PIERS

STAIN VERTICAL FACES OF PIER CAP, EXTERIOR FACE OF PIER, PARAPETS AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS



TYPICAL SECTION IN SPAN

STAIN BACK OF PARAPET, EDGE OF DECK, DECK OVERHAN
AND SIDE OF EXTERIOR GIRDER
(EAST PARAPET AND GIRDER ONLY)



SECTION AT ABUTMENTS

STAIN EDGE OF WING WALL AND
ABUTMENT 1-FT BELOW GROUND LINE

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

AESTHETIC DETAIL

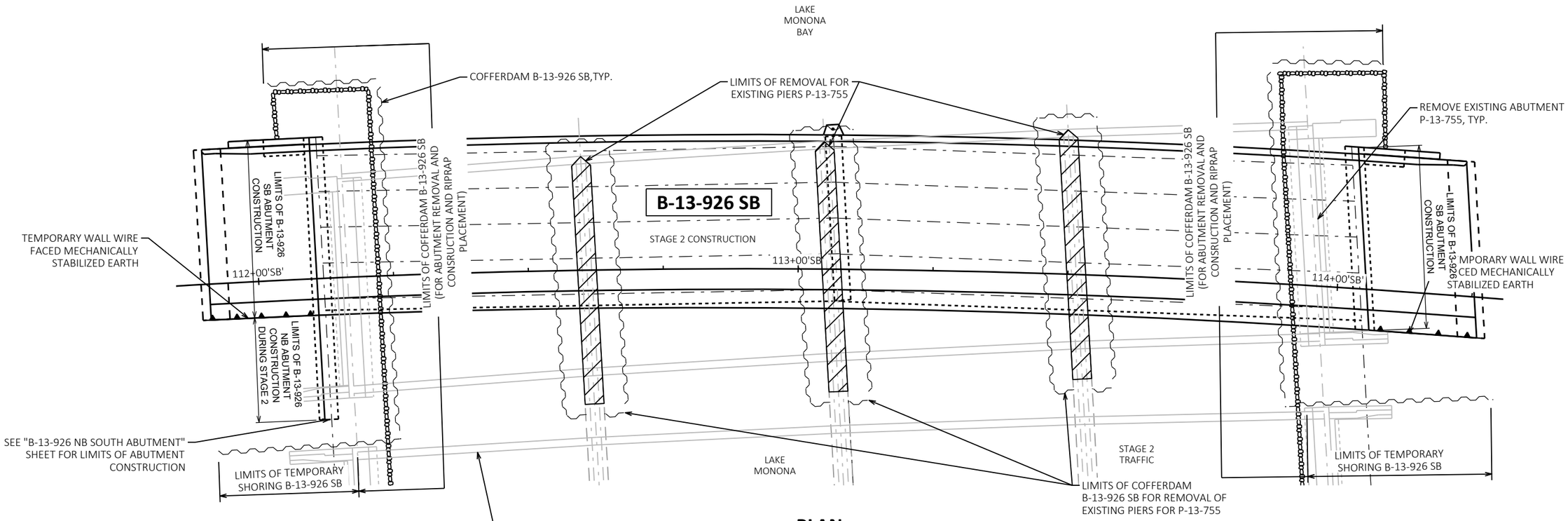
SHEET 31
1135

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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

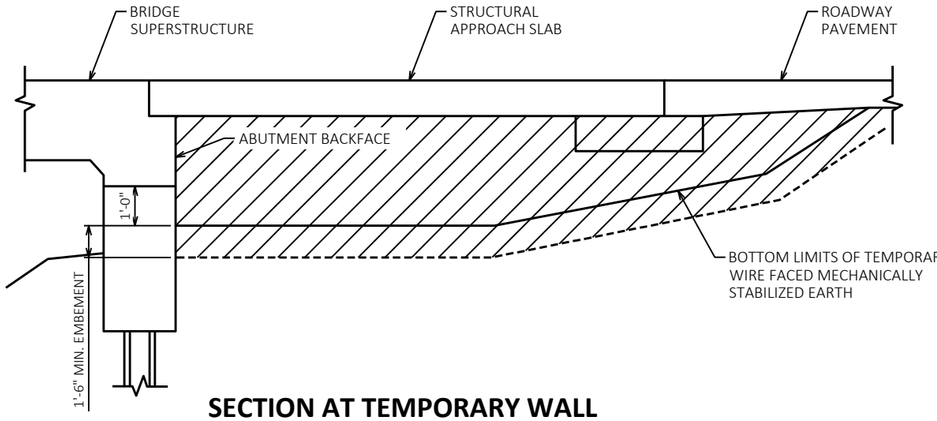
5992-11-27



PLAN

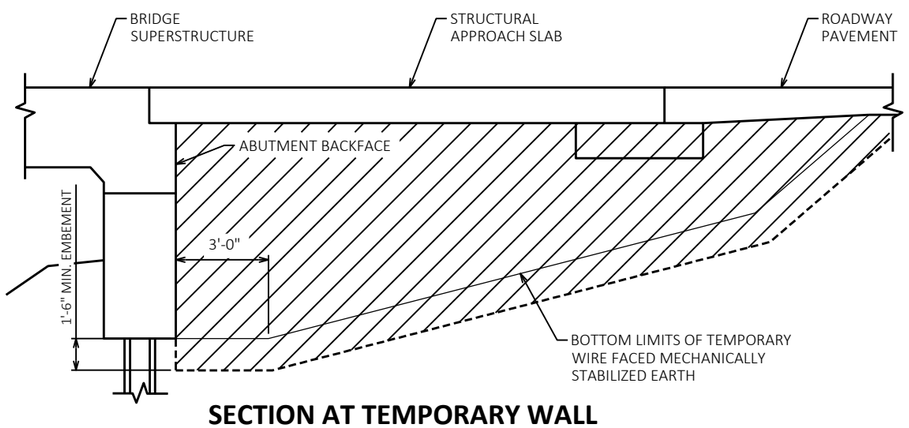
NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. FINAL LOCATION AND TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR.



SECTION AT TEMPORARY WALL

(SOUTH ABUTMENT)



SECTION AT TEMPORARY WALL

(NORTH ABUTMENT)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 SB

DRAWN BY STD | PLANS CK'D SKH

TEMPORARY SHORING & COFFERDAM DETAILS

SHEET 32

1136

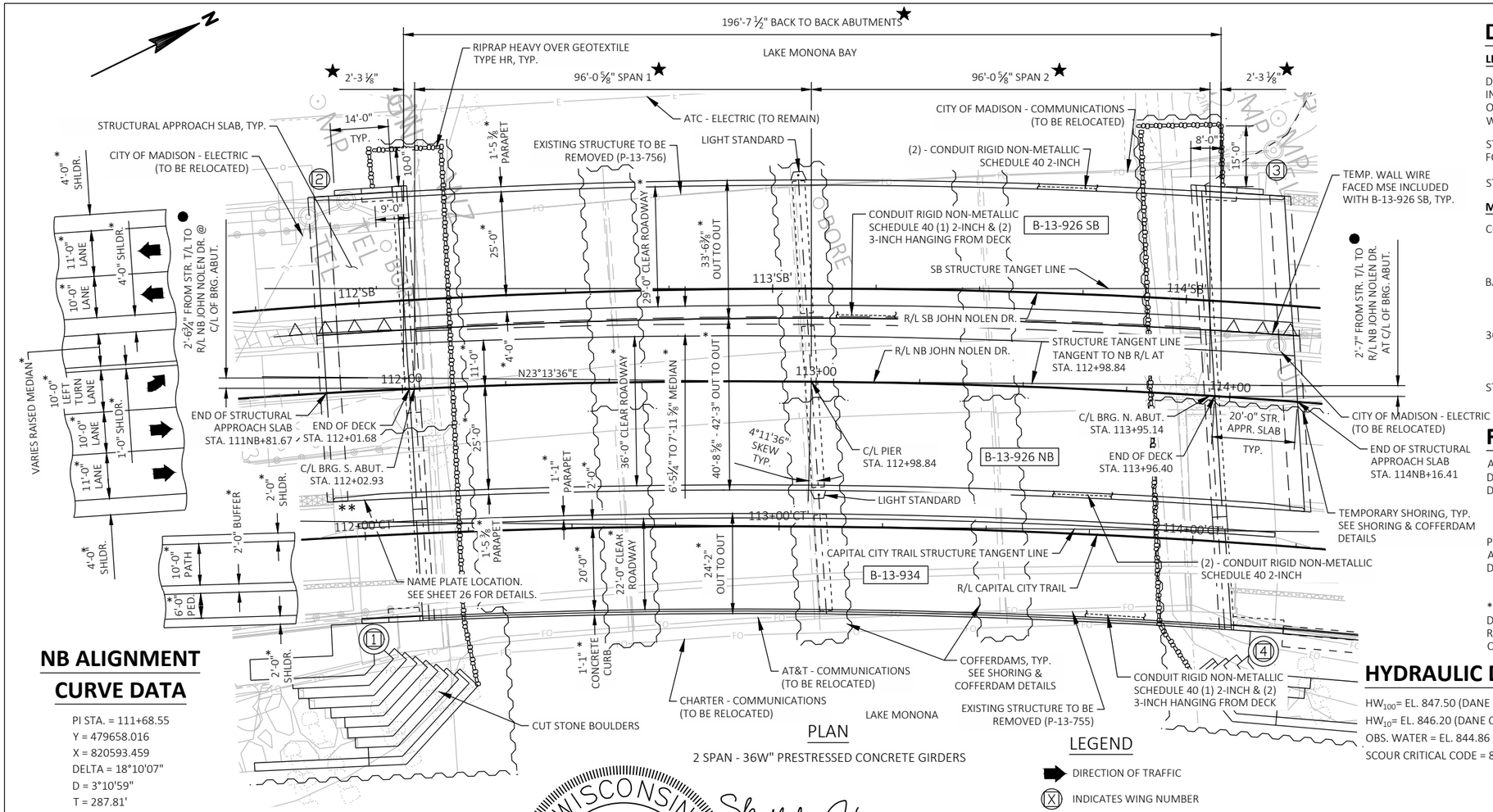
SCALE =

8

8

STATE PROJECT NUMBER

5992-11-26



PLAN

2 SPAN - 36W" PRESTRESSED CONCRETE GIRDERS

NB ALIGNMENT CURVE DATA

PI STA. = 111+68.55
Y = 479658.016
X = 820593.459
DELTA = 18°10'07"
D = 3°10'59"
T = 287.81'
L = 570.78'
R = 1800.00'
PC STA. = 108+80.75
Y = 479374.511
X = 820543.887
PT STA. = 114+51.53
Y = 479911.930
X = 820728.960
BK = N09°55'05.1"E
AH = N28°05'11.9"E

TANGENT LINE DATA

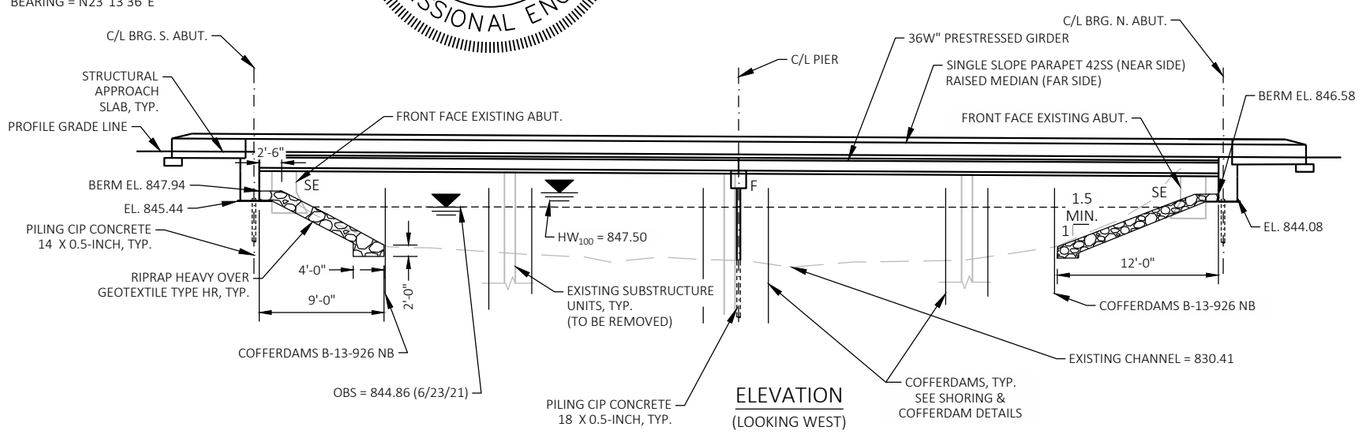
PI STA. = 112+98.84
Y = 479774.341
X = 820662.871
BEARING = N23°13'36"E

LEGEND

- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER
- * DIMENSION MEASURED RADIALLY
- ★ DIMENSION MEASURED ALONG STRUCTURE TANGENT LINE TO NB JOHN NOLEN DR. R/L
- ● DIMENSION MEASURED ALONG C/L OF ABUTMENT
- ** CRASH CUSHION REQUIRED. SEE ROADWAY PLANS FOR DETAILS.

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

May 23, 2025



ELEVATION
(LOOKING WEST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.13
OPERATING RATING: RF = 1.62
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS RATED FOR A FUTURE POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI
STAINLESS, GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'_c = 8,000 PSI
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 230 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
100' LONG AT NORTH ABUT.
105' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 390 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
OBS. WATER = EL. 844.86 (KL SURVEY ON 6/23/21)
SCOUR CRITICAL CODE = 8

TRAFFIC DATA

JOHN NOLEN DRIVE:

A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
RDS = 40 M.P.H.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. TRAFFIC STAGING DETAIL
4. QUANTITIES
5. GENERAL NOTES, PROFILE & DETAILS
6. SUBSURFACE EXPLORATION
7. SOUTH ABUTMENT
8. SOUTH ABUTMENT DETAILS
9. NORTH ABUTMENT
10. NORTH ABUTMENT DETAILS
11. SUBSTRUCTURE DETAILS
12. PIER
13. PIER DETAILS
14. 36W" PRESTRESSED GIRDER
15. 36W" PRESTRESSED GIRDER DETAILS
16. SUPERSTRUCTURE FRAMING PLAN
17. STEEL DIAPHRAGM
18. SUPERSTRUCTURE PLAN
19. SUPERSTRUCTURE CROSS SECTION
20. SUPERSTRUCTURE LAYOUT
21. SUPERSTRUCTURE DETAILS
22. SUPERSTRUCTURE BILL OF BARS
23. LIGHT STANDARD DETAILS
24. SOUTH STRUCTURAL APPROACH SLAB
25. NORTH STRUCTURAL APPROACH SLAB
26. STRUCTURAL APPR. SLAB DETAILS
27. SINGLE SLOPE PARAPET 42SS DETAILS
28. CONDUIT DETAILS
29. AESTHETIC DETAILS
30. TEMPORARY SHORING & COFFERDAM DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ 05/28/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-926 NB

NB JOHN NOLEN DRIVE OVER LAKE MONONA (NORTH)

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JBN	SKH	STD	SKH

GENERAL PLAN & ELEVATION

SHEET 1 OF 30
1137

SCALE =

I.D.

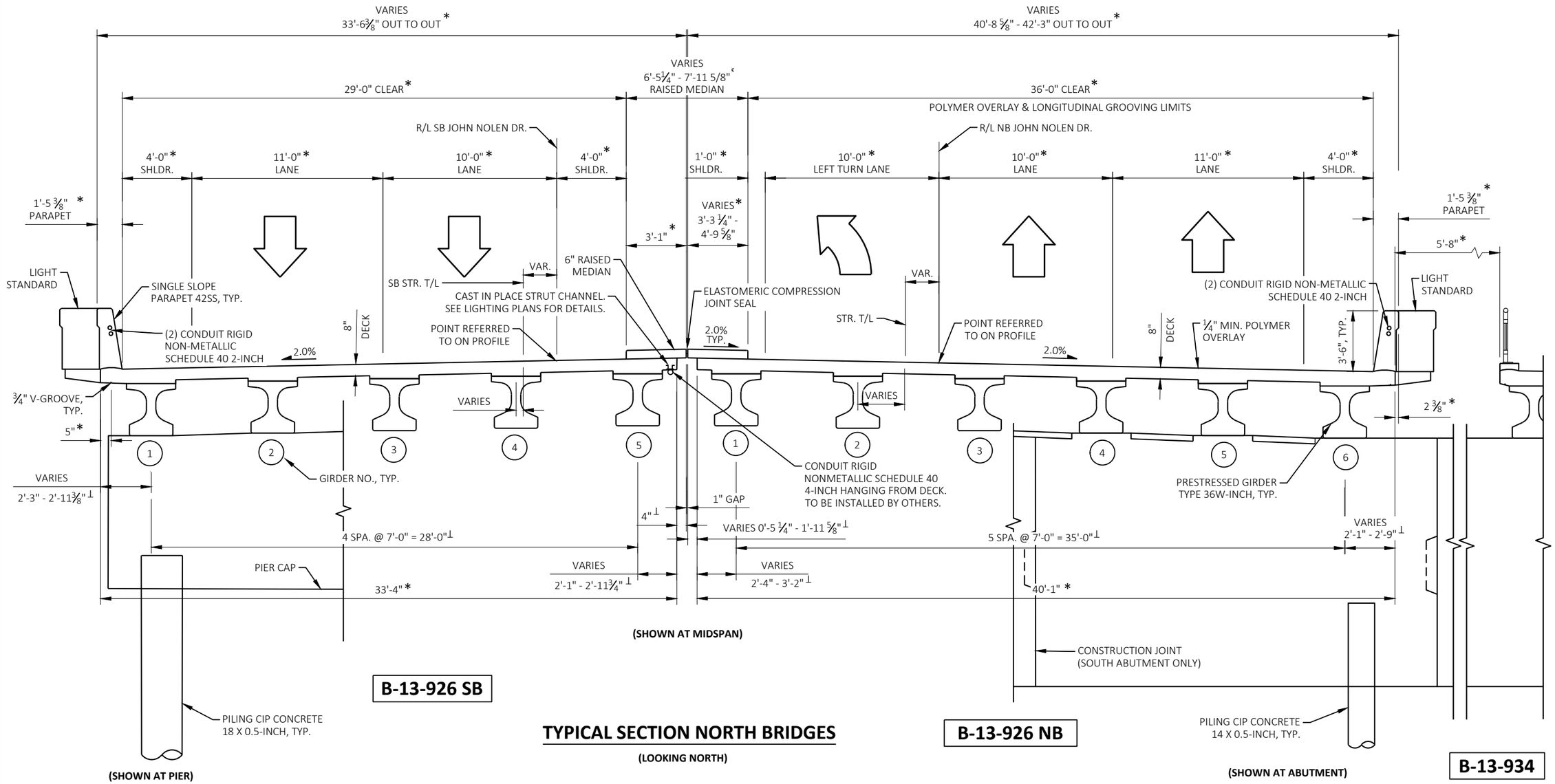
DATE:

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STATE PROJECT NUMBER

5992-11-26



(SHOWN AT PIER)

(SHOWN AT MIDSPAN)

(SHOWN AT ABUTMENT)

B-13-926 SB

B-13-926 NB

B-13-934

TYPICAL SECTION NORTH BRIDGES

(LOOKING NORTH)

LEGEND

* MEASURED RADIALLY TO ALIGNMENT

⊥ MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D SKH

TYPICAL SECTION

SHEET 2

1138

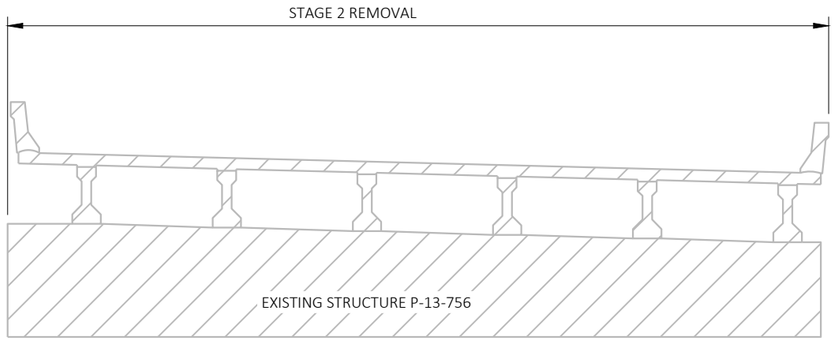
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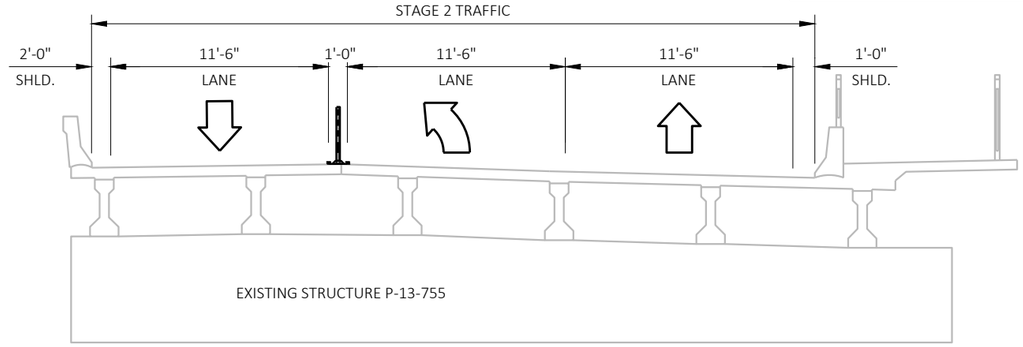
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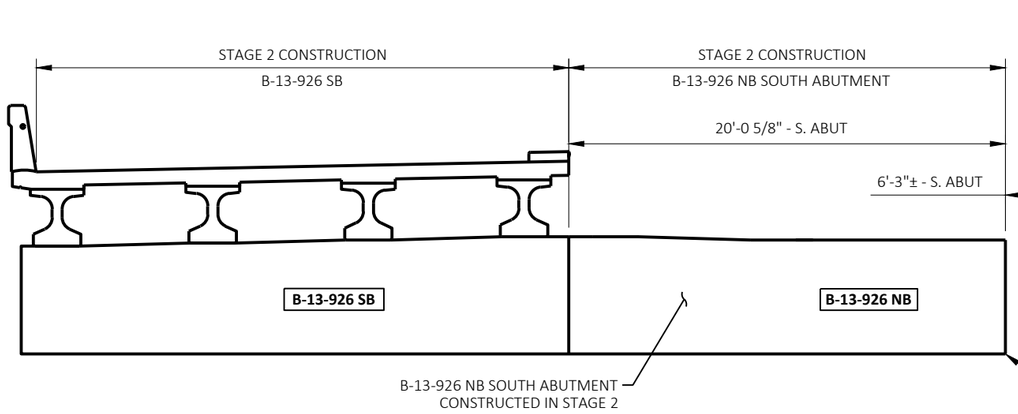
STATE PROJECT NUMBER

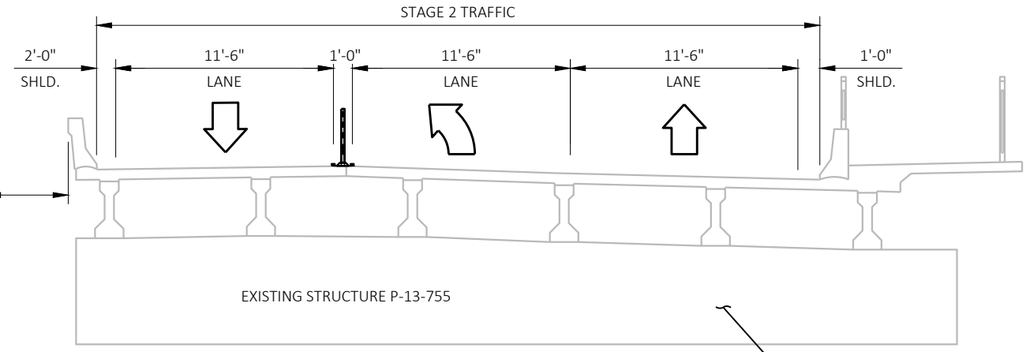
5992-11-26



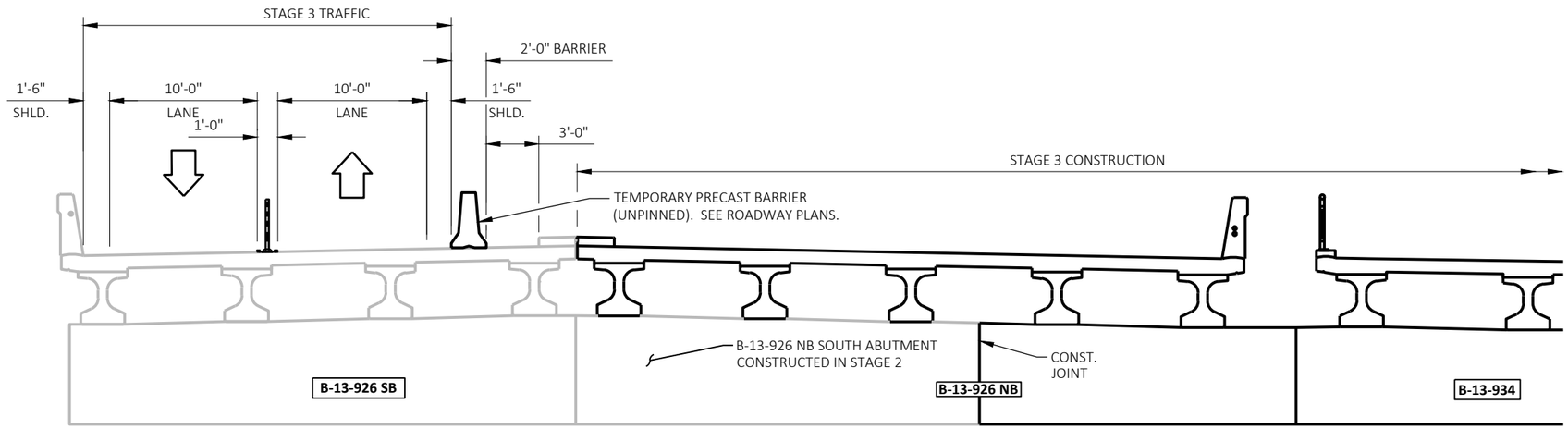


STAGE 2 REMOVAL





STAGE 2 CONSTRUCTION



STAGE 3

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D SKH

TRAFFIC STAGING DETAIL

SHEET 3
1139

SCALE =

STATE PROJECT NUMBER

5992-11-26

TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	STRUCT. APPR. SLAB	TOTAL
203.0260.03	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-755	EACH	---	---	---	---	---	1
206.1001.03	EXCAVATION FOR STRUCTURES BRIDGES B-13-926 NB	EACH	---	---	---	---	---	1
206.5001.03	COFFERDAMS B-13-926 NB	EACH	---	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	140	---	150	---	---	290
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	132	---	140	---	---	272
501.1000.S	ICE HOT WEATHER CONCRETING	LB	233	118	244	2,369	829	3,793
502.0100	CONCRETE MASONRY BRIDGES	CY	31	16	33	---	23	102
502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC (2 1/4 - INCH)	LF	---	---	---	194.7	---	195
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	919.8	180.1	1,100
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	96	20	116
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	1,157.3	---	1,157
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,540	7,610	2,590	---	---	12,740
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	---	---	---	73,920	17,830	91,750
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	---	---	---	1430	---	1,430
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	6	12	6	---	---	24
506.4000.03	STEEL DIAPHRAGMS B-13-926 NB	EACH	---	---	---	20	---	20
509.5100.S	POLYMER OVERLAY	SY	---	---	---	778.9	---	779
511.1200.03	TEMPORARY SHORING B-13-926 NB	SF	---	---	123	---	---	123
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	11	---	10	---	---	21
517.1010.S.03	CONCRETE STAINING B-13-926 NB	SF	179	324	187	1,860	140	2,690
531.8990	ANCHOR ASSEMBLIES POLES ON STRUCTURES	EACH	---	---	---	1	---	1
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	735	---	700	---	---	1,435
606.0300	RIPRAP HEAVY	CY	39	---	56	---	---	95
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	44	---	46	---	---	90
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	40	---	41	---	---	81
645.0120	GEOTEXTILE TYPE HR	SY	77	---	103	---	---	180
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	---	---	---	24	---	24
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	---	---	---	454	---	454
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	---	---	---	1	---	1
SPV.0035	HPC MASONRY STRUCTURES	CY	---	---	---	315.9	87.4	403
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	840	---	---	---	840
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	---	---	---	7,011	1,442	8,453
	NON-BID ITEMS							
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"			

ALL BID ITEMS SHOWN ARE CATEGORY 0010

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D SKH

QUANTITIES

SHEET 4

1140

SCALE =

STATE PROJECT NUMBER

5992-11-26

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-926 NB" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON APPROACH SLABS.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIANS
- PARAPETS ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

EXISTING BRIDGE STRUCTURE, P-13-755, A 36" PRESTRESSED GIRDER STRUCTURE. THE STRUCTURE WILL BE REMOVED AND PAID FOR UNDER "REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-755". THE WIDTH IS 50'-4" OUT TO OUT WITH A BACK OF ABUTMENT TO BACK OF ABUTMENT LENGTH OF 184'-5".

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

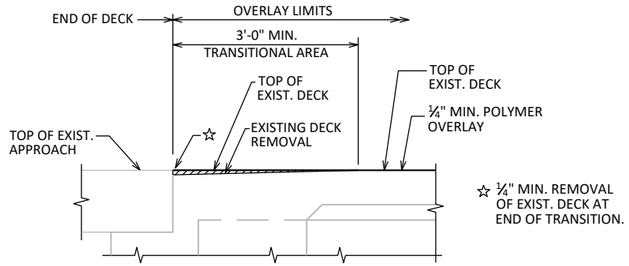
THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B- 13-926 NB"

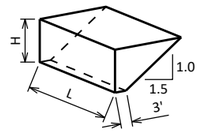
SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREA ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

POLYMER OVERLAY IS TO BE PLACED ONLY ON THE DECK. POLYMER OVERLAY IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED DURING STAGE 3 CONSTRUCTION.

LONGITUDINAL GROOVING IS TO BE PLACED ON THE STRUCTURAL APPROACH SLABS AND THE BRIDGE DECK.

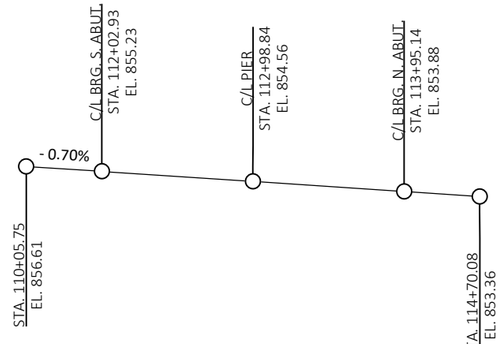


SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION OR FIXED JOINT

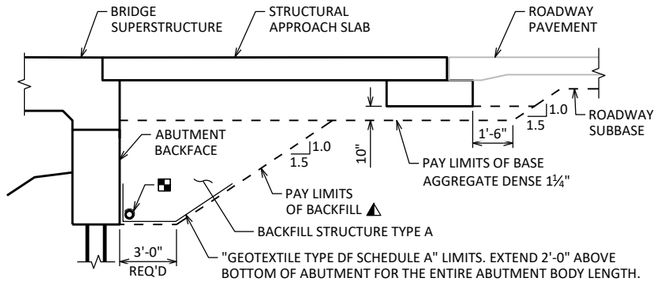


ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



PROFILE GRADE LINE - JND NB



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

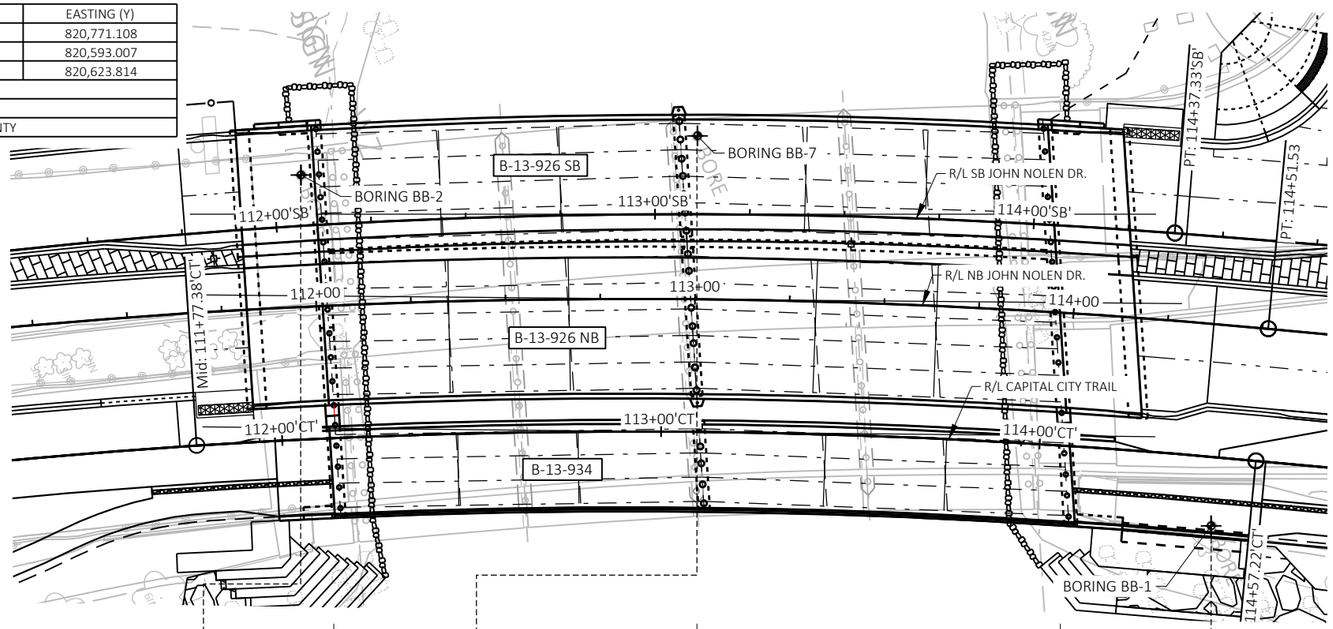
DRAWN BY STD | PLANS CK'D SKH

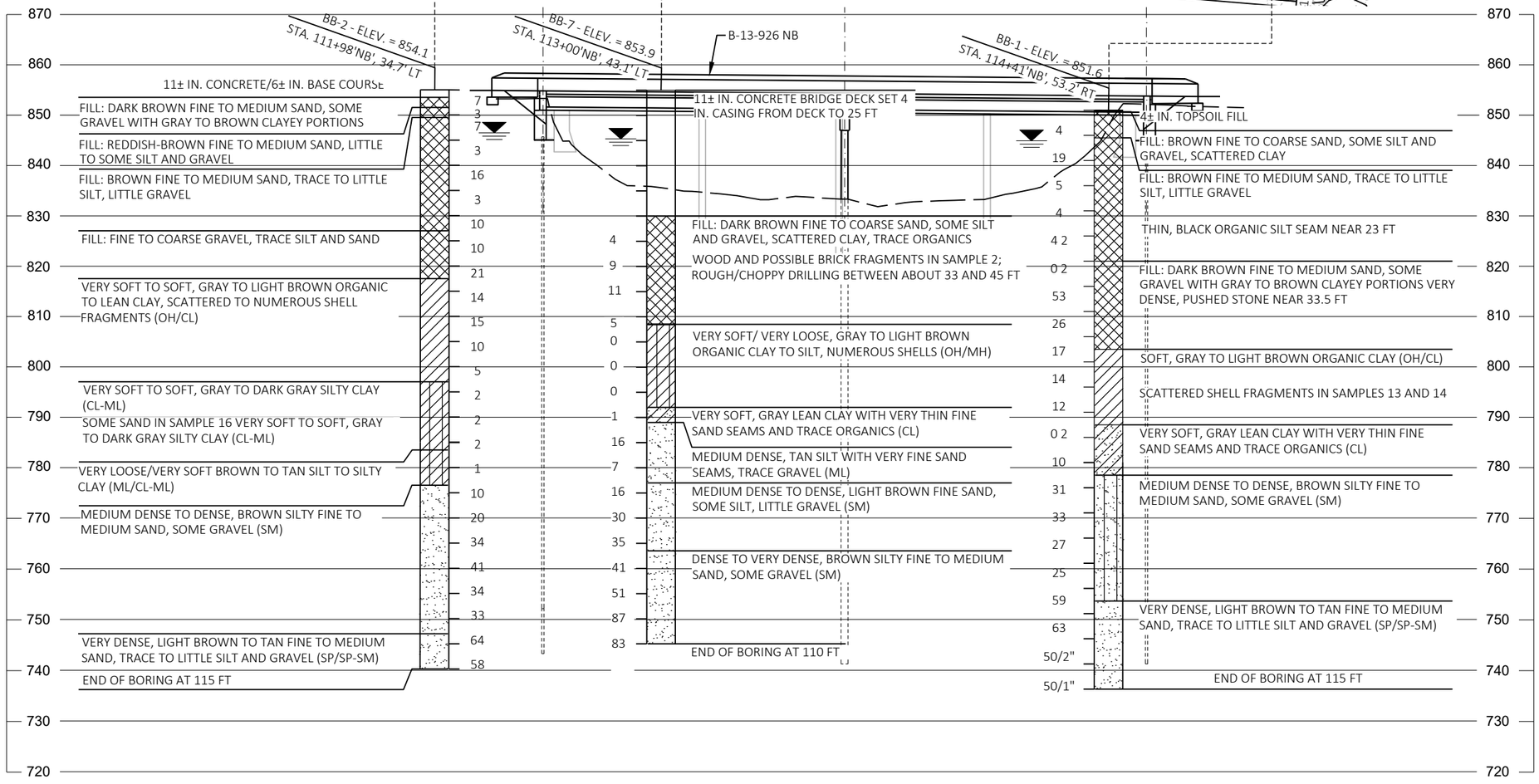
GENERAL NOTES, PROFILES & DETAILS

SHEET 5
1141

SCALE =

BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-1	6/6/2023	479,877.899	820,771.108
BORING BB-2	5/4/2023	479,692.095	820,593.007
BORING BB-7	4/4/2023	479,972.570	820,623.814
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





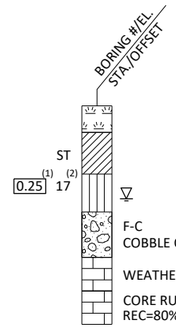
STATE PROJECT NUMBER

5992-11-26

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D SKH

SUBSURFACE EXPLORATION

SHEET 6
1142

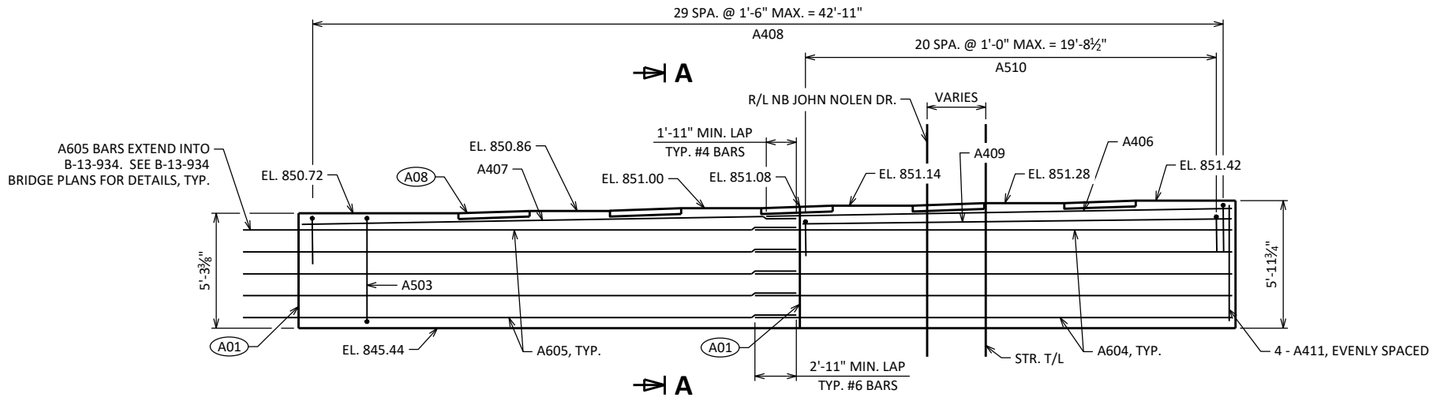
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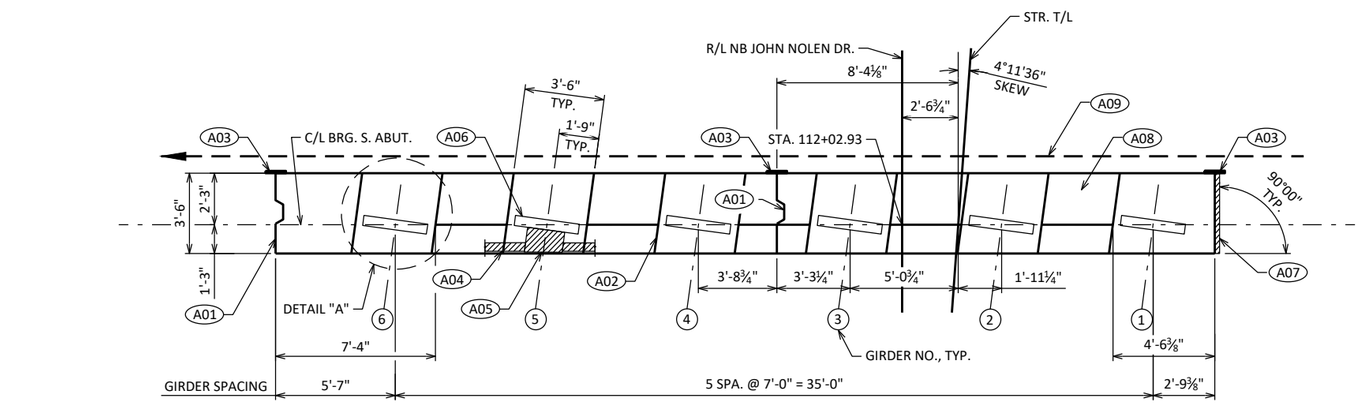
STATE PROJECT NUMBER

5992-11-26

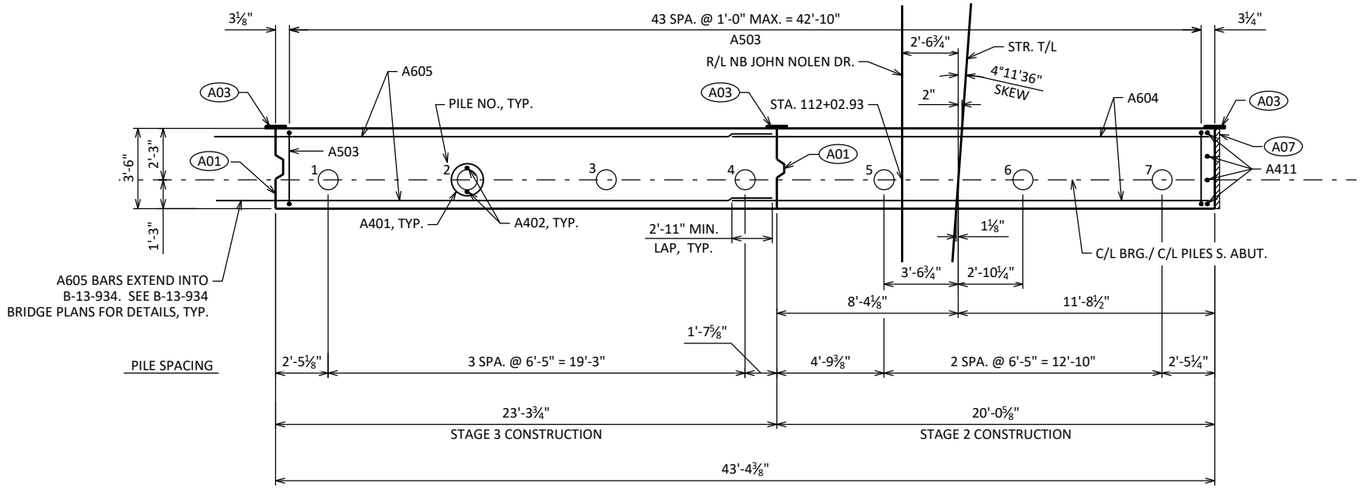


ELEVATION

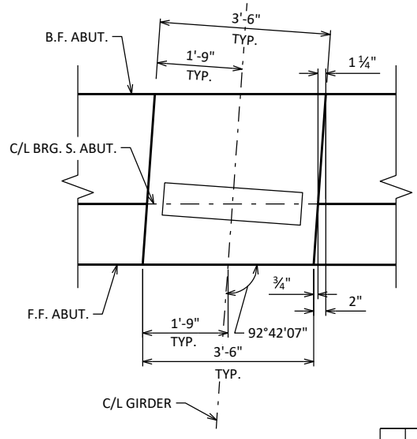
(LOOKING SOUTH)



PLAN



PILE PLAN



DETAIL "A"

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 x 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 230 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 105 FT.
- (A01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT. FOR ALTERNATE CONST. JT. DETAILS SEE "SUBSTRUCTURE DETAILS" SHEET.
- (A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (A07) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN ABUTMENT LENGTH.
- (A08) SLOPE BETWEEN BEAM SEATS, TYP.
- (A09) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT

SHEET 7
1143

SCALE = 10.0

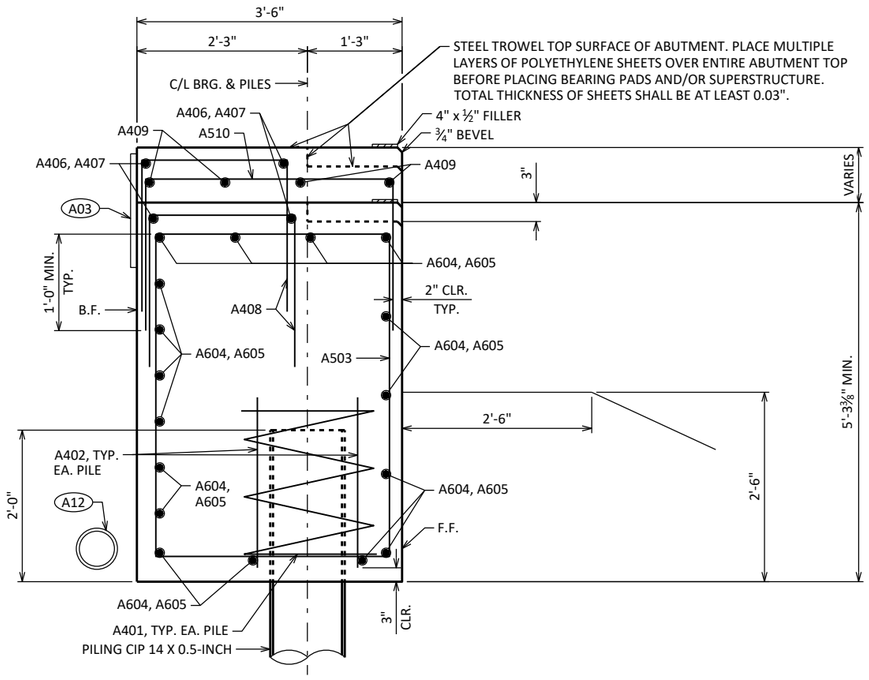
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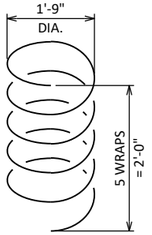
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

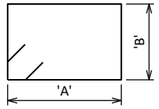
5992-11-26



SECTION A-A

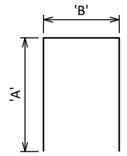


A401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-7"

A503



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A408	2'-0"	1'-11"
A510	1'-10"	3'-2"

A408, A510

BILL OF BARS

TOTAL UNCOATED = 2,540 LBS.

BAR MARK	NO. REQ'D STAGE 2	NO. REQ'D STAGE 3	LENGTH	COAT	BENT	LOCATION
A401	3	4	28'-0"		X	ABUT. BODY - PILES
A402	6	8	2'-3"			ABUT. BODY - PILES
A503	20	24	16'-2"		X	ABUT. BODY - STIRRUP
A604	17	0	23'-0"			ABUT. BODY - LONG.
A605	0	17	26'-3"			ABUT. BODY - LONG.
A406	2	0	22'-0"			ABUT. BODY - LONG. B.F.
A407	0	2	22'-11"			ABUT. BODY - LONG. B.F.
A408	14	16	5'-9"		X	ABUT. BODY - VERT. STIRRUP
A409	4	0	19'-9"			ABUT. BODY - LONG.
A510	21	0	6'-7"		X	ABUT. BODY - VERT. STIRRUP
A411	4	0	5'-7"			ABUT. BODY - VERT. W. END

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER OF EXPANDED POLYSTYRENE WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET PILE SPLICE DETAIL AND ALTERNATE CONSTRUCTION JOINT DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT DETAILS

SHEET 8
1144

SCALE = 2.0

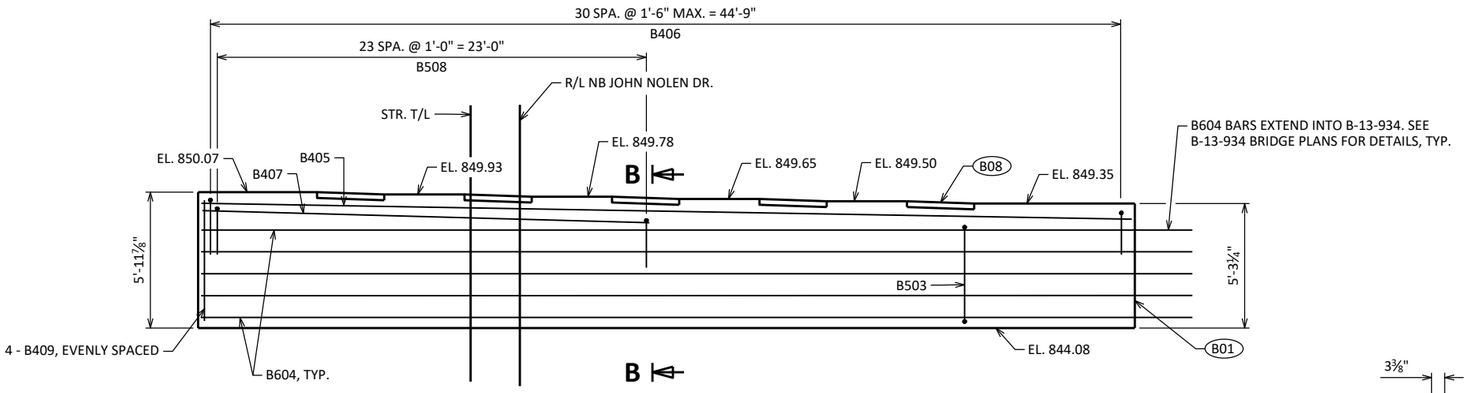
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LAYOUT NAME - SHT2C

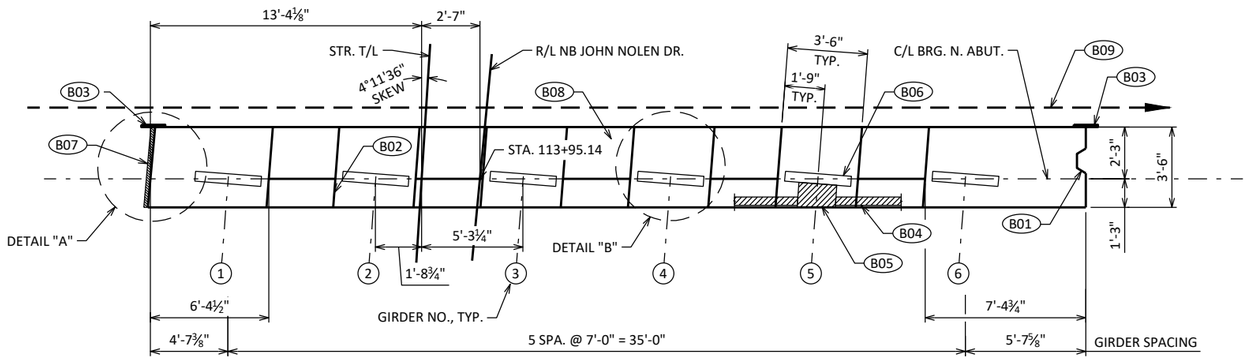
STATE PROJECT NUMBER

5992-11-26

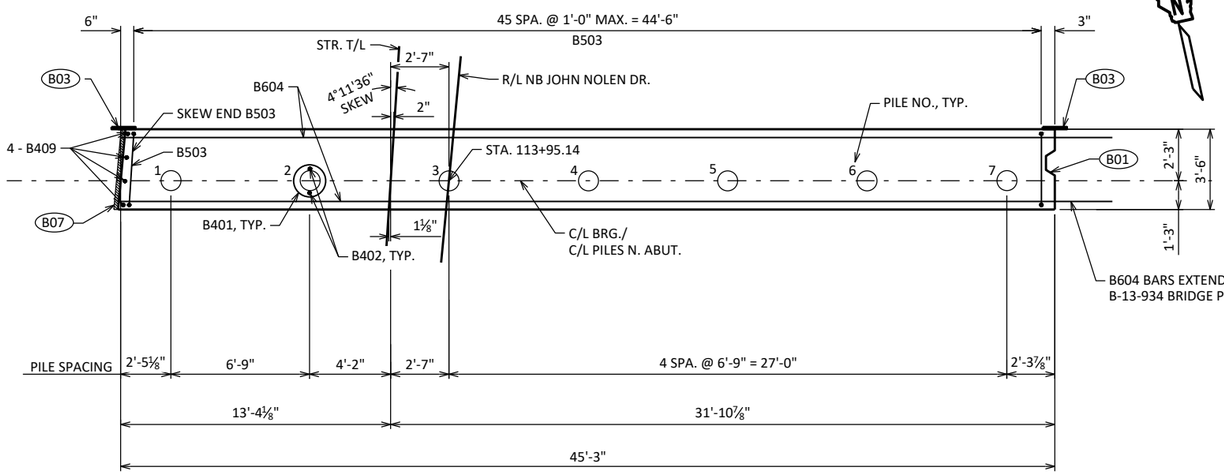


ELEVATION

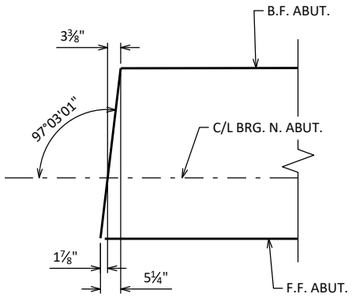
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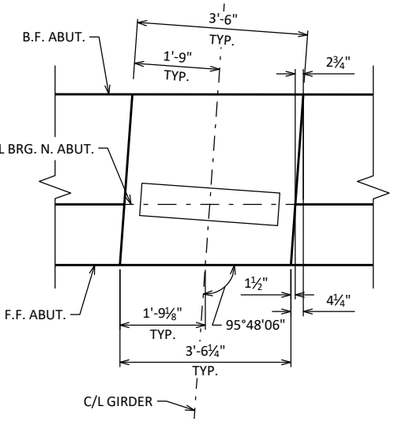
PLAN



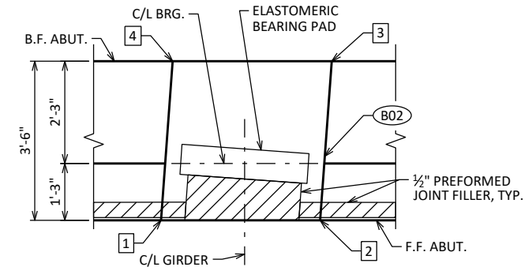
PILE PLAN



DETAIL "A"



DETAIL "B"



SLOPING BEAM SEAT DETAILS

ELEVATION CORRECTION AT POINTS			
1	2	3	4
+0.02	+0.01	-0.03	-0.03

ABUTMENT BEAM SEAT TABLE (B10)

(TYPICAL ALL GIRDERS)

NOTES

FOR SECTION B-B SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 x 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 230 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.
- (B01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B07) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN ABUTMENT LENGTH.
- (B08) SLOPE BETWEEN BEAM SEATS, TYP.
- (B09) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (B10) VALUES ARE IN FEET. ADD THESE VALUES TO THE BEAM SEAT ELEVATIONS SHOWN TO OBTAIN ELEVATIONS AT POINTS 1, 2, 3, & 4.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT

SHEET 9

1145

SCALE = 10.0

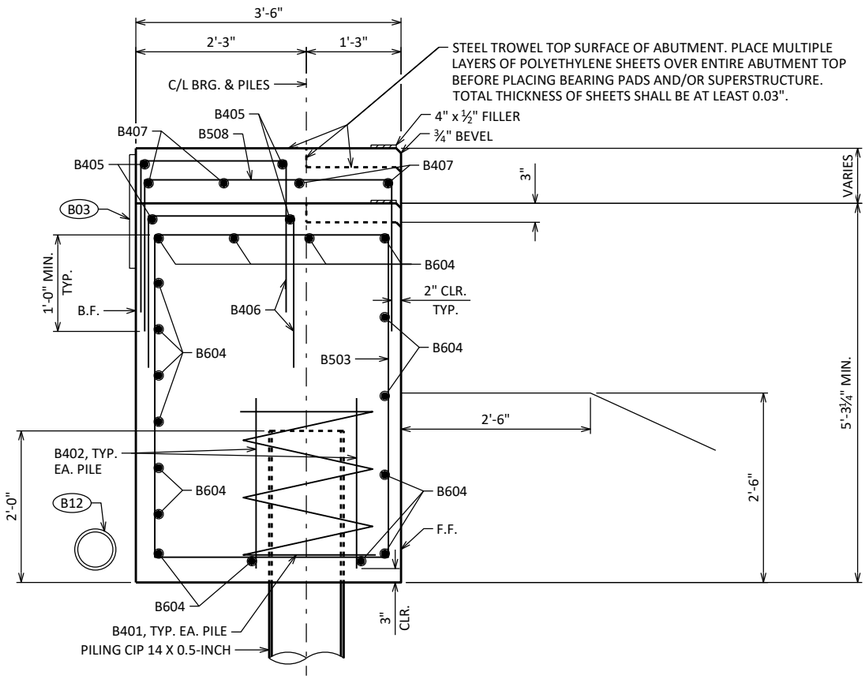
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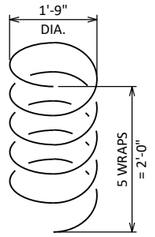
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STATE PROJECT NUMBER

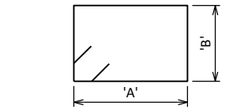
5992-11-26



SECTION B-B

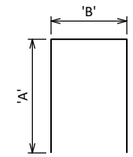


B401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-7"

B503



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B406	2'-0"	1'-11"
B508	1'-10"	3'-2"

B406, B508

BILL OF BARS

TOTAL UNCOATED = 2,590 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
B401	7	28'-0"		X	ABUT. BODY - PILES
B402	14	2'-3"			ABUT. BODY - PILES
B503	46	16'-2"		X	ABUT. BODY - STIRRUP
B604	17	48'-3"			ABUT. BODY - LONG.
B405	2	44'-11"			ABUT. BODY - LONG. B.F.
B406	31	5'-9"		X	ABUT. BODY - VERT. STIRRUP
B407	4	23'-1"			ABUT. BODY - LONG.
B508	24	6'-7"		X	ABUT. BODY - VERT. STIRRUP
B409	4	5'-7"			ABUT. BODY - VERT. W. END

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER OF EXPANDED POLYSTYRENE WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL, AND ALTERNATE CONSTRUCTION JOINT DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRANINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT DETAILS

SHEET 10
1146

SCALE = 2.0

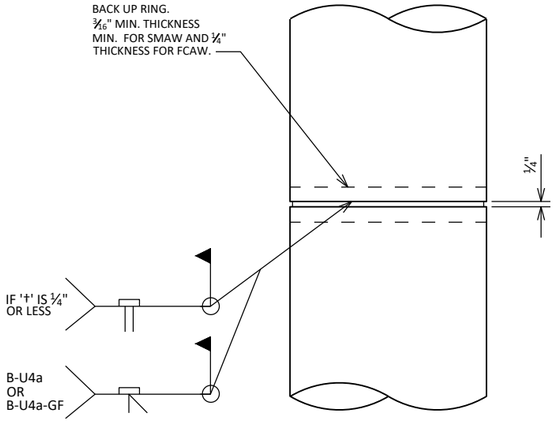
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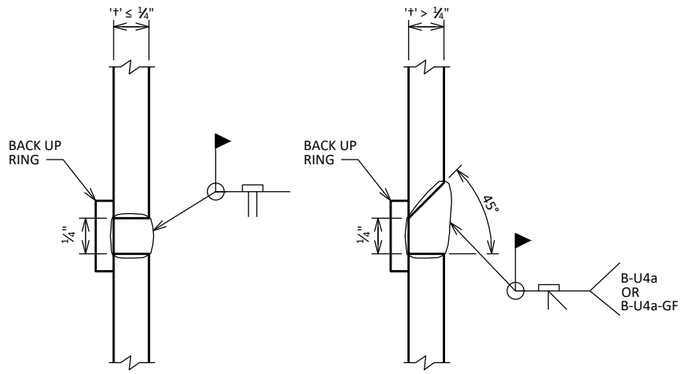
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

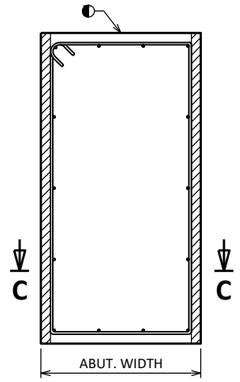
5992-11-26



CAST-IN-PLACE 'PILE PIPE'



CIP PILE WELD DETAIL



SECTION THRU ABUTMENT BODY

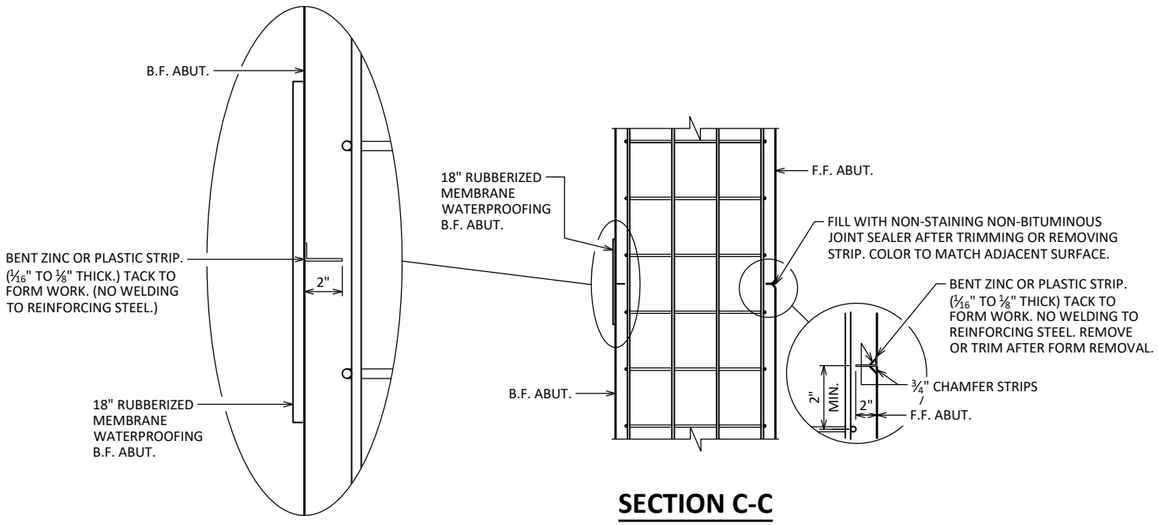
NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

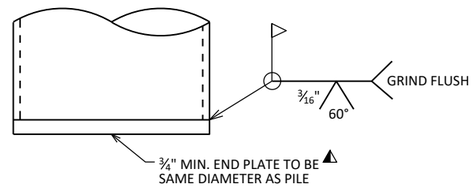
VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.



SECTION C-C



END PLATE DETAIL

LEGEND

- USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.
- THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILITY ANALYSIS PREFORMED BY THE CONTRACTOR. 3/4" MIN. REQUIRED.

F.F. - FRONT FACE

B.F. - BACK FACE

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SUBSTRUCTURE DETAILS

SHEET 11
1147

SCALE = 2.0

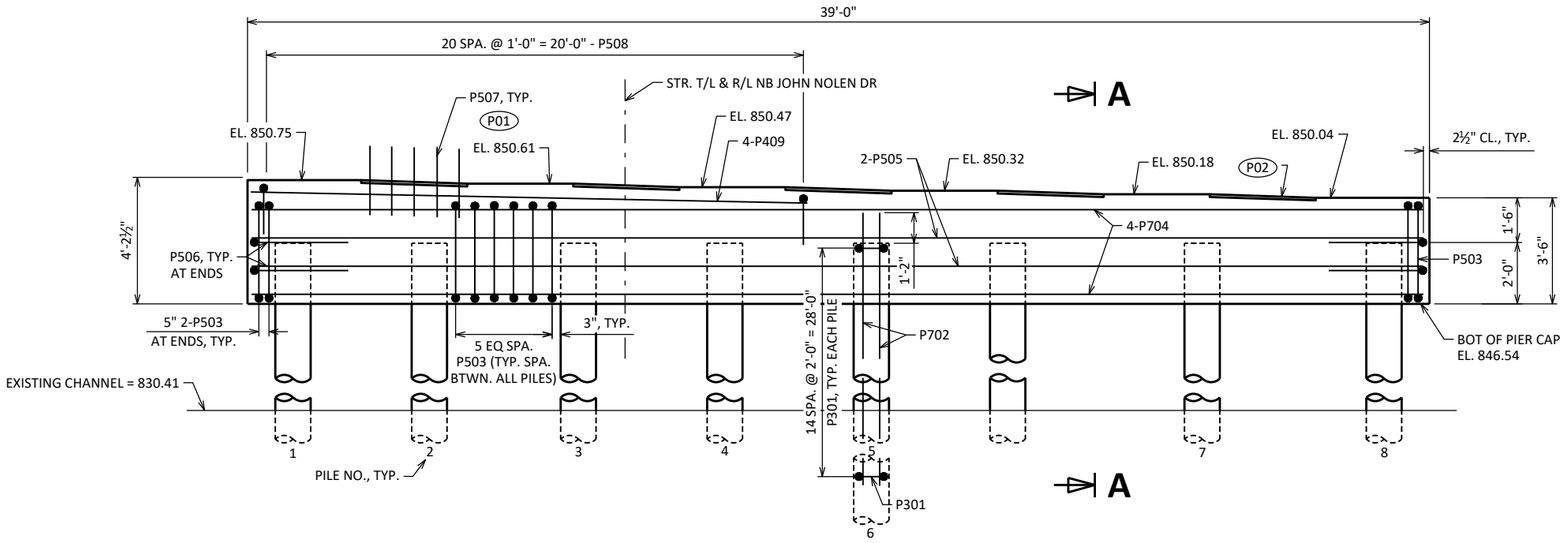
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LAYOUT NAME - ABUTMENT DETAILS

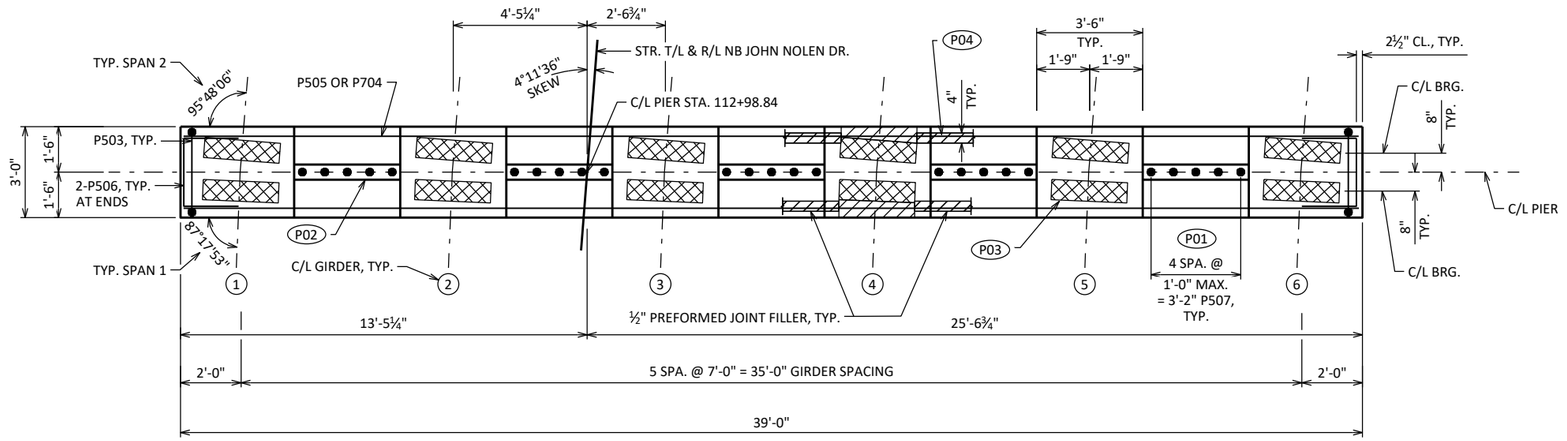
STATE PROJECT NUMBER

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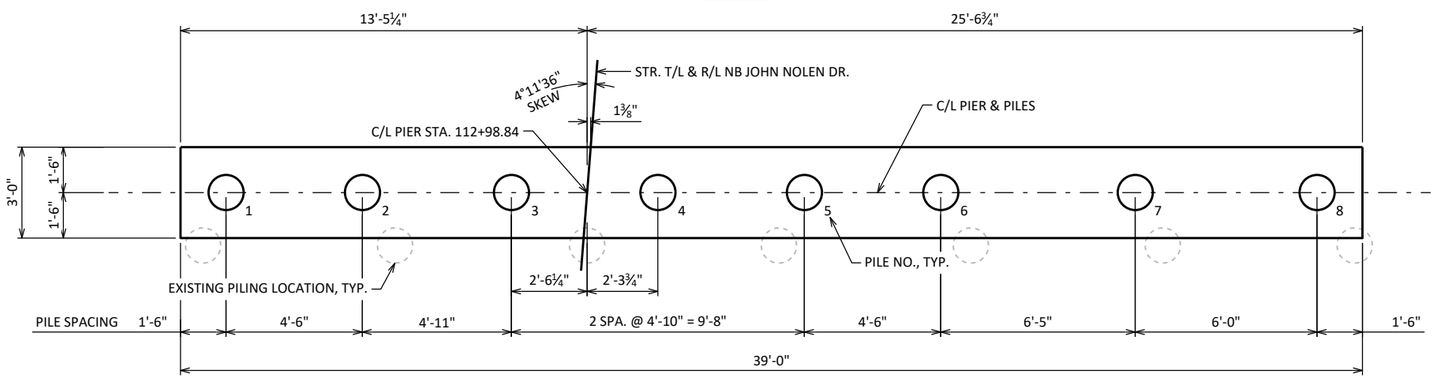


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS
- ( ) 18 X 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 390 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.
- (#) INDICATES GIRDER NUMBER

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.

EXISTING PILE LOCATIONS BASED ON AS-BUILT PLANS. CONTACT ENGINEER IF 6" MIN. CLEARANCE TO PROPOSED PILING CANNOT BE MAINTAINED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

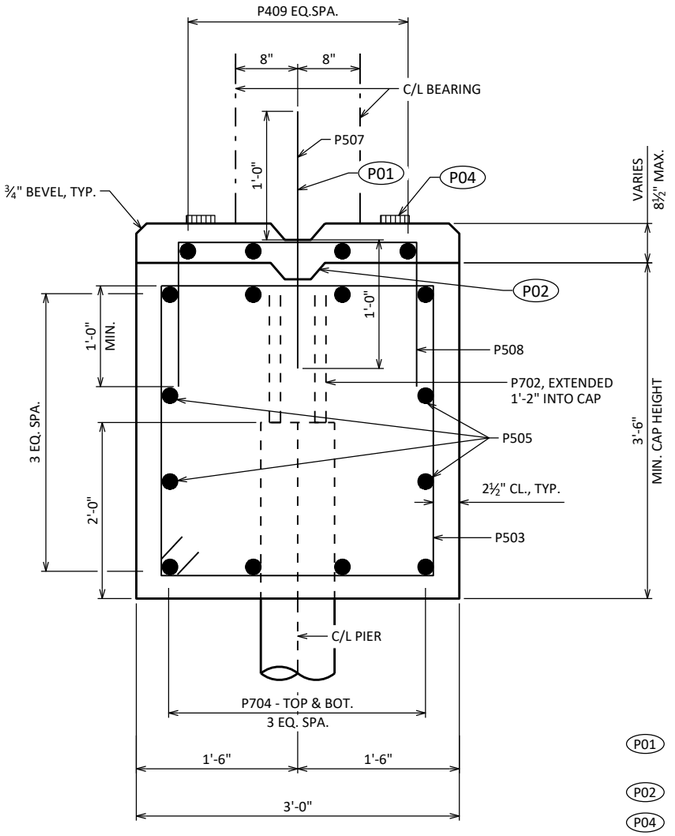
PIER

SHEET 12
1148

SCALE =

STATE PROJECT NUMBER

5992-11-26



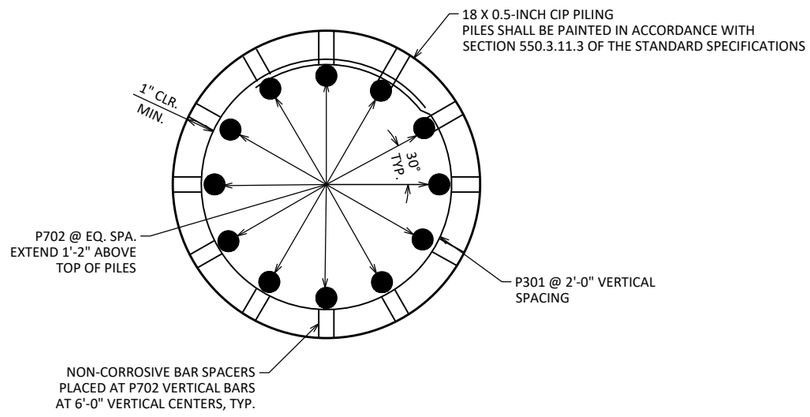
SECTION A-A

LEGEND

(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6" BETWEEN SEATS.

(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.



SECTION THRU CONCRETE CAST-IN-PLACE PILING

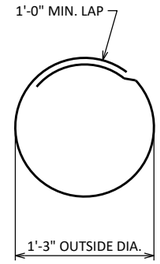
BILL OF BARS

TOTAL UNCOATED = 7,610 LBS.

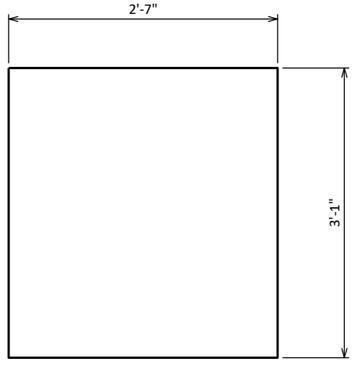
BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
P301	120	5'-0"		X	PILES TIES
P702	96	29'-4"			PILES LONGIT.
P503	46	12'-0"		X	CAP STIRRUPS
P704	8	38'-7"			CAP HORIZ. TOP & BOT.
P505	4	38'-7"			CAP HORIZ. SIDES
P506	4	5'-1"		X	CAP STIRRUPS ENDS
P507	25	2'-0"			CAP VERT. TIES TO DIAPHRAGM
P508	21	5'-10"		X	CAP STIRRUPS TOP
P409	4	20'-1"			CAP HORIZ. TOP

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

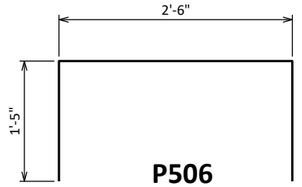
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



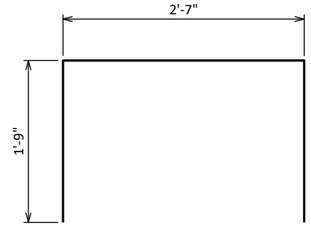
P301



P503



P506



P508

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

PIER DETAILS

SHEET 13
1149

SCALE = 4.0

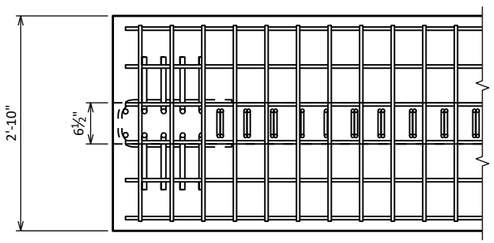
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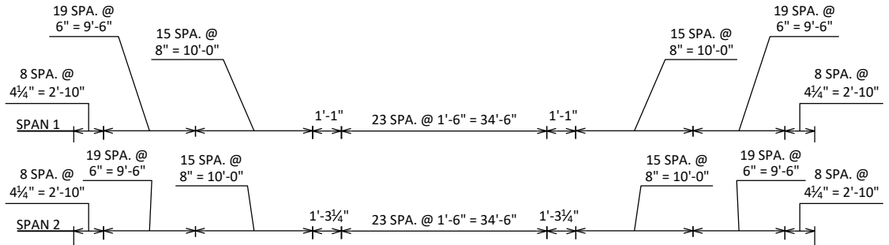
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LAYOUT NAME - SHT2C

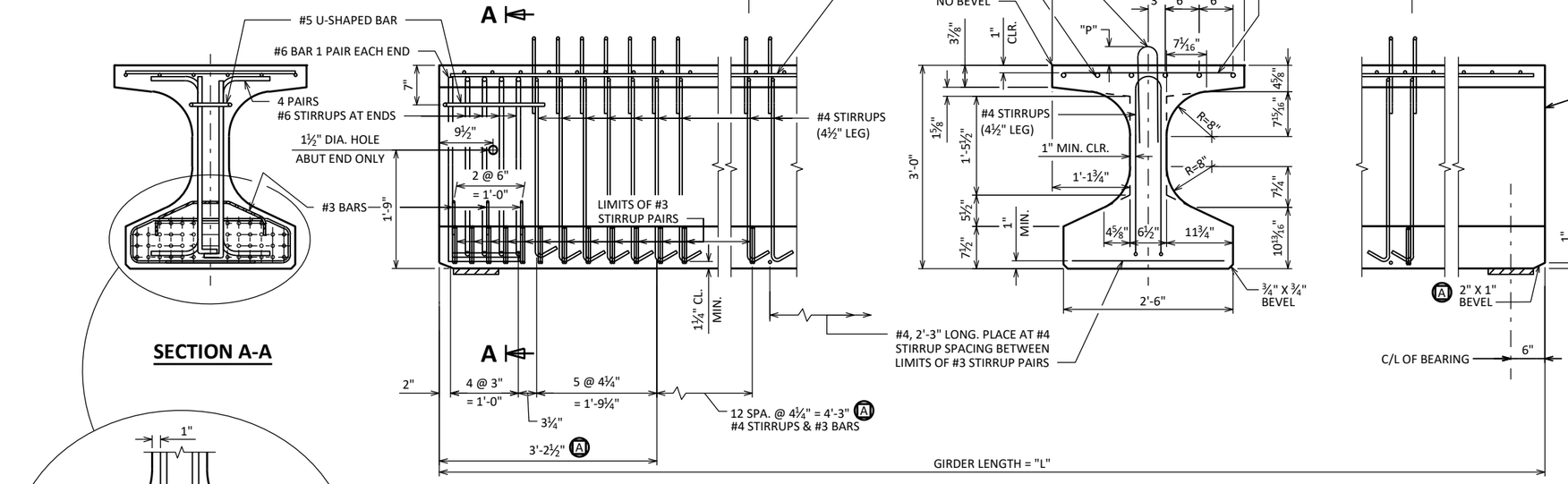
STATE PROJECT NUMBER

5992-11-26

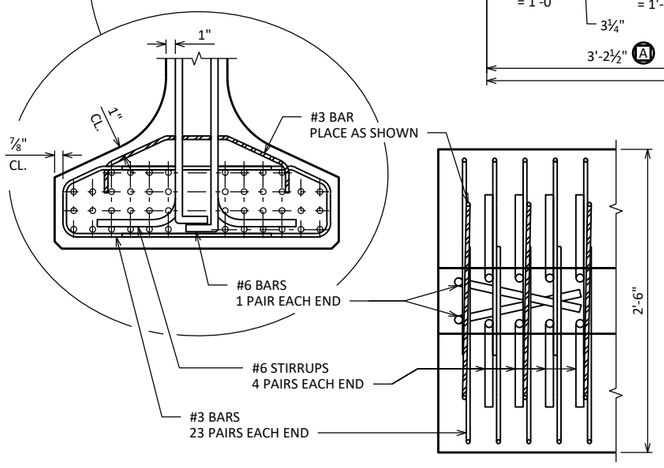


TOP FLANGE





SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

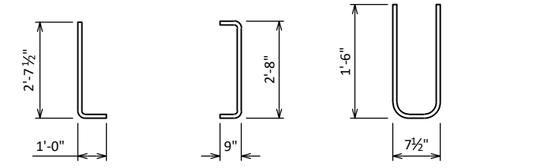
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

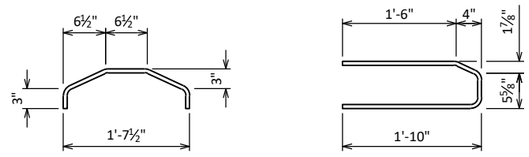
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.





⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

⚹⚹ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ⚹⚹ 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1	2-5	96'-3"	¾"	1½"	2⅛"	2⅝"	2½"	2⅝"	2"	1½"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
1	1,6	96'-3"	¾"	1½"	1⅜"	2⅛"	2¼"	2⅛"	1⅞"	1⅜"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
2	2-5	96'-7½"	¾"	1½"	2⅛"	2½"	2⅝"	2½"	2⅛"	1½"	⅞"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---
2	1,6	96'-7½"	¾"	1½"	1⅜"	2⅛"	2¼"	2¼"	1⅞"	1⅜"	¾"	8,000	8"	7"	8"	0.6	34	6,800	31	11.5	14.5	5	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER

SHEET 14
1150

SCALE = 2.0

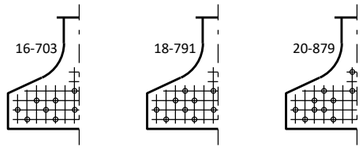
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080413_GR.DWG
LAYOUT NAME - 36W PS GIRDER

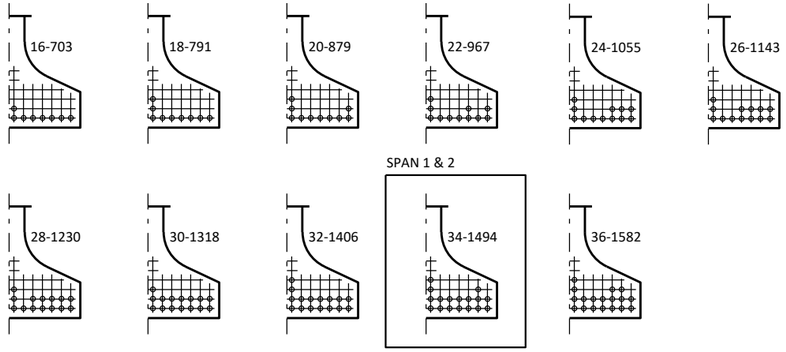
STATE PROJECT NUMBER

5992-11-26



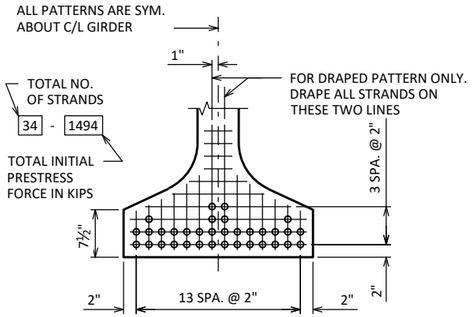
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

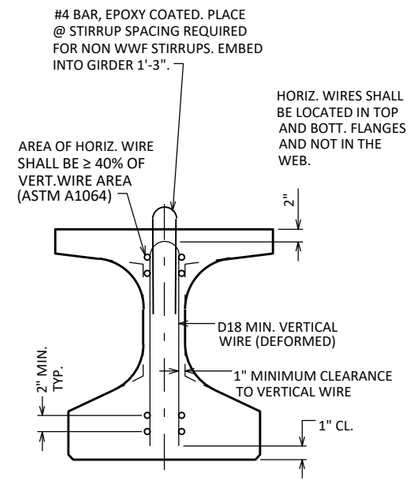


ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS

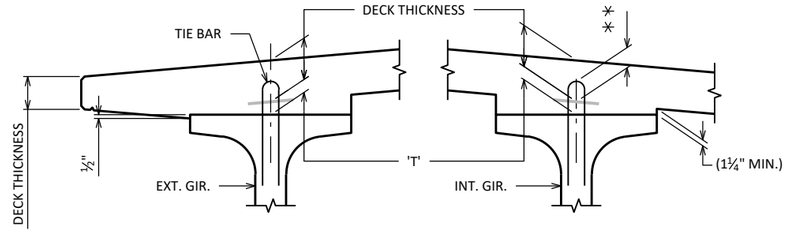


TYP. STRAND PATTERN



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS
ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE

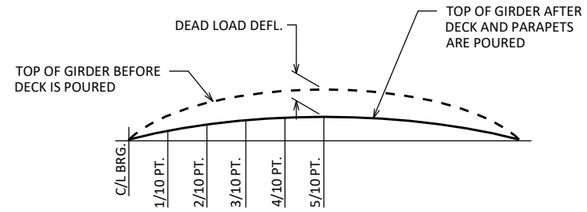
⁎ GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁎⁎ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

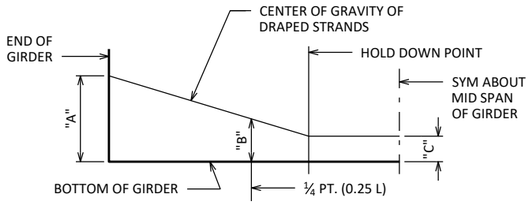
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

	TOP OF DECK ELEV. AT FINAL GRADE
-	TOP OF GIRDER ELEVATION
+	DEAD LOAD DEFLECTION
-	DECK THICKNESS
=	HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 3½" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".



CAMBER AND DEAD LOAD DEFLECTION DIAGRAM



DRAPED STRAND PROFILE

⁎ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	DRAPED PATTERN CAMBER (IN.) ⁎
1	4.24
2	4.25

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER DETAILS

SHEET 15
1151

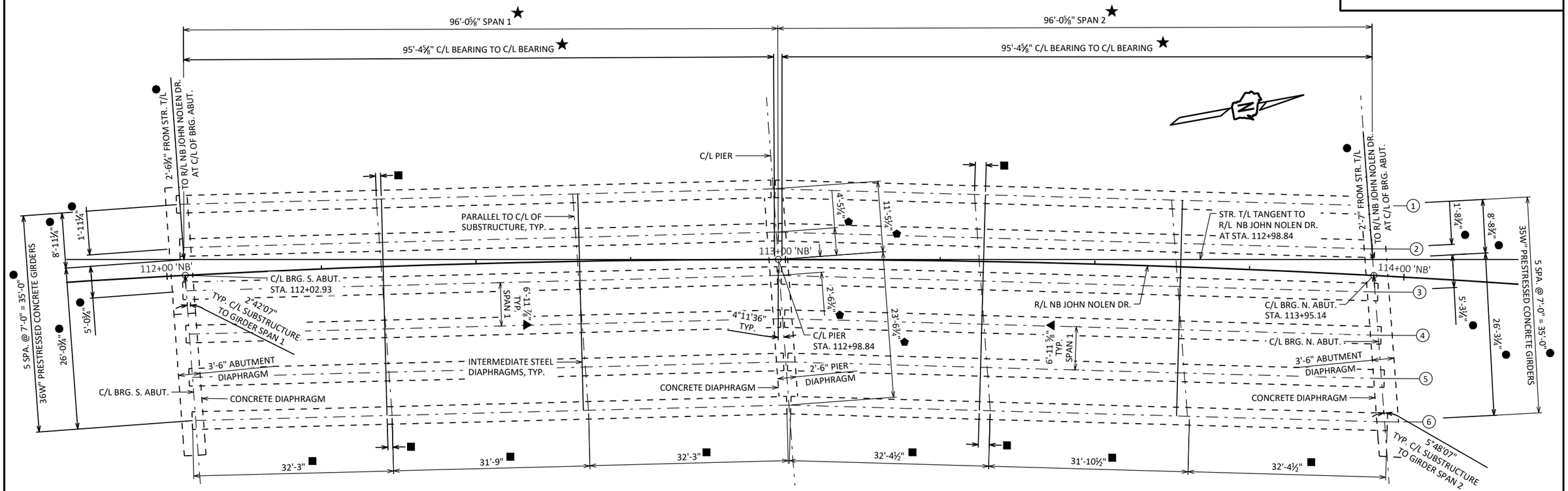
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080414_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER
5992-11-26



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
WEST EDGE OF MEDIAN	856.02	855.95	855.89	855.83	855.75	855.70	855.63	855.56	855.50	855.43	855.38
WEST EDGE OF DECK	855.51	855.44	855.38	855.31	855.24	855.18	855.11	855.04	854.98	854.91	854.85
WEST FLOW LINE	855.45	855.38	855.32	855.25	855.18	855.12	855.05	854.98	854.92	854.85	854.79
GIRDER 1	855.46	855.39	855.32	855.25	855.18	855.12	855.05	854.98	854.92	854.85	854.80
GIRDER 2	855.32	855.25	855.18	855.11	855.04	854.98	854.91	854.84	854.77	854.71	854.65
GIRDER 3	855.18	855.11	855.04	854.97	854.90	854.83	854.77	854.70	854.63	854.56	854.51
GIRDER 4	855.04	854.97	854.89	854.83	854.76	854.69	854.62	854.56	854.49	854.42	854.36
GIRDER 5	854.90	854.83	854.75	854.68	854.62	854.55	854.48	854.41	854.35	854.29	854.22
GIRDER 6	854.76	854.69	854.61	854.54	854.47	854.41	854.34	854.27	854.20	854.14	854.08
EAST EDGE OF DECK	854.73	854.66	854.59	854.52	854.45	854.39	854.32	854.25	854.18	854.11	854.05

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
WEST EDGE OF MEDIAN	855.37	855.31	855.24	855.17	855.11	855.04	854.97	854.91	854.85	854.78	854.71
WEST EDGE OF DECK	854.84	854.78	854.71	854.64	854.58	854.51	854.44	854.38	854.31	854.24	854.17
WEST FLOW LINE	854.78	854.72	854.65	854.58	854.52	854.45	854.38	854.32	854.25	854.18	854.11
GIRDER 1	854.79	854.72	854.65	854.58	854.51	854.44	854.37	854.31	854.25	854.18	854.11
GIRDER 2	854.65	854.57	854.51	854.44	854.36	854.29	854.23	854.17	854.10	854.04	853.98
GIRDER 3	854.51	854.43	854.36	854.29	854.23	854.15	854.09	854.02	853.96	853.89	853.83
GIRDER 4	854.36	854.29	854.22	854.15	854.08	854.01	853.95	853.88	853.81	853.74	853.69
GIRDER 5	854.22	854.14	854.07	854.01	853.94	853.87	853.80	853.73	853.67	853.60	853.54
GIRDER 6	854.08	854.01	853.93	853.86	853.79	853.72	853.66	853.59	853.52	853.46	853.39
EAST FLOW LINE	854.04	853.98	853.91	853.84	853.77	853.70	853.64	853.57	853.50	853.43	853.36

INTERMEDIATE DIAPHRAGMS OFFSETS ■

GIRDER NUMBER	OFFSET (IN.)	
	SPAN 1	SPAN 2
1	9 7/8"	1'-9 1/4"
2	6"	1'-0 3/4"
3	2"	4 1/4"
4	2"	4 1/4"
5	6"	1'-0 3/4"
6	9 7/8"	1'-9 1/4"

LEGEND

★ DIMENSION MEASURED ALONG STR. T/L.

■ DIMENSION MEASURED ALONG C/L OF GIRDER.

● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF BEARING.

⬟ DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF PIER.

▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER C/L

NOTES

GIRDER ENDS ARE TO EXTEND 6" PAST C/L BEARING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE FRAMING PLAN

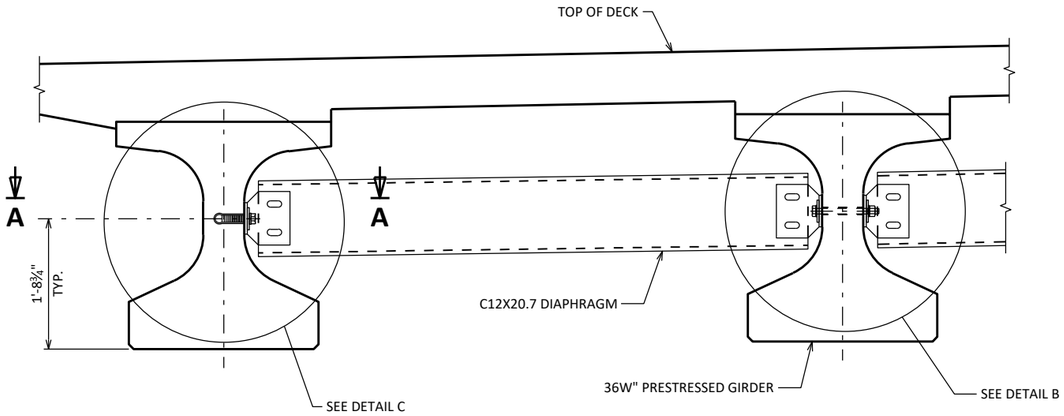
SHEET 16
1152

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STATE PROJECT NUMBER

5992-11-26



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

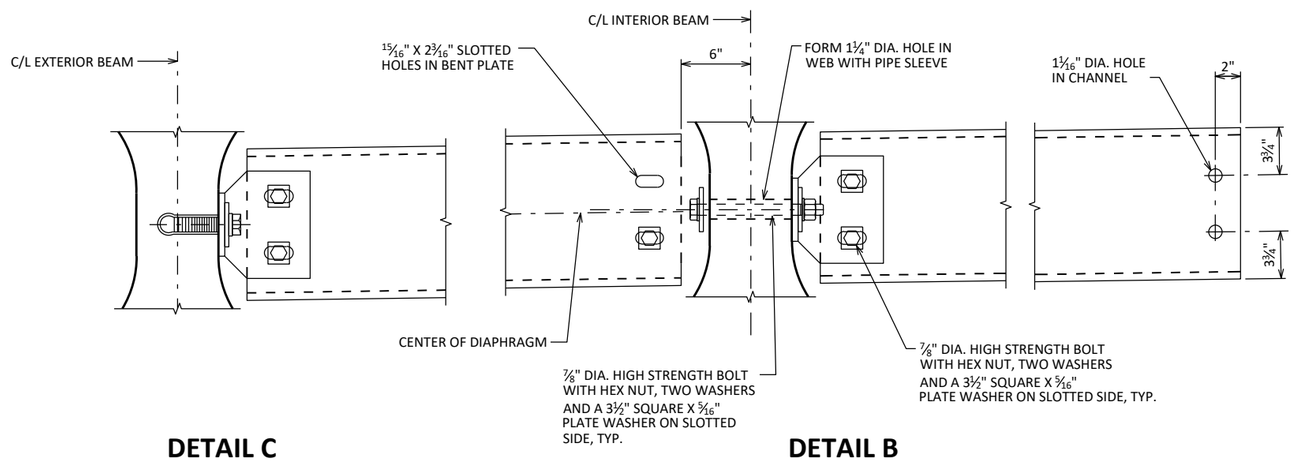
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-926 NB", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

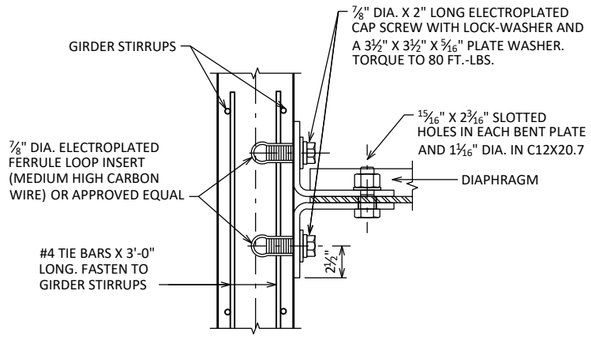
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

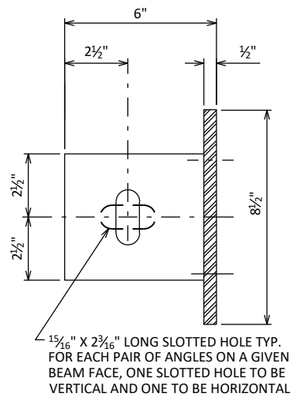
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



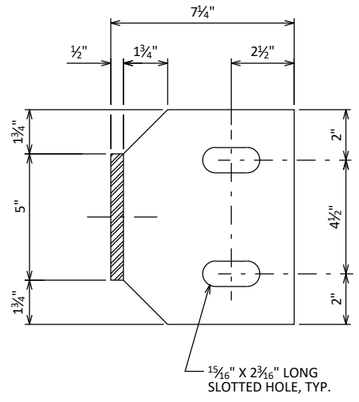
DETAIL C **DETAIL B**



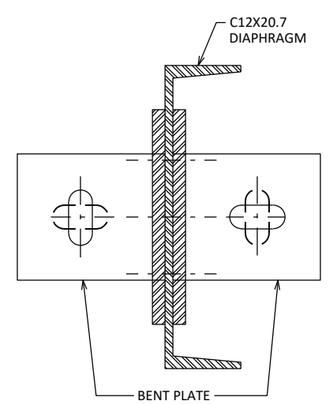
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

STEEL DIAPHRAGM

SHEET 17
1153

SCALE = 2.0

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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080416_SD.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-26

194'-7½" END OF DECK TO END OF DECK ★

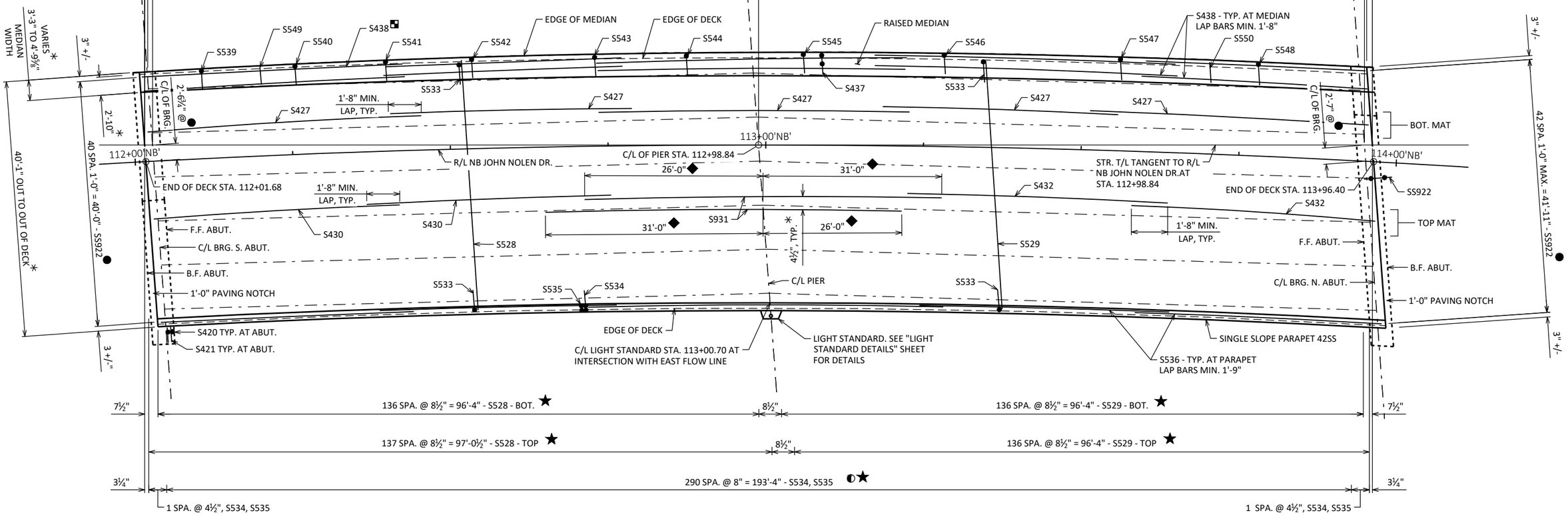
1'-3⅛" ★ | 96'-0⅝" SPAN 1 ★ | 96'-0⅝" SPAN 2 ★ | 1'-3⅛" ★

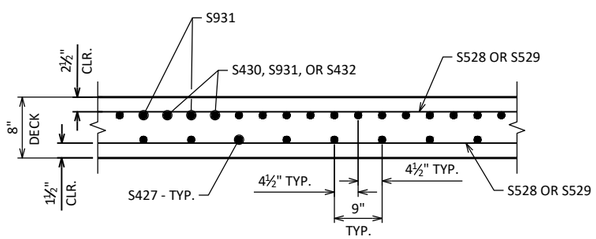
3¼"± | 274 SPA. @ 8½" = 194'-1" - S533 - OVERHANG ★ | 3¼"±

1 SPA. @ 3½", S437 | 387 SPA. @ 6" = 193'-6" - S437 ★ | 1 SPA. @ 3½", S437

42 SPA. @ 4" = 14'-0" - S539 | 4" | 41 SPA. @ 4" = 13'-8" - S540 | 4" | 41 SPA. @ 4" = 13'-8" - S541 | 4" | 47 SPA. @ 4" = 15'-8" - S542 | 4" | 47 SPA. @ 4" = 15'-8" - S543 | 4" | 59 SPA. @ 4" = 19'-8" - S544 | 4" | 71 SPA. @ 4" = 23'-8" S545 | 4" | 71 SPA. @ 4" = 23'-8" S546 | 4" | 89 SPA. @ 4" = 29'-8" S547 | 4" | 65 SPA. @ 4" = 21'-8" S548 ★

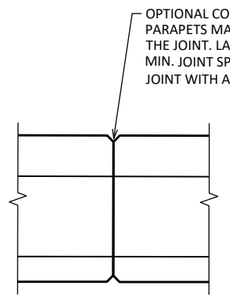
1 SPA. @ 1'-0½", S449 | 63 SPA. @ 1'-6" = 94'-6" - S449 ★ | 1'-6" | 64 SPA. @ 1'-6" = 96'-0" - S450 ★ | 1 SPA. @ 1'-0½", S450





CROSS SECTION THRU DECK AT PIER

(BAR SPACING DIMENSIONS SHOWN ARE MEASURED RADIALLY)



SECTION THRU PARAPET ON DECK

LEGEND

★ DIMENSION OR SPACING MEASURED ALONG STR. T/L

* DIMENSION MEASURED RADIALLY

◆ DIMENSION MEASURED PARALLEL TO GIRDERS.

▪ 2 - S438 BARS IN BOTTOM MAT OF MEDIAN OVERHANG AT SOUTH ABUTMENT, 3 - S438 BARS IN BOTTOM MAT OF MEDIAN OVERHANG FROM FIRST LAP TO NORTH ABUTMENT

◐ 2 - S535 BARS DISPLACED AND AN ADDITIONAL 2- S534 BARS PROVIDED AT JUNCTION BOX. SEE "LIGHT STANDARD DETAILS" SHEET FOR DETAILS

● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

NOTES

LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK, MEDIAN AND PARAPET ARE PLACED PARALLEL WITH C/L OF SUBSTRUCTURE. TRANSVERSE BAR SPACING IS MEASURED ALONG THE STR. T/L.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D WAH

SUPERSTRUCTURE PLAN

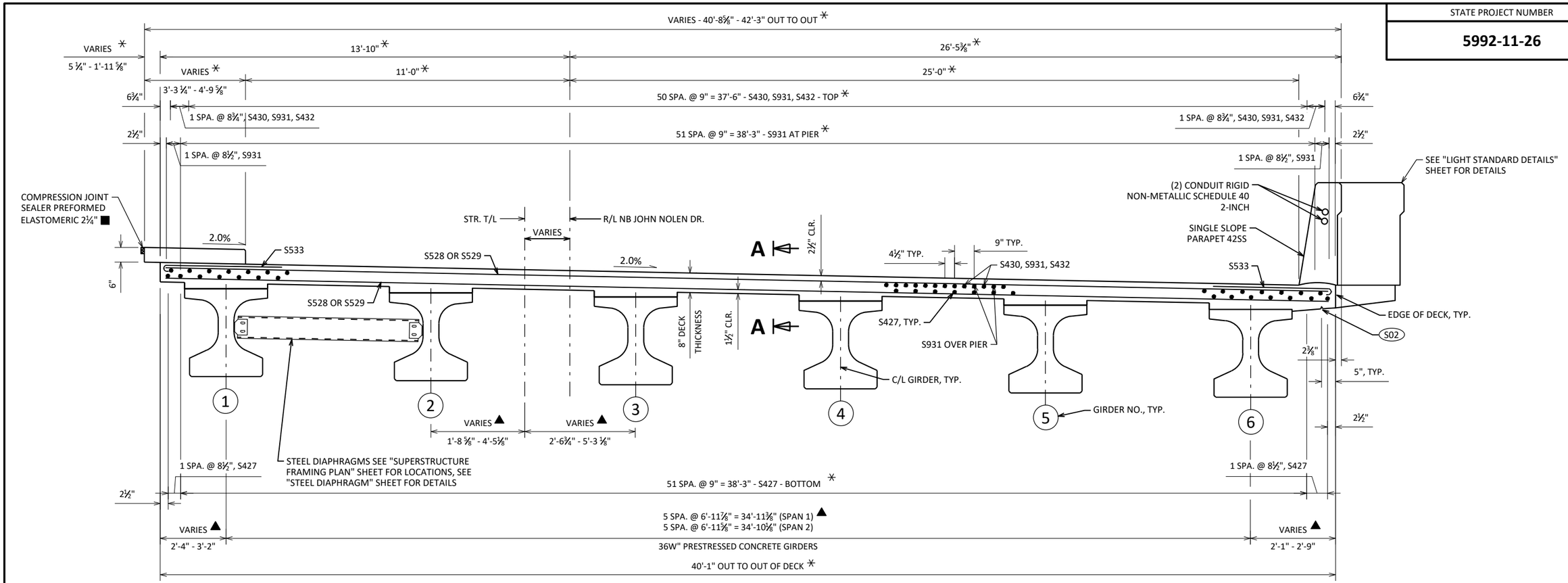
SHEET 18
1154

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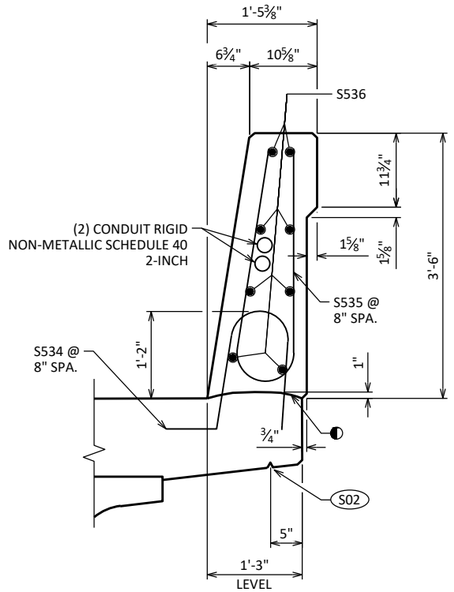
STATE PROJECT NUMBER

5992-11-26

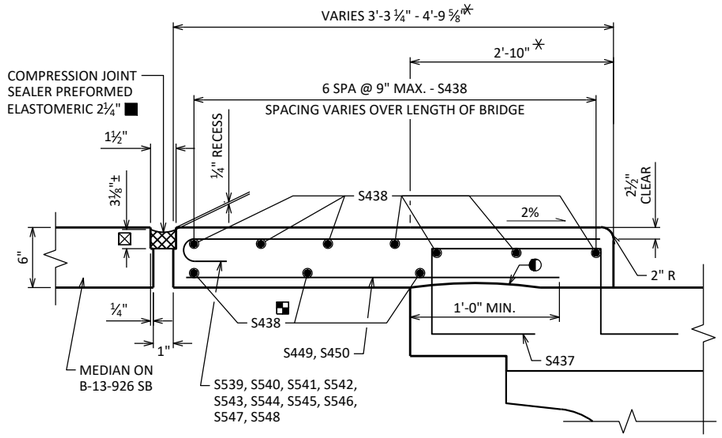


CROSS SECTION THRU SUPERSTRUCTURE

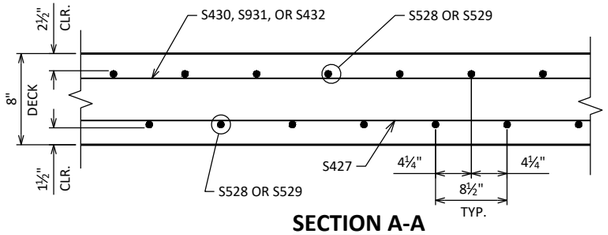
LOOKING NORTH



SECTION THRU PARAPET ON BRIDGE - SINGLE SLOPE PARAPET 42SS



SECTION THRU MEDIAN ON BRIDGE



SECTION A-A

(BAR SPACING DIMENSIONS SHOWN ARE MEASURED ALONG THE STRUCTURE T/L)

NOTES

CAST S437 AND S534 BARS INTO DECK PRIOR TO POURING MEDIAN AND PARAPETS.

LAP LONGITUDINAL NO. 5 BARS IN PARAPET AT 1'-9" MIN.

LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK, MEDIAN AND PARAPET ARE PLACED PARALLEL WITH C/L OF SUBSTRUCTURE. TRANSVERSE BAR SPACING IS MEASURED ALONG STR. T/L.

LEGEND

- (S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).
- ◐ CONST. JT. - STRIKE OFF AS SHOWN AND LEAVE ROUGH FOR DECK POUR.
- ✳ DIMENSION MEASURED RADIALLY TO ALIGNMENT
- ▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER LINE
- ■ MANUFACTURER SHALL LABEL TOP OF SEAL
- ⊠ VARIES BASED ON MANUFACTURER
- ◪ 2 - S438 BARS AT SOUTH ABUTMENT, 3 - S438 BARS FROM FIRST LAP TO NORTH ABUTMENT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE CROSS SECTION

SHEET 19
1155

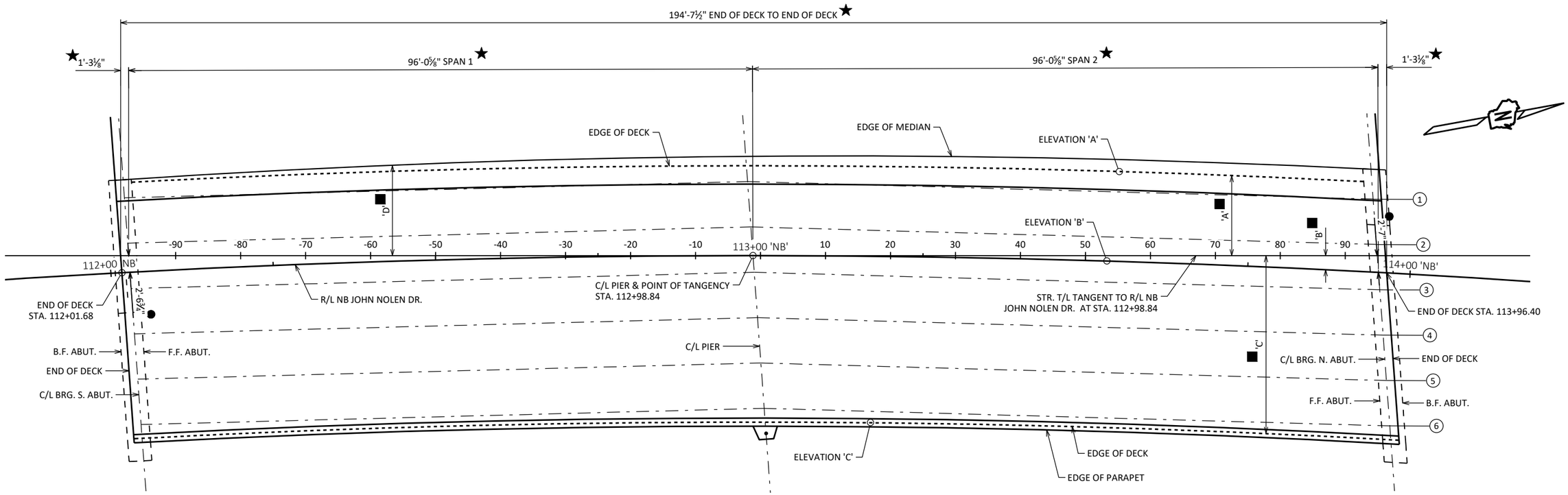
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080418_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
5992-11-26



LEGEND

★ DIMENSION MEASURED ALONG STR. T/L

● DIMENSION MEASURED PARALLEL TO AND AT THE C/L OF SUBSTRUCTURE

■ DIMENSION MEASURED PERPENDICULAR TO T/L

TANGENT OFFSET PLAN

TANGENT OFFSET AND ELEVATION TABLE

DISTANCE	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
OFFSET 'A'	11.60	12.07	12.48	12.84	13.14	13.39	13.58	13.72	13.80	13.83	13.80	13.72	13.58	13.39	13.14	12.84	12.48	12.07	11.60
ELEVATION 'A'	855.46	855.39	855.32	855.26	855.19	855.12	855.05	854.98	854.91	854.84	854.77	854.70	854.63	854.56	854.49	854.42	854.35	854.28	854.21
OFFSET 'B'	2.25	1.78	1.36	1.00	0.70	0.45	0.25	0.11	0.03	0.00	0.03	0.11	0.25	0.44	0.69	1.00	1.36	1.78	2.25
ELEVATION 'B'	855.19	855.12	855.05	854.98	854.91	854.84	854.77	854.70	854.63	854.56	854.49	854.42	854.35	854.28	854.21	854.14	854.07	854.00	853.93
OFFSET 'C'	28.54	28.06	27.63	27.27	26.96	26.70	26.50	26.36	26.28	26.25	26.28	26.36	26.50	26.70	26.96	27.27	27.63	28.06	28.53
ELEVATION 'C'	854.70	854.63	854.56	854.48	854.41	854.34	854.27	854.20	854.13	854.06	853.99	853.92	853.85	853.77	853.70	853.63	853.56	853.49	853.42
OFFSET 'D'	29.07	28.71	28.41	28.21	28.00	27.81	27.71	27.66	27.67	27.72	27.85	27.98	28.19	28.45	28.77	29.11	29.52	29.98	30.49
ELEVATION 'D'	855.21	855.14	855.08	855.00	854.93	854.86	854.79	854.73	854.66	854.59	854.52	854.45	854.38	854.30	854.24	854.17	854.10	854.03	853.96

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

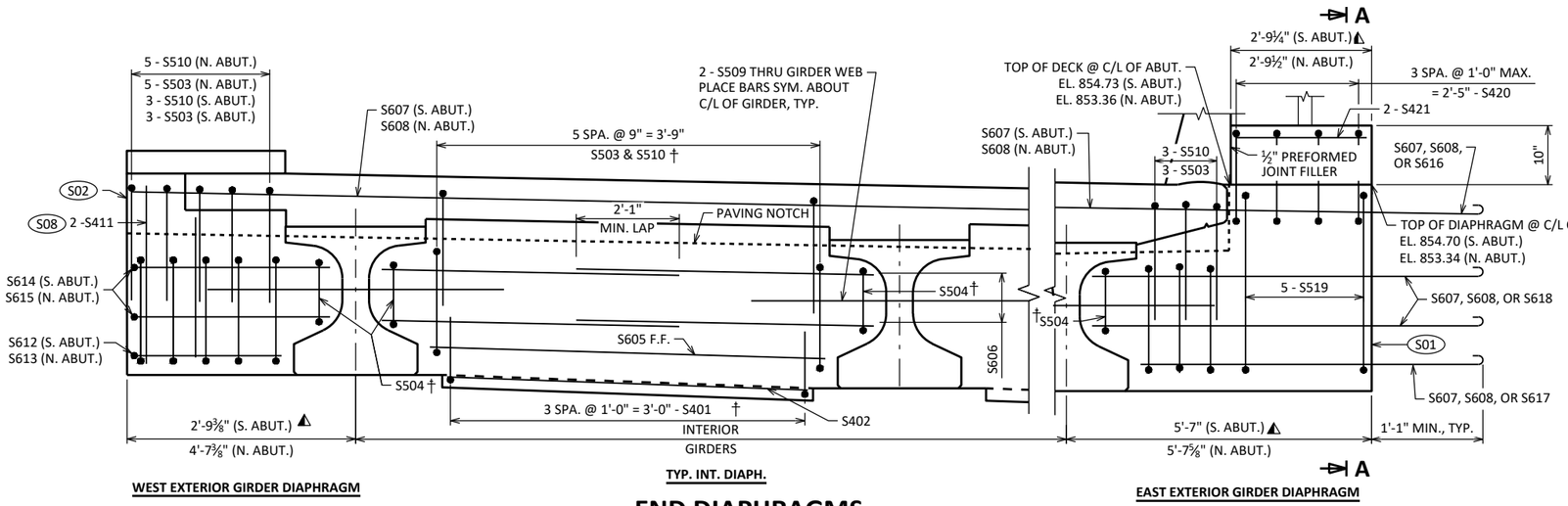
DRAWN BY STD | PLANS CK'D WAH

SUPERSTRUCTURE LAYOUT

SHEET 20
1156

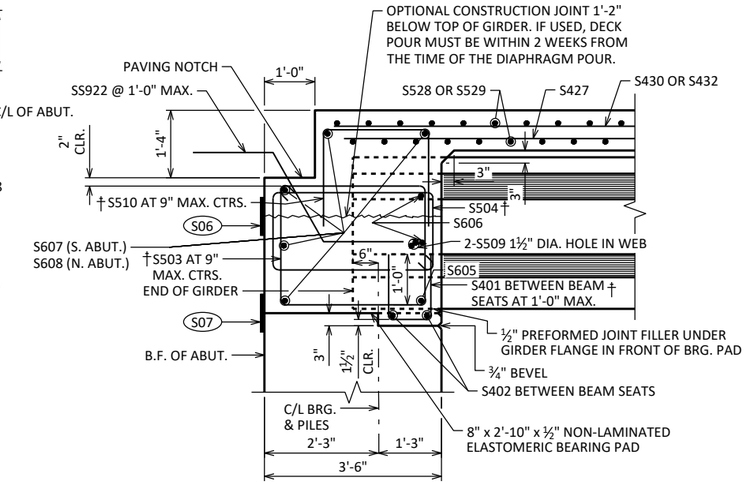
STATE PROJECT NUMBER

5992-11-26



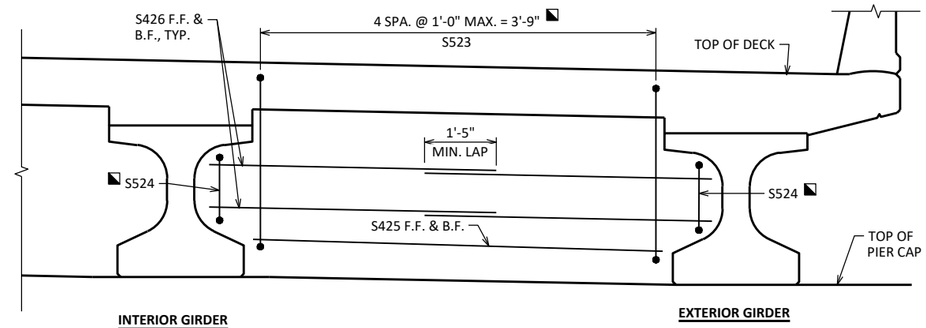
END DIAPHRAGMS

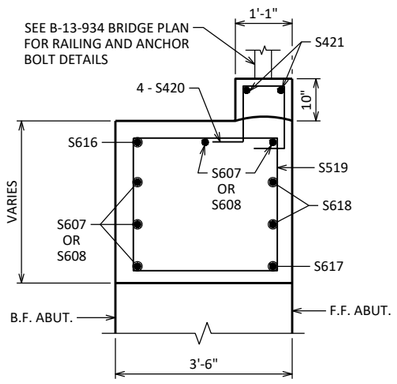
LOOKING NORTH AT NORTH ABUTMENT
(SOUTH ABUTMENT SIMILAR)



PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

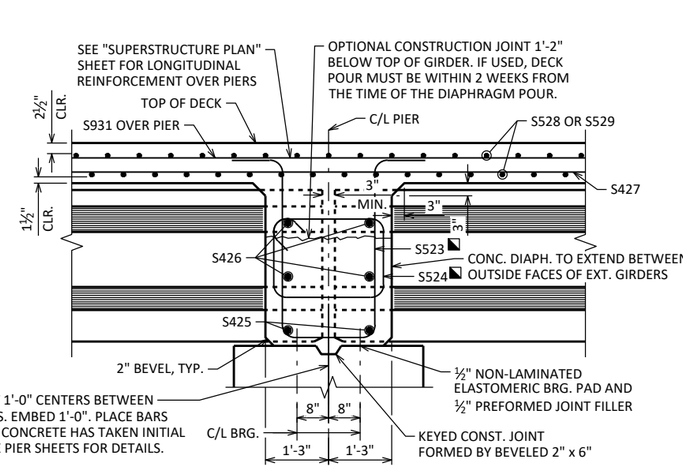
(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)





SECTION A-A

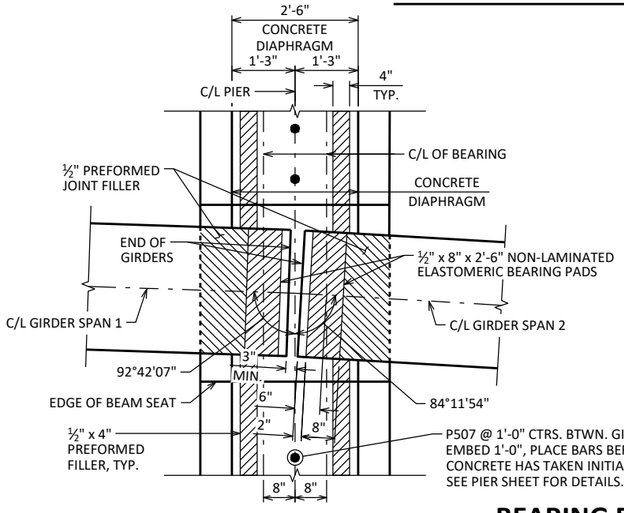
(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

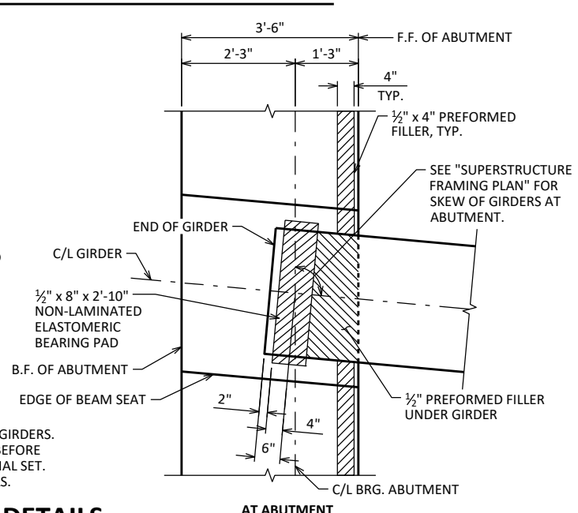


PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

PART. TRANS. SECTION AT DIAPHRAGM PIER





BEARING DETAILS

(DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE UNLESS SHOWN OTHERWISE)

(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)

LEGEND

- (S01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (S02) 1" FILLER FROM BOTTOM OF ABUTMENT TO TOP OF DIAPHRAGM. FILLER IS NOT INCLUDED IN DIAPHRAGM LENGTH.
- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "HPC MASONRY STRUCTURES")
- (S07) RUBBERIZED MEMBRANE WATERPROOFING
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END
- † BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L OF GIRDERS
- ◭ DIMENSION TAKEN AT C/L OF ABUTMENT AND PARALLEL TO C/L OF ABUTMENT. DIMENSION DOES NOT INCLUDE 1" FILLER ON MEDIAN SIDE. EDGE OF DIAPHRAGM TO ALIGN WITH EDGE OF ABUTMENT.
- ◪ BARS PLACED PERPENDICULAR TO C/L OF PIER. SPACING IS PARALLEL TO C/L OF PIER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE DETAILS

SHEET 21
1157

SCALE = 3.0

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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080420_SS-DETAILS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

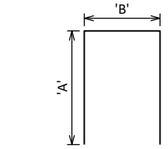
5992-11-26

TOTAL STAINLESS = 1,430 LBS.

TOTAL COATED = 73,920 LBS.

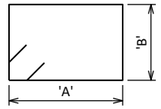
BILL OF BARS

BAR MARK	NO. REQ'D.	LENGTH	COAT	STAINLESS STEEL	BENT	LOCATION
S401	40	3'-5"	X		X	ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S402	20	3'-1"	X			ABUT. DIAPH. BOTTOM BTWN. GIRDERS
S503	74	11'-8"	X		X	ABUT. DIAPH. STIRRUP
S504	24	9'-10"	X		X	ABUT. DIAPH. STIRRUP
S605	10	4'-2"	X			ABUT. DIAPH. BOTTOM FRONT FACE
S606	40	4'-2"	X			ABUT. DIAPH. FRONT FACE
S607	5	45'-0"	X		X	ABUT. DIAPH. BACK & TOP SPAN 1
S608	5	47'-0"	X		X	ABUT. DIAPH. BACK & TOP SPAN 2
S509	24	6'-0"	X			ABUT. DIAPH. THRU GIRDER WEB
S510	74	7'-1"	X		X	ABUT. DIAPH. VERT.
S411	4	3'-8"	X			ABUT. DIAPH. VERT. - WEST
S612	1	5'-2"	X		X	ABUT. DIAPH. WEST END HORIZ. S. ABUT.
S613	1	8'-8"	X		X	ABUT. DIAPH. WEST END HORIZ. N. ABUT.
S614	2	6'-8"	X		X	ABUT. DIAPH. WEST END HORIZ. S. ABUT.
S615	2	10'-4"	X		X	ABUT. DIAPH. WEST END HORIZ. N. ABUT.
S616	2	4'-6"	X		X	ABUT. DIAPH. EAST END HORIZ. BACK FACE
S617	2	6'-1"	X		X	ABUT. DIAPH. EAST END HORIZ. FRONT FACE
S618	4	7'-1"	X		X	ABUT. DIAPH. EAST END HORIZ. FRONT FACE
S519	10	14'-4"	X		X	ABUT. DIAPH. EAST END VERT.
S420	8	4'-9"	X		X	CURB STIRRUP
S421	4	2'-5"	X			CURB LONGITUDINAL
SS922	84	5'-0"		X	X	CONC. ABUT. DIAPH. TO APPROACH SLAB
S523	25	10'-8"	X		X	PIER DIAPH. STIRRUP
S524	10	7'-10"	X		X	PIER DIAPH. STIRRUP
S425	10	4'-2"	X			PIER DIAPH. HORIZ.
S426	40	3'-8"	X			PIER DIAPH. HORIZ.
S427	270	40'-4"	X			SLAB BOT. - LONGIT.
S528	275	39'-9"	X			SLAB TOP & BOT, TRANS. SPAN 1
S529	274	39'-10"	X			SLAB TOP & BOT, TRANS. SPAN 2
S430	106	37'-4"	X			SLAB TOP SPAN 1 LONGIT.
S931	107	57'-3"	X			SLAB TOP LONGIT. OVER PIER
S432	106	34'-11"	X			SLAB TOP SPAN 2 LONGIT.
S533	550	5'-1"	X		X	DECK OVERHANG TRANS.
S534	295	4'-5"	X		X	PARAPET VERT.
S535	293	6'-8"	X		X	PARAPET VERT.
S536	40	40'-5"	X			PARAPET HORIZ.
S437	390	5'-9"	X		X	MEDIAN VERT.
S438	49	40'-4"	X			MEDIAN LONGIT.
S539	43	3'-6"	X		X	MEDIAN TOP TRANS. OVERHANG
S540	42	3'-8"	X		X	MEDIAN TOP TRANS. OVERHANG
S541	42	3'-10"	X		X	MEDIAN TOP TRANS. OVERHANG
S542	48	4'-0"	X		X	MEDIAN TOP TRANS. OVERHANG
S543	48	4'-2"	X		X	MEDIAN TOP TRANS. OVERHANG
S544	60	4'-4"	X		X	MEDIAN TOP TRANS. OVERHANG
S545	72	4'-6"	X		X	MEDIAN TOP TRANS. OVERHANG
S546	72	4'-8"	X		X	MEDIAN TOP TRANS. OVERHANG
S547	90	4'-10"	X		X	MEDIAN TOP TRANS. OVERHANG
S548	66	5'-0"	X		X	MEDIAN TOP TRANS. OVERHANG
S449	65	2'-4"	X			MEDIAN BOT. TRANS. OVERHANG SPAN 1
S450	66	2'-10"	X			MEDIAN BOT. TRANS. OVERHANG SPAN 2
S551	12	8'-4"	X		X	LIGHT STD. - TRANS. - DECK -TOP
S552	12	7'-9"	X			LIGHT STD. - TRANS. - DECK -BOT.
S553	4	7'-0"	X		X	LIGHT STD. - VERT. - PARAPET
S554	2	3'-4"	X		X	LIGHT STD. - VERT. - PARAPET
S655	9	10'-0"	X		X	LIGHT STD. - HORIZ. - PARAPET
S556	4	7'-8"	X		X	LIGHT STD. - VERT. - PARAPET
S557	2	4'-0"	X		X	LIGHT STD. - VERT. - PARAPET



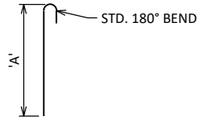
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S510	2'-7"	2'-2"
S612	1'-3"	3'-0"
S614	2'-0"	3'-0"
S556	3'-1"	1'-9"

S401, S510, S612, S614, S556



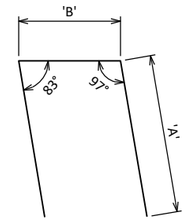
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-4"
S504	3'-2"	1'-5"
S519	3'-2"	3'-8"
S524	2'-2"	1'-5"

S503, S504, S519, S524



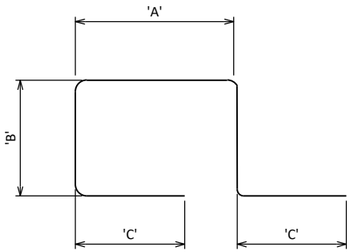
BAR MARK	DIMENSION 'A'
S607	44'-4"
S608	46'-4"
S616	3'-10"
S617	5'-5"
S618	6'-5"
S533	4'-6"
S539	2'-11"
S540	3'-1"
S541	3'-3"
S542	3'-5"
S543	3'-7"
S544	3'-9"
S545	3'-11"
S546	4'-1"
S547	4'-3"
S548	4'-5"
S551	7'-9"

S607, S608, S616, S617, S618, S533, S539, S540, S541, S542, S543, S544, S545, S546, S547, S548, S551



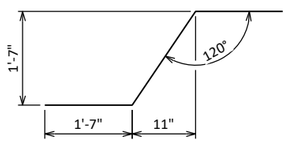
S613, S615

BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S613	3'-0"	3'-0"
S615	3'-10"	3'-0"

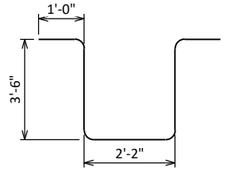


S420, S437

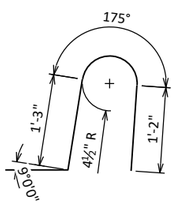
BAR MARK	DIMENSION 'A'	DIMENSION 'B'	DIMENSION 'C'
S420	9"	1'-6"	8"
S437	2'-5"	10"	1'-0"



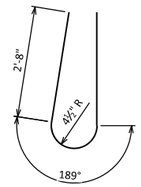
SS922
STAINLESS STEEL



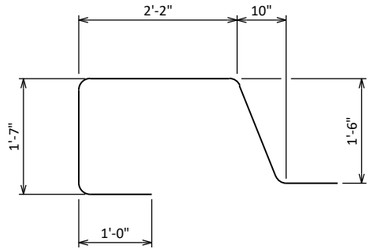
S523



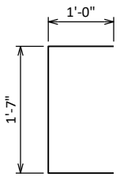
S534



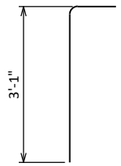
S535



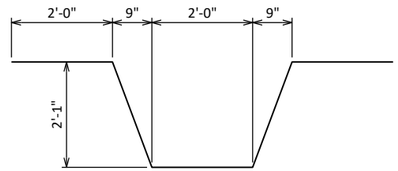
S553



S554



S557



S655

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE BILL OF BARS

SHEET 22
1158

SCALE = 3.0

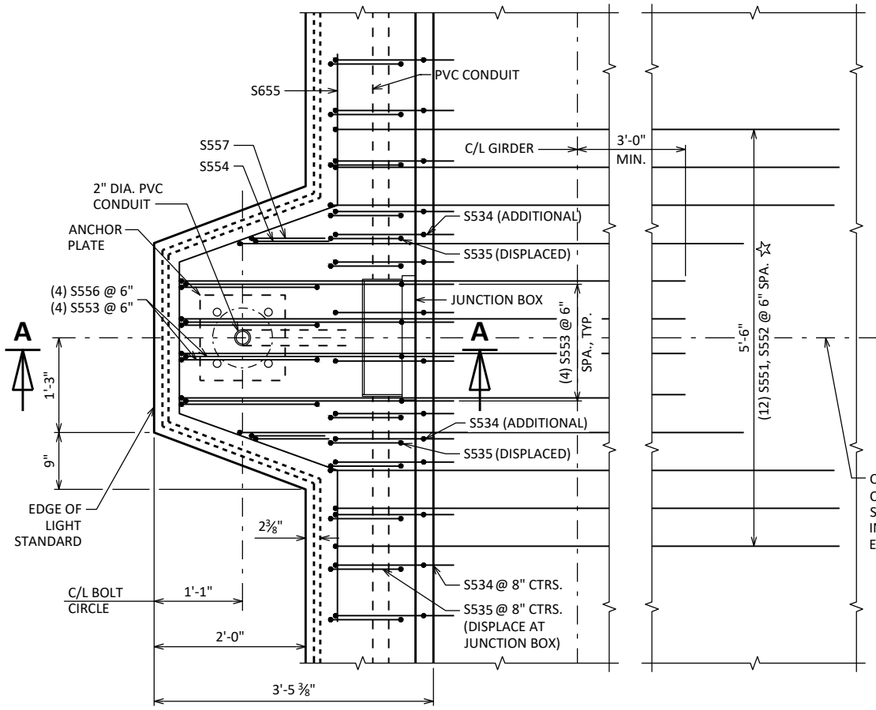
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080421_SS_BARS.DWG
LAYOUT NAME - SHT2C

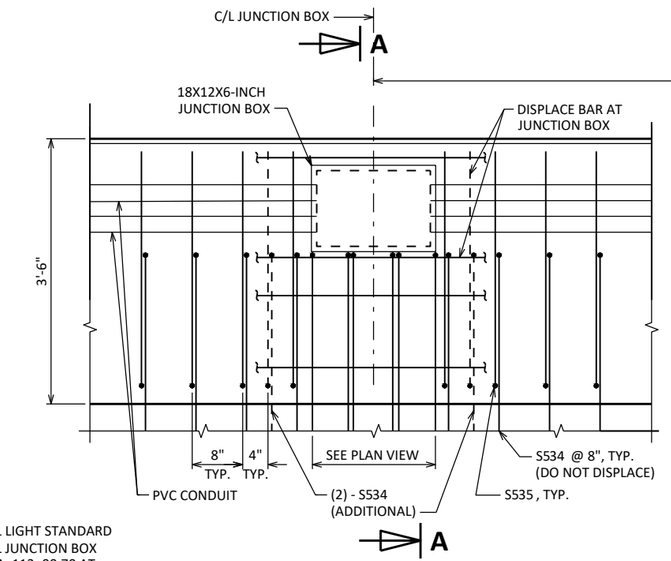
STATE PROJECT NUMBER

5992-11-26



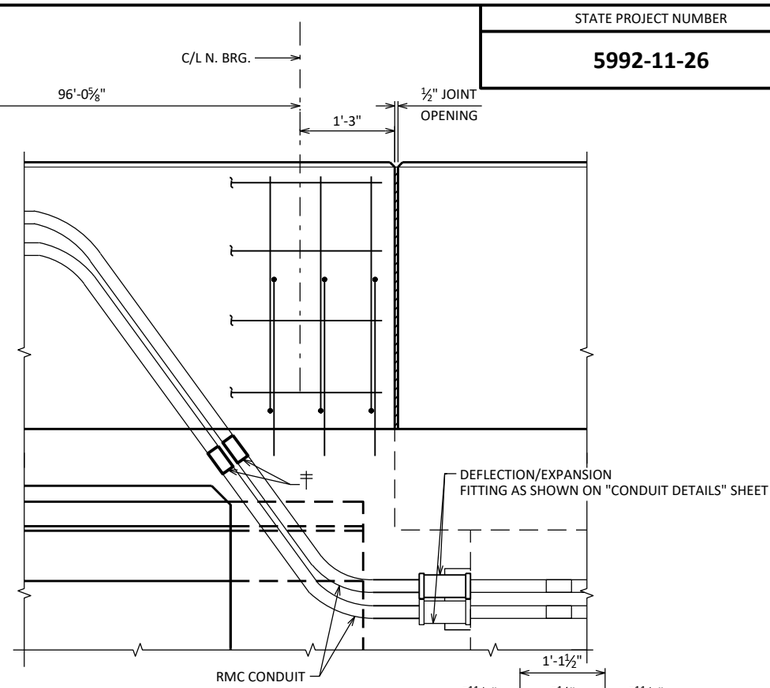
PLAN AT LIGHT STANDARD

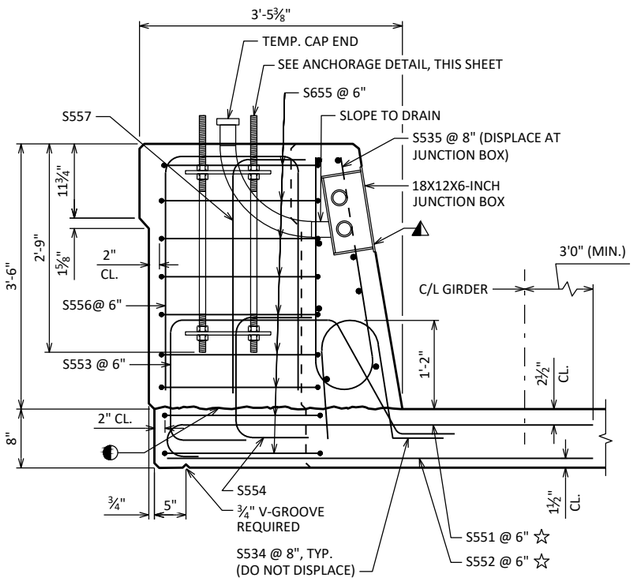
(DECK STEEL NOT SHOWN FOR CLARITY)



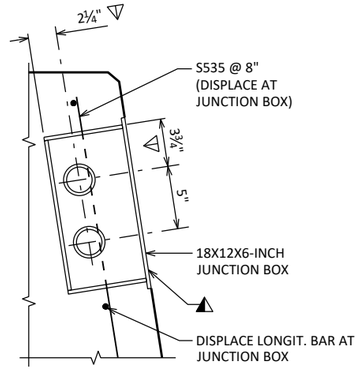
INSIDE ELEVATION AT JUNCTION BOX

(DECK STEEL NOT SHOWN FOR CLARITY)





SECTION A-A



JUNCTION BOX DETAIL

NOTES

BID ITEM SHALL BE "ANCHOR ASSEMBLIES POLES ON STRUCTURES", EACH FOR THE ANCHOR ROD ASSEMBLY.

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

PROVIDE JUNCTION BOXES FROM THE APPROVED PRODUCTS LIST.

SEE "CONDUIT DETAILS" SHEET FOR ADDITIONAL INFORMATION.

SEE "SUPERSTRUCTURE BILL OF BARS" SHEET FOR BAR BENDS AND BILL OF BARS.

LEGEND

◐ CONSTRUCTION JOINT, STRIKE OFF AS SHOWN.

◭ CUT OUT ± 1" OF GASKET AT BOTTOM OF JUNCTION BOX COVER TO ALLOW FOR DRAINAGE.

▽ LOCATION OF CONDUIT IS MEASURED FROM OUTSIDE EDGE OF JUNCTION BOX.

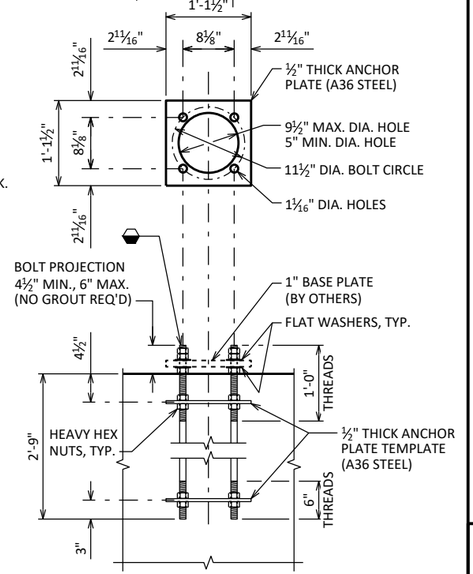
⏚ NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

RMC = RIGID METALLIC CONDUIT.

⬟ 1" DIA. ANCHOR RODS ASTM F1554 GR 55, HEAVY HEX NUTS ASTM A563, AND WASHERS ASTM F436. ANCHOR ASSEMBLIES SHALL BE GALVANIZED PER SECTION 531 OF THE STANDARD SPECIFICATION. PROVIDE (2) WASHERS AND (7) NUTS PER ANCHOR ROD.

☆ THESE BARS ARE IN ADDITION TO STANDARD TRANSVERSE BARS IN DECK.



ANCHOR ROD ASSEMBLY DETAIL

(4) - ANCHOR RODS REQUIRED PER ASSEMBLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

LIGHT STANDARD DETAILS

SHEET 23
1159

SCALE = 2.0

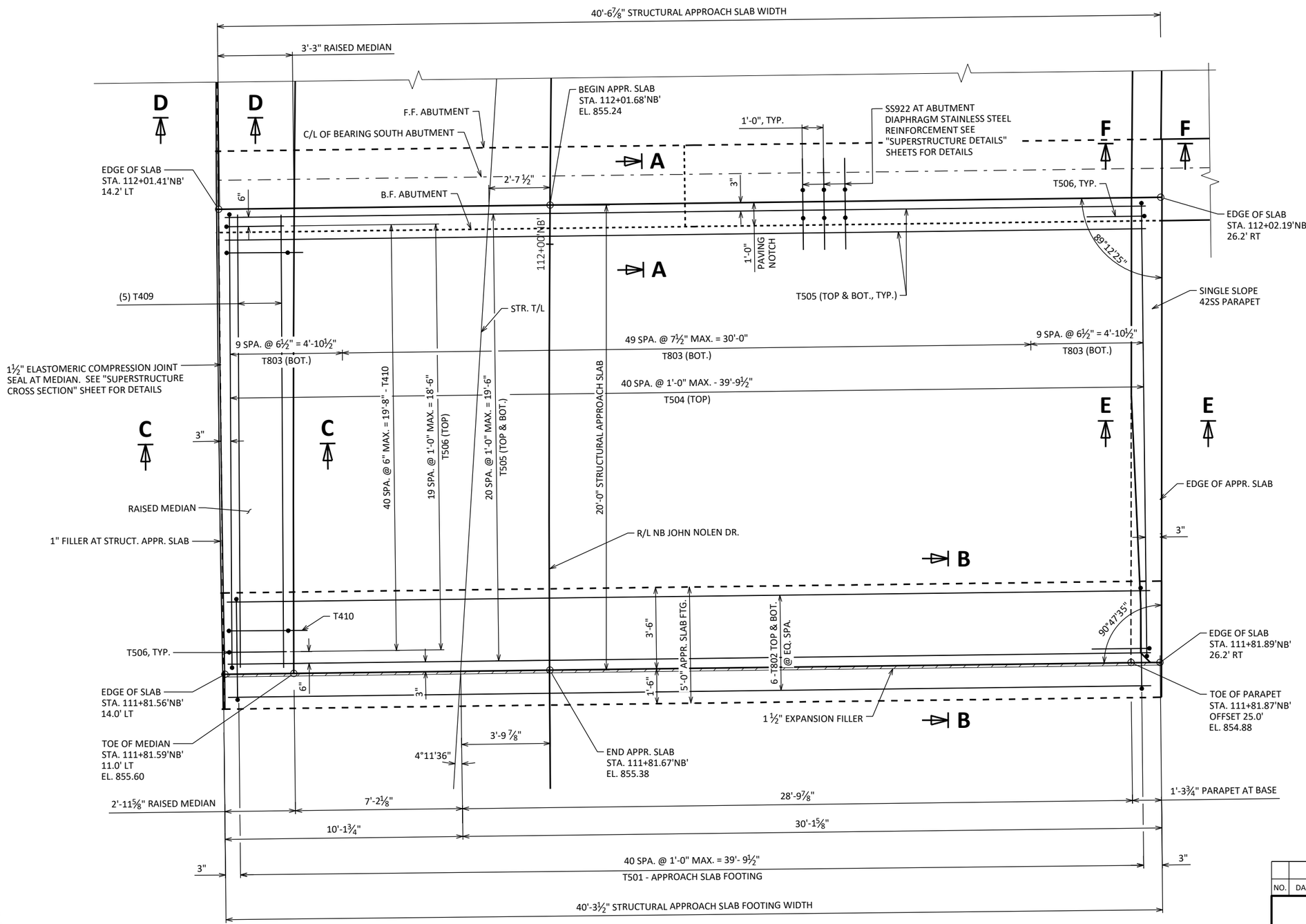
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080422_LS.DWG
LAYOUT NAME - LIGHT STANDARD DETAILS

STATE PROJECT NUMBER

5992-11-26



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

SOUTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY KLK | PLANS CK'D CDH

SOUTH STRUCTURAL APPROACH SLAB

SHEET 24
1160

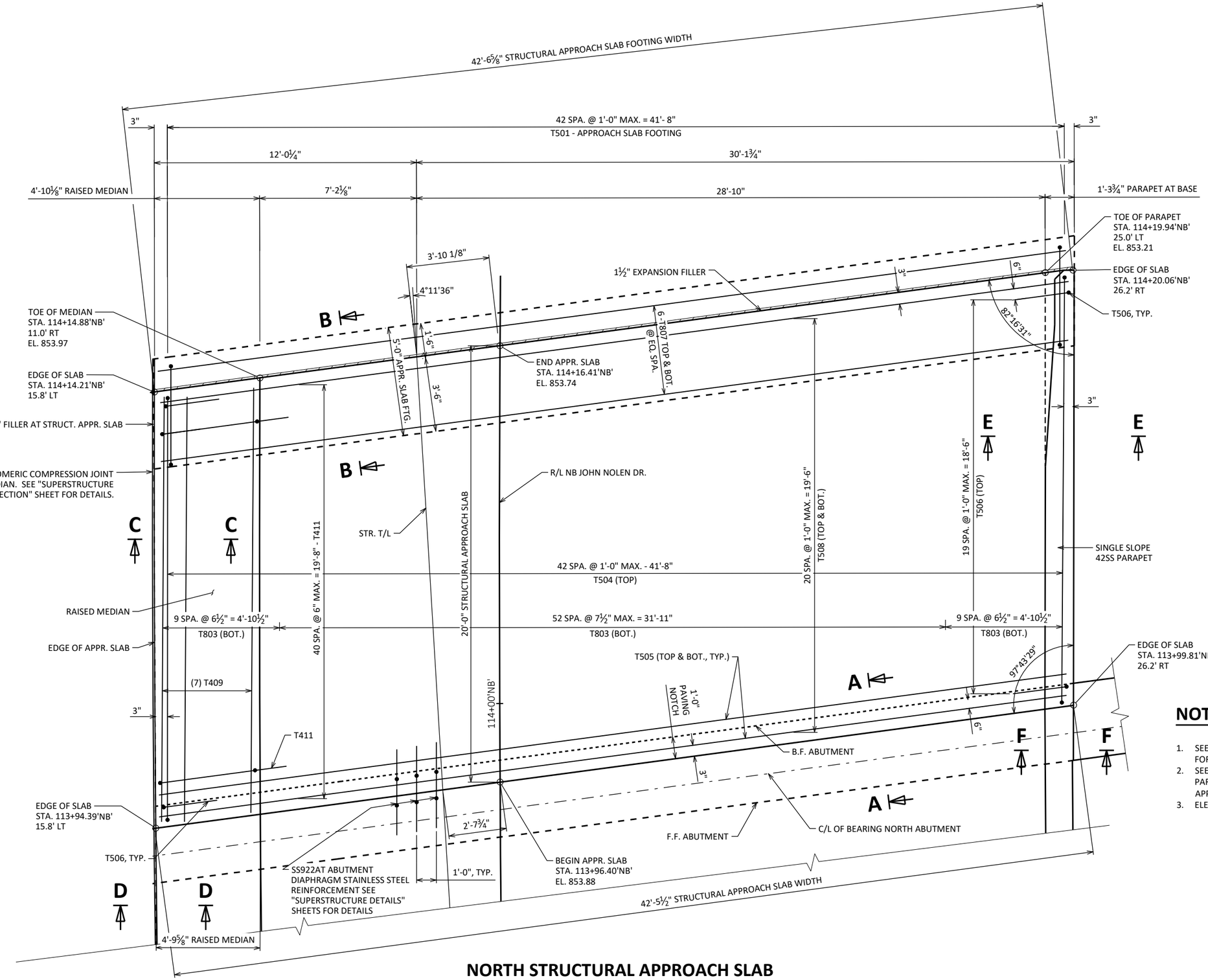
SCALE = 6.0

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STATE PROJECT NUMBER

5992-11-26



NOTES

1. SEE "STRUCTURAL APPR. SLAB DETAILS & BILL OF BARS" SHEET FOR SECTIONS.
2. SEE "SINGLE SLOPE PARAPET 42SS DETAILS" SHEET FOR PARAPET REINFORCING AND PLACEMENT REQUIRED IN THE APPROACH SLABS.
3. ELEVATIONS SHOWN AT TOP OF APPROACH SLAB.

NORTH STRUCTURAL APPROACH SLAB

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY KLK | PLANS CK'D CDH

NORTH STRUCTURAL APPROACH SLAB

SHEET 25
1161

SCALE = 6.0

8

8

STATE PROJECT NUMBER

5992-11-26

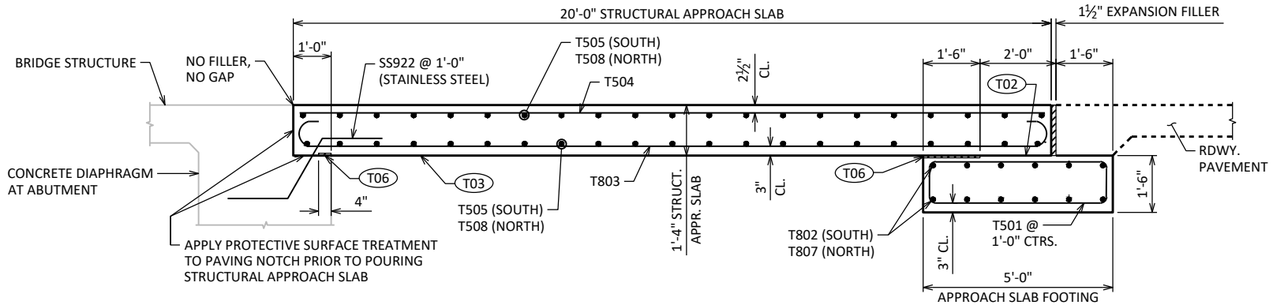
LEGEND

(T01) SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

(T06) ¾" PREFORMED JOINT FILLER ACCORDING TO STD. SPEC 502.2.7. 4" WIDE X PAVING NOTCH LENGTH AT PAVING NOTCH, 1'-6" WIDE X FTG. LENGTH AT APPROACH SLAB FOOTING.



SECTION A-A **SECTION B-B**

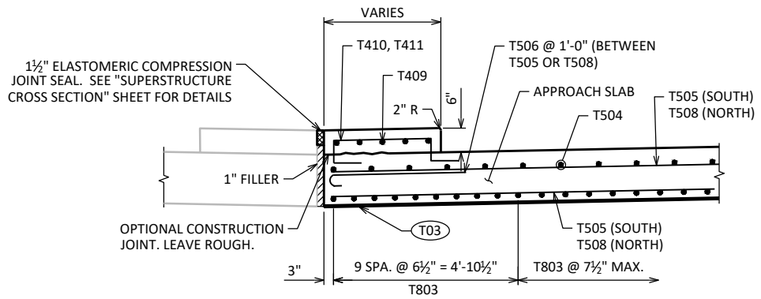
SECTION THRU STRUCTURAL APPROACH SLAB

BILL OF BARS

TOTAL COATED = 17,830 LBS

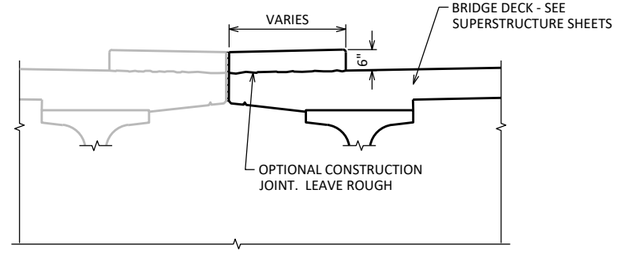
BAR MARK	COAT	SOUTH APPR.	NORTH APPR.	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	41	43	12'-2"	X		APPROACH SLAB - FTG. - STIRRUP
T802	X	12	0	40'-0"			APPROACH SLAB - FTG. - TRANS. SOUTH
T803	X	68	71	21'-6"	X		APPROACH SLAB - LONG. - BOT.
T504	X	41	43	19'-8"			APPROACH SLAB - LONG. - TOP
T505	X	42	0	40'-0"			APPROACH SLAB - TRANS. - TOP & BOT. SOUTH
T506	X	40	40	4'-1"	X		APPROACH SLAB - TOP - EDGE OF SLAB
T807	X	0	12	42'-0"			APPROACH SLAB - FTG. - TRANS. NORTH
T508	X	0	42	42'-0"			APPROACH SLAB - TRANS. - TOP & BOT. NORTH
T409	X	5	7	19'-8"			RAISED MEDIAN - HORIZ.
T410	X	41	0	7'-2"	X		RAISED MEDIAN - VERT. SOUTH
T411	X	0	41	5'-3"	X		RAISED MEDIAN - VERT. NORTH

FOR BOTH STRUCTURAL APPROACH SLABS COMBINED.



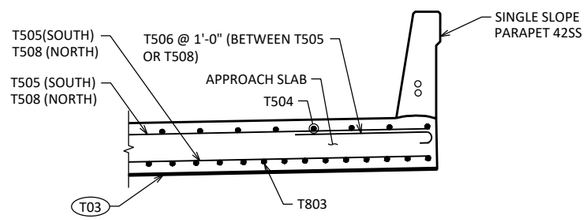
SECTION C-C

SECTION AT RAISED MEDIAN



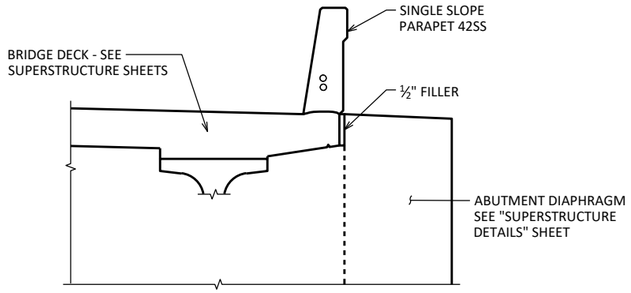
SECTION D-D

SECTION AT WEST RAISED MEDIAN



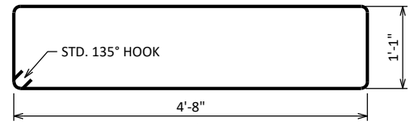
SECTION E-E

SECTION AT EAST EDGE

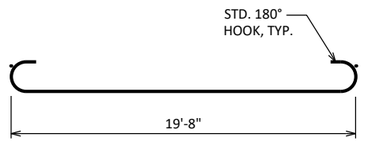


SECTION F-F

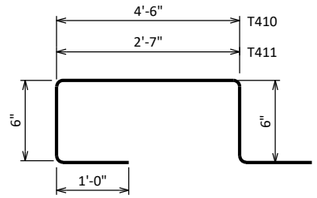
SECTION AT EAST END OF DECK



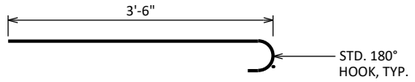
T501



T803



T410, T411



T506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D CDH

STRUCTURAL APPR. SLAB DETAILS

SHEET 26
1162

SCALE = 1.0

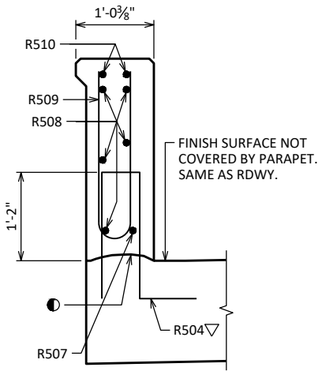
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8

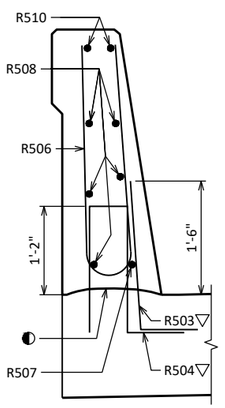
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

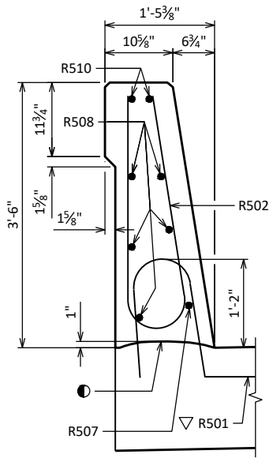
5992-11-26



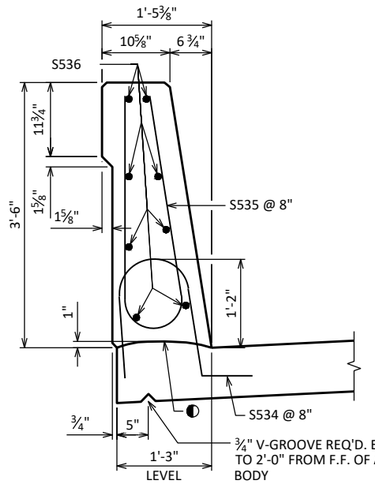
SECTION A-A



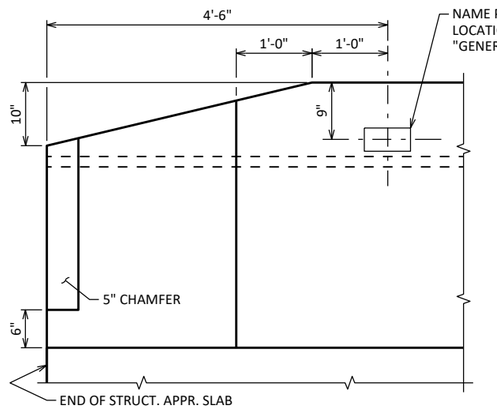
SECTION B-B



SECTION C-C



SECTION THRU PARAPET ON DECK



PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET

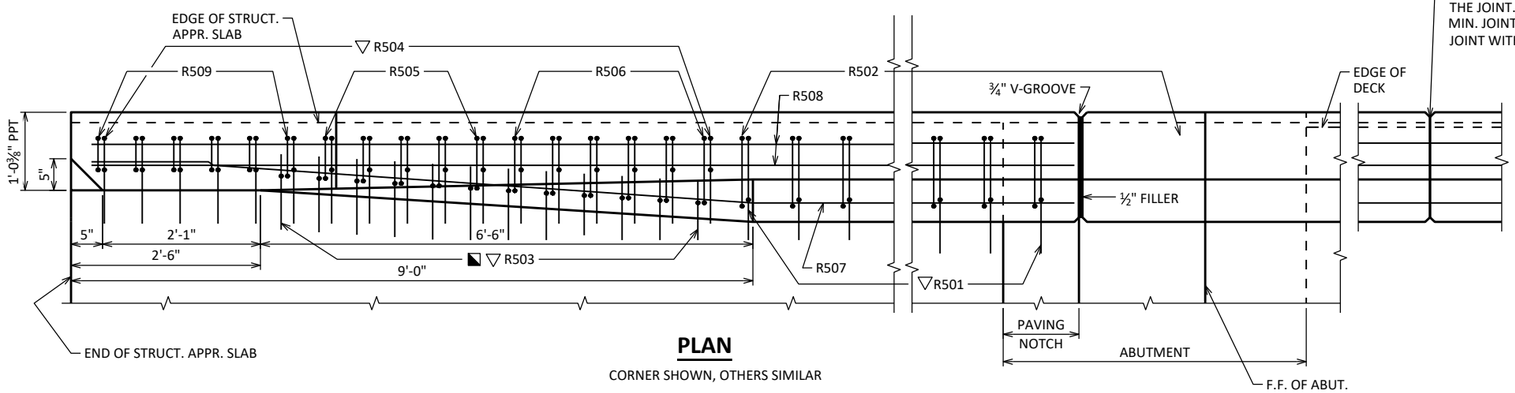
BILL OF BARS

TOTAL COATED = 1,180 LBS.

FOR STRUCTURAL APPOACH SLAB PARAPETS

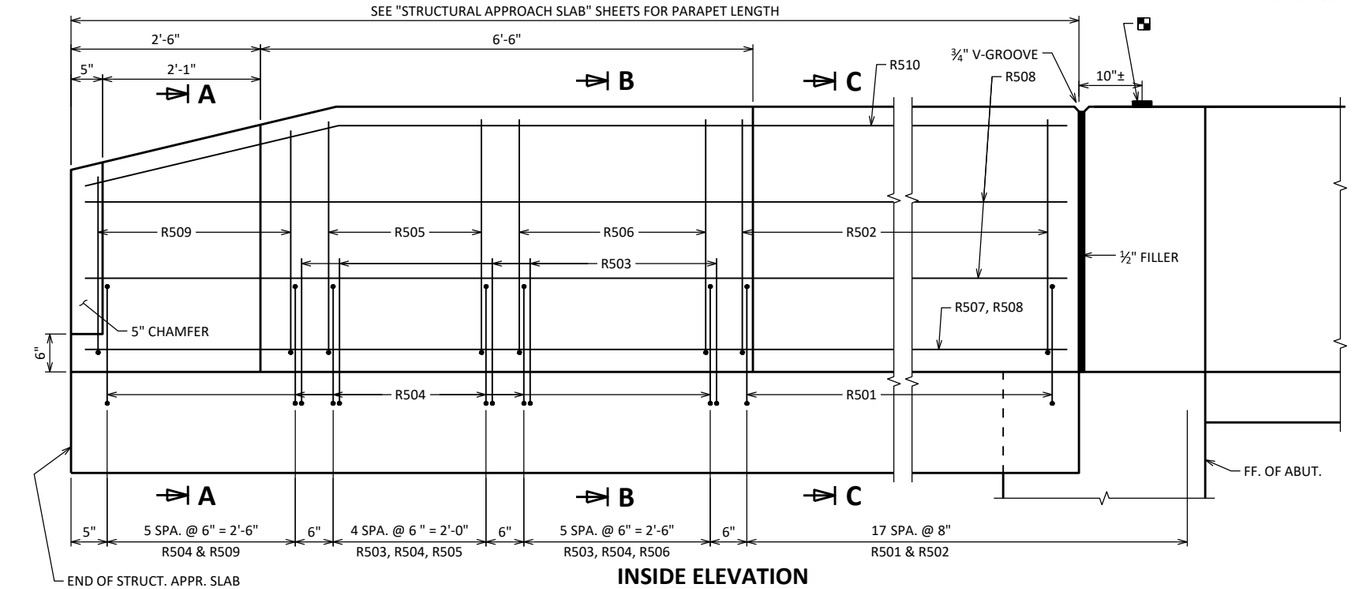
BAR MARK	COAT	SUB1	SUB2	LENGTH	BENT	BAR SERIES	LOCATION
R501	X	18	18	4'-5"	X		PARAPET VERT.
R502	X	18	18	6'-8"	X		PARAPET VERT.
R503	X	11	11	2'-9"	X		PARAPET VERT.
R504	X	17	17	4'-4"	X		PARAPET VERT.
R505	X	5	5	6'-5"	X		PARAPET VERT.
R506	X	6	6	6'-6"	X		PARAPET VERT.
R507	X	1	1	19'-8"	X		PARAPET HORIZ.
R508	X	5	5	19'-8"			PARAPET HORIZ.
R509	X	6	6	5'-5"	X	⚠	PARAPET VERT.
R510	X	2	2	19'-8"	X		PARAPET HORIZ.

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



PLAN

CORNER SHOWN, OTHERS SIMILAR



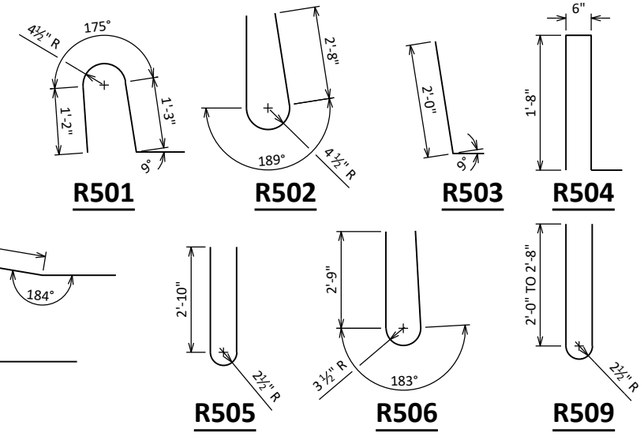
INSIDE ELEVATION

CORNER SHOWN, OTHERS SIMILAR
STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
R509	2 SERIES OF 6	4'-9" TO 6'-1"



BENCH MARK CAP (WHEN SUPPLIED). AVOID PLACING A BENCH MARK CAP BELOW A RAIL OR FENCE SYSTEM THAT IS ATTACHED TO THE TOP OF THE PARAPET.

LEGEND

- ◐ CONST. JOINT - STRIKE OFF AS SHOWN
- ◪ USE CARE TO PLACE R503 BARS CORRECTLY ALONG TRANSITION OF PARAPET.
- ▽ R501, R503, AND R504 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D CDH

SINGLE SLOPE PARAPET 42SS DETAILS

SHEET 27
1163

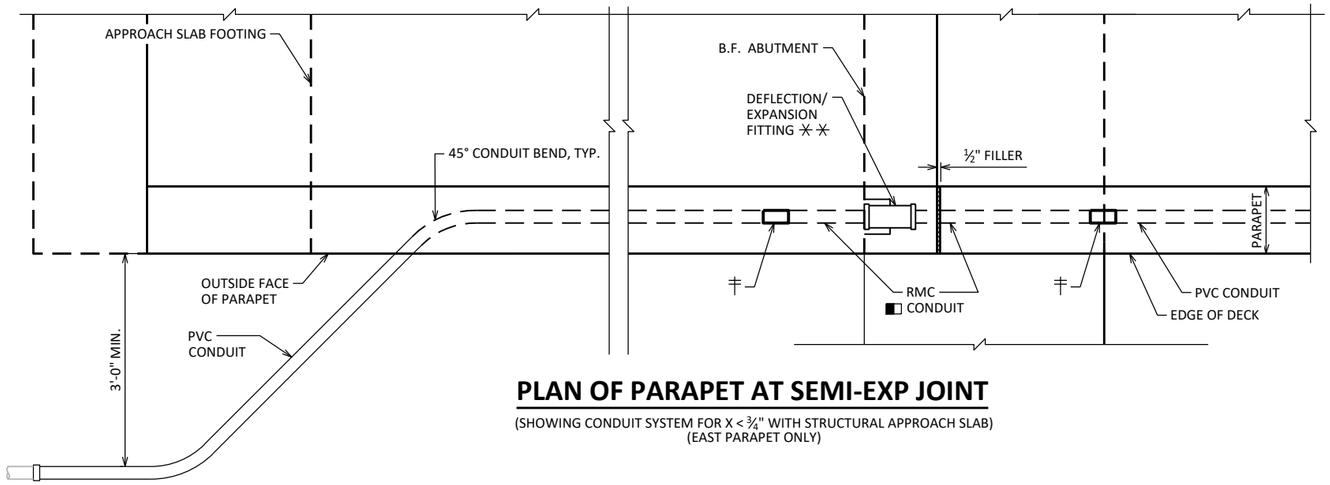
SCALE = 1.0

8

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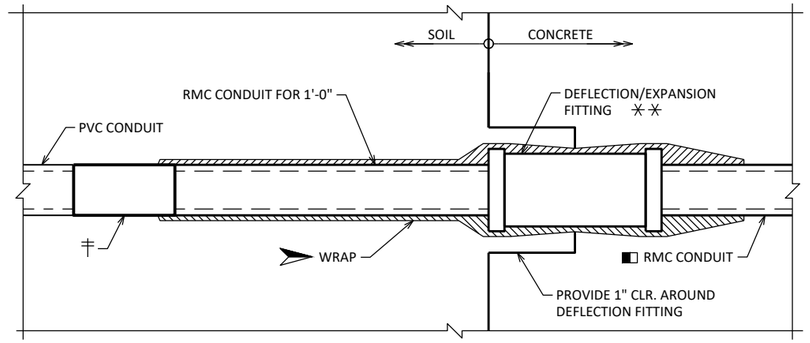
STATE PROJECT NUMBER

5992-11-26



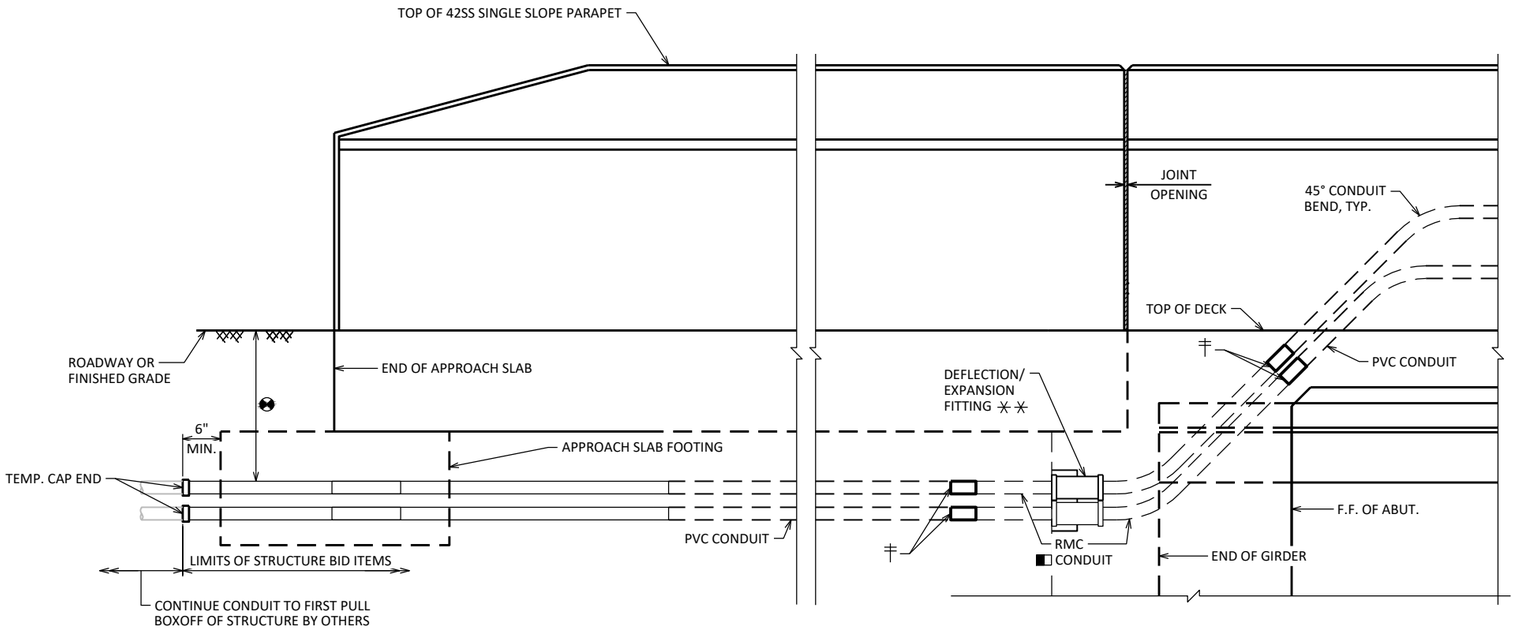
PLAN OF PARAPET AT SEMI-EXP JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(EAST PARAPET ONLY)



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY
(CONCRETE TO SOIL FITTING)



OUTSIDE ELEVATION OF PARAPET AT SEMI-EXP. JOINT

(SHOWING CONDUIT SYSTEM FOR X < ¾" WITH STRUCTURAL APPROACH SLAB)
(SE END SHOWN, NE END SIMILAR)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON EACH SIDE OF JOINT OPENINGS UNLESS NOTED OTHERWISE.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- POSITION MOVABLE END OF CONDUIT INSIDE EXPANSION FITTING, SUCH THAT IT WILL HAVE THE SAME ALLOWANCE FOR MOVEMENT (EXPANSION/CONTRACTION) AS THE EXPANSION DEVICE SET IN PLACE IN THE DECK BELOW IT. TAKE CARE TO INSTALL EXPANSION FITTING AND CONDUIT EXACTLY PARALLEL TO BRIDGE MOVEMENT.
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- ✳✳ DEFLECTION/EXPANSION FITTING REQUIREMENTS
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

PVC = POLYVINYL CHLORIDE (RIGID NONMETALLIC) CONDUIT.

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

CONDUIT DETAILS

SHEET 28
1164

SCALE = 2.0

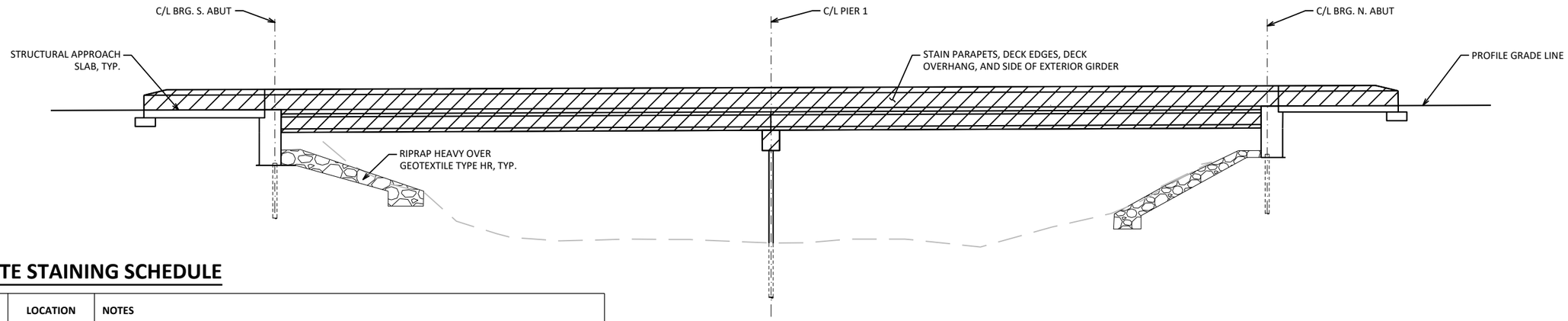
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-926\080427_CON.DWG
LAYOUT NAME - CONDUIT DETAILS

STATE PROJECT NUMBER

5992-11-26

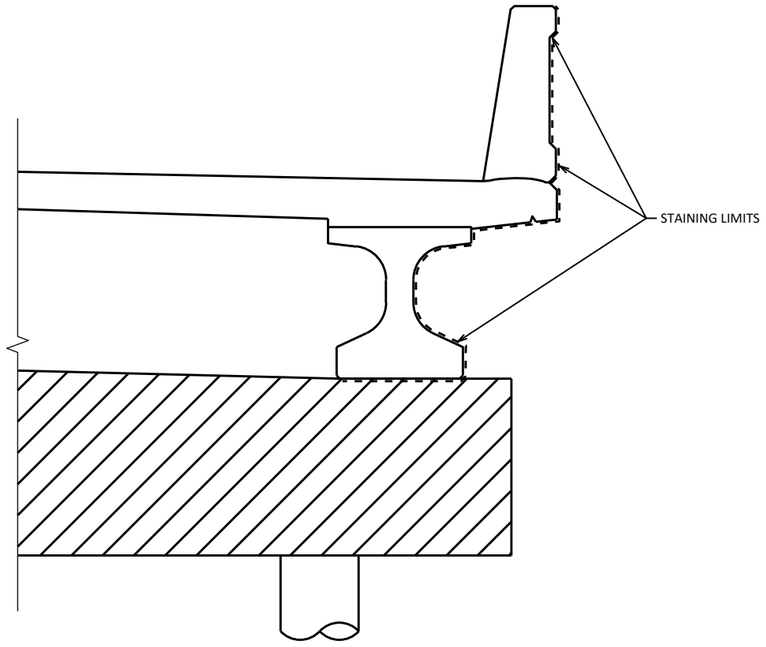


ELEVATION

(LOOKING WEST)

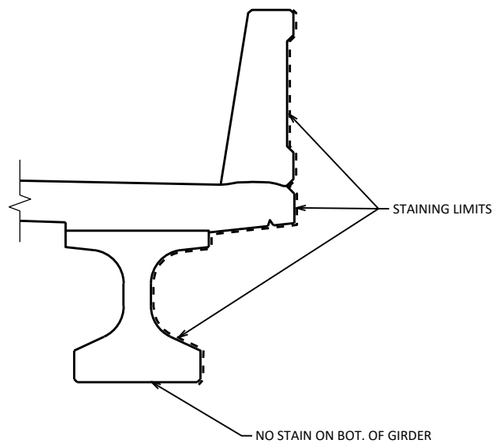
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	PARAPETS	EXTERIOR FACE ON EAST EDGE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE ON EAST EDGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM ENDS OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON EAST END
	PIERS	ALL VERTICAL FACES OF PIER CAP



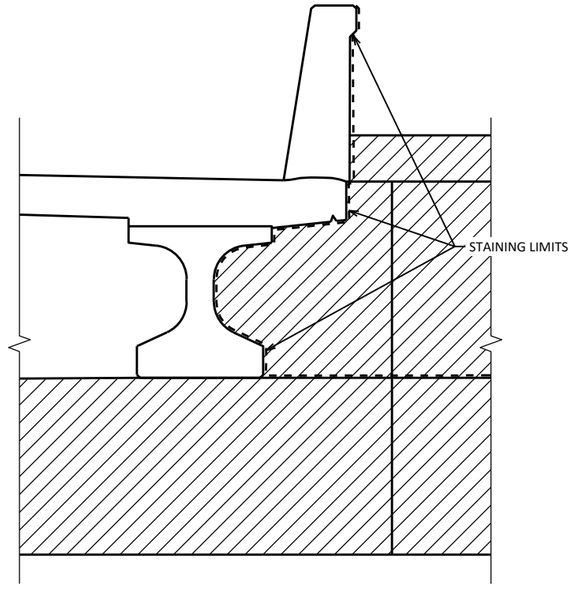
TYPICAL SECTION AT PIERS

STAIN VERTICAL FACES OF PIER CAP, EXTERIOR FACE OF PARAPETS, AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS



TYPICAL SECTION IN SPAN

STAIN BACK OF PARAPET, EDGE OF DECK, DECK OVERHANG AND SIDE OF EXTERIOR GIRDER (EAST PARAPET AND GIRDER ONLY)



PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, DIAPHRAGM, BACK FACE OF CURB, EXTERIOR FACE OF PARAPET AND EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY GWK | PLANS CK'D WAH

AESTHETIC DETAILS

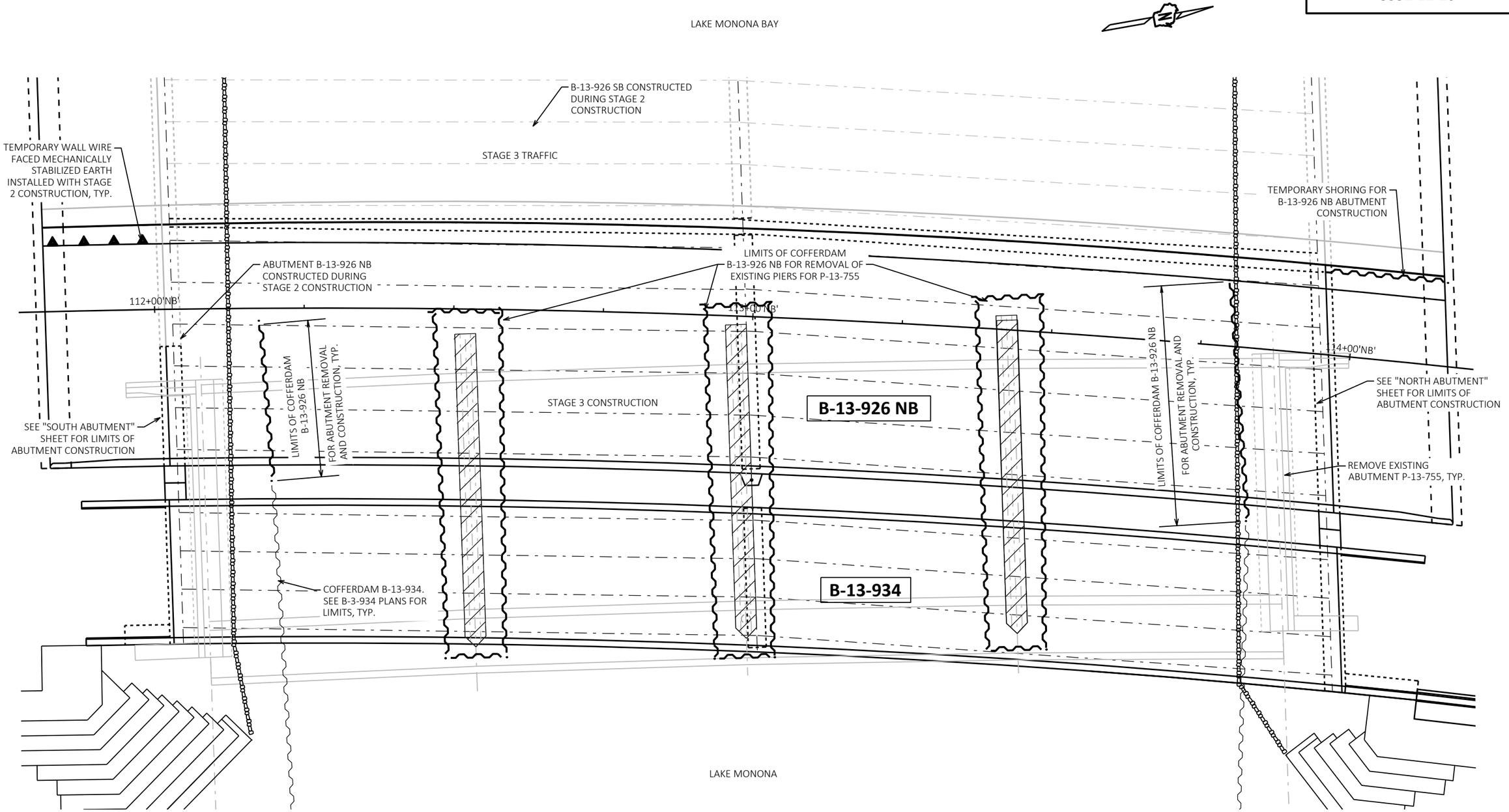
SHEET 29
1165

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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-26



PLAN

NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY.
FINAL LOCATION AND TYPE OF SHORING AND COFFERDAM SYSTEM TO BE DETERMINED BY THE CONTRACTOR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-926 NB

DRAWN BY STD | PLANS CK'D SKH

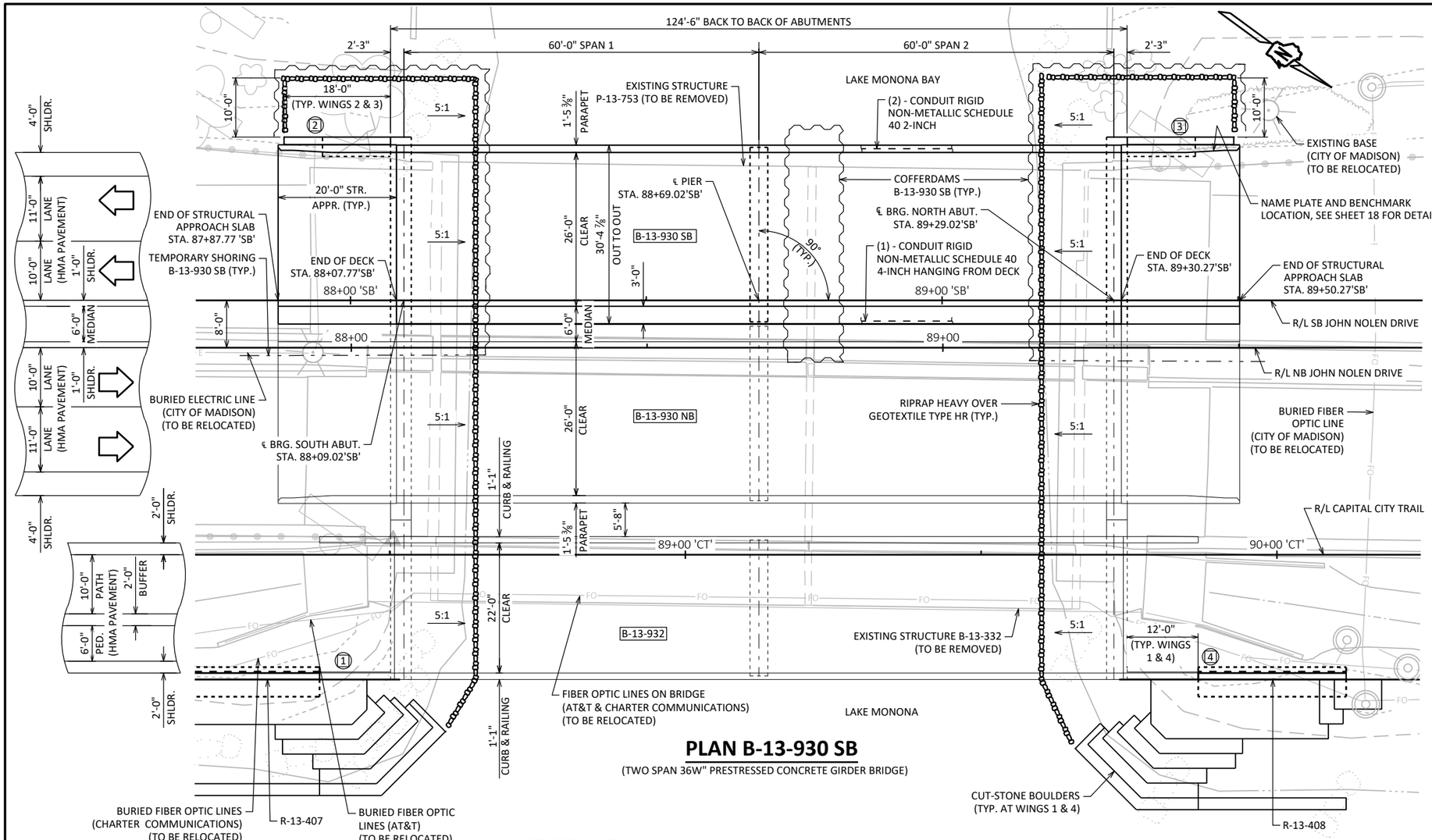
TEMPORARY SHORING & COFFERDAM DETAILS

SHEET 30
1166

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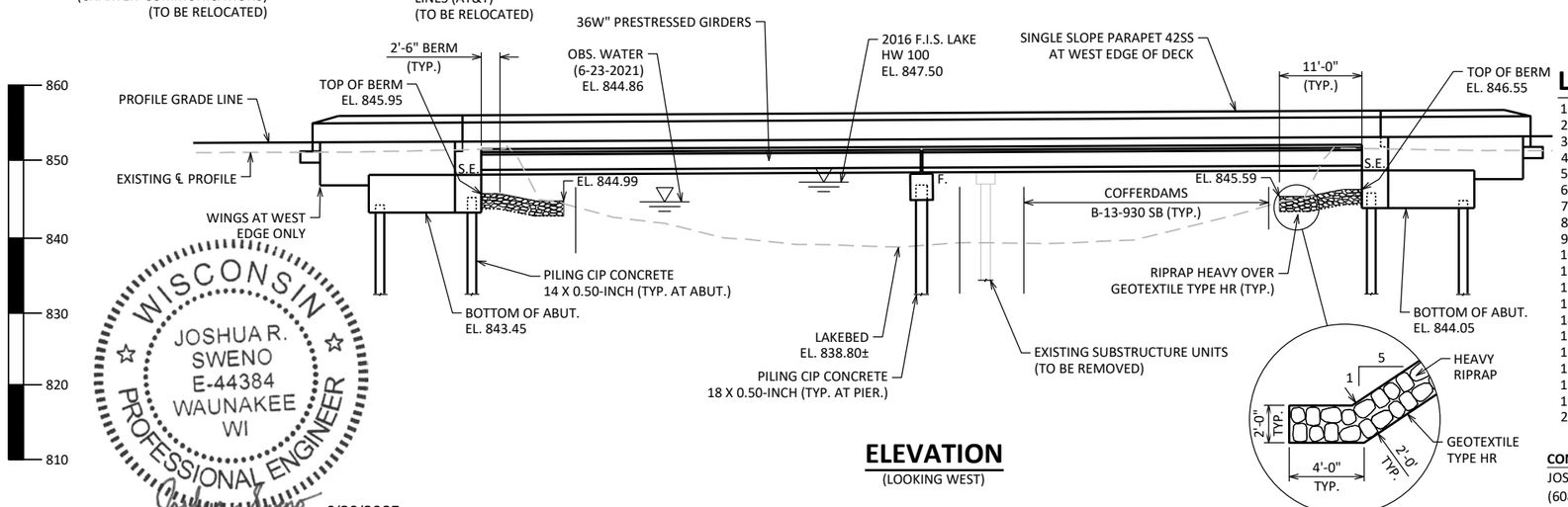
8

8



PLAN B-13-930 SB

(TWO SPAN 36W" PRESTRESSED CONCRETE GIRDER BRIDGE)



ELEVATION

(LOOKING WEST)

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER
6/30/2025

DESIGN DATA

STATE PROJECT NUMBER

5992-11-22

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.51
OPERATING RATING: RF = 1.95
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

RATINGS INCLUDE A 5 POUND PER SQUARE FOOT LOAD FOR THE POLYMER OVERLAY.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
GRADE 60 — f_y = 60,000 PSI
STAINLESS, GRADE 60 — f_y = 60,000 PSI

36W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'_c = 8,000 PSI
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 240 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 115'-0" LONG AT NORTH ABUTMENT BODY AND WING.
ESTIMATED 105'-0" LONG AT SOUTH ABUTMENT BODY AND WING.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 405 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 115'-0" LONG AT PIER.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= N/A
V_{100}= N/A
HW_{100}= EL. 847.50 (PER 2016 DANE COUNTY F.I.S.)
WATERWAY AREA = N/A
DRAINAGE AREA = N/A
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

10-YEAR FREQUENCY:

Q_{10}= N/A
V_{10}= N/A
HW_{10}= EL. 846.20 (PER 2016 DANE COUNTY F.I.S.)

⬡ INDICATES WING NUMBER

TRAFFIC VOLUME

JOHN NOLEN DRIVE
A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS:

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES
4. GENERAL NOTES & DETAILS
5. SUBSURFACE EXPLORATION
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT DETAILS
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. PIER
11. 36W" PRESTRESSED GIRDER DETAILS
12. 36W" PRESTRESSED GIRDER & DECK FORMING DETAILS
13. STEEL DIAPHRAGM
14. SUPERSTRUCTURE
15. SUPERSTRUCTURE SECTIONS & DETAILS
16. STRUCTURAL APPROACH SLAB
17. STRUCTURAL APPROACH SLAB DETAILS
18. SINGLE SLOPE PARAPET 42SS
19. ELECTRICAL DETAILS AT ABUTMENTS
20. AESTHETIC DETAILS

CONSULTANT DESIGN CONTACT:
JOSH SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET, MADISON WI 53704
(608) 242-7779 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED BMK 06/30/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-930 SB

JOHN NOLEN DRIVE SB OVER LAKE MONONA

COUNTY: DANE — ~~TOWN/CITY/VILLAGE~~: MADISON
DESIGN SPEC.: AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JDH	NRT	RLR/EKK	JDH

GENERAL PLAN

SHEET 1 OF 20
1167

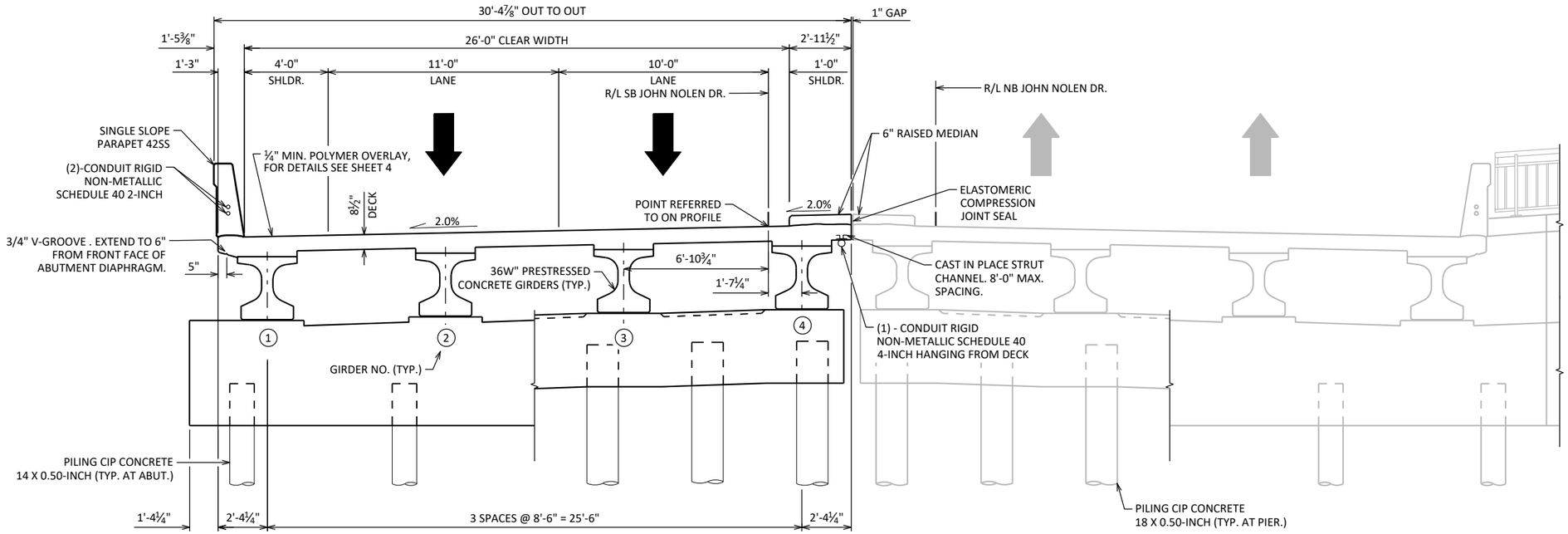
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STATE PROJECT NUMBER

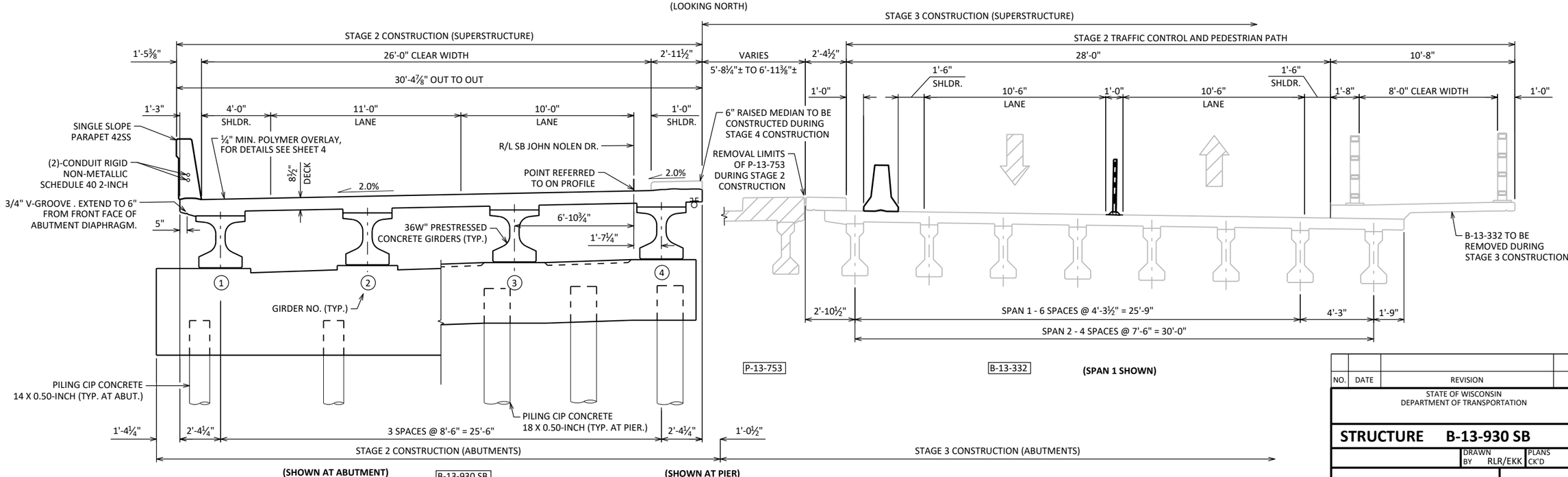
5992-11-22



(SHOWN AT ABUTMENT) B-13-930 SB (SHOWN AT PIER) B-13-930 NB (SHOWN AT ABUTMENT)

B-13-930 SB FINISHED SECTION

(LOOKING NORTH)



(SHOWN AT ABUTMENT) B-13-930 SB (SHOWN AT PIER) P-13-753 B-13-332 (SPAN 1 SHOWN)

B-13-930 SB STAGE 2 TRAFFIC CONTROL

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY RLR/EKK | PLANS CK'D JDH

CROSS SECTION

SHEET 2
1168

SCALE = 6

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1/20/2025 7:59 AM

STATE PROJECT NUMBER

5992-11-22

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	SOUTH STRUCT. APPR. SLAB	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH STRUCT. APPR. SLAB	SUPER	TOTAL
203.0260.06	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS P-13-753	EACH	-	-	-	-	-	-	1
206.1001.06	EXCAVATION FOR STRUCTURES BRIDGES B-13-930 SB	EACH	-	-	-	-	-	-	1
206.5001.06	COFFERDAMS B-13-930 SB	EACH	-	-	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	100	-	100	-	-	200
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	-	95	-	95	-	-	190
501.1000.S	ICE HOT WEATHER CONCRETING	LB	316	245	93	246	316	1,224	2,440
502.0100	CONCRETE MASONRY BRIDGES	CY	8.3	32.7	12.4	32.7	8.3	-	95
502.3200	PROTECTIVE SURFACE TREATMENT	SY	66	-	-	-	66	417	549
502.3210	PIGMENTED SURFACE SEALER	SY	11	-	-	-	11	61	83
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	42	-	-	-	42	490	574
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-	-	-	-	-	483	483
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	2,420	5,320	2,420	-	-	10,160
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	7,040	1,090	40	1,100	7,040	32,620	48,930
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	-	-	-	-	-	1,060	1,060
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	-	-	-	16	16
506.4000.06	STEEL DIAPHRAGMS B-13-930 SB	EACH	-	-	-	-	-	6	6
509.5100.S	POLYMER OVERLAY	SY	-	-	-	-	-	354	354
511.1200.06	TEMPORARY SHORING B-13-930 SB	SF	-	367	-	367	-	-	734
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	8	-	8	-	-	16
517.1010.S.06	CONCRETE STAINING B-13-930 SB	SF	70	194	245	194	70	914	1,687
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	-	630	-	690	-	-	1,320
606.0300	RIPRAP HEAVY	CY	-	55	-	55	-	-	110
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	65	-	65	-	-	130
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	37	-	37	-	-	74
645.0120	GEOTEXTILE TYPE HR	SY	-	100	-	100	-	-	200
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	2	-	-	-	2	12	16
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	46	-	-	-	46	247	339
SPV.0035.201	HPC MASONRY STRUCTURES	CY	33.8	-	-	-	33.8	163.2	231
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	-	-	-	-	-	16	16
SPV.0090.201	PILING CIP CONCRETE 18 X 0.50-INCH	LF	-	-	805	-	-	-	805
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	523	-	-	-	523	3,185	4,231
	NON-BID ITEMS								
	FILLER	SIZE	--	--	--	--	--	--	½", ¾", 1 ½"
	NAME PLATE								

ALL BID ITEMS SHOWN ARE IN CATEGORY 0010.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

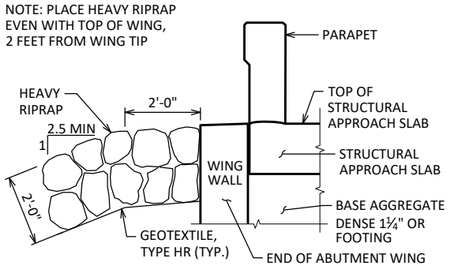
STRUCTURE B-13-930 SB

DRAWN BY RLR/EKK | PLANS CK'D JDH

QUANTITIES

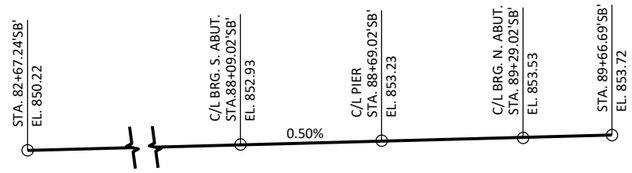
SHEET 3
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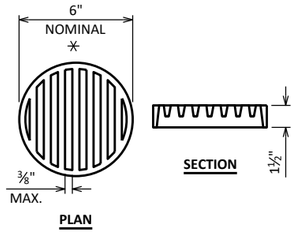


TYPICAL FILL SECTION AT WING TIPS

(TYPICAL AT WINGS 2 AND 3)



PROFILE GRADE LINE - JND SB

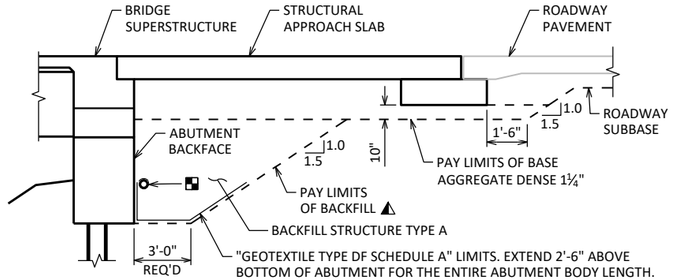


RODENT SHIELD DETAIL

⚹ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

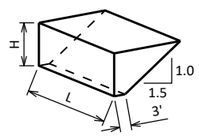
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



TYPICAL SECTION THRU ABUTMENT

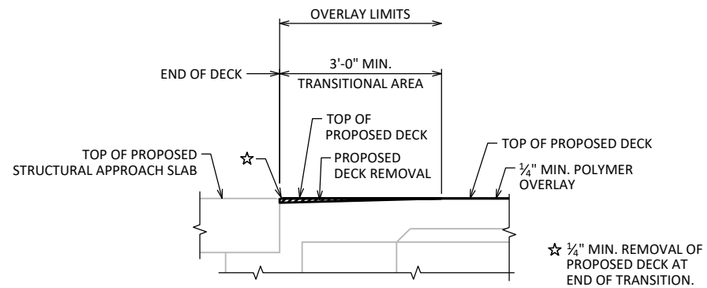
⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS ELEVATIONS ARE BASED ON GEOID 12B.

LOCATION OF UTILITIES SHOWN ON PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES IN THE AREA THAT ARE NOT SHOWN.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-930 SB" SHALL BE THE EXISTING GROUNDLINE.

THE EXISTING LAKEBED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR THE PIER.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-6" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES, TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS, AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE RAISED MEDIAN.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE INSIDE FACES, THE TOP FACES, AND THE ENDS OF THE PARAPET.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIAN ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- PARAPET ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 12.

THIS STRUCTURE WILL REPLACE THE EXISTING STRUCTURE, P-13-753, A 108.8 FT LONG, TWO SPAN PRESTRESSED CONCRETE GIRDER BRIDGE ON ON FULL RETAINING CONCRETE ABUTMENTS AND ON PILE ENCASED CONTINUOUS CONCRETE PIERS, CONTINUOUS WITH THE ADJACENT STRUCTURE B-13-332. THE STRUCTURE HAS A 34.6 FT OUT TO OUT WIDTH. ORIGINAL PLANS ARE AVAILABLE THROUGH THE WISCONSIN DEPARTMENT OF TRANSPORTATION HSI DATABASE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-930 SB".

AT ABUTMENTS CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREA ARE INCLUDED IN THE BID ITEM " POLYMER OVERLAY" AND IS TO BE PLACED DURING CONSTRUCTION STAGE 4 FOR B-13-930 SB.

LONGITUDINAL GROOVING BRIDGE DECK SHALL BE APPLIED TO THE TRAFFIC LANES AND SHOULDERS OF THE BRIDGE DECK AND THE STRUCTURAL APPROACH SLABS.

SEE LIGHTING PLAN FOR CONDUIT RIGID NON-METALLIC SCHEDULE 40 4-INCH HANGING FROM DECK.

EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED AT 8'-0" MAX. SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.

STATE PROJECT NUMBER

5992-11-22

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY RLR/EKK | PLANS CK'D JDH

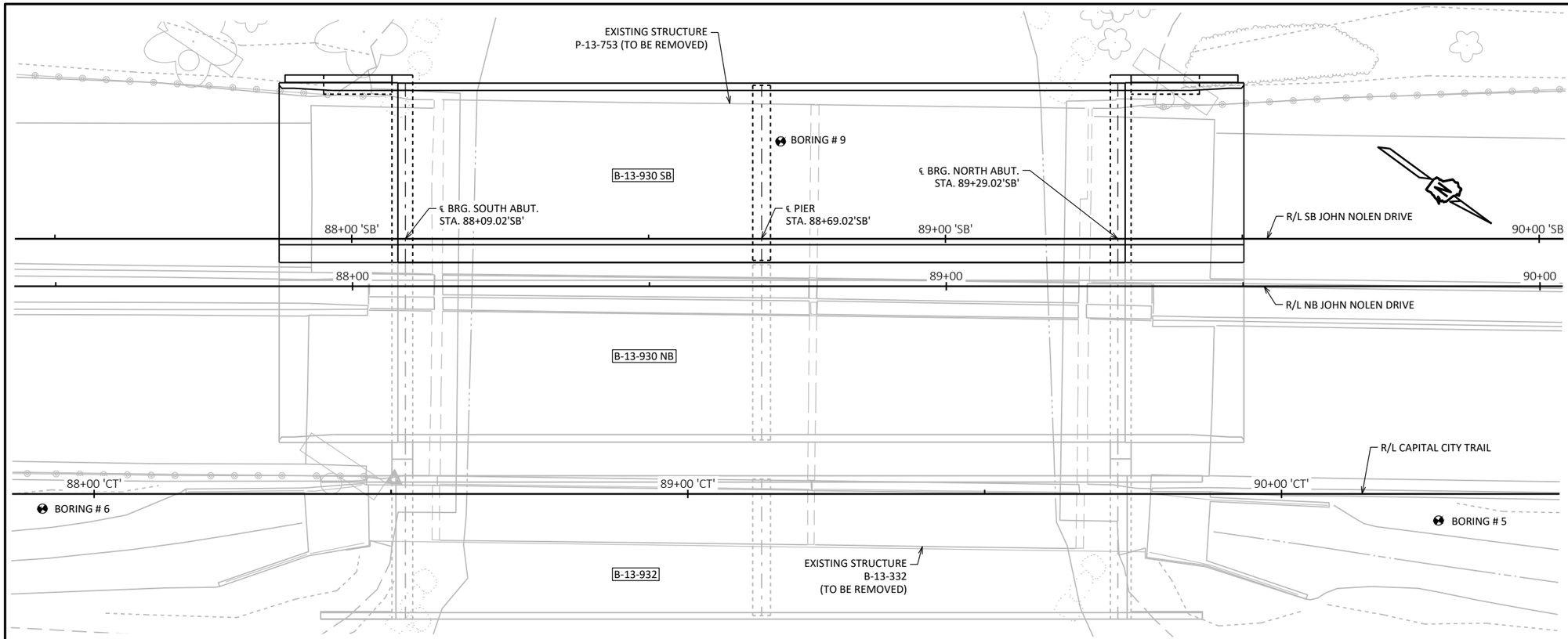
GENERAL NOTES & DETAILS

SHEET 4
1170

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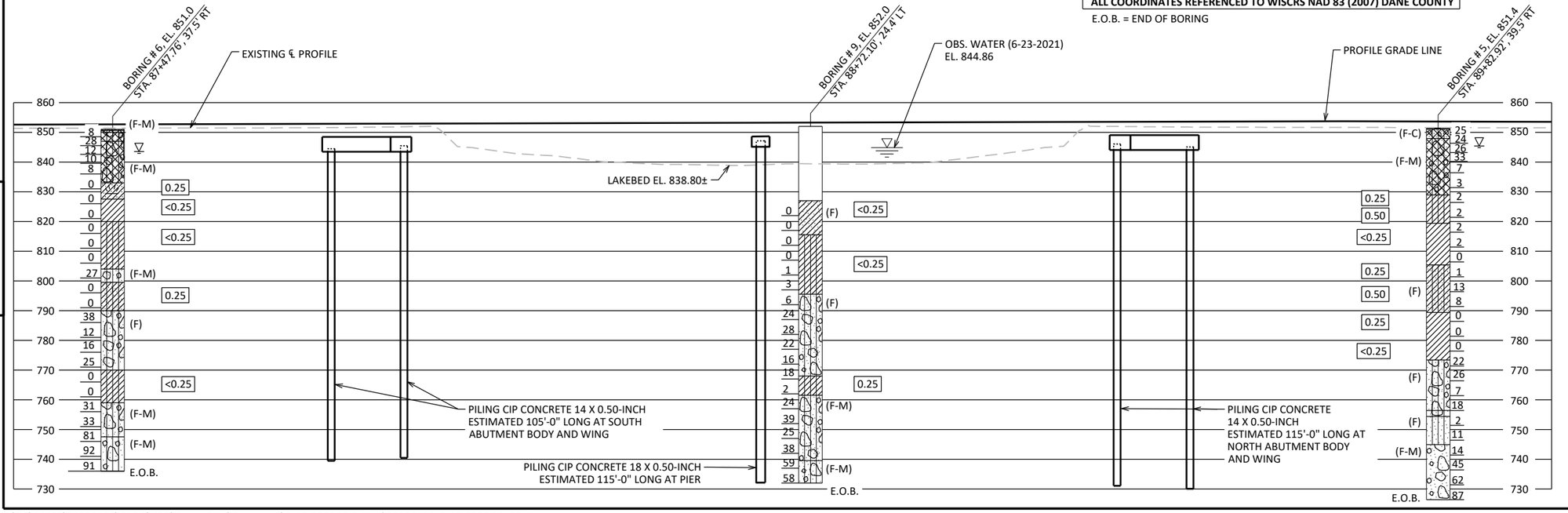
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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4-26-2023	477,592.58	820,750.16
6	4-24-2023	477,396.22	820,879.57
9	6-07-2023	477,464.95	820,758.88
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (2007) DANE COUNTY			

E.O.B. = END OF BORING



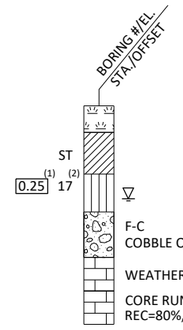
STATE PROJECT NUMBER

5992-11-22

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY RLR/EKK | PLANS CK'D JDH

SUBSURFACE EXPLORATION

SHEET 5
1171

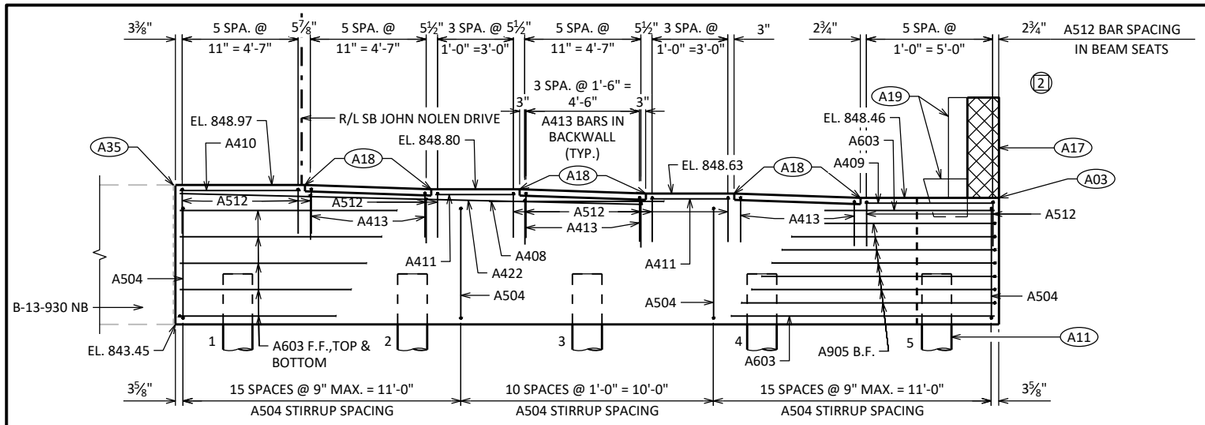
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8

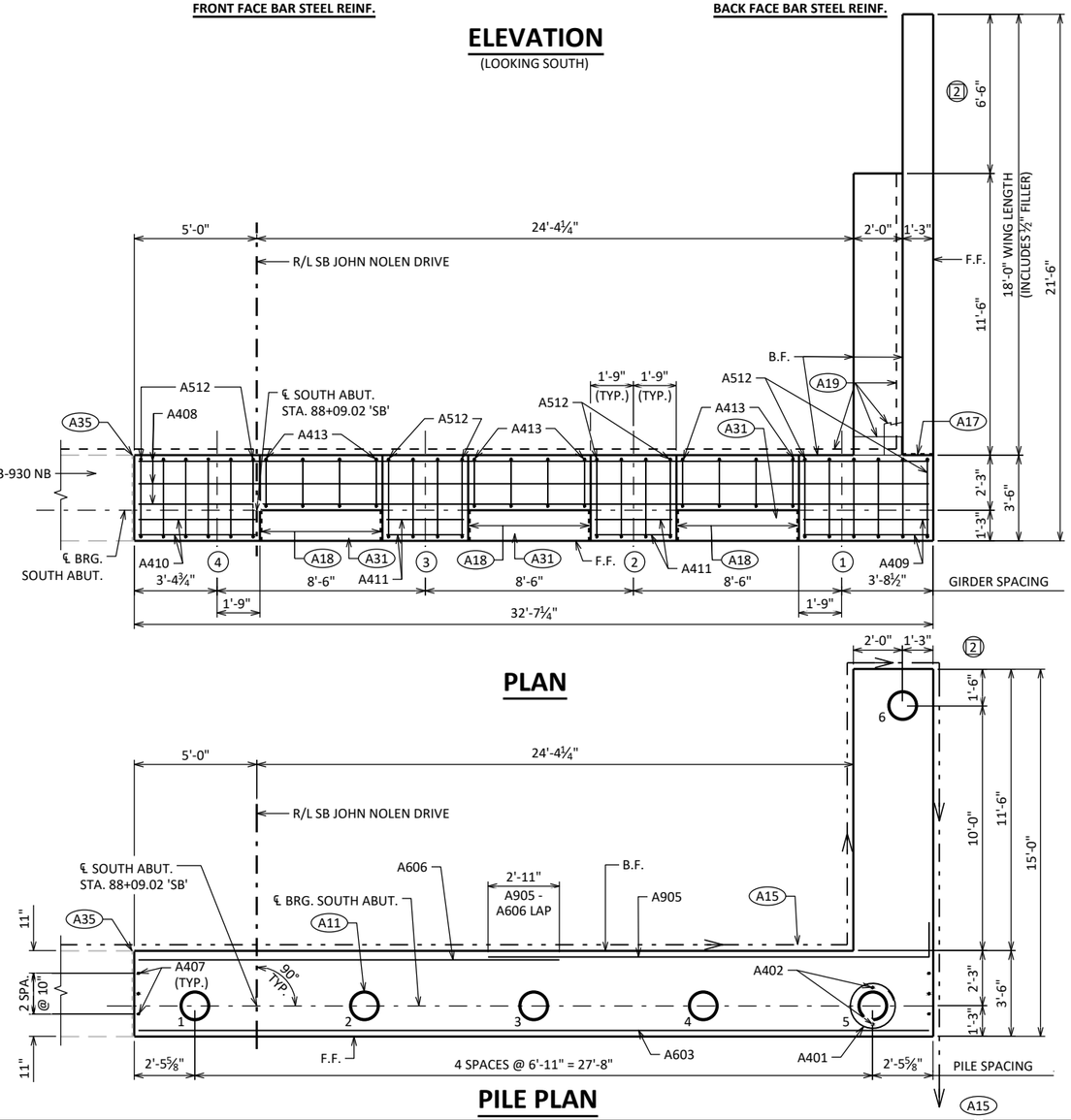
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3/10/2025 7:50 AM



FRONT FACE BAR STEEL REINF. **BACK FACE BAR STEEL REINF.**

ELEVATION
(LOOKING SOUTH)



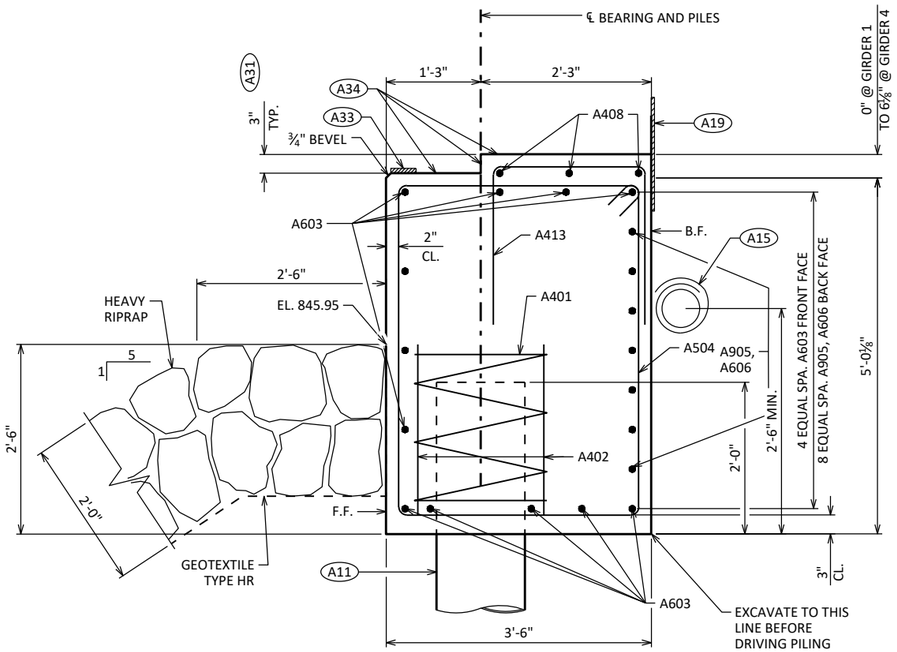
PLAN

PILE PLAN

FOR WING ELEVATIONS AND DETAILS SEE SHEET 7.

BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.

STATE PROJECT NUMBER
5992-11-22



TYPICAL SECTION THRU ABUTMENT

LEGEND

⬡ - INDICATES WING NUMBER. ◯ - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A11) SUPPORT ABUTMENT ON PILING CIP CONCRETE 14 X 0.50-INCH, ESTIMATED 105'-0" LONG AT THE SOUTH ABUTMENT BODY AND WING WITH A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

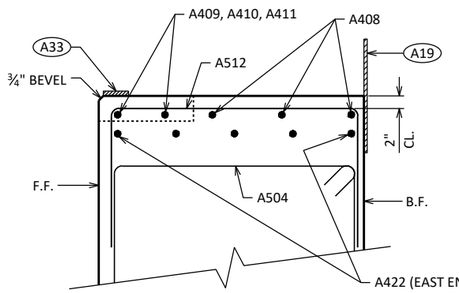
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A31) SEMI-EXPANSION POCKET. CONSTRUCT 3" DEEPER THAN SURROUNDING BEAM SEATS AND BACKWALL.

(A33) 4" X ½" PREFORMED JOINT FILLER, EXTEND FULL LENGTH OF ABUTMENT.

(A34) STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03 INCHES.

(A35) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB ABUTMENTS. 1" FILLER, EXTEND AS SHOWN BETWEEN ABUTMENTS. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). 1" FILLER THICKNESS INCLUDED IN B-13-930 NB ABUTMENT LENGTHS.



TOP OF ABUTMENT @ BEARING SEATS

SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY DS | PLANS CK'D JDH

SOUTH ABUTMENT

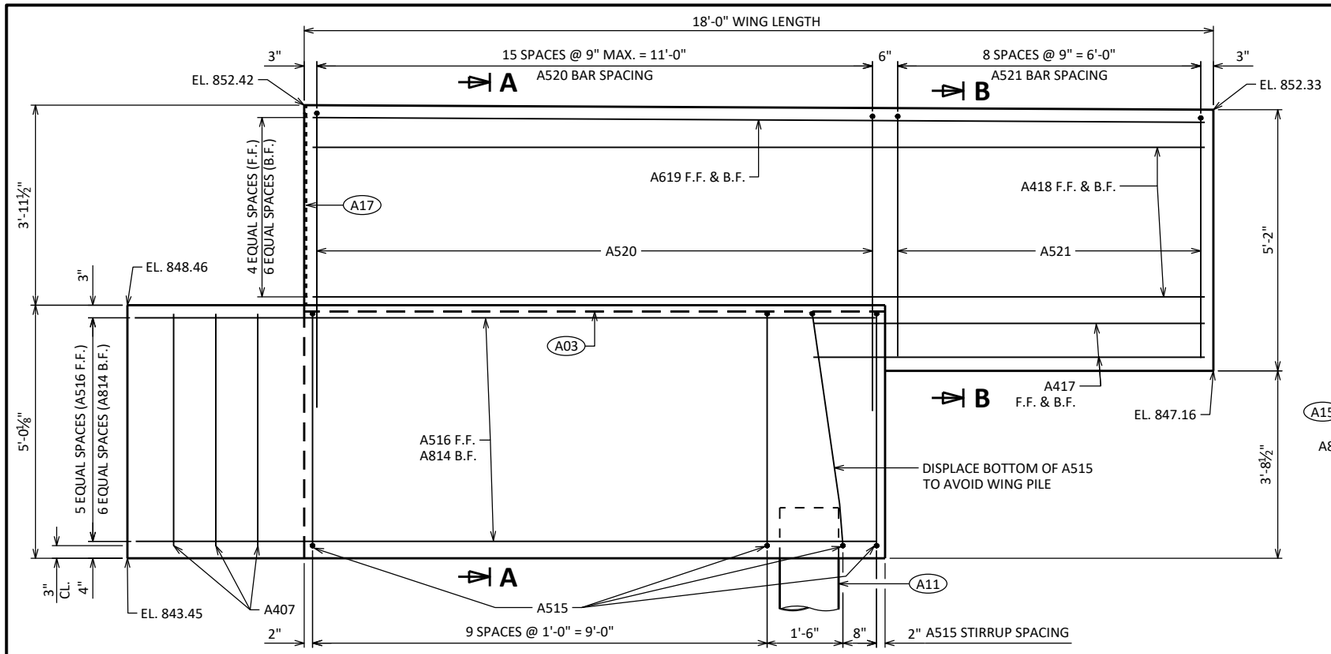
SHEET 6
1172

8

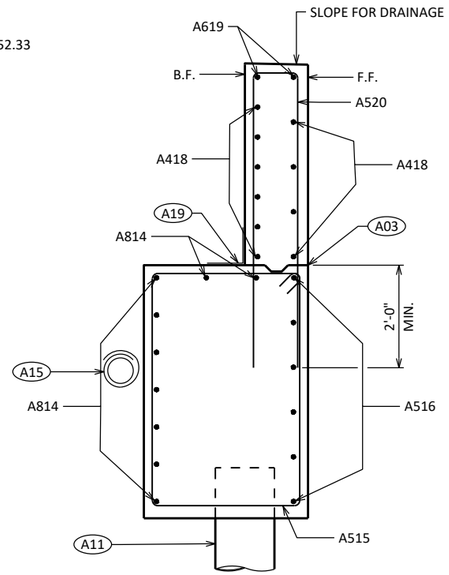
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STATE PROJECT NUMBER

5992-11-22



ELEVATION - WING 2

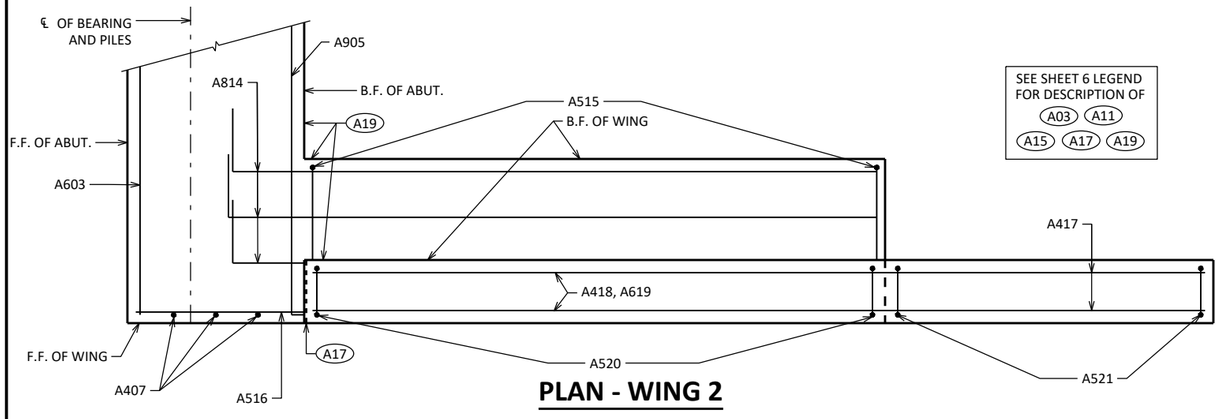


SECTION A-A THRU WING 2

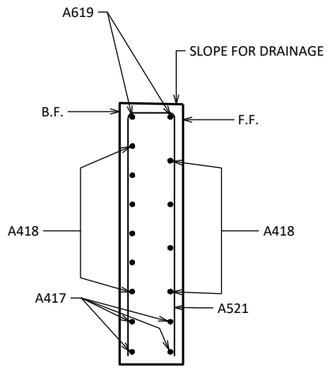
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

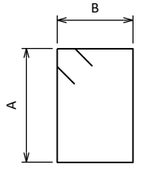
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		5	28'-0"	X		AT BODY PILES - 1 PER PILE 5 SPIRAL WRAPS
A402		10	2'-3"			AT BODY PILES - 2 PER PILE - VERT.
A603		12	32'-3"			ABUT. BODY - F.F., TOP & BOTTOM - HORIZ.
A504		41	15'-8"	X		ABUT. BODY - STIRRUPS - VERT.
A905		7	19'-2"	X		ABUT. BODY - B.F. - HORIZ.
A606		7	17'-3"			ABUT. BODY - B.F. - HORIZ.
A407		6	4'-7"			ABUT. BODY - ENDS - VERT.
A408		3	32'-3"			ABUT. TOP - B.F. SEMI-EXP. POCKET - HORIZ.
A409		2	5'-1"			ABUT. TOP - F.F. - GIRDER 1 - HORIZ.
A410		2	4'-9"			ABUT. TOP - F.F. - GIRDER 4 - HORIZ.
A411		4	3'-2"			ABUT. TOP - F.F. - GIRDERS 2 & 3 - HORIZ.
A512		32	6'-5"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
A413		12	5'-3"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
A814	X	9	13'-1"	X		WING - BOTTOM - B.F. & TOP - HORIZ.
A515	X	12	15'-8"	X		WING - BOTTOM - STIRRUP - VERT.
A516	X	6	14'-8"			WING - BOTTOM - F.F. - HORIZ.
A417	X	4	7'-9"			WING - BOT EXTENSION - F.F. & B.F. - HORIZ.
A418	X	10	17'-7"			WING - TOP - F.F. & B.F. - HORIZ.
A619	X	2	17'-7"			WING - TOP - F.F. & B.F. - HORIZ.
A520	X	16	12'-4"	X		WING - TOP - TIES - VERT.
A521	X	9	10'-2"	X		WING - TOP EXTENSION - TIES - VERT.
A422		5	18'-6"			ABUT. BODY TOP - HORIZ.



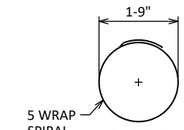
PLAN - WING 2



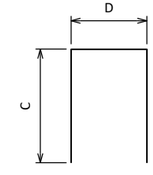
SECTION B-B THRU WING 2



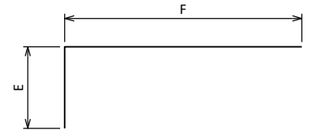
MARK	A	B
A504	4'-4"	3'-2"
A515	4'-7"	2'-11"



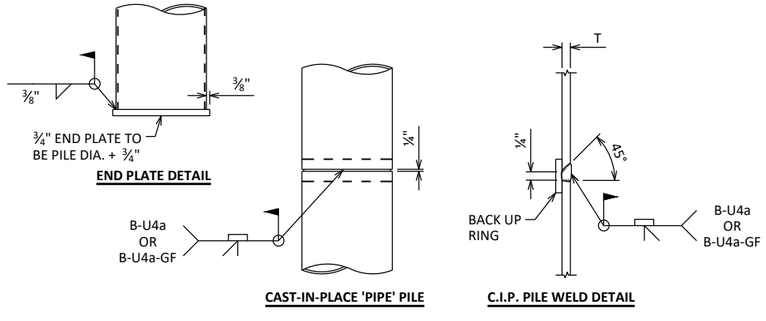
A401



MARK	C	D
A512	1'-9"	3'-2"
A413	1'-9"	1'-11"
A520	5'-10"	11"
A521	4'-9"	11"



MARK	E	F
A905	1'-5"	18'-0"
A814	1'-6"	12'-9"



CIP PILE DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY DS | PLANS CK'D JDH

SOUTH ABUTMENT DETAILS

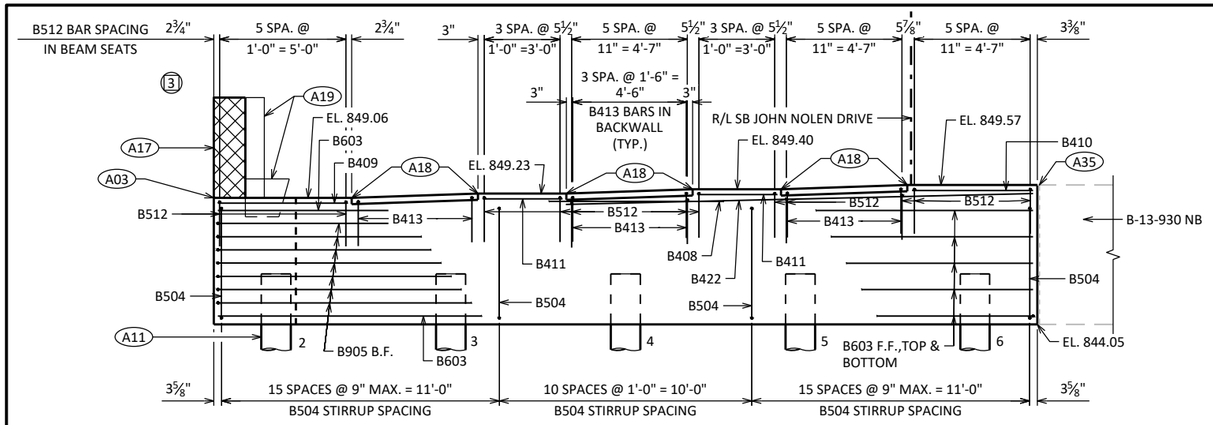
SHEET 7
1173

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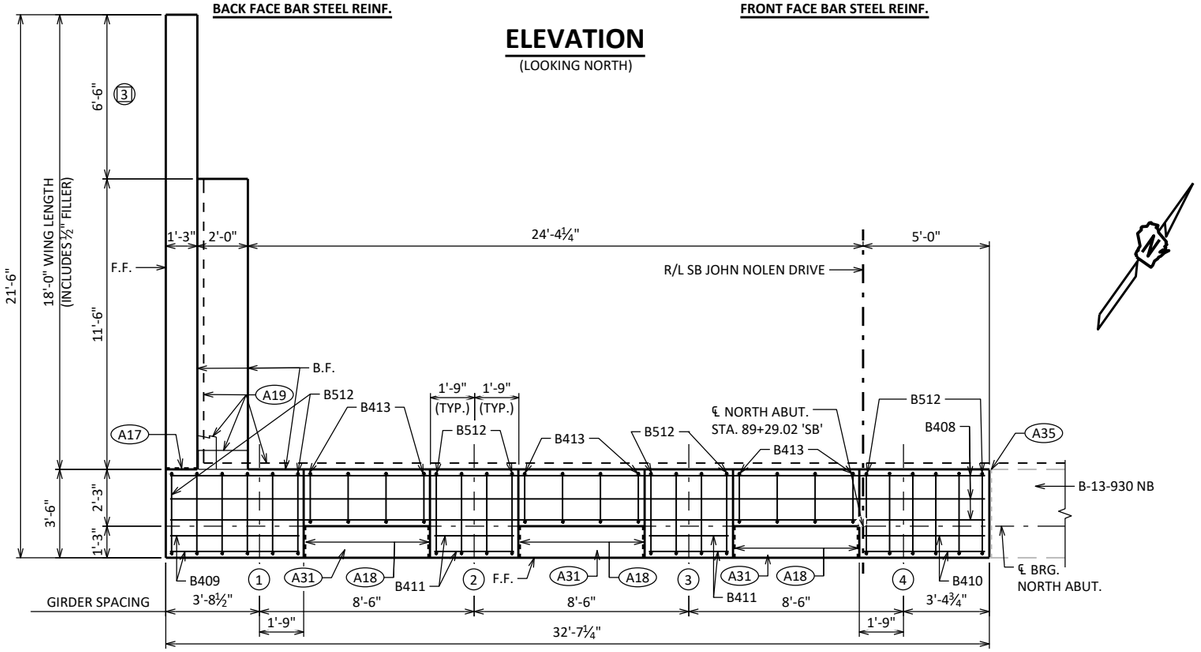
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FOR WING ELEVATIONS AND DETAILS SEE SHEET 9.

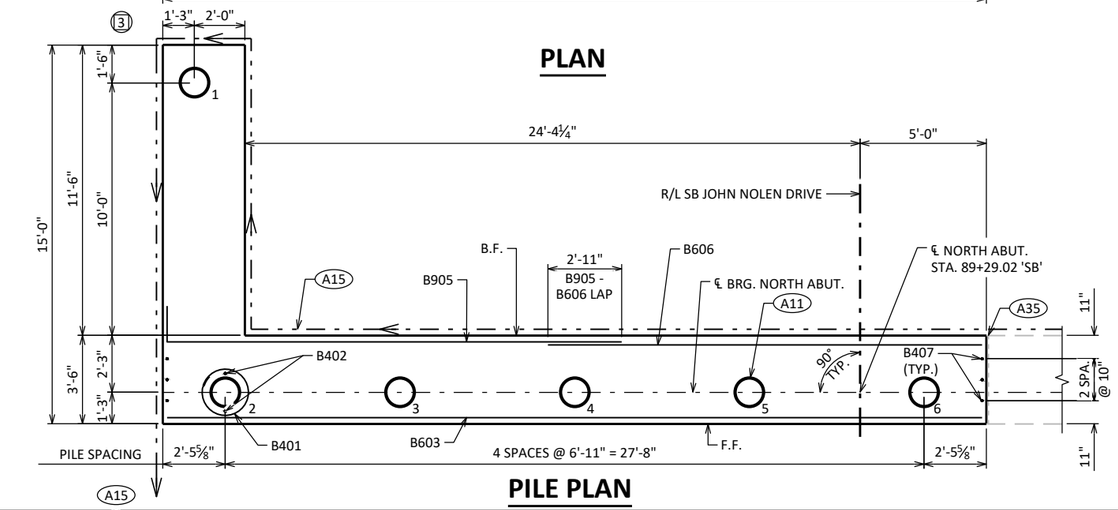
BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.



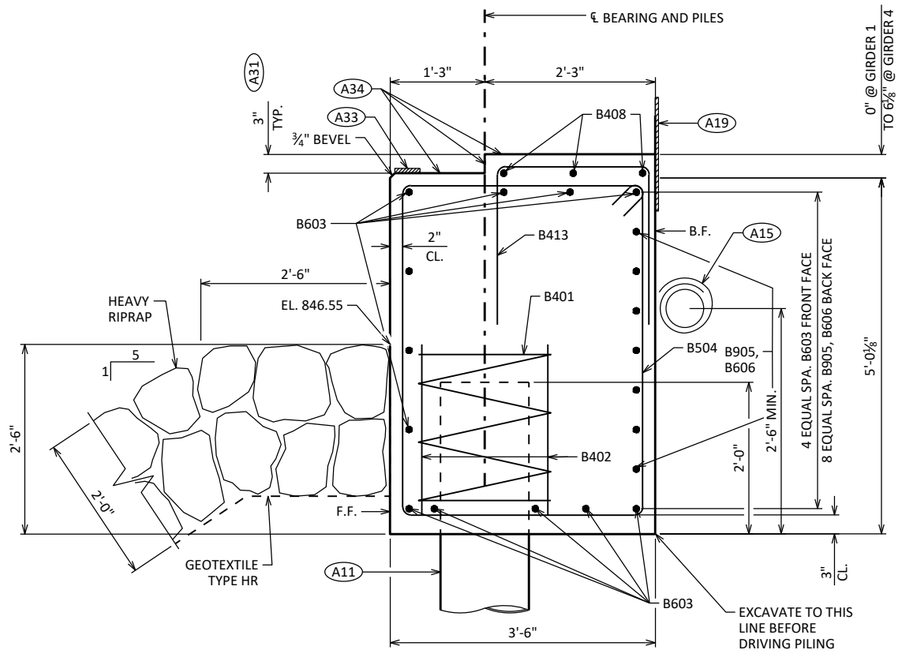
ELEVATION
(LOOKING NORTH)



PLAN



PILE PLAN



TYPICAL SECTION THRU ABUTMENT

LEGEND

(3) - INDICATES WING NUMBER. (○) - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A03) OPTIONAL CONST. JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A11) SUPPORT ABUTMENT ON PILING CIP CONCRETE 14 X 0.50-INCH, ESTIMATED 115'-0" LONG AT THE NORTH ABUTMENT BODY AND WING WITH A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

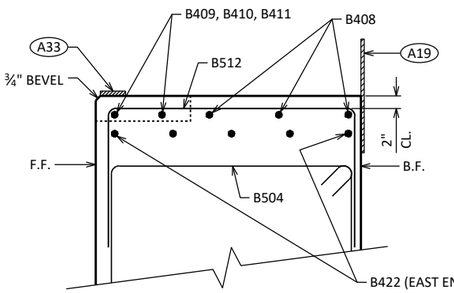
(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A31) SEMI-EXPANSION POCKET. CONSTRUCT 3" DEEPER THAN SURROUNDING BEAM SEATS AND BACKWALL.

(A33) 4" X ½" PREFORMED JOINT FILLER, EXTEND FULL LENGTH OF ABUTMENT.

(A34) STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03 INCHES.

(A35) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB ABUTMENTS. 1" FILLER, EXTEND AS SHOWN BETWEEN ABUTMENTS. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). 1" FILLER THICKNESS INCLUDED IN B-13-930 NB ABUTMENT LENGTHS.



TOP OF ABUTMENT @ BEARING SEATS

SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

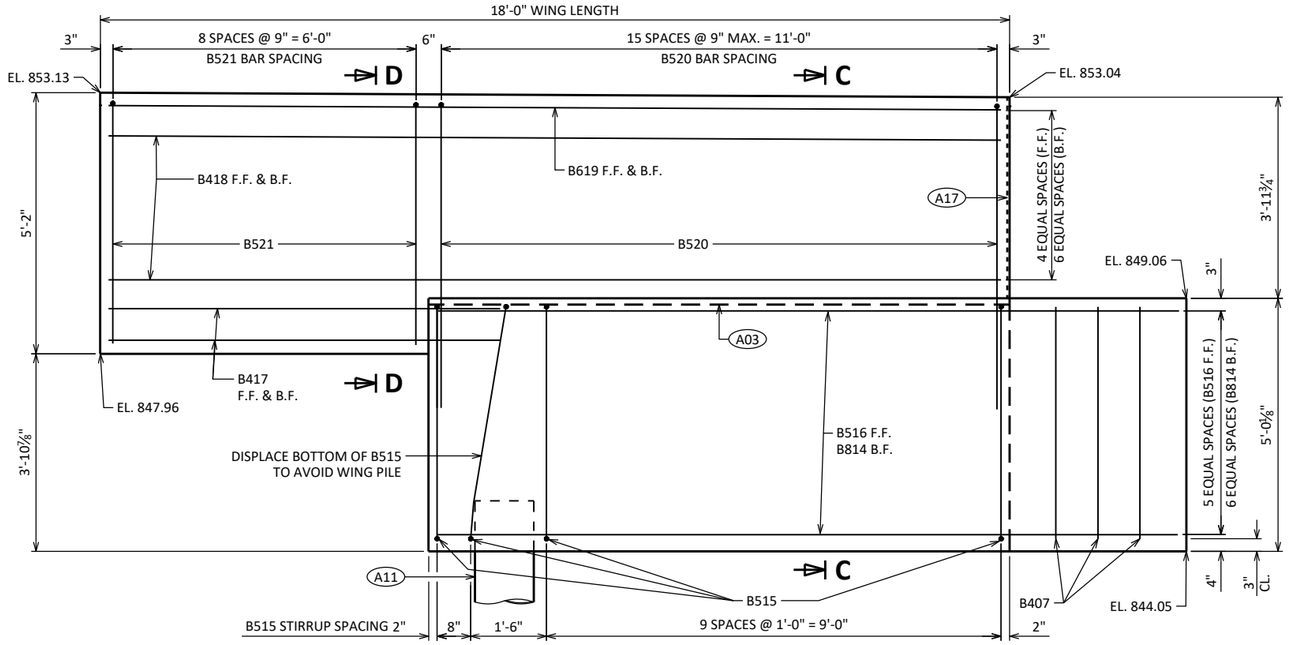
NORTH ABUTMENT

SHEET 8
1174

8

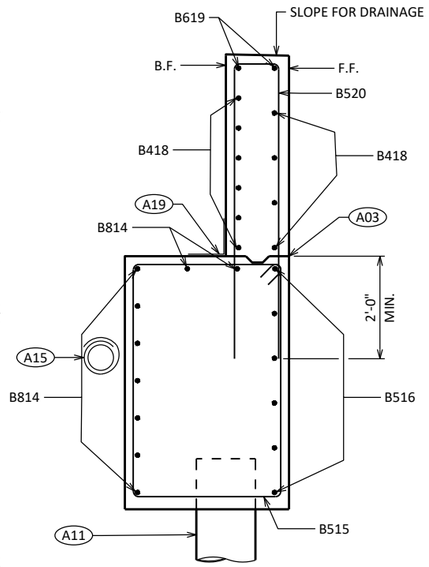
STATE PROJECT NUMBER

5992-11-22



ELEVATION - WING 3

SEE SHEET 8 LEGEND FOR DESCRIPTION OF
A03 A11 A15 A17 A19

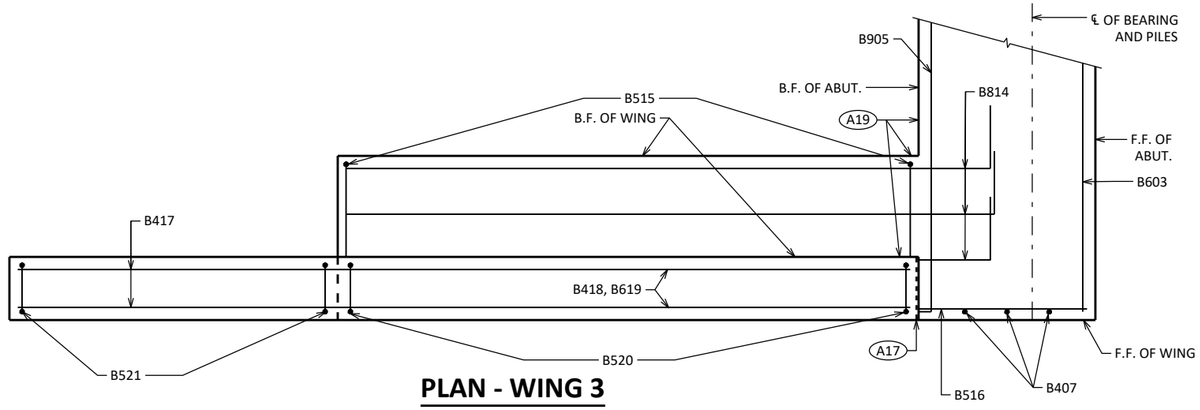


SECTION C-C THRU WING 3

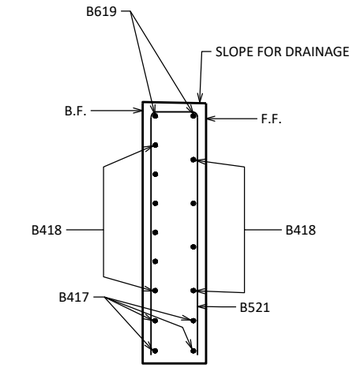
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

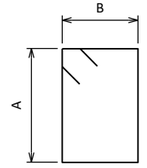
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		5	28'-0"	X		AT BODY PILES - 1 PER PILE 5 SPIRAL WRAPS
B402		10	2'-3"			AT BODY PILES - 2 PER PILE - VERT.
B603		12	32'-3"			ABUT. BODY - F.F., TOP & BOTTOM - HORIZ.
B504		41	15'-8"	X		ABUT. BODY - STIRRUPS - VERT.
B905		7	19'-2"	X		ABUT. BODY - B.F. - HORIZ.
B606		7	17'-3"			ABUT. BODY - B.F. - HORIZ.
B407		6	4'-7"			ABUT. BODY - ENDS - VERT.
B408		3	32'-3"			ABUT. TOP - B.F. SEMI-EXP. POCKET - HORIZ.
B409		2	5'-1"			ABUT. TOP - F.F. - GIRDER 1 - HORIZ.
B410		2	4'-9"			ABUT. TOP - F.F. - GIRDER 4 - HORIZ.
B411		4	3'-2"			ABUT. TOP - F.F. - GIRDERS 2 & 3 - HORIZ.
B512		32	6'-5"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
B413		12	5'-3"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
B814	X	9	13'-1"	X		WING - BOTTOM - B.F. & TOP - HORIZ.
B515	X	12	15'-8"	X		WING - BOTTOM - STIRRUP - VERT.
B516	X	6	14'-8"			WING - BOTTOM - F.F. - HORIZ.
B417	X	4	7'-9"			WING - BOT EXTENSION - F.F. & B.F. - HORIZ.
B418	X	10	17'-7"			WING - TOP - F.F. & B.F. - HORIZ.
B619	X	2	17'-7"			WING - TOP - F.F. & B.F. - HORIZ.
B520	X	16	12'-8"	X		WING - TOP - TIES - VERT.
B521	X	9	10'-2"	X		WING - TOP EXTENSION - TIES - VERT.
B422		5	18'-6"			ABUT. BODY TOP - HORIZ.



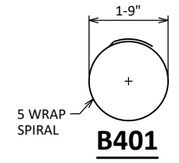
PLAN - WING 3



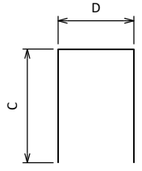
SECTION D-D THRU WING 3



MARK	A	B
B504	4'-4"	3'-2"
B515	4'-7"	2'-11"



B401



MARK	C	D
B512	1'-9"	3'-2"
B413	1'-9"	1'-11"
B520	6'-0"	11"
B521	4'-9"	11"



MARK	E	F
B905	1'-5"	18'-0"
B814	1'-6"	12'-9"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

NORTH ABUTMENT DETAILS

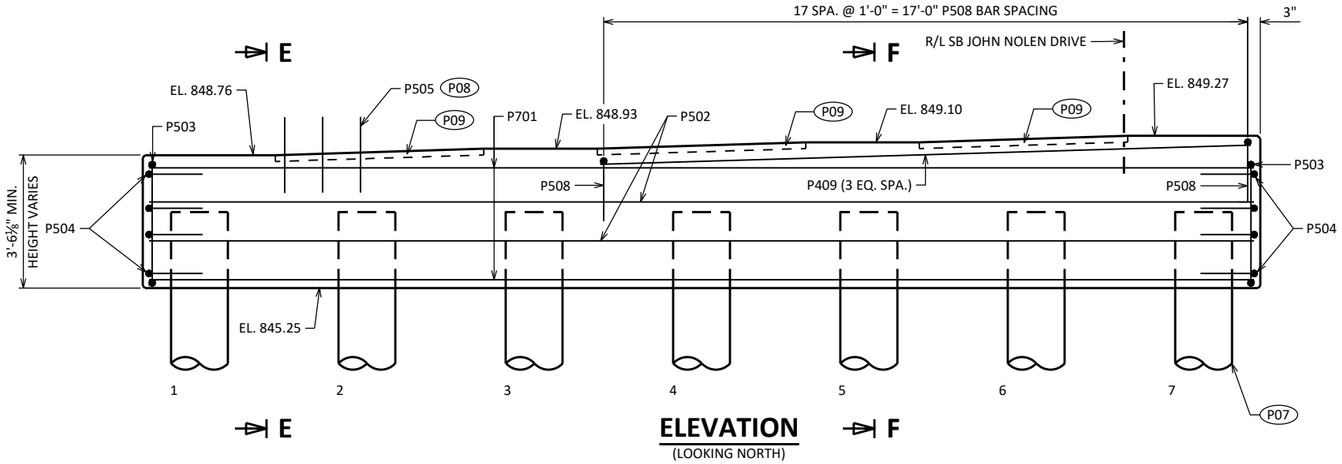
SHEET 9
1175

8

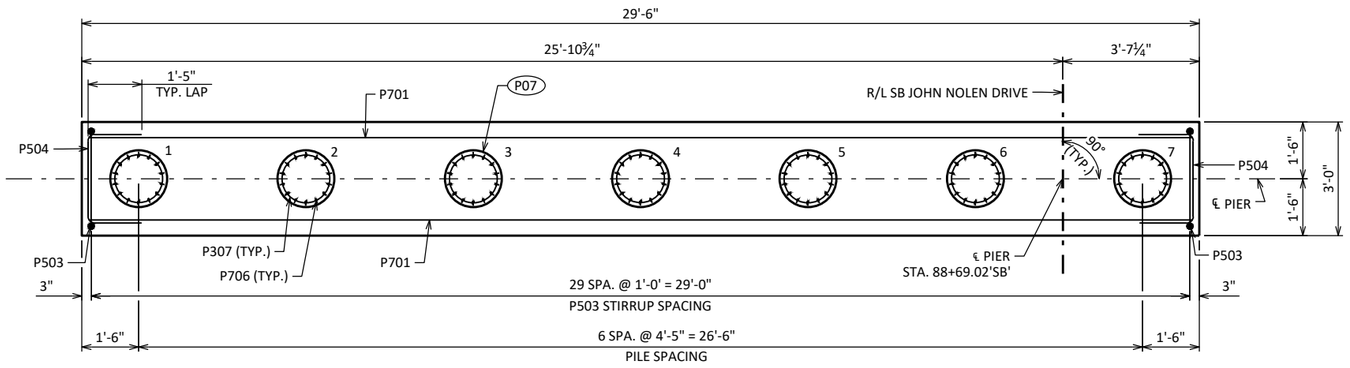
8

STATE PROJECT NUMBER

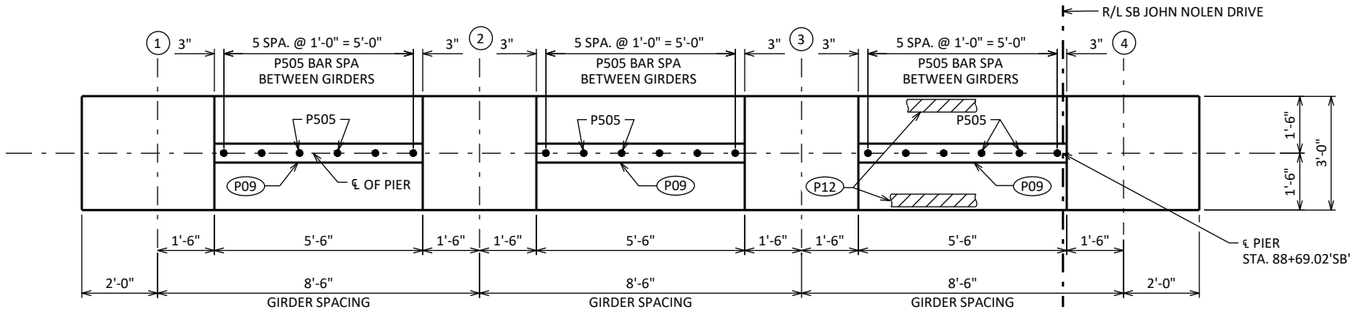
5992-11-22



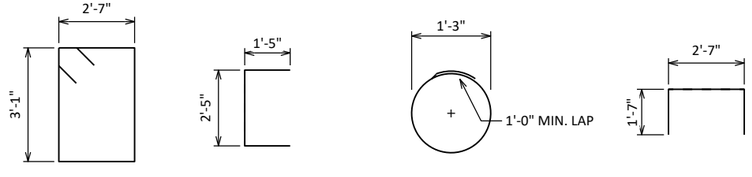
ELEVATION
(LOOKING NORTH)



PILE AND REINFORCING PLAN



PIER TOP PLAN



P503 **P504** **P307** **P508**

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P701		8	29'-2"			PIER CAP - TOP & BOTTOM - HORIZ.
P502		4	29'-2"			PIER CAP - SIDES - HORIZ.
P503		30	12'-0"	X		PIER CAP - STIRRUP - VERT.
P504		8	5'-0"	X		PIER CAP - END STIRRUP - HORIZ.
P505	X	18	2'-0"			PIER CAP - DOWELS - VERT.
P706		98	20'-0"			PILE - VERT.
P307		77	5'-0"	X		PILE -TIES - HORIZ.
P508		18	5'-6"	X		PIER CAP TOP - STIRRUP - VERT.
P409		4	17'-0"			PIER CAP TOP - HORIZ.

NOTES

(P07) SUPPORT PIER ON PILING CIP CONCRETE 18 X 0.50-INCH, ESTIMATED 115'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 405 TONS PER PILE.

(P08) P505 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

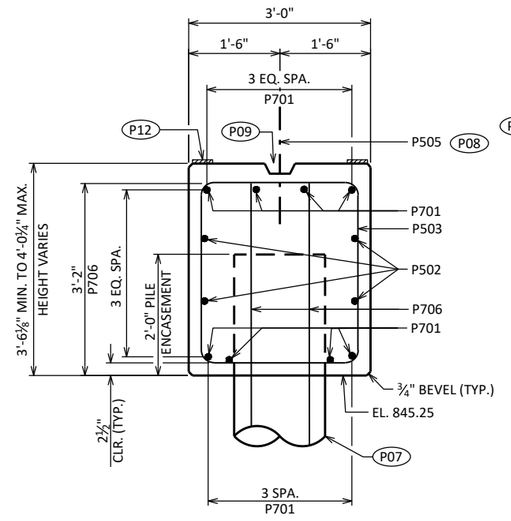
(P09) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6".

(P12) 4" X ¾" PREFORMED FILLER BETWEEN GIRDERS.

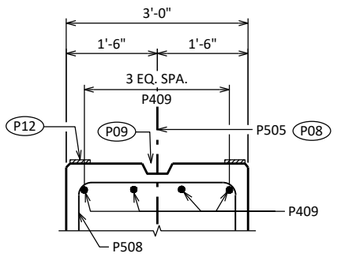
◯ INDICATES GIRDER NUMBER.

PILES SHALL BE PAINTED IN ACCORDANCE WITH SECTION 550.3.11.3 OF THE STANDARD SPECIFICATIONS.

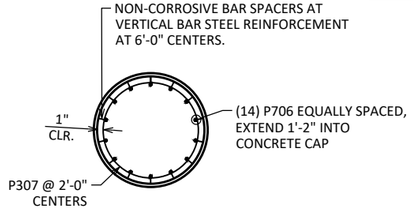
FOR PILE SPLICE DETAILS SEE SHEET 7.



SECTION E-E



SECTION F-F



SECTION THRU PILE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

PIER

SHEET 10
1176

8

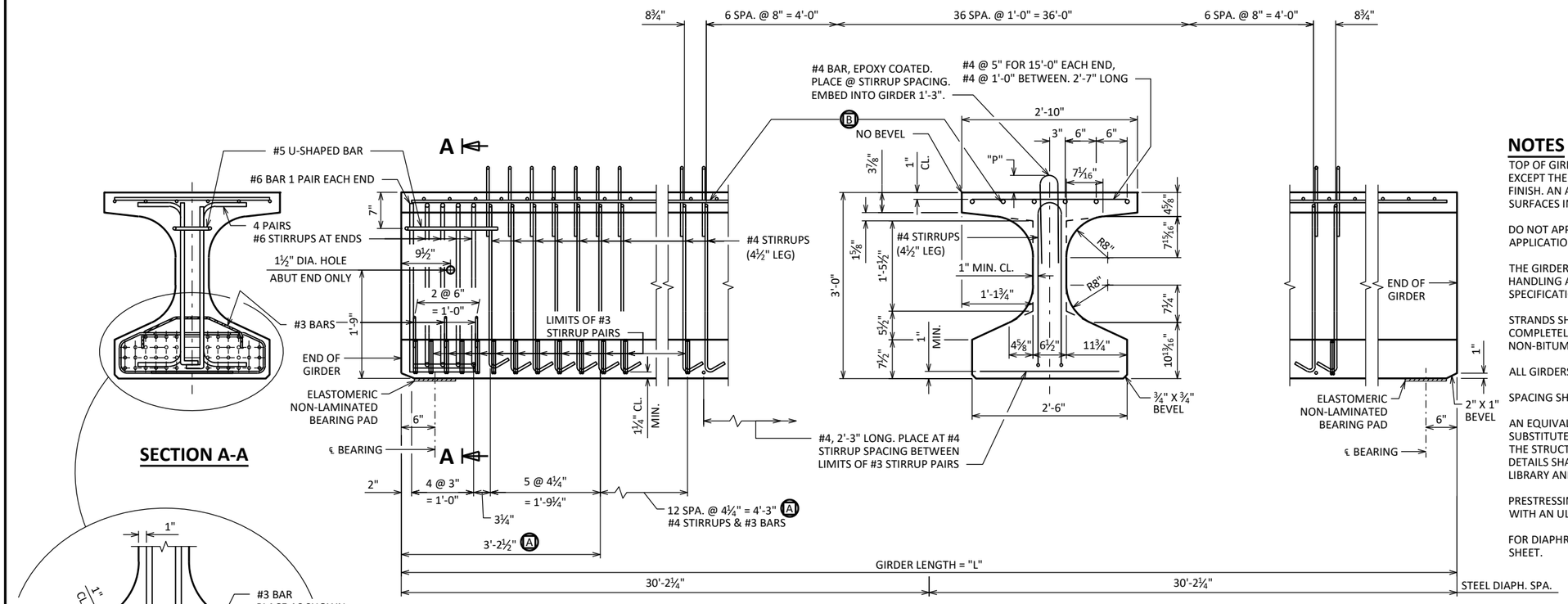
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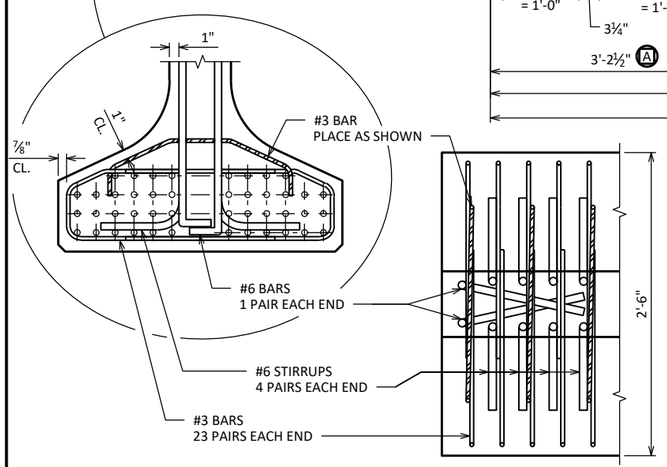
3/21/2025 3:10 PM

STATE PROJECT NUMBER

5992-11-22



SECTION A-A

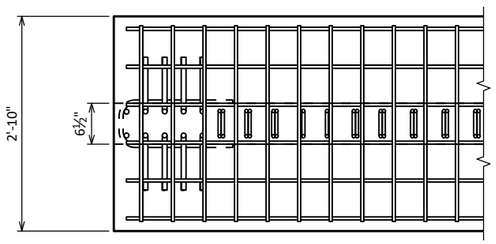


BOTTOM FLANGE

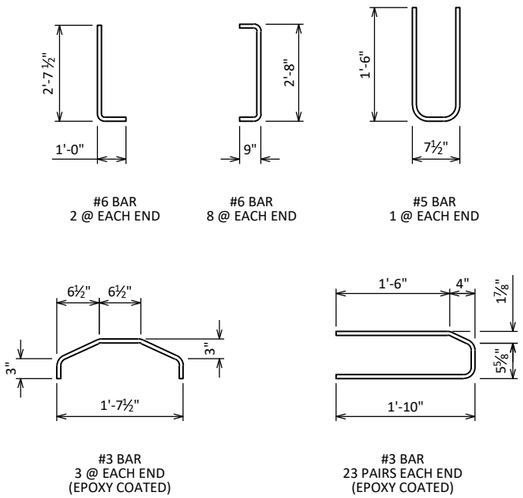
SIDE VIEW & TYPICAL SECTION IN SPAN

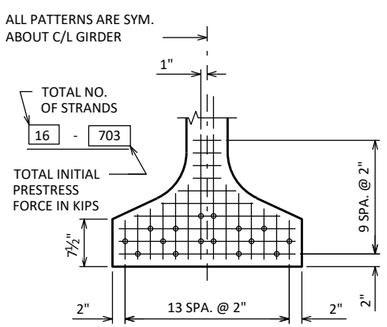
Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5"



TOP FLANGE





TYP. STRAND PATTERN

⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'_c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10		1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER		TOTAL NO. OF STRANDS	f'_{ci} (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'_{ci} (P.S.I.) ⚹
1 & 2	1 & 4	60'-4½"	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800
1 & 2	2 & 3	60'-4½"	0.1	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.1	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DESIGN SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER DETAILS

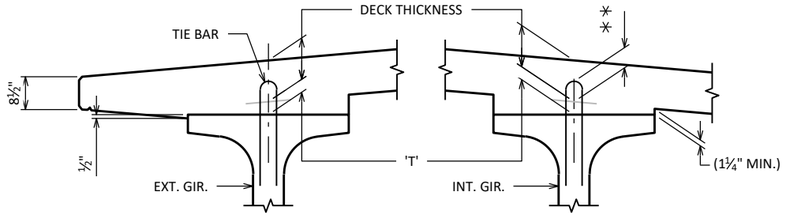
SHEET 11
1177

SCALE = 2.00

STATE PROJECT NUMBER
5992-11-22

TOP OF DECK ELEVATIONS

LOCATION	SPAN POINT	WEST DECK EDGE	C/L GIRDER 1	C/L GIRDER 2	C/L GIRDER 3	R/L JOHN NOLEN DRIVE SB	RAISED MEDIAN FRONT FACE	C/L GIRDER 4	EAST DECK EDGE
S. ABUT.	1	852.43	852.45	852.62	852.79	852.93	852.95	852.96	853.01
	1.1	852.46	852.48	852.65	852.82	852.96	852.98	852.99	853.04
	1.2	852.49	852.51	852.68	852.85	852.99	853.01	853.02	853.07
	1.3	852.52	852.54	852.71	852.88	853.02	853.04	853.05	853.10
	1.4	852.55	852.57	852.74	852.91	853.05	853.07	853.08	853.13
	1.5	852.58	852.60	852.77	852.94	853.08	853.10	853.11	853.16
	1.6	852.61	852.63	852.80	852.97	853.11	853.13	853.14	853.19
	1.7	852.64	852.66	852.83	853.00	853.14	853.16	853.17	853.22
	1.8	852.67	852.69	852.86	853.03	853.17	853.19	853.20	853.25
	1.9	852.70	852.72	852.89	853.06	853.20	853.22	853.23	853.28
PIER	2.0	852.73	852.75	852.92	853.09	853.23	853.25	853.26	853.31
	2.1	852.76	852.78	852.95	853.12	853.26	853.28	853.29	853.34
	2.2	852.79	852.81	852.98	853.15	853.29	853.31	853.32	853.37
	2.3	852.82	852.84	853.01	853.18	853.32	853.34	853.35	853.40
	2.4	852.85	852.87	853.04	853.21	853.35	853.37	853.38	853.43
	2.5	852.88	852.90	853.07	853.24	853.38	853.40	853.41	853.46
	2.6	852.91	852.93	853.10	853.27	853.41	853.43	853.44	853.49
	2.7	852.94	852.96	853.13	853.30	853.44	853.46	853.47	853.52
	2.8	852.97	852.99	853.16	853.33	853.47	853.49	853.50	853.55
	2.9	853.00	853.02	853.19	853.36	853.50	853.52	853.53	853.58
N. ABUT.	3.0	853.03	853.05	853.22	853.39	853.53	853.55	853.56	853.61



DECK HAUNCH DETAIL

IF 1¾" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⚹⚹ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

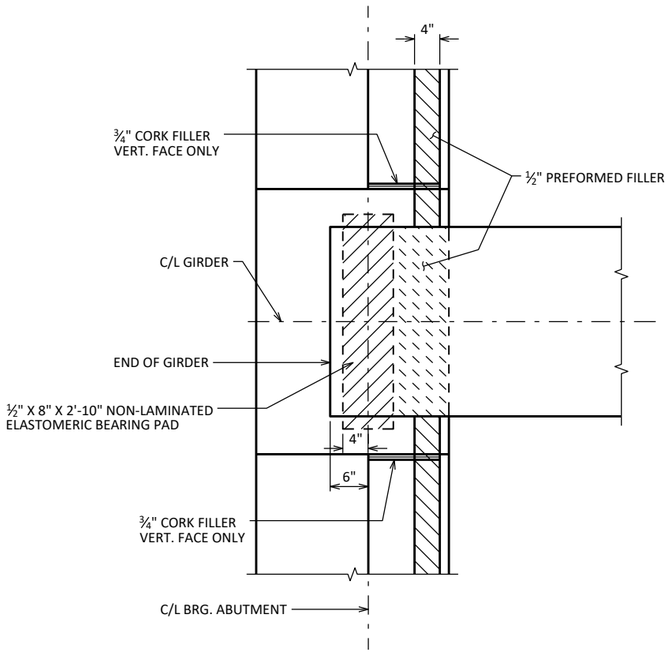
NOTE: AN AVERAGE HAUNCH ('T') OF 2⅝" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".

⚹ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

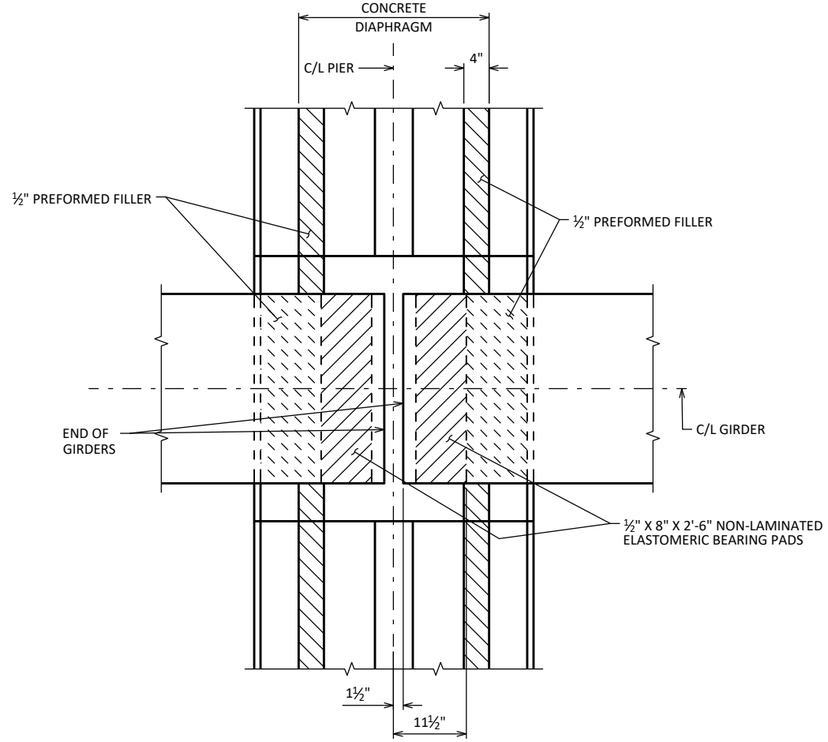
SPAN	CAMBER (IN.) ⚹
1 & 2	1

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

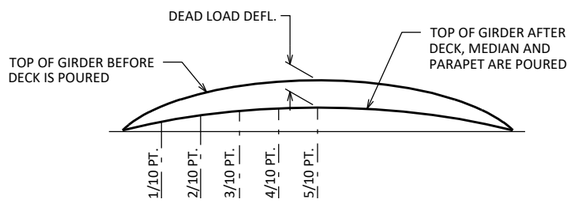
THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



BEARING PAD DETAIL
AT ABUTMENTS



BEARING PAD DETAIL
AT PIER



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER & DECK FORMING DETAILS

SHEET 12
1178

SCALE = 2.00

8

8

G:\00\00373\00373103\CADD\C3D\SheetsPlan\Structures\B-13-0930 SB Bridge\00373103_B-13-0930 SB_12 36W PS GIRDER AND DECK FORMING.dwg

3/18/2025 8:59 AM

STATE PROJECT NUMBER

5992-11-22

NOTES

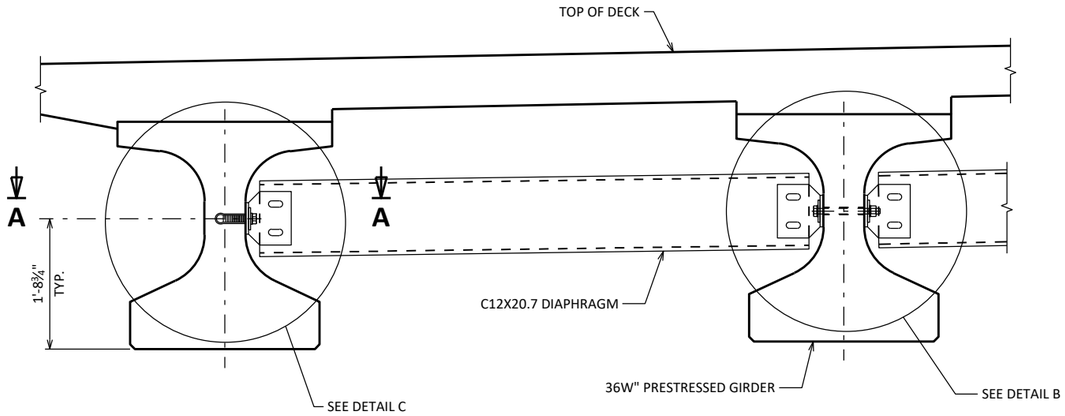
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-930 SB", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

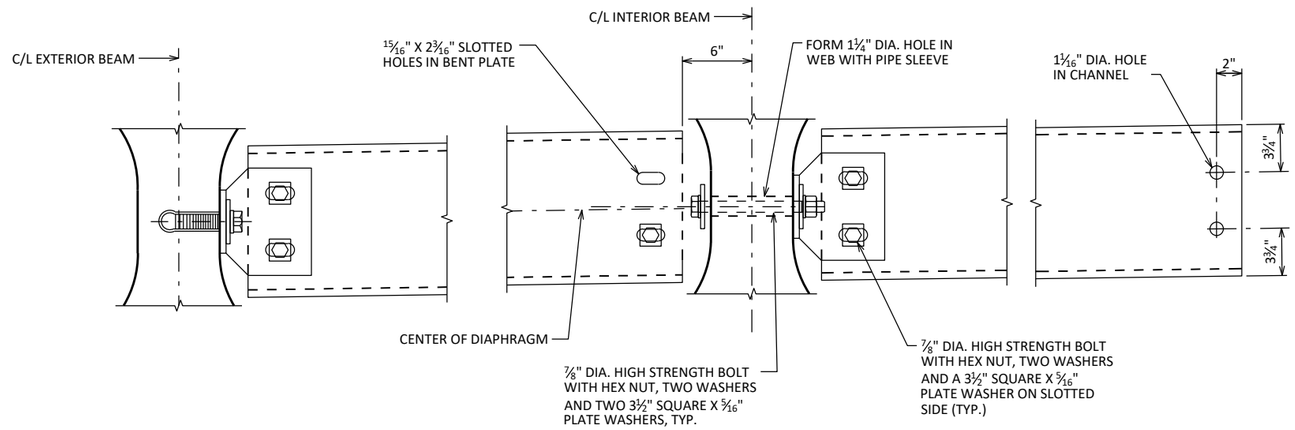
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

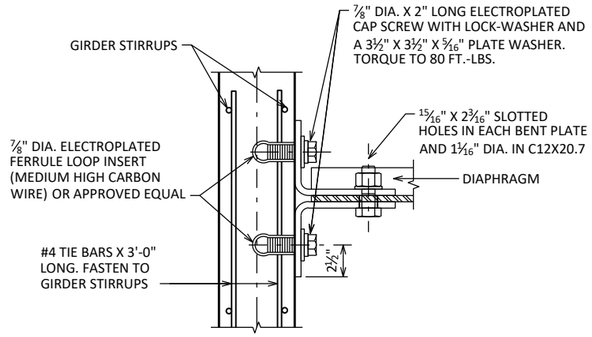


EXTERIOR GIRDER **INTERIOR GIRDER**

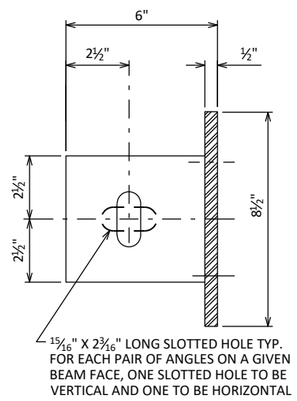
PART TRANSVERSE SECTION AT DIAPHRAGM



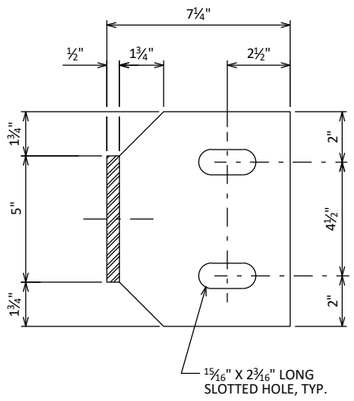
DETAIL C **DETAIL B**



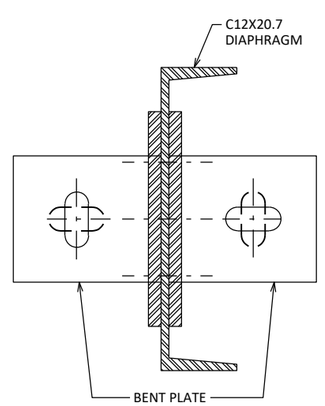
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

STEEL DIAPHRAGM

SHEET 13
1179

SCALE = 2.00

8

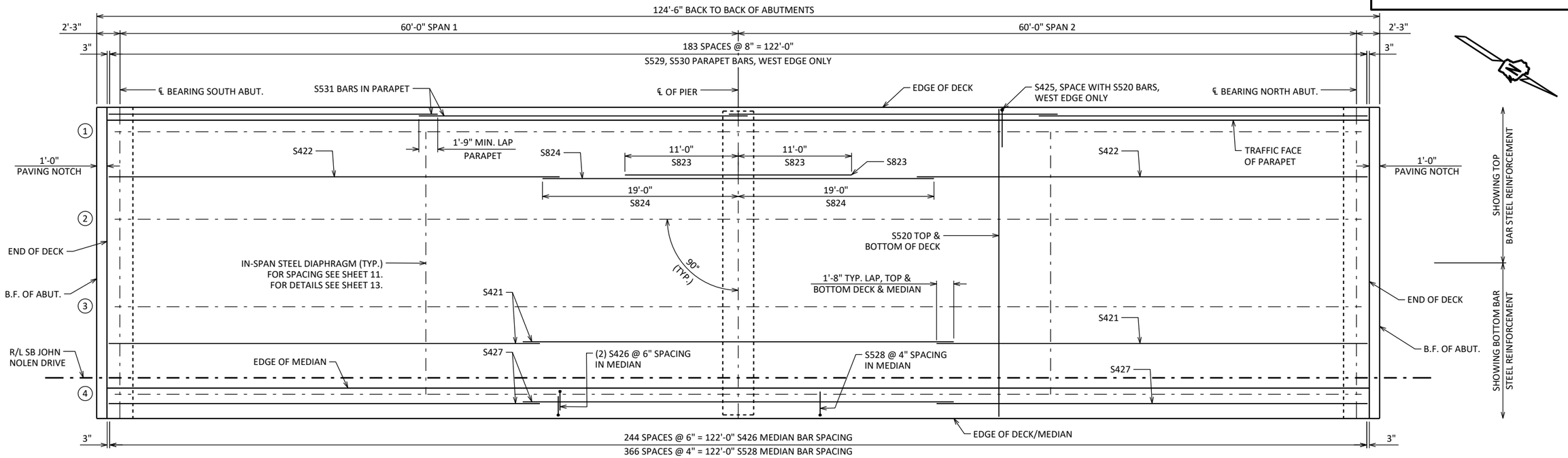
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4/30/2025 11:11 AM

STATE PROJECT NUMBER

5992-11-22

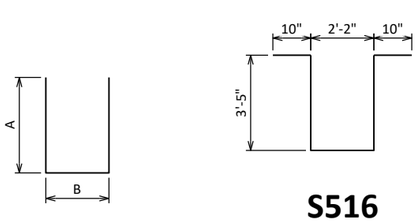


BILL OF BARS

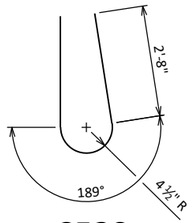
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

	BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
	S401	X	36	3'-5"	X		DIAPH. @ ABUT. - SEMI-EXP. NOTCH - STIRRUP - VERT.
	S402	X	12	4'-8"			DIAPH. @ ABUT. - SEMI-EXP. NOTCH - HORIZ.
	S503	X	54	11'-8"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
	S504	X	16	9'-8"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
	S605	X	10	31'-2"			DIAPH. @ ABUT. - B.F. & TOP - HORIZ.
	S606	X	6	5'-8"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
	S607	X	24	4'-8"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
	S608	X	2	7'-0"	X		DIAPH. @ ABUT. - WEST END - HORIZ.
	S609	X	4	8'-6"	X		DIAPH. @ ABUT. - WEST END - HORIZ.
	S510	X	54	6'-5"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
	S511	X	16	6'-0"			DIAPH. @ ABUT. - THRU GIRDER WEB - TRANS.
	S412	X	8	3'-7"			DIAPH. @ ABUT. - ENDS - VERT.
	S513	X	4	14'-2"	X		DIAPH. @ ABUT. - WEST END- STIRRUP - VERT.
	S614	X	2	0'-9"			DIAPH. @ ABUT. - EAST END - HORIZ.
	S615	X	4	6'-0"	X		DIAPH. @ ABUT. - EAST END - HORIZ.
	S516	X	21	10'-2"	X		DIAPH. @ PIER. - STIRRUP - VERT.
	S517	X	6	7'-8"	X		DIAPH. @ PIER. - STIRRUP - VERT.
	S418	X	12	3'-4"			DIAPH. @ PIER - HORIZ.
	S419	X	24	4'-4"			DIAPH. @ PIER - HORIZ.
	S520	X	347	29'-10"			DECK - TOP & BOTTOM - TRANS.
	S421	X	129	41'-10"			DECK - BOTTOM - LONGIT.
	S422	X	88	43'-9"			DECK - TOP - LONGIT.
	S823	X	42	22'-0"			DECK - TOP - OVER PIERS - LONGIT.
	S824	X	44	38'-0"			DECK - TOP - OVER PIERS - LONGIT.
	S425	X	174	3'-8"	X		DECK - TOP - WEST EDGE - TRANS.
⬟	S426	X	490	2'-6"	X		DECK & INTO MEDIAN - VERT.
	S427	X	15	41'-10"			MEDIAN - TOP - LONGIT.
	S528	X	367	3'-2"	X		MEDIAN - TOP - TRANS.
	S529	X	184	4'-5"	X		DECK & PARAPET - STIRRUP - VERT.
	S530	X	184	6'-8"	X		PARAPET - STIRRUP - VERT.
	S531	X	32	31'-11"			PARAPET - LONGIT.
☆	SS901		62	5'-0"	X		DIAPH. @ ABUT. & INTO APPROACH SLAB

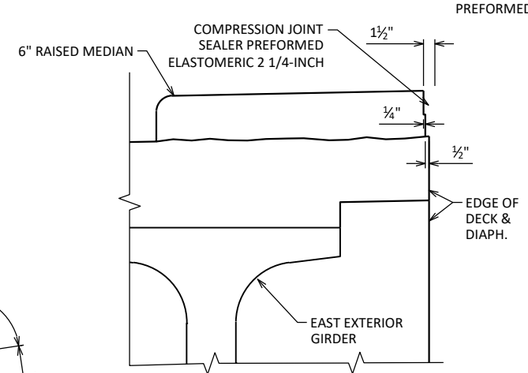
PLAN



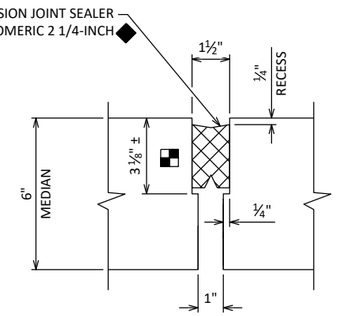
S516



S530



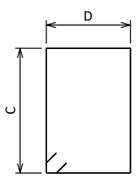
EDGE OF DECK DETAIL AT MEDIAN AT ABUTMENTS



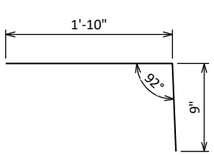
ELASTOMERIC COMPRESSION SEAL DETAIL

- ⬛ VARIES BASED ON JOINT MANUFACTURER
- ◆ MANUFACTURER SHALL LABEL TOP OF SEAL

MARK	A	B
S401	1'-4"	11"
S608	2'-1"	3'-2"
S609	2'-10"	3'-2"
S510	2'-3"	2'-2"
S615	1'-7"	3'-2"

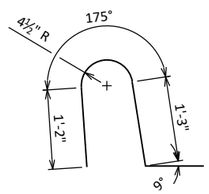


MARK	C	D
S503	2'-4"	3'-2"
S504	1'-4"	3'-2"
S513	3'-7"	3'-2"
S517	1'-4"	2'-2"

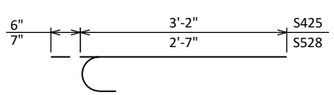


S426

⬟ ADHESIVE ANCHORS NO. 4 BAR EMBED 5" INTO DECK

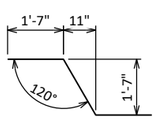


S529



S425, S528

STD. 180° HOOK



SS901

☆ BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE

SHEET 14
1180

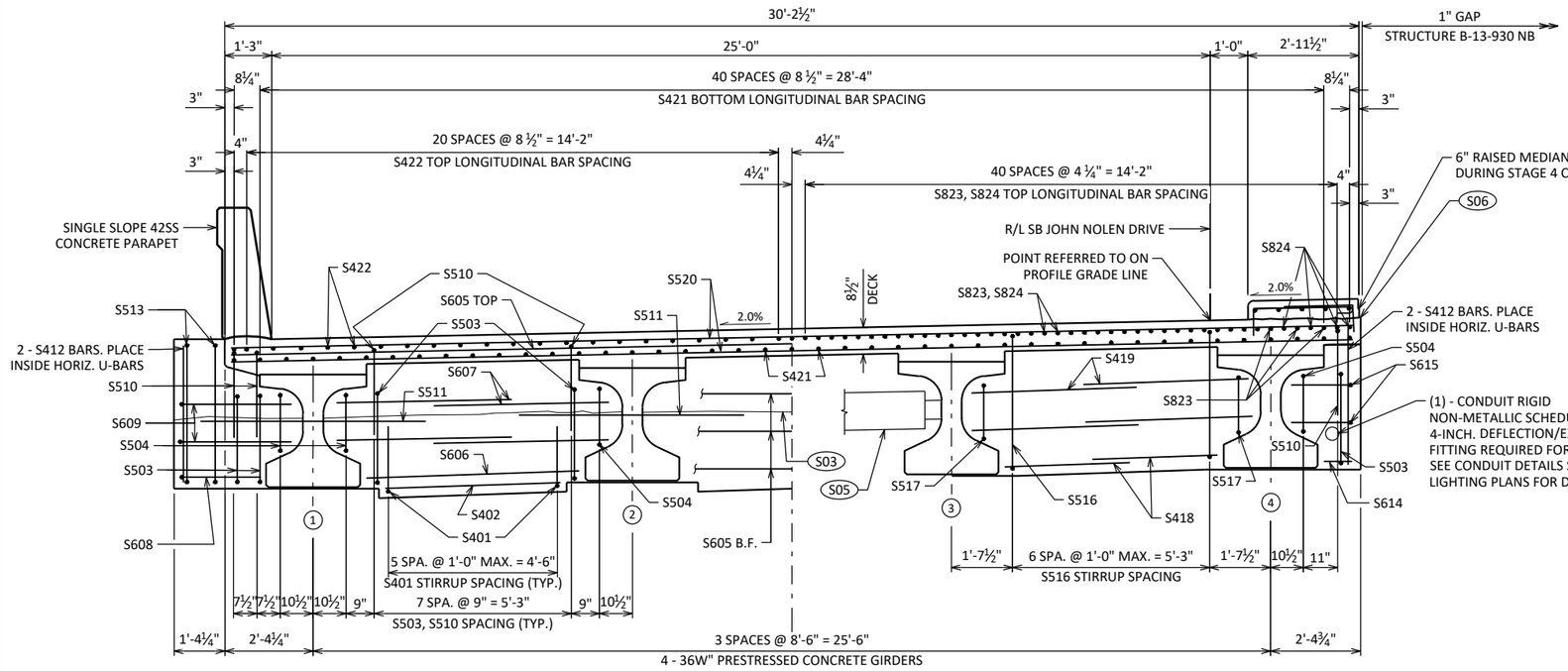
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5/16/2025 11:49 AM

STATE PROJECT NUMBER
5992-11-22

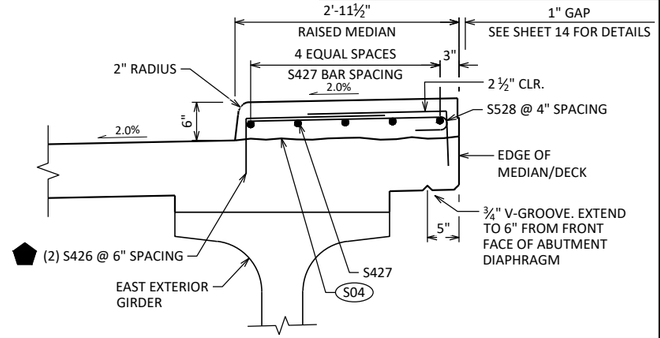


AT ABUTMENT **IN SPAN** **AT PIER** **AT ABUTMENT**

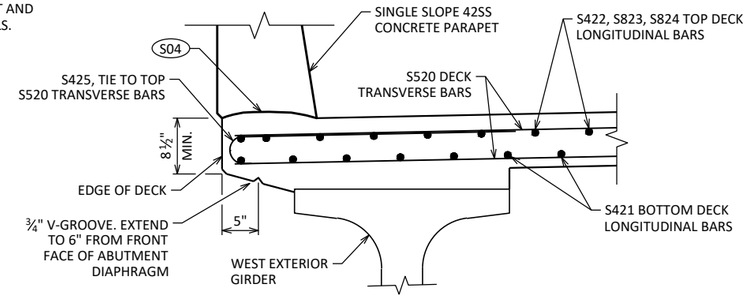
CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

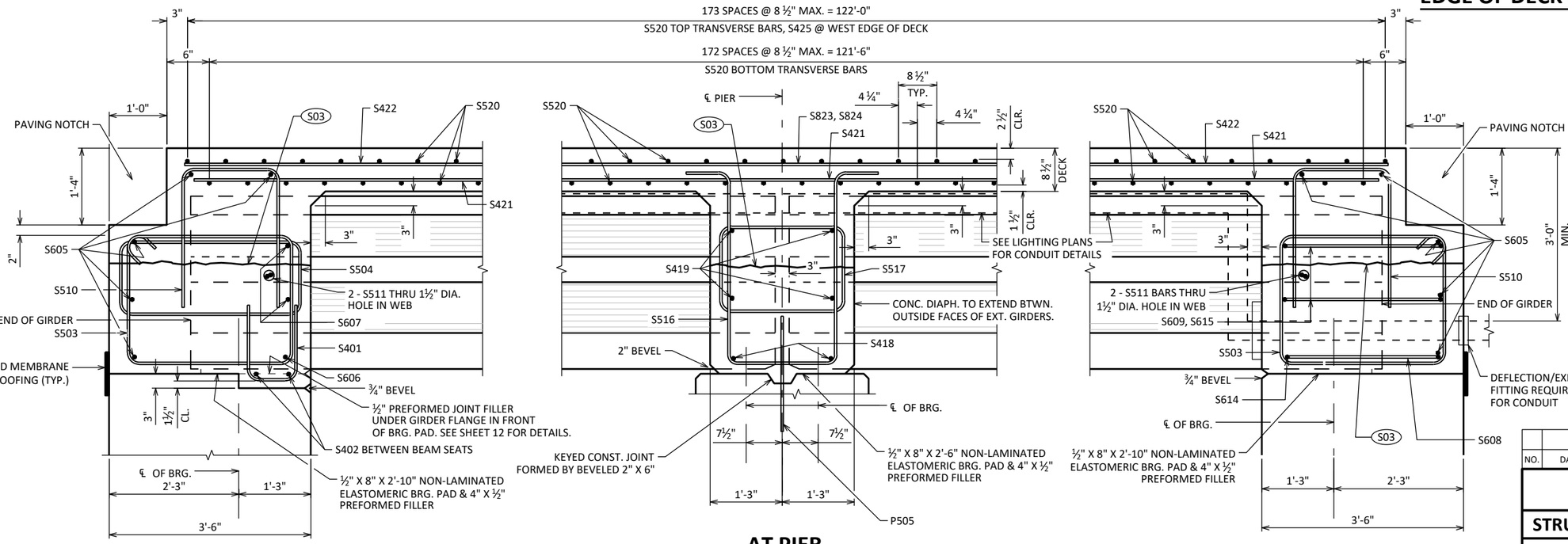
ADHESIVE ANCHORS NO. 4 BAR EMBED 5" INTO DECK



EDGE OF DECK DETAIL AT MEDIAN



EDGE OF DECK DETAIL AT PARAPET



AT ABUTMENT INTERIOR BAYS **AT PIER** **AT ABUTMENT ENDS**

LONGITUDINAL SECTION THRU BRIDGE

LEGEND

- ◯ INDICATES GIRDER NUMBER.
- F.F. FRONT FACE B.F. BACK FACE
- (S03) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDERS. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR. HORIZONTAL 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING SHALL BE PLACED ALONG JOINT AT BACK FACE OF ABUTMENTS IF CONSTRUCTION JOINT IS USED (COST INCLUDED IN BID ITEM "HPC MASONRY STRUCTURES").
- (S04) CONSTRUCTION JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- (S05) FOR DETAILS OF STEEL DIAPHRAGMS AND DIAPHRAGM INSERTS, SEE SHEET 13. FOR LAYOUT OF STEEL DIAPHRAGMS, SEE SHEET 11.
- (S06) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB DIAPH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE SECTIONS & DETAILS

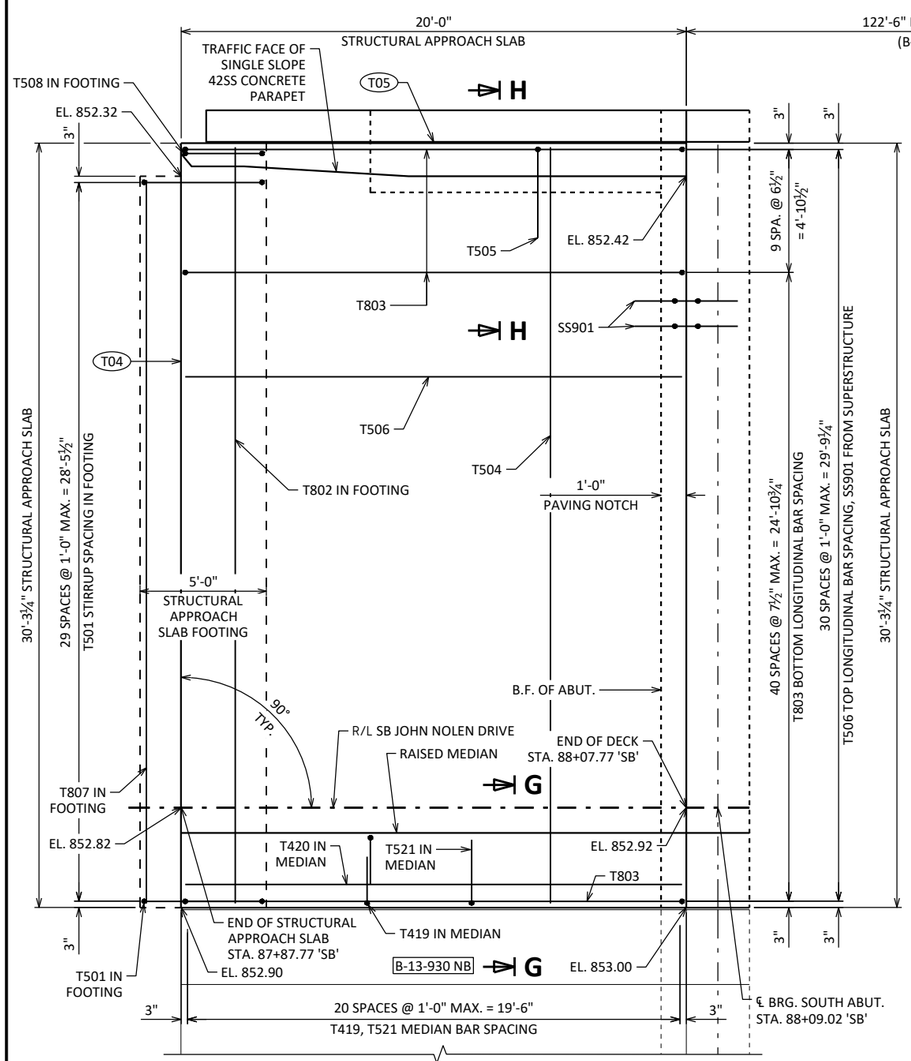
SHEET 15
1181

8

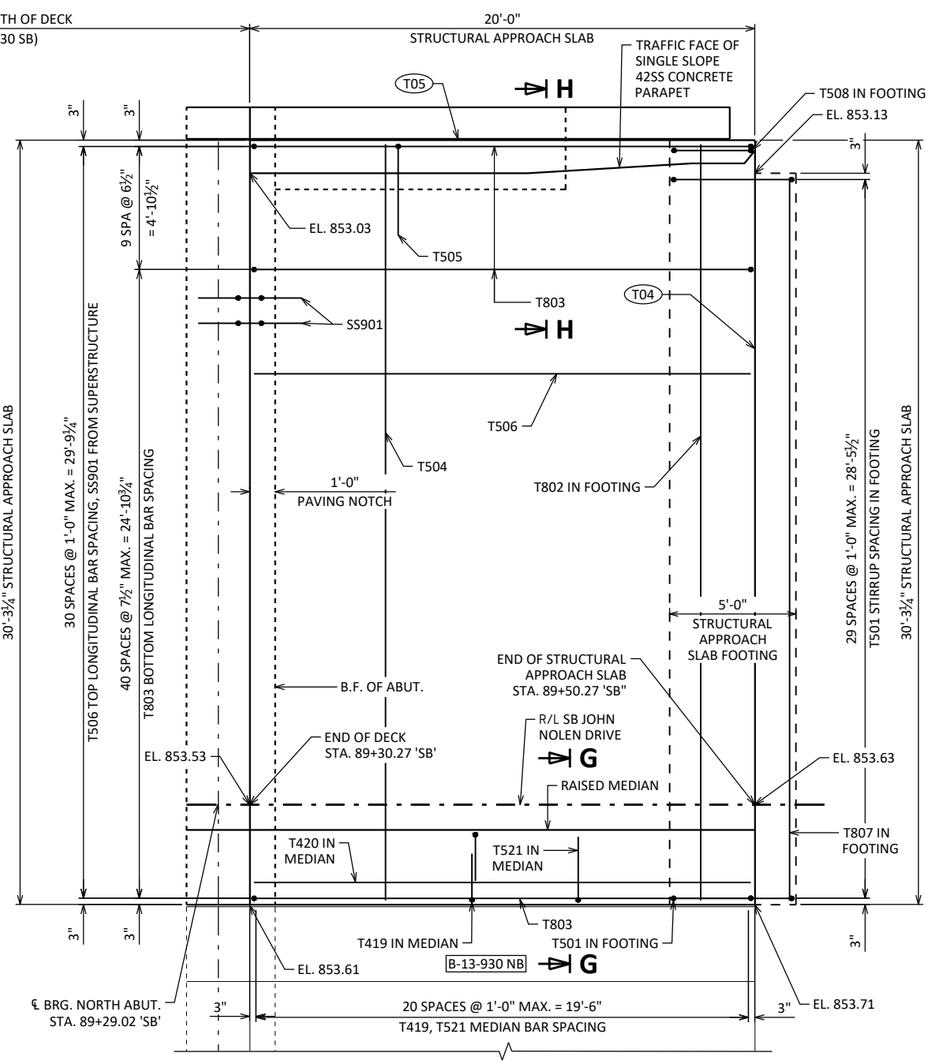
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STATE PROJECT NUMBER

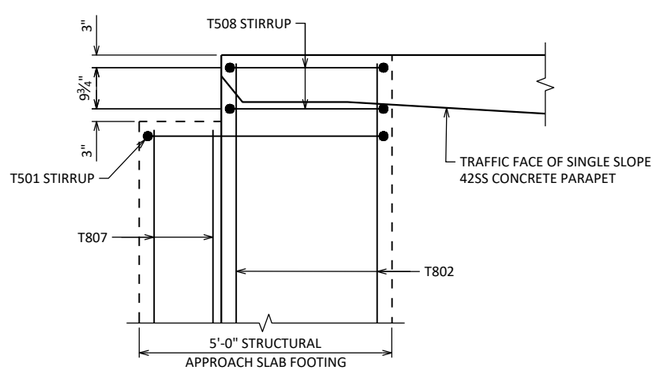
5992-11-22



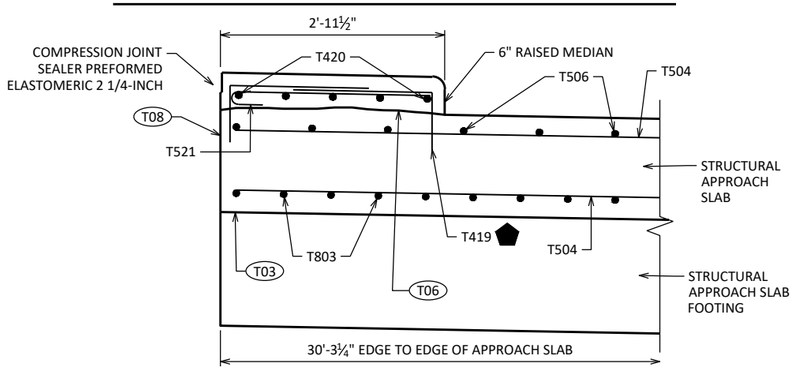
PLAN - SOUTH STRUCTURAL APPROACH SLAB



PLAN - NORTH STRUCTURAL APPROACH SLAB



FOOTING - CORNER DETAIL AT WINGS



SECTION G-G THRU EDGE OF STRUCTURAL APPROACH SLAB

⬟ ADHESIVE ANCHORS NO. 4 BAR EMBED 5" INTO APPROACH SLAB

NOTES

BAR MARKS FOR THE STRUCTURAL APPROACH SLABS AND PARAPET ON THE STRUCTURAL APPROACH SLAB ARE SHOWN WITH A T MARK.

ELEVATIONS GIVEN ARE AT TOP OF STRUCTURAL APPROACH SLAB.

ELEVATIONS AT EDGE OF STRUCTURAL APPROACH SLAB ARE SAME AS ELEVATIONS GIVEN AT CORRESPONDING TRAFFIC FACE OF PARAPET.

FOR DETAILS OF SINGLE SLOPE PARAPET 42SS ON THE STRUCTURAL APPROACH SLAB, SEE SHEET 17 AND 18.

LEGEND

- (T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.
- (T04) 1½" FILLER.
- (T05) ½" FILLER EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL & VERTICAL SURFACES OF FILLER WITH NON-STAINING GRAY, NON-BITUMINOUS JOINT SEALER. (1" DEEP & HOLD ⅛" BELOW SURFACE OF CONCRETE).
- (T06) CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.
- (T07) SLOPE FOR DRAINAGE.
- (T08) 1" FILLER BENEATH ELASTOMERIC COMPRESSION JOINT SEAL, EXTEND TO BOTTOM OF APPROACH SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

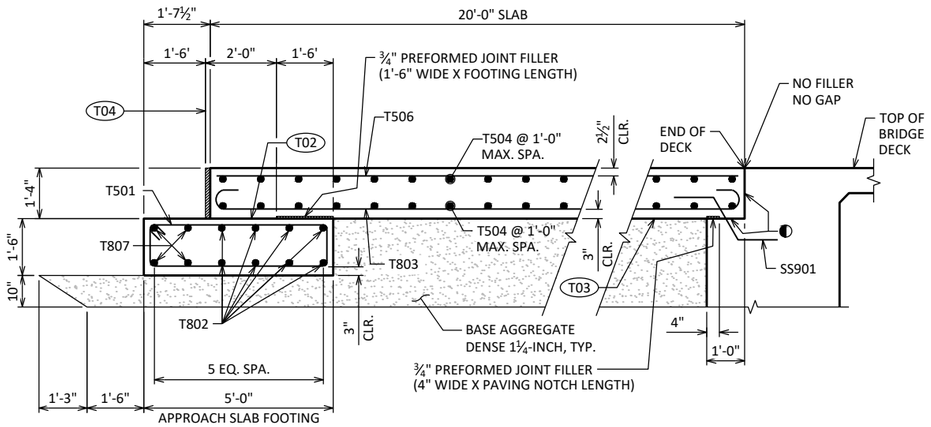
DRAWN BY EKK | PLANS CK'D JDH

STRUCTURAL APPROACH SLAB

SHEET 16
1182

8

8



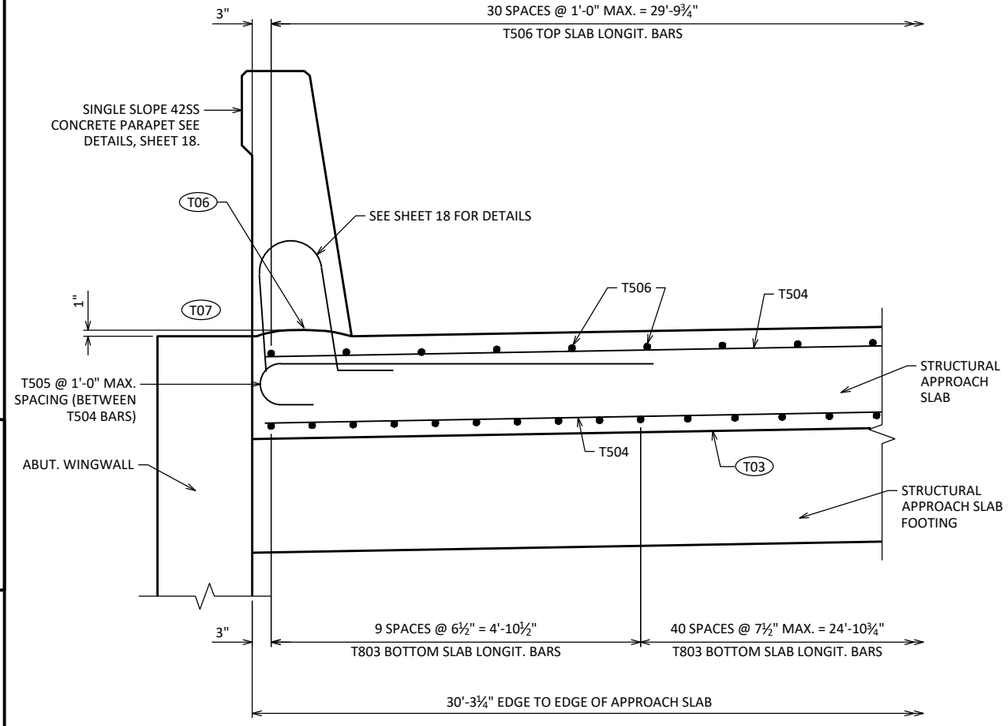
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

SEE SHEET 16 LEGEND FOR DESCRIPTION OF (T04) (T06) (T07)

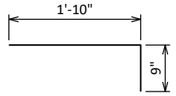


SECTION H-H THRU EDGE OF STRUCTURAL APPROACH SLAB

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

BAR MARK	NO. REQ'D.	LENGTH
T517	2 SERIES OF 6	4'-9" TO 6'-1"



T419

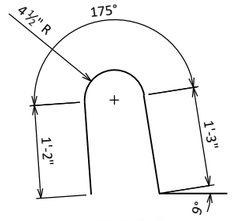
⬟ ADHESIVE ANCHORS NO. 4 BAR EMBED 5" INTO APPROACH SLAB

BILL OF BARS

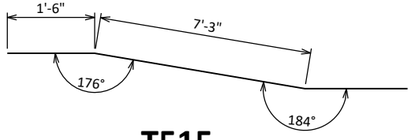
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	SOUTH APPR. SLAB	NORTH APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	30	30	12'-2"	X		APPROACH SLAB FOOTING - STIRRUP - VERT.
T802	X	8	8	29'-11"			APPROACH SLAB FOOTING - TRANS.
T803	X	50	50	21'-6"	X		APPROACH SLAB - BOT. - LONGIT.
T504	X	42	42	29'-11"			APPROACH SLAB - TOP & BOTTOM - TRANS.
T505	X	20	20	4'-1"	X		APPROACH SLAB - TOP @ EDGES - TRANS.
T506	X	31	31	19'-8"			APPROACH SLAB - TOP - LONGIT.
T807	X	4	4	28'-7"			APPROACH SLAB - FOOTING - NOTCHES - TRANS.
T508	X	2	2	8'-10"	X		APPROACH SLAB - FOOTING - STIRRUP - NOTCHES - VERT.
T509	X	17	17	4'-5"	X		PARAPET - VERT.
T510	X	17	17	6'-8"	X		PARAPET - VERT.
T511	X	12	12	2'-9"	X		PARAPET - VERT.
T512	X	17	17	4'-4"	X		PARAPET - VERT.
T513	X	5	5	6'-5"	X		PARAPET - VERT.
T514	X	6	6	6'-6"	X		PARAPET - VERT.
T515	X	1	1	19'-8"	X		PARAPET - HORIZ.
T516	X	5	5	19'-8"			PARAPET - HORIZ.
T517	X	6	6	5'-5"	X	⚹	PARAPET - VERT.
T518	X	2	2	19'-8"	X		PARAPET - HORIZ.
T419	X	42	42	2'-6"	X		SLAB & INTO MEDIAN - VERT.
T420	X	5	5	19'-8"			MEDIAN - TOP - LONGIT.
T521	X	21	21	3'-3"	X		MEDIAN - TOP - TRANS.

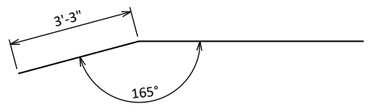
⚹ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



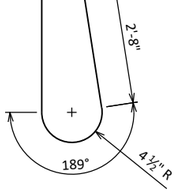
T509



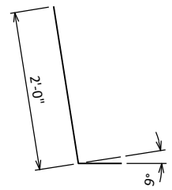
T515



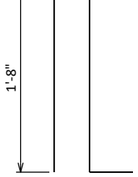
T518



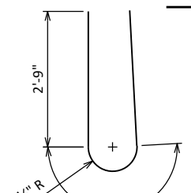
T510



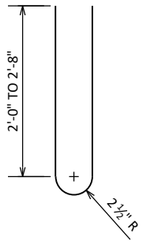
T511



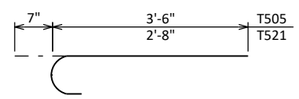
T512



T514

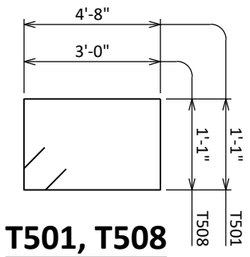


T517

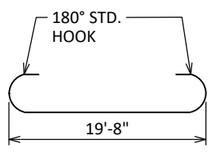


T505, T521

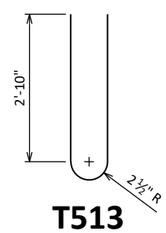
STD. 180° HOOK



T501, T508



T803



T513

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

STRUCTURAL APPROACH SLAB DETAILS

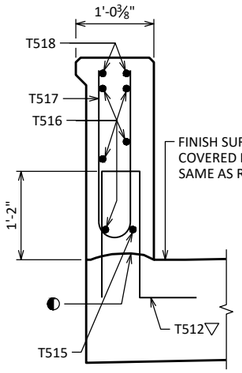
SHEET 17
1183

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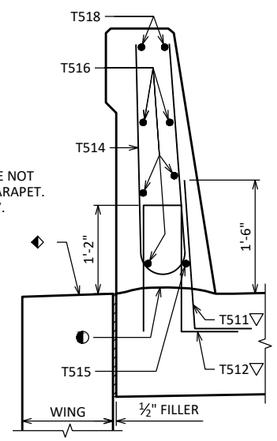
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STATE PROJECT NUMBER

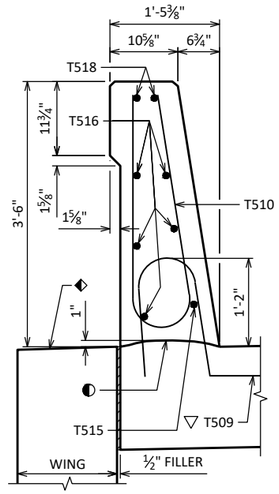
5992-11-22



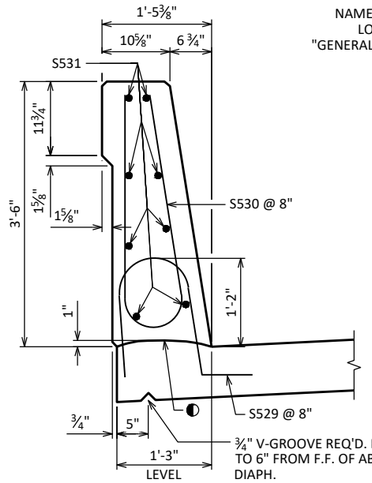
SECTION A-A



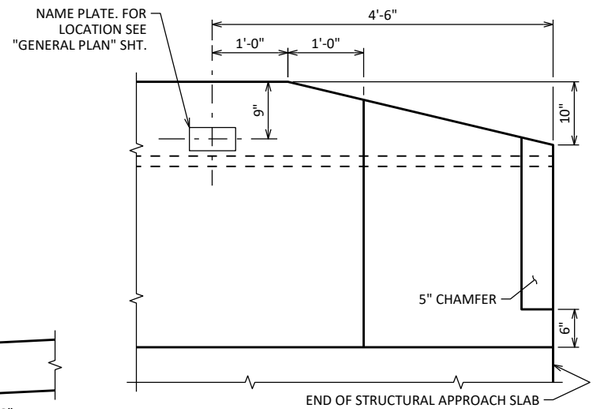
SECTION B-B



SECTION C-C

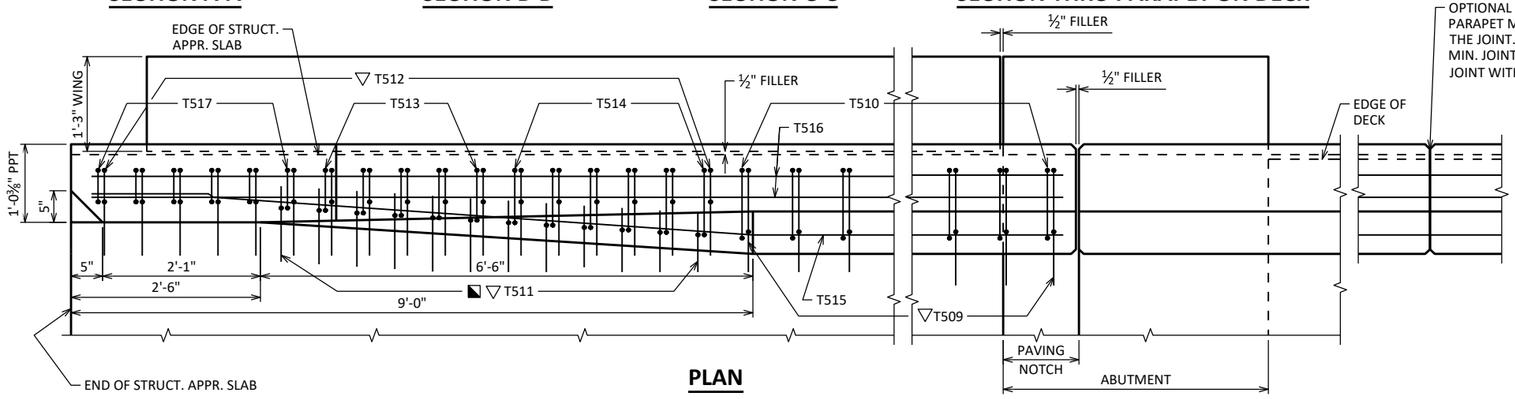


SECTION THRU PARAPET ON DECK



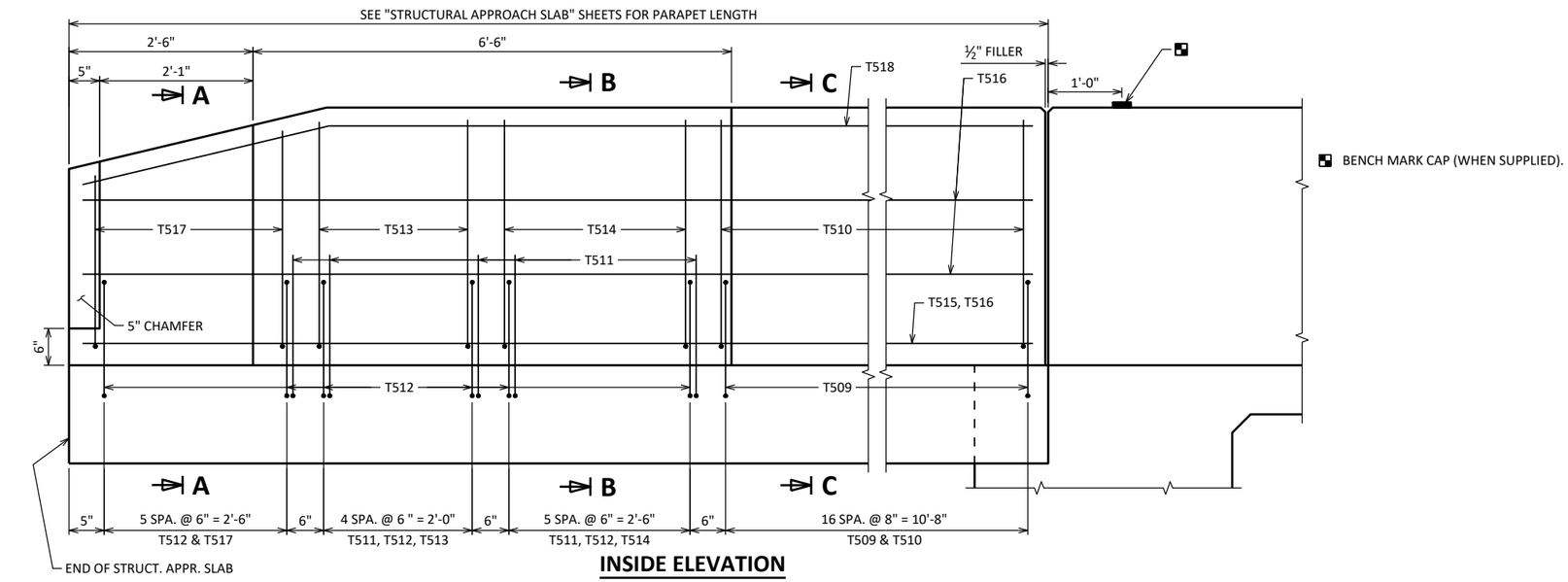
PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET



PLAN

SOUTHWEST CORNER SHOWN, NORTHWEST SIMILAR



INSIDE ELEVATION

SOUTHWEST CORNER SHOWN, NORTHWEST SIMILAR
WING & STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

■ BENCH MARK CAP (WHEN SUPPLIED).

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◆ SLOPE FOR DRAINAGE

◥ USE CARE TO PLACE T511 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ T509, T511, AND T512 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY EKK | PLANS CK'D JDH

SINGLE SLOPE PARAPET 42SS

SHEET 18
1184

SCALE = 2.00

8

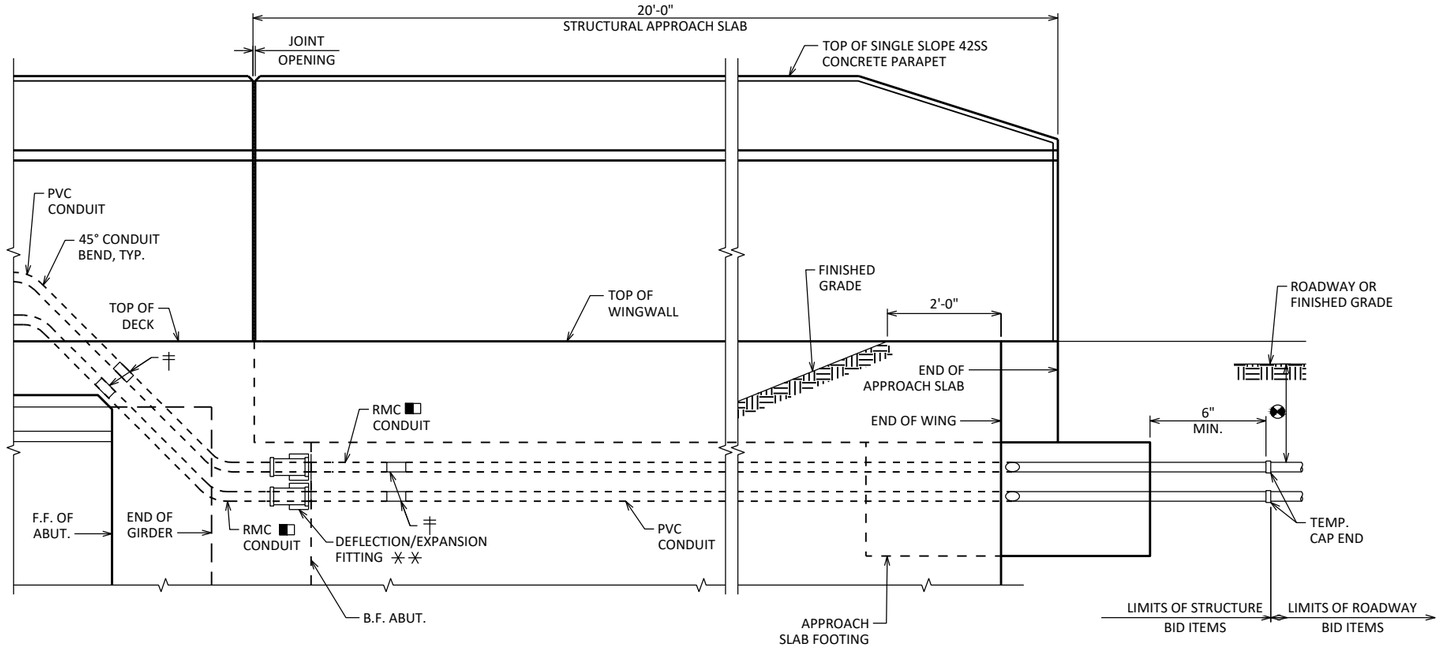
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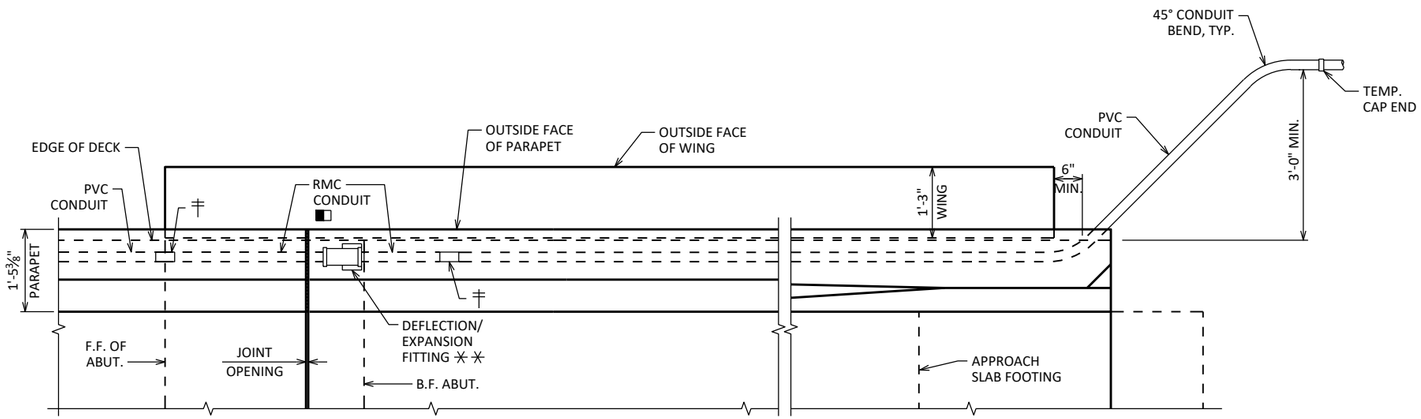
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STATE PROJECT NUMBER

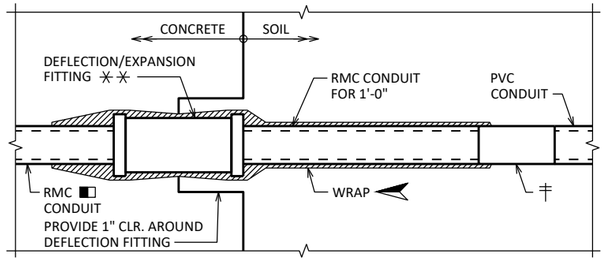
5992-11-22



OUTSIDE ELEVATION OF PARAPET AT WINGWALL



PLAN OF PARAPET AT WINGWALL



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY. (CONCRETE TO SOIL FITTING)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON THE CONCRETE SIDE OF THE FITTING AND FOR 1'-0" ON THE SOIL SIDE OF THE FITTING.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- DEFLECTION/EXPANSION FITTING REQUIREMENTS (IF USED):
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY JDH | PLANS CK'D NRT

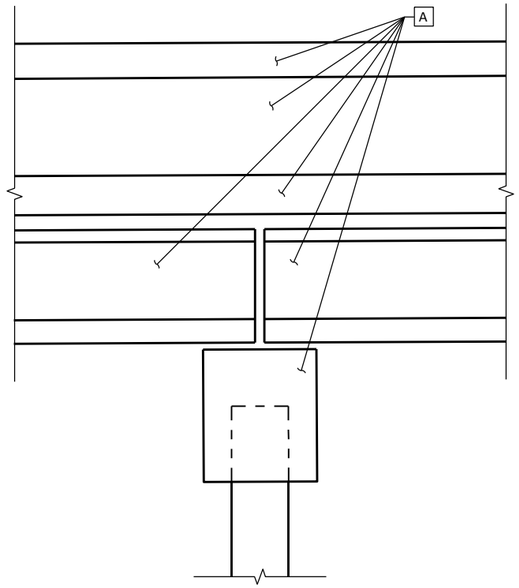
ELECTRICAL DETAILS AT ABUTMENTS

SHEET 19
1185

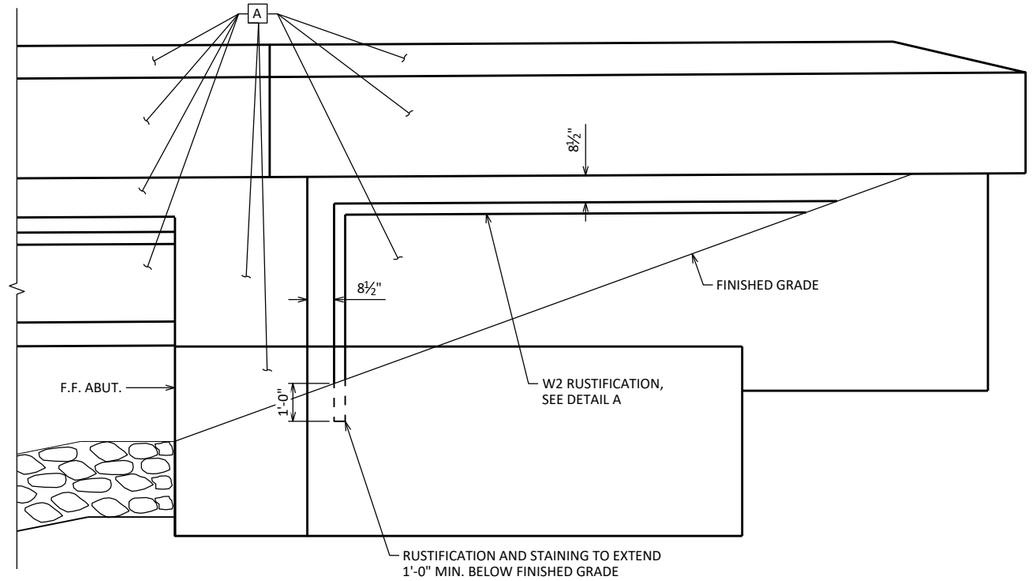
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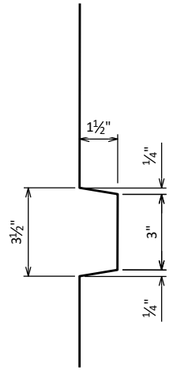
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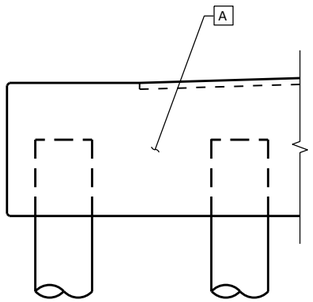
OUTSIDE ELEVATION STAINING DETAIL AT PIER



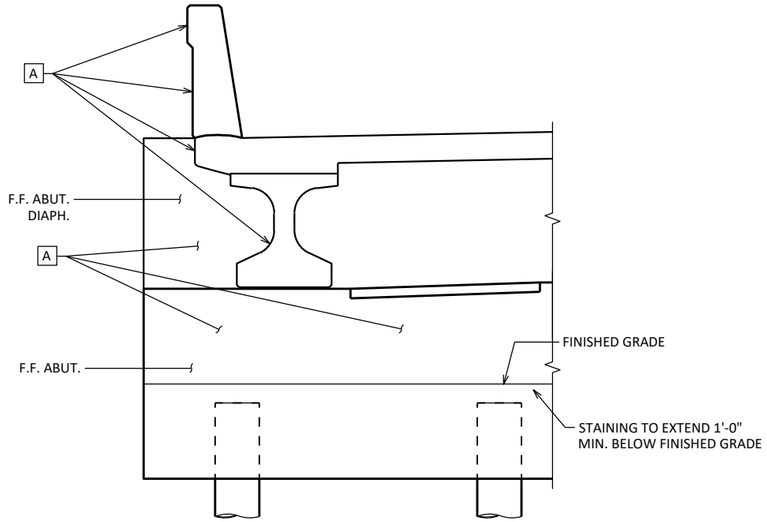
OUTSIDE ELEVATION STAINING DETAIL AT ABUTMENTS



DETAIL A



FRONT ELEVATION STAINING DETAIL AT PIER



FRONT ELEVATION STAINING DETAIL AT ABUTMENTS

CONCRETE STAINING SCHEDULE

MARK	COLOR	FEDERAL COLOR NUMBER	LOCATION
A	PEARL GRAY	26622	EXTERIOR FACE OF PARAPET, EXTERIOR FACE OF DECK, EXTERIOR FACE OF WEST EXTERIOR GIRDER, FRONT FACE OF WEST EXTERIOR BAY ABUTMENT DIAPHRAGM, EXPOSED FACES OF PIER CAP, AND EXPOSED FACES OF ABUTMENTS AND WINGS

NOTES

DO NOT PLACE FINAL RIPRAP HEAVY WITHIN 1'-6" OF WING AND ABUTMENT SURFACES TO BE STAINED UNTIL STAINING AND RUSTIFICATION IS COMPLETE.

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NO.	DATE	REVISION	BY

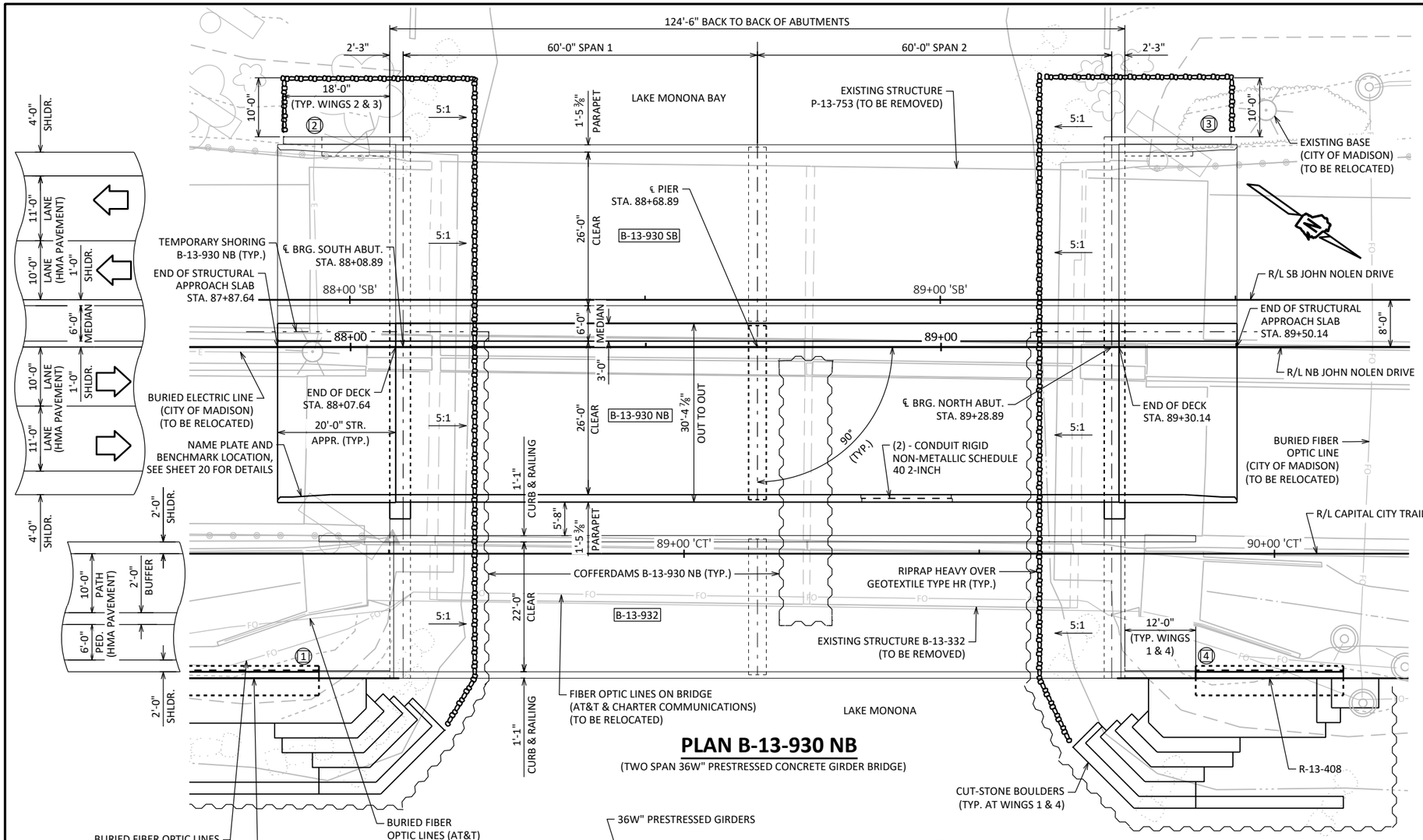
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 SB

DRAWN BY JDH | PLANS CK'D NRT

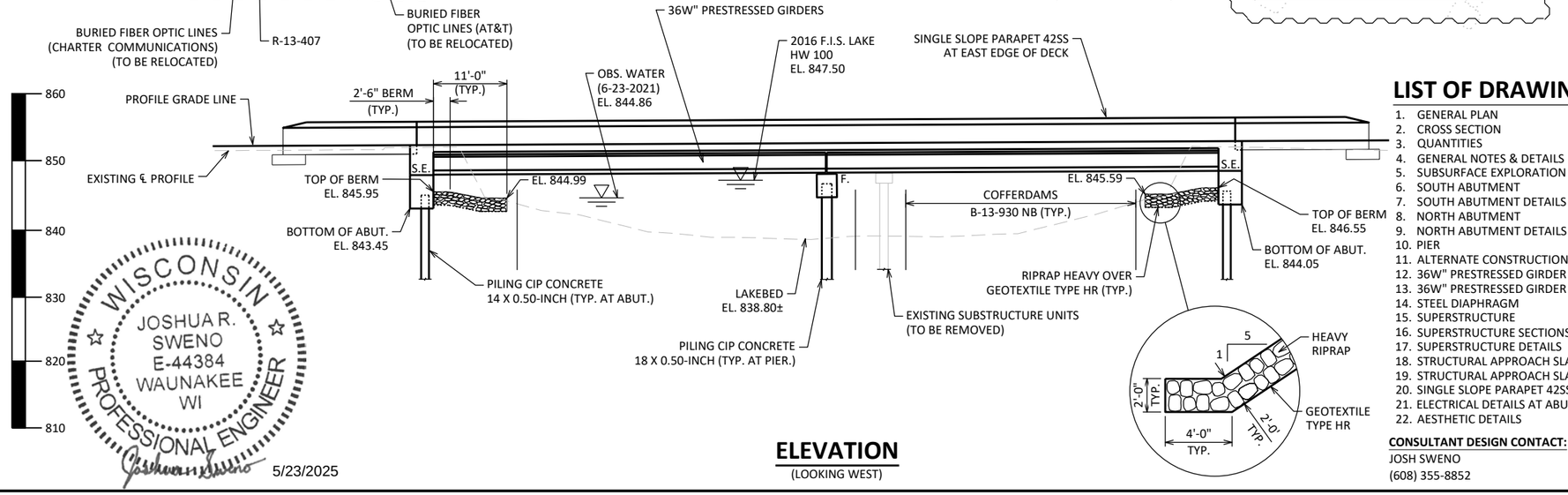
AESTHETIC DETAILS

SHEET 20
1186



PLAN B-13-930 NB

(TWO SPAN 36W" PRESTRESSED CONCRETE GIRDER BRIDGE)



ELEVATION

(LOOKING WEST)

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER

5/23/2025

DESIGN DATA

STATE PROJECT NUMBER

5992-11-23

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.51
OPERATING RATING: RF = 1.95
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

RATINGS INCLUDE A 5 POUND PER SQUARE FOOT LOAD FOR THE POLYMER OVERLAY.

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE & STRUCTURAL APPROACH SLAB — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI
- STAINLESS, GRADE 60 — f_y = 60,000 PSI

36W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 240 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 115'-0" LONG AT NORTH ABUTMENT.
ESTIMATED 105'-0" LONG AT SOUTH ABUTMENT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 405 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
ESTIMATED 115'-0" LONG AT PIER.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= N/A
V_{100}= N/A
HW_{100}= EL. 847.50 (PER 2016 DANE COUNTY F.I.S.)
WATERWAY AREA = N/A
DRAINAGE AREA = N/A
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

10-YEAR FREQUENCY:

Q_{10}= N/A
V_{10}= N/A
HW_{10}= EL. 846.20 (PER 2016 DANE COUNTY F.I.S.)

(n) INDICATES WING NUMBER

TRAFFIC VOLUME

JOHN NOLEN DRIVE
A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
R.D.S. = 40 MPH

LIST OF DRAWINGS:

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES
4. GENERAL NOTES & DETAILS
5. SUBSURFACE EXPLORATION
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT DETAILS
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. PIER
11. ALTERNATE CONSTRUCTION JOINT
12. 36W" PRESTRESSED GIRDER DETAILS
13. 36W" PRESTRESSED GIRDER & DECK FORMING DETAILS
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE
16. SUPERSTRUCTURE SECTIONS & DETAILS
17. SUPERSTRUCTURE DETAILS
18. STRUCTURAL APPROACH SLAB
19. STRUCTURAL APPROACH SLAB DETAILS
20. SINGLE SLOPE PARAPET 42SS
21. ELECTRICAL DETAILS AT ABUTMENTS
22. AESTHETIC DETAILS

CONSULTANT DESIGN CONTACT:
JOSH SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET, MADISON WI 53704
(608) 242-7779 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED BMK 06/02/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-930 NB

JOHN NOLEN DRIVE NB OVER LAKE MONONA

COUNTY	DANE	~~TOWN/CITY/VILLAGE~~	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	JDH	DESIGNED CK'D	NRT	DRAWN BY	RLR/EKK	PLANS CK'D	JDH

GENERAL PLAN

SHEET 1 OF 22
1187

SCALE = 20

8

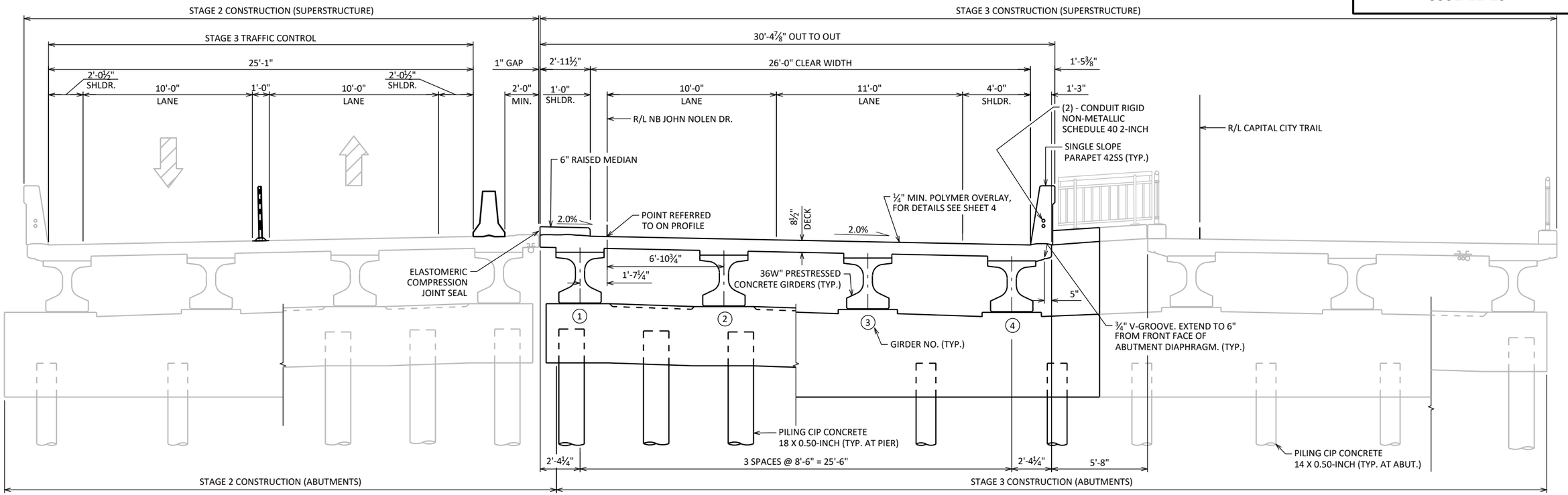
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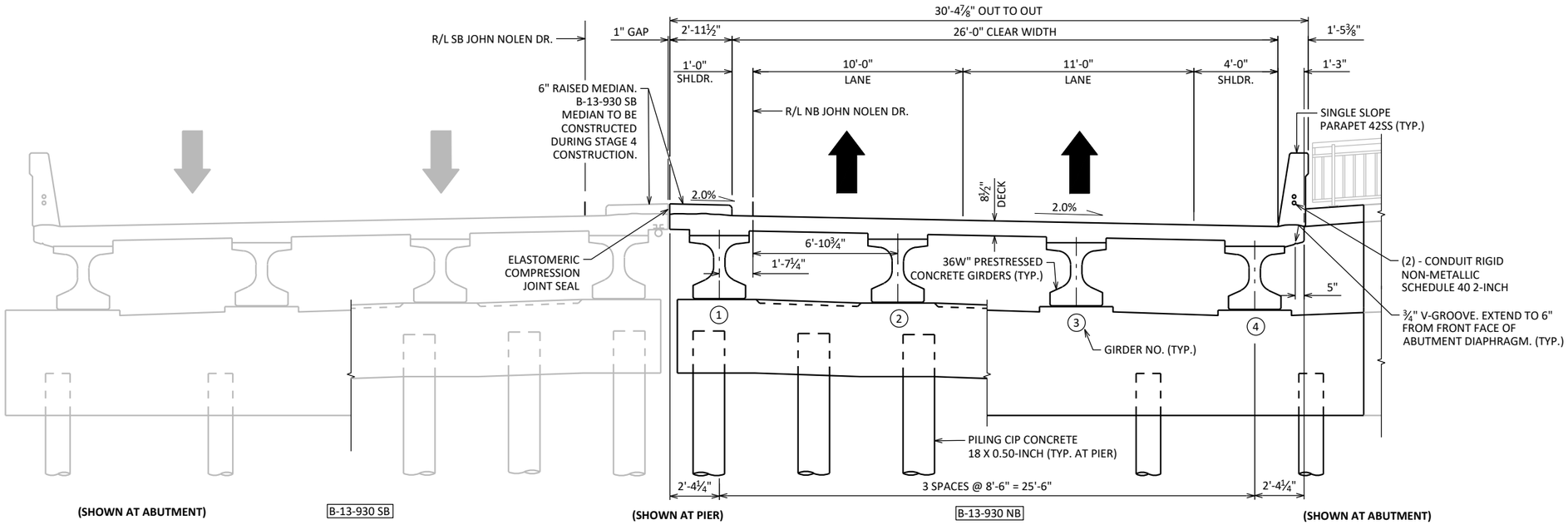
STATE PROJECT NUMBER

5992-11-23



B-13-930 NB STAGE 3 TRAFFIC CONTROL

(LOOKING NORTH)



B-13-930 NB FINISHED SECTION

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

CROSS SECTION

SHEET 2
1188

SCALE = 6

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5/23/2025 11:09 AM

STATE PROJECT NUMBER

5992-11-23

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	SOUTH STRUCT. APPR. SLAB	SOUTH ABUT.	PIER	NORTH ABUT.	NORTH STRUCT. APPR. SLAB	SUPER	TOTAL
203.0260.05	REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS B-13-332	EACH	-	-	-	-	-	-	1
206.1001.05	EXCAVATION FOR STRUCTURES BRIDGES B-13-930 NB	EACH	-	-	-	-	-	-	1
206.5001.05	COFFERDAMS B-13-930 NB	EACH	-	-	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	100	-	100	-	-	200
305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	-	95	-	95	-	-	190
501.1000.S	ICE HOT WEATHER CONCRETING	LB	316	162	93	162	316	1,221	2,270
502.0100	CONCRETE MASONRY BRIDGES	CY	8.3	21.5	12.4	21.6	8.3	-	73
502.2000	COMPRESSION JOINT SEALER PREFORMED ELASTOMERIC 2 1/4-INCH	LF	20	-	-	-	20	123	163
502.3200	PROTECTIVE SURFACE TREATMENT	SY	66	-	-	-	66	417	549
502.3210	PIGMENTED SURFACE SEALER	SY	11	-	-	-	11	61	83
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-	-	-	-	-	483	483
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	-	2,060	5,320	2,060	-	-	9,440
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	7,060	-	40	-	7,060	33,010	47,170
505.0800.S	BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES	LB	-	-	-	-	-	1,060	1,060
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	-	-	-	16	16
506.4000.05	STEEL DIAPHRAGMS B-13-930 NB	EACH	-	-	-	-	-	6	6
509.5100.S	POLYMER OVERLAY	SY	-	-	-	-	-	354	354
511.1200.05	TEMPORARY SHORING B-13-930 NB	SF	-	367	-	367	-	-	734
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	8	-	8	-	-	16
517.1010.S.05	CONCRETE STAINING B-13-930 NB	SF	70	120	245	120	70	898	1,523
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	-	525	-	575	-	-	1,100
606.0300	RIPRAP HEAVY	CY	-	30	-	30	-	-	60
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	-	33	-	33	-	-	66
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	-	36	-	36	-	-	72
645.0120	GEOTEXTILE TYPE HR	SY	-	55	-	55	-	-	110
652.0125	CONDUIT RIGID METALLIC 2-INCH	LF	2	-	-	-	2	12	16
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	46	-	-	-	46	247	339
SPV.0035.201	HPC MASONRY STRUCTURES	CY	33.8	-	-	-	33.8	162.9	231
SPV.0090.201	PILING CIP CONCRETE 18 X 0.50-INCH	LF	-	-	805	-	-	-	805
SPV.0165.203	LONGITUDINAL GROOVING BRIDGE DECK	SF	523	-	-	-	523	3,185	4,231
	NON-BID ITEMS								
	FILLER	SIZE	--	--	--	--	--	--	½", ¾" 1 ½"
	NAME PLATE								

ALL BID ITEMS SHOWN ARE IN CATEGORY 0010.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

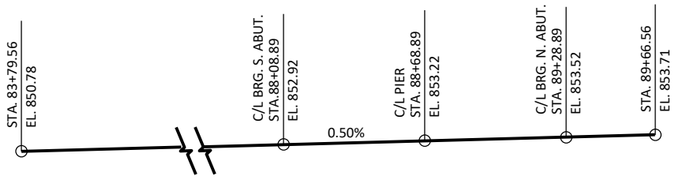
STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

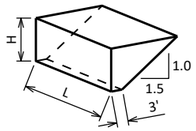
QUANTITIES

SHEET 3
1189

SCALE = 6

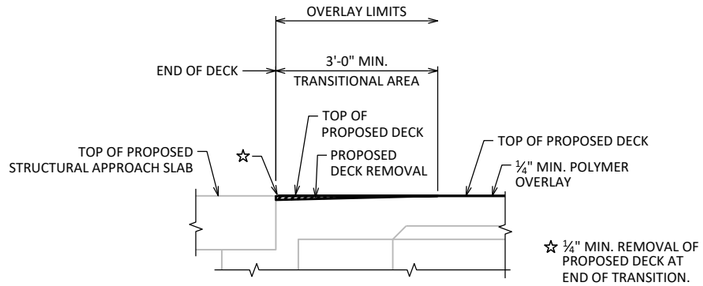


PROFILE GRADE LINE - JND NB



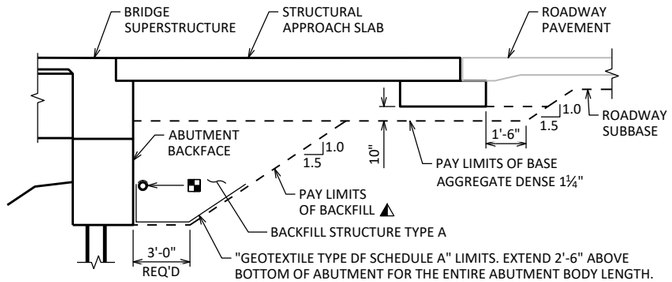
ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS ELEVATIONS ARE BASED ON GEOID 12B.

LOCATION OF UTILITIES SHOWN ON PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES IN THE AREA THAT ARE NOT SHOWN.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-930 NB" SHALL BE THE EXISTING GROUNDLINE.

THE EXISTING LAKEBED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR THE PIER.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A. ALSO EXCLUDED IS THE "BASE AGGREGATE DENSE 1 1/4-INCH" AS DETAILED ON THE STRUCTURAL APPROACH SLAB SHEETS.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-6" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND APPROACH SLAB SURFACES, TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS, AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE RAISED MEDIAN.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE INSIDE FACES, THE TOP FACES, AND THE ENDS OF THE PARAPET.

CONCRETE IN THE FOLLOWING COMPONENTS TO BE PAID FOR AS "HPC MASONRY STRUCTURES".
- DECK SLAB, INCLUDING HAUNCHES
- ABUTMENT AND PIER DIAPHRAGMS
- RAISED MEDIAN ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- PARAPET ON BRIDGE AND ON THE STRUCTURAL APPROACH SLAB
- STRUCTURAL APPROACH SLABS (NOT THE APPROACH SLAB FOOTINGS)

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 13.

THIS STRUCTURE WILL REPLACE THE EXISTING STRUCTURE, B-13-332, A 110.7 FT LONG, TWO SPAN PRESTRESSED CONCRETE GIRDER BRIDGE ON FULL RETAINING CONCRETE ABUTMENTS AND ON PILE ENCASED CONTINUOUS CONCRETE PIERS, CONTINUOUS WITH THE ADJACENT STRUCTURE P-13-753. THE STRUCTURE HAS A 41.0 FT OUT TO OUT WIDTH. ORIGINAL 1975 PLANS ARE AVAILABLE THROUGH THE WISCONSIN DEPARTMENT OF TRANSPORTATION HSI DATABASE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-930 NB".

AT ABUTMENTS CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREA ARE INCLUDED IN THE BID ITEM " POLYMER OVERLAY" AND IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED.

LONGITUDINAL GROOVING BRIDGE DECK SHALL BE APPLIED TO THE TRAFFIC LANES AND SHOULDERS OF THE BRIDGE DECK AND THE STRUCTURAL APPROACH SLABS.

STATE PROJECT NUMBER

5992-11-23

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

GENERAL NOTES & DETAILS

SHEET 4
1190

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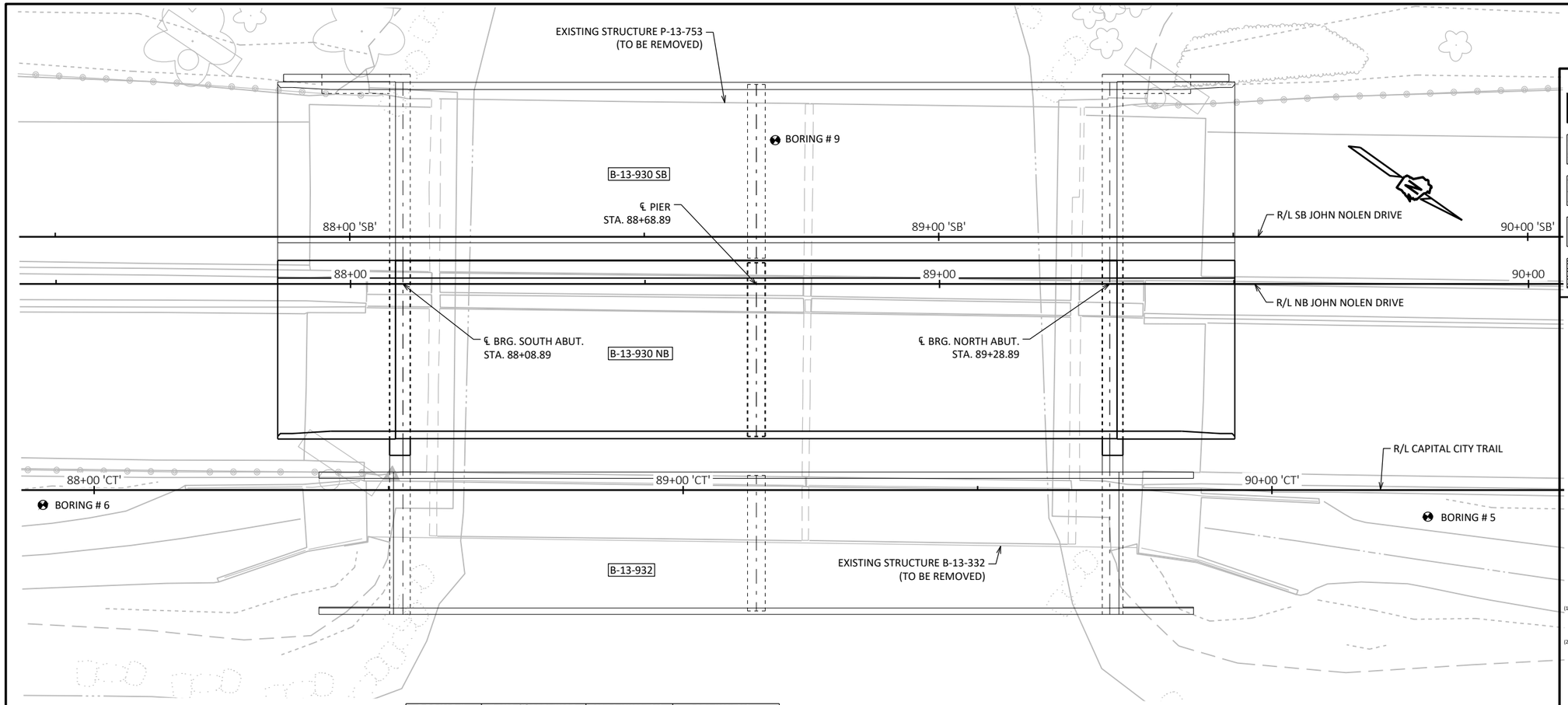
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STATE PROJECT NUMBER

5992-11-23



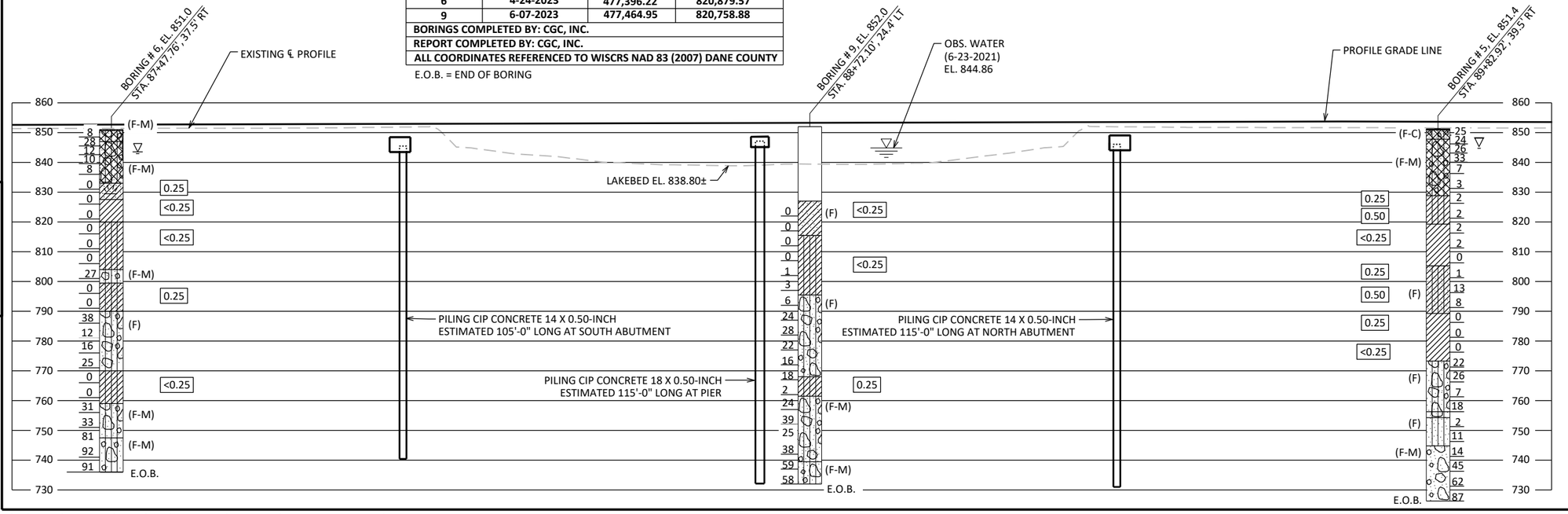
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4-26-2023	477,592.58	820,750.16
6	4-24-2023	477,396.22	820,879.57
9	6-07-2023	477,464.95	820,758.88

BORINGS COMPLETED BY: CGC, INC.

REPORT COMPLETED BY: CGC, INC.

ALL COORDINATES REFERENCED TO WISCRS NAD 83 (2007) DANE COUNTY

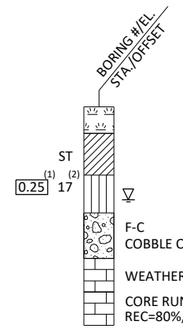
E.O.B. = END OF BORING



MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

SUBSURFACE EXPLORATION

SHEET 5
1191

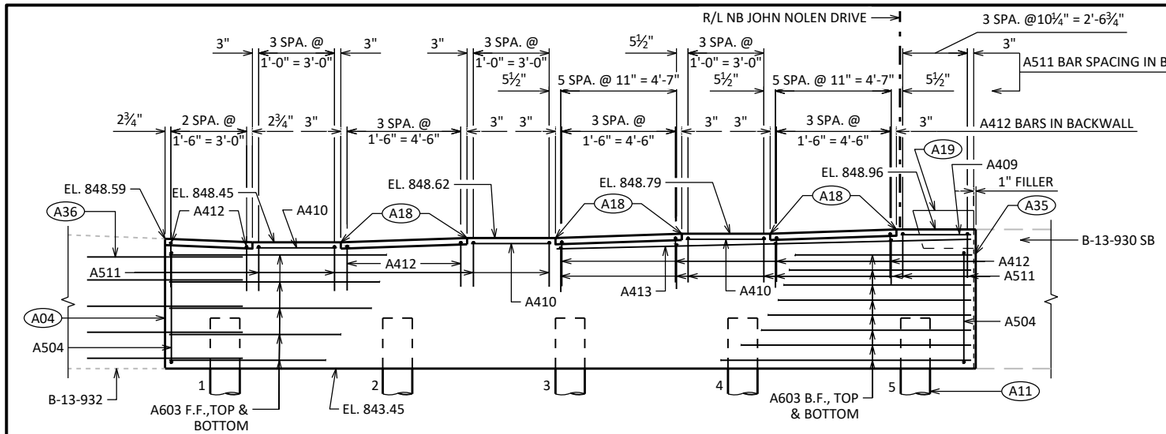
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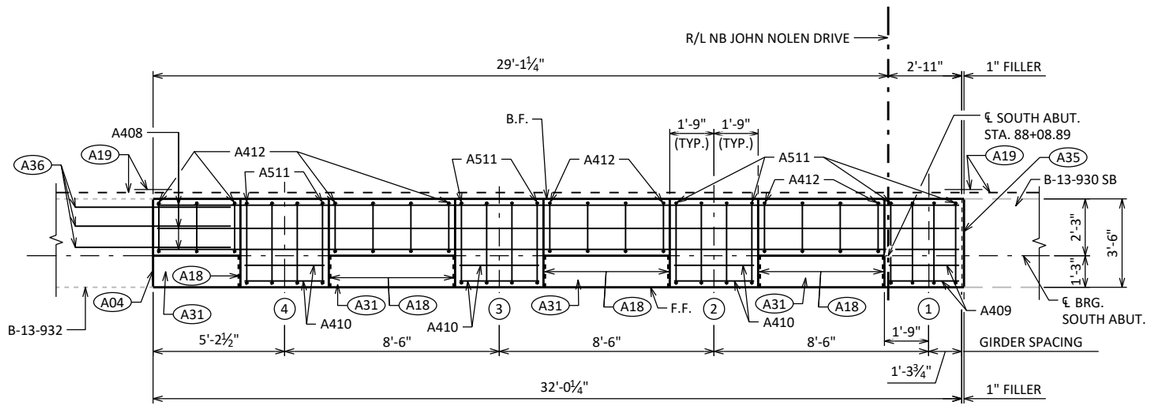
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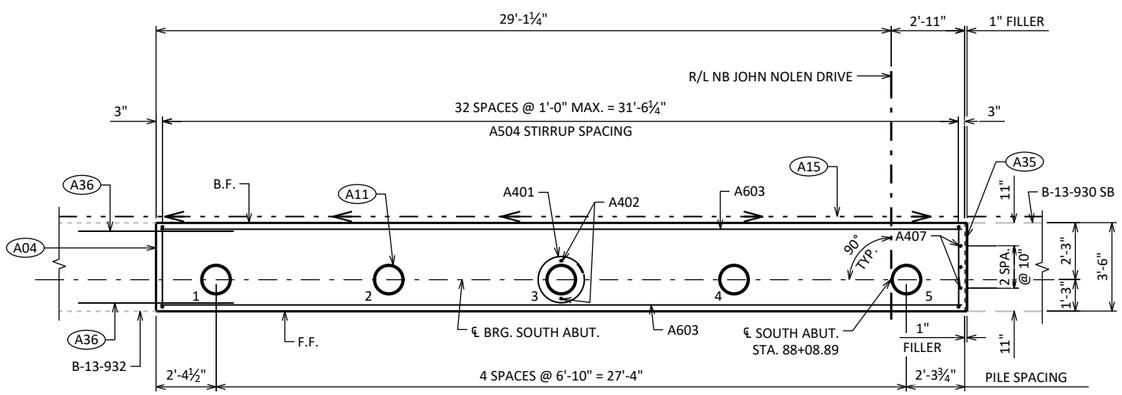


FRONT FACE BAR STEEL REINF. **BACK FACE BAR STEEL REINF.**

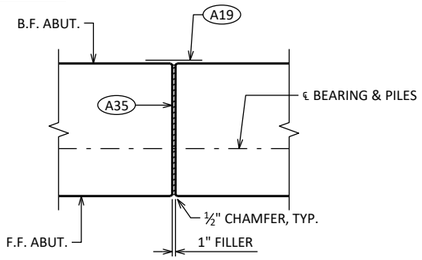
ELEVATION
(LOOKING SOUTH)



PLAN



PILE PLAN



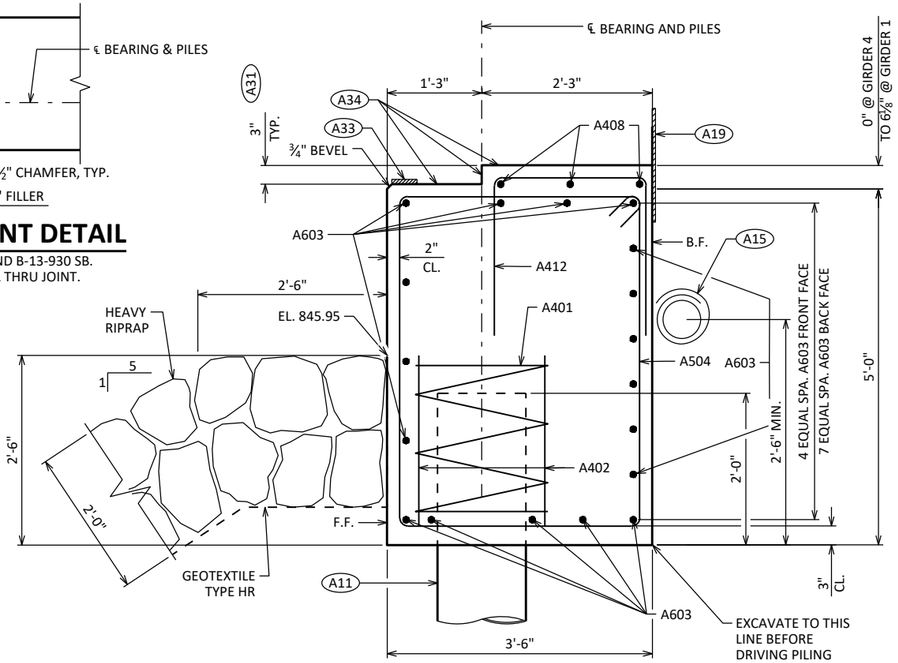
EXPANSION JOINT DETAIL
BETWEEN B-13-930 NB AND B-13-930 SB.
DO NOT RUN BAR STEEL THRU JOINT.

FOR BAR BENDS AND BILL OF BARS SEE SHEET 7.

BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.

STATE PROJECT NUMBER

5992-11-23



TYPICAL SECTION THRU ABUTMENT

LEGEND

◯ - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A11) SUPPORT ABUTMENT ON PILING CIP CONCRETE 14 X 0.50-INCH, ESTIMATED 105'-0" LONG AT THE SOUTH ABUTMENT WITH A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

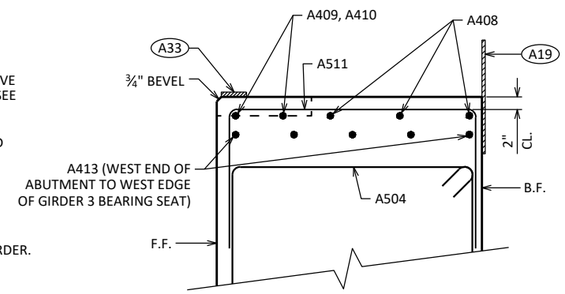
(A31) SEMI-EXPANSION POCKET. CONSTRUCT 3" DEEPER THAN SURROUNDING BEAM SEATS AND BACKWALL.

(A33) 4" X ½" PREFORMED JOINT FILLER, EXTEND FULL LENGTH OF ABUTMENT.

(A34) STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03 INCHES.

(A35) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB ABUTMENTS. 1" FILLER, EXTEND AS SHOWN BETWEEN ABUTMENTS. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(A36) DOWEL BAR AT CONTRACTION JOINT A605 F.F., B.F., TOP & BOTTOM AND A406 B.F. SEMI-EXP. POCKET. CENTER BAR ON JOINT. LAP TO HORIZ. BARS.



TOP OF ABUTMENT @ BEARING SEATS
SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK PLANS CK'D JDH

SOUTH ABUTMENT

SHEET 6
1192

8

8

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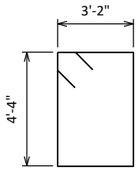
STATE PROJECT NUMBER

5992-11-23

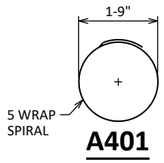
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

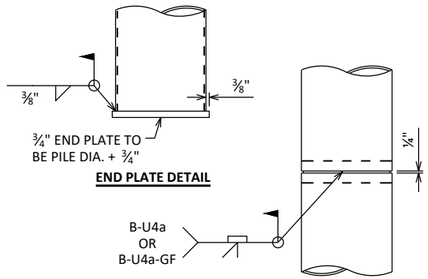
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		5	28'-0"	X		AT BODY PILES - 1 PER PILE 5 SPIRAL WRAPS
A402		10	2'-3"			AT BODY PILES - 2 PER PILE - VERT.
A603		18	31'-8"			ABUT. BODY - F.F. & B.F., TOP & BOTTOM - HORIZ.
A504		33	15'-8"	X		ABUT. BODY - STIRRUPS - VERT.
A605		18	6'-2"			ABUT. BODY - F.F. & B.F., TOP & BOTTOM DOWELS - HORIZ.
A406		3	4'-2"			ABUT. BODY - B.F. SEMI-EXP. POCKET DOWELS - HORIZ.
A407		3	5'-1"			ABUT. BODY - END @ MEDIAN - VERT.
A408		3	31'-8"			ABUT. TOP - B.F. SEMI-EXP. POCKET - HORIZ.
A409		2	2'-8"			ABUT. TOP - F.F. - GIRDER 1 - HORIZ.
A410		6	3'-2"			ABUT. TOP - F.F. - GIRDER 2 - 4 - HORIZ.
A511		28	6'-5"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
A412		15	5'-3"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
A413		5	16'-6"			ABUT. BODY TOP - HORIZ.



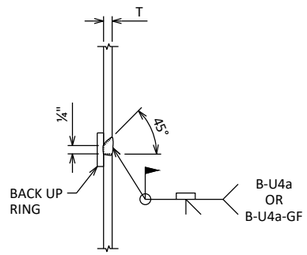
A504



A401

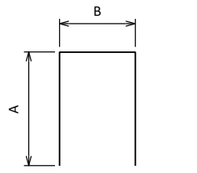


CAST-IN-PLACE 'PIPE' PILE



C.I.P. PILE WELD DETAIL

CIP PILE DETAILS



MARK	A	B
A511	1'-9"	3'-2"
A412	1'-9"	1'-11"

8

8

NO.	DATE	REVISION	BY

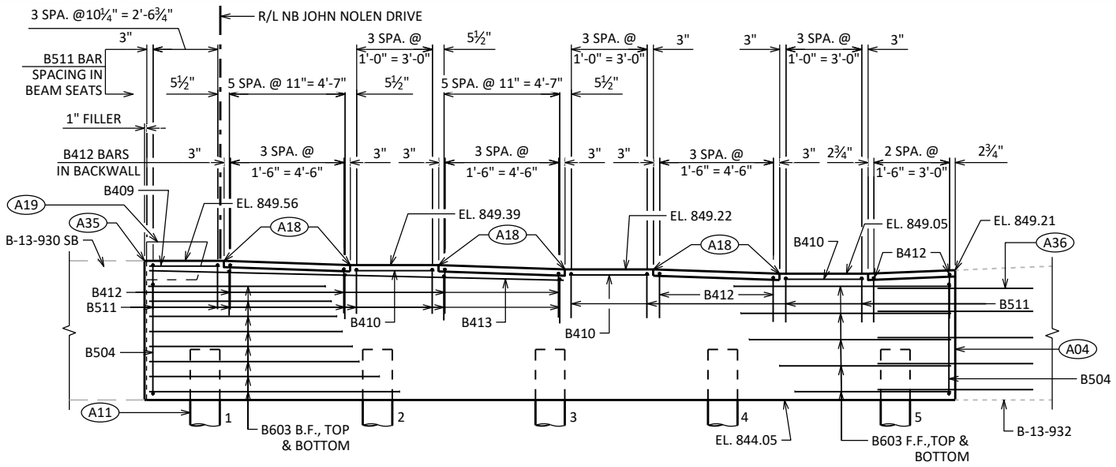
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

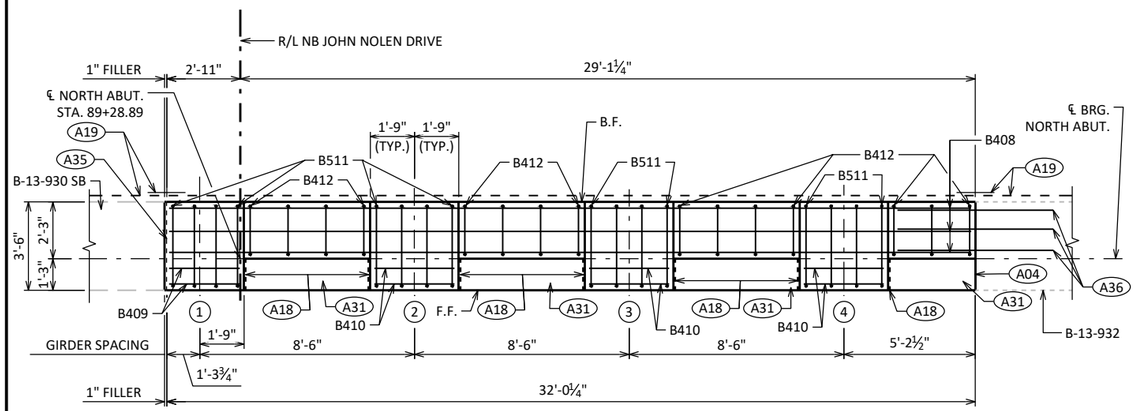
SOUTH ABUTMENT DETAILS

SHEET 7
1193

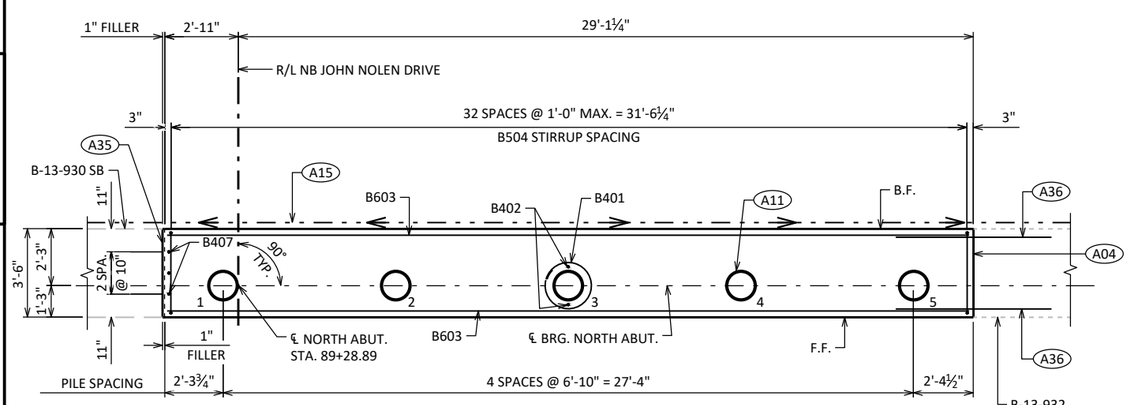


BACK FACE BAR STEEL REINF. **FRONT FACE BAR STEEL REINF.**

ELEVATION
(LOOKING NORTH)



PLAN



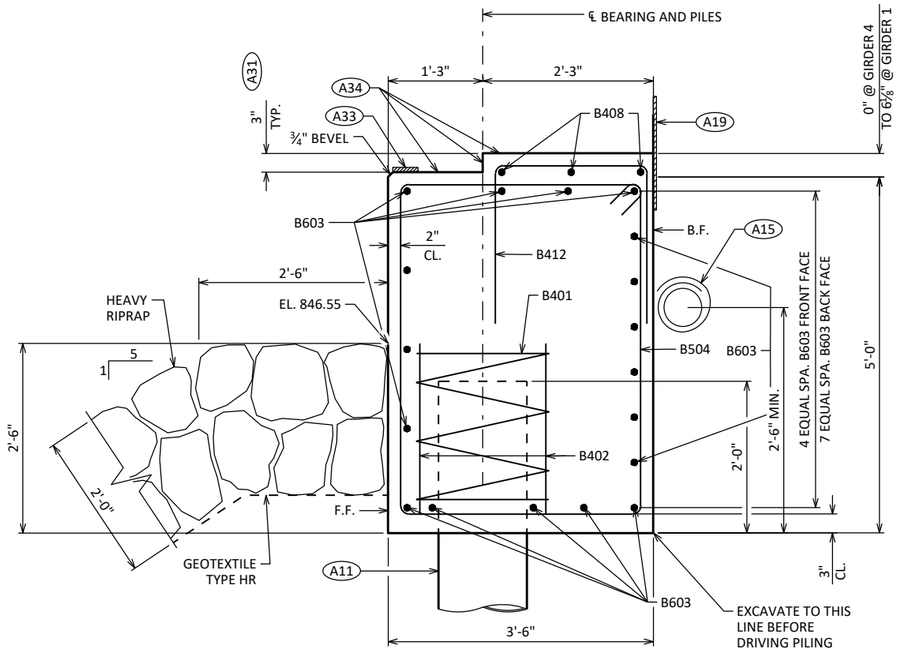
PILE PLAN

FOR EXPANSION JOINT DETAILS SEE SHEET 6.

FOR BAR BENDS AND BILL OF BARS SEE SHEET 9.

BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.

STATE PROJECT NUMBER
5992-11-23



TYPICAL SECTION THRU ABUTMENT

LEGEND

◯ - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

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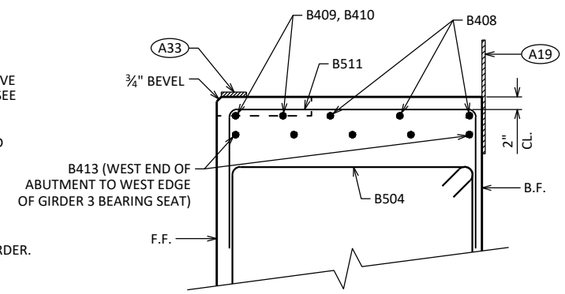
(A31) SEMI-EXPANSION POCKET. CONSTRUCT 3" DEEPER THAN SURROUNDING BEAM SEATS AND BACKWALL.

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(A35) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB ABUTMENTS. 1" FILLER, EXTEND AS SHOWN BETWEEN ABUTMENTS. SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF 1" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).

(A36) DOWEL BAR AT CONTRACTION JOINT B605 F.F., B.F., TOP & BOTTOM AND B406 B.F. SEMI-EXP. POCKET. CENTER BAR ON JOINT. LAP TO HORIZ. BARS.



TOP OF ABUTMENT @ BEARING SEATS

SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

NORTH ABUTMENT

SHEET 8
1194

8

8

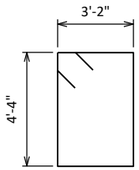
STATE PROJECT NUMBER

5992-11-23

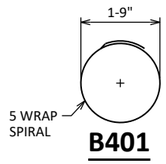
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

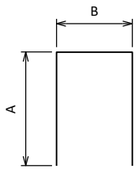
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
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B603		18	31'-8"			ABUT. BODY - F.F. & B.F., TOP & BOTTOM - HORIZ.
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B410		6	3'-2"			ABUT. TOP - F.F. - GIRDER 2 - 4 - HORIZ.
B511		28	6'-5"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
B412		15	5'-3"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
B413		5	16'-6"			ABUT. BODY TOP - HORIZ.



B504



B401



MARK	A	B
B511	1'-9"	3'-2"
B412	1'-9"	1'-11"

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

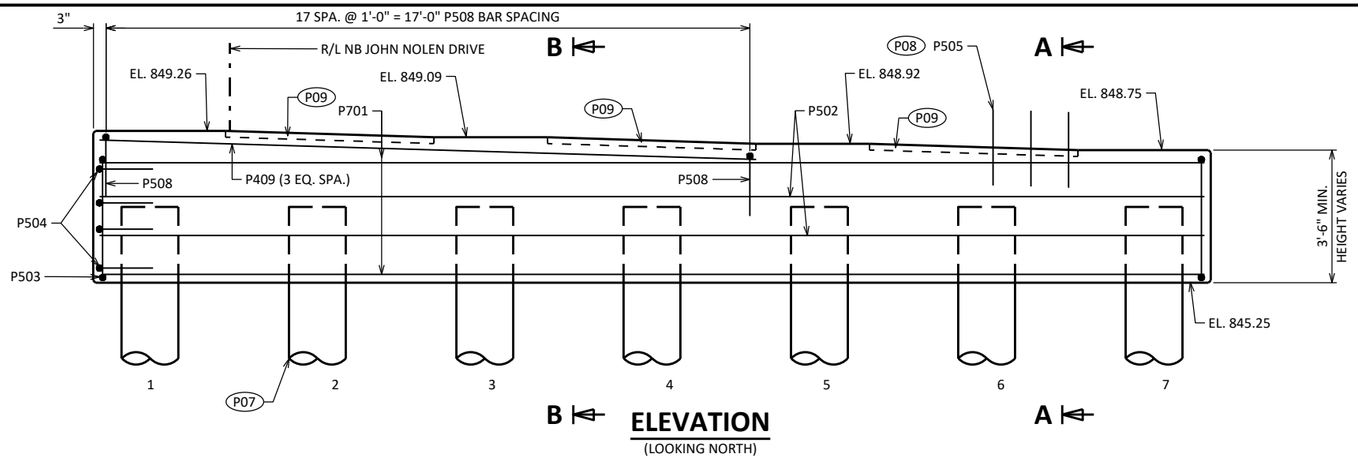
DRAWN BY EKK | PLANS CK'D JDH

NORTH ABUTMENT DETAILS

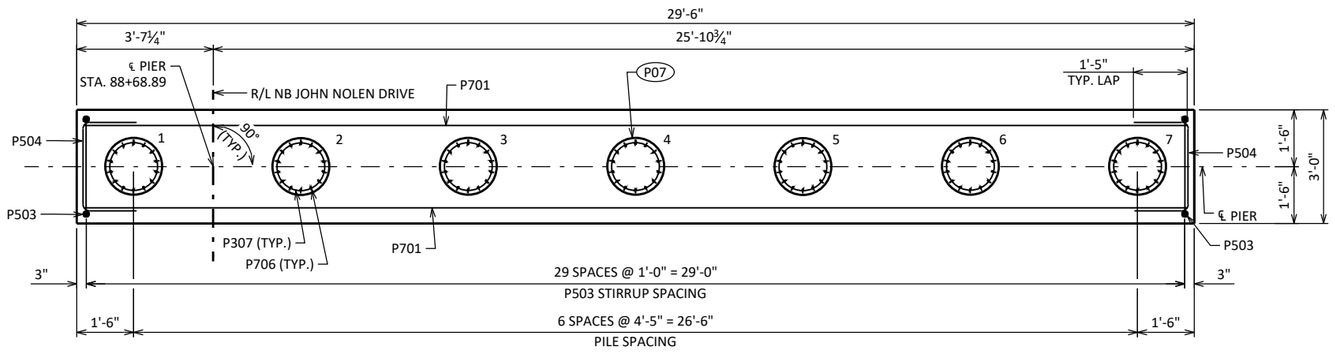
SHEET 9
1195

STATE PROJECT NUMBER

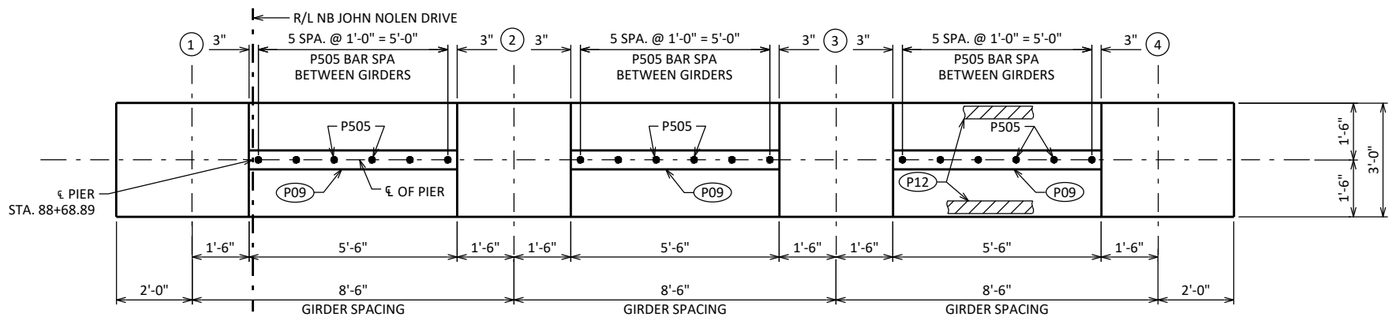
5992-11-23



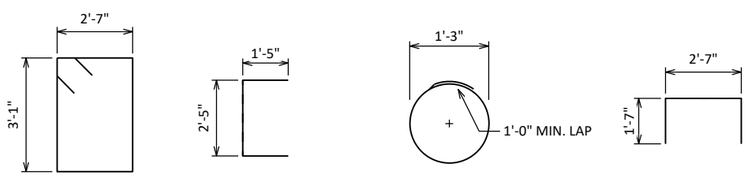
ELEVATION
(LOOKING NORTH)



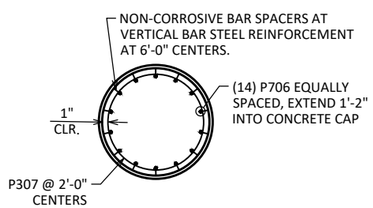
PILE AND REINFORCING PLAN



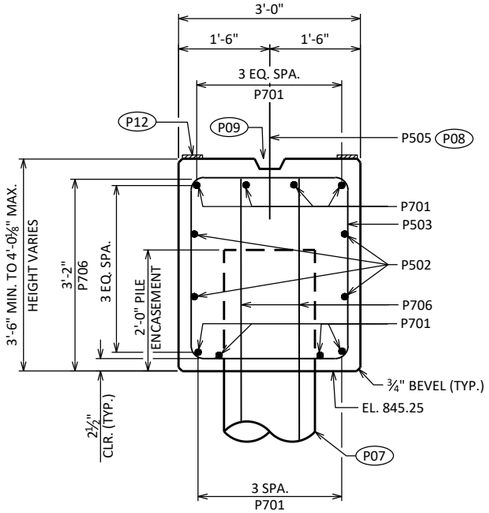
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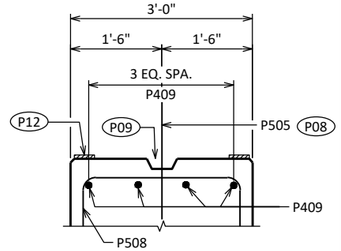
P503 **P504** **P307** **P508**



SECTION THRU PILE



SECTION A-A



SECTION B-B

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P701		8	29'-2"			PIER CAP - TOP & BOTTOM - HORIZ.
P502		4	29'-2"			PIER CAP - SIDES - HORIZ.
P503		30	12'-0"	X		PIER CAP - STIRRUP - VERT.
P504		8	5'-0"	X		PIER CAP - END STIRRUP - HORIZ.
P505	X	18	2'-0"			PIER CAP - DOWELS - VERT.
P706		98	20'-0"			PILE - VERT.
P307		77	5'-0"	X		PILE -TIES - HORIZ.
P508		18	5'-6"	X		PIER CAP TOP - STIRRUP - VERT.
P409		4	17'-0"			PIER CAP TOP - HORIZ.

NOTES

P07 SUPPORT PIER ON PILING CIP CONCRETE 18 X 0.50-INCH, ESTIMATED 115'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 405 TONS PER PILE.

P08 P505 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

P09 KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6".

P12 4" X ¾" PREFORMED FILLER BETWEEN GIRDERS.

◯ INDICATES GIRDER NUMBER.

PILES SHALL BE PAINTED IN ACCORDANCE WITH SECTION 550.3.11.3 OF THE STANDARD SPECIFICATIONS.

FOR PILE SPLICE DETAILS SEE SHEET 7.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

PIER

SHEET 10
1196

8

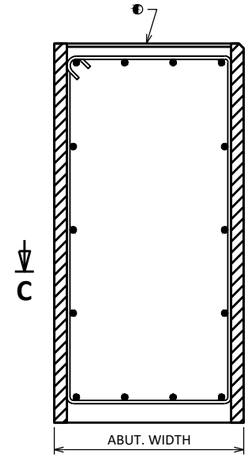
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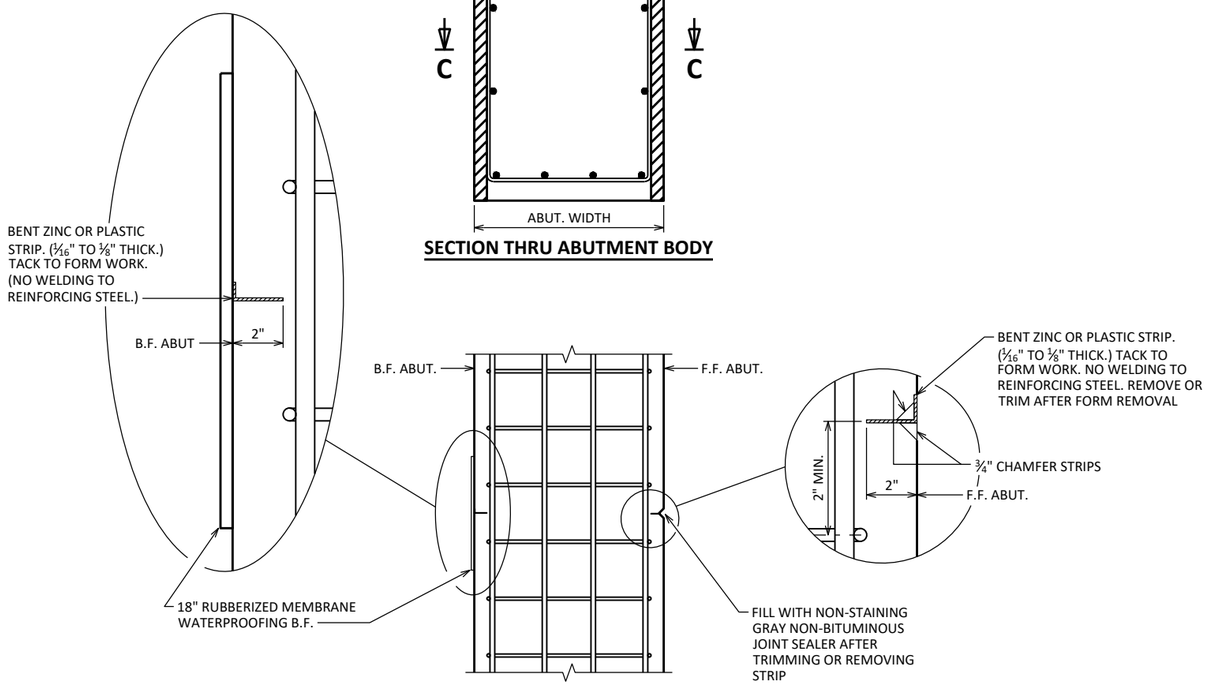
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STATE PROJECT NUMBER

5992-11-23



SECTION THRU ABUTMENT BODY



SECTION C-C

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATIVE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◐ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY 1/2" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

ALTERNATE CONSTRUCTION JOINT

SHEET 11
1197

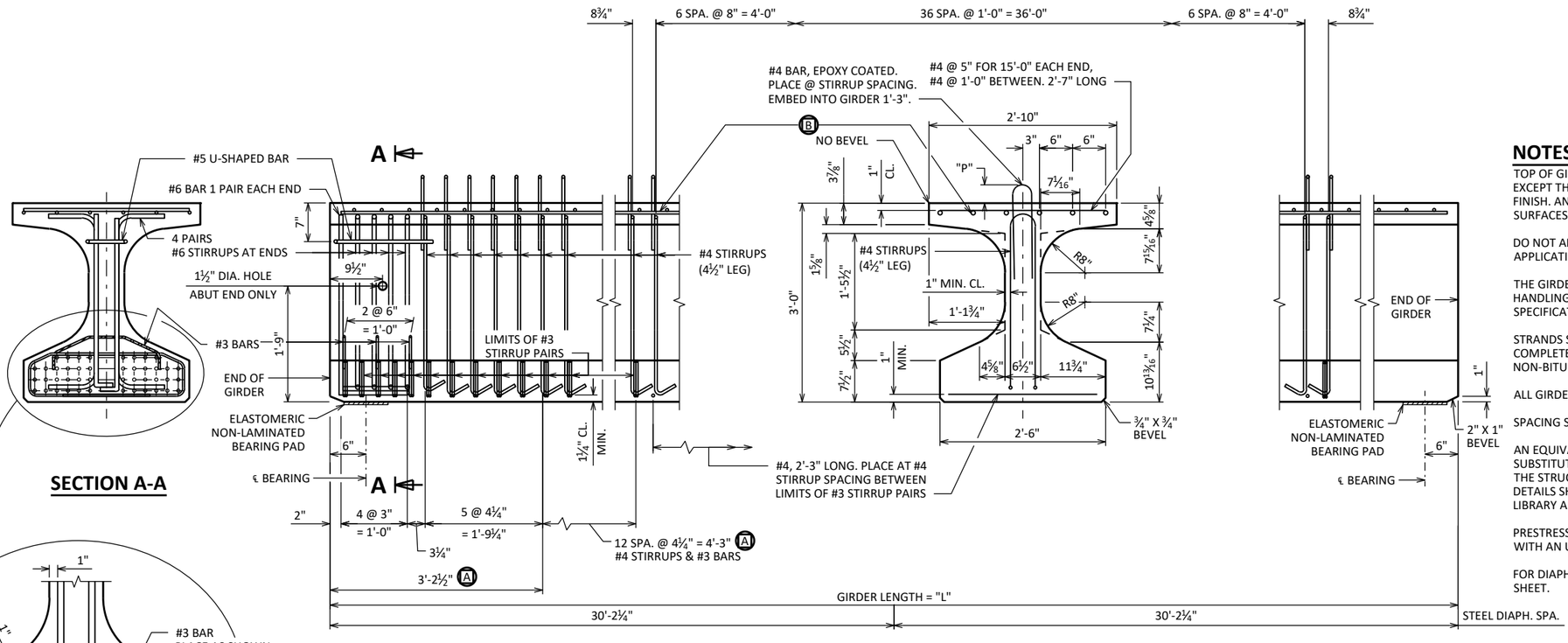
SCALE = 2.00

8

8

STATE PROJECT NUMBER

5992-11-23



SECTION A-A

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER.

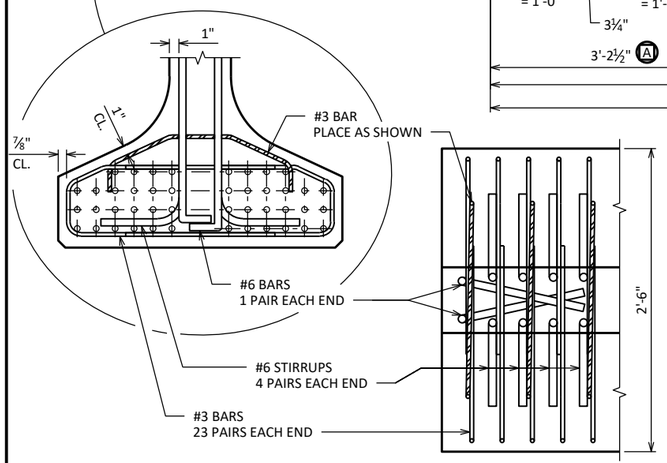
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DESIGN SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

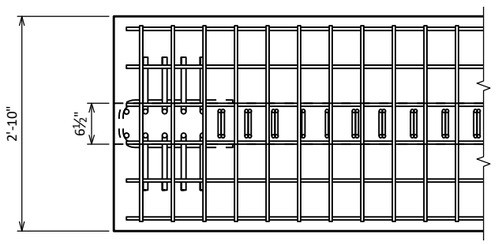


BOTTOM FLANGE

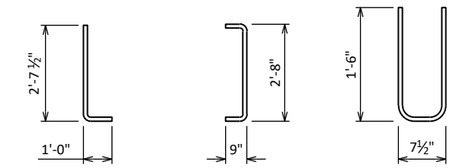
SIDE VIEW & TYPICAL SECTION IN SPAN

Ⓐ DETAIL TYP. AT EACH END

Ⓑ 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5"



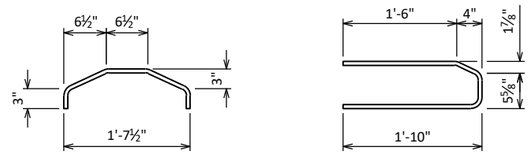
TOP FLANGE



#6 BAR
2 @ EACH END

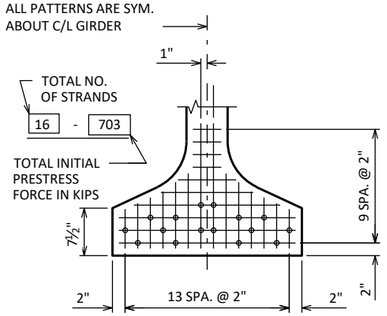
#6 BAR
8 @ EACH END

#5 BAR
1 @ EACH END



#3 BAR
3 @ EACH END
(EPOXY COATED)

#3 BAR
23 PAIRS EACH END
(EPOXY COATED)



TYP. STRAND PATTERN

⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10		1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER		TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1 & 2	1 & 4	60'-4½"	0.1	0.2	0.3	0.4	0.4	0.4	0.3	0.2	0.1	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800
1 & 2	2 & 3	60'-4½"	0.1	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.1	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER DETAILS

SHEET 12
1198

SCALE = 2.00

8

8

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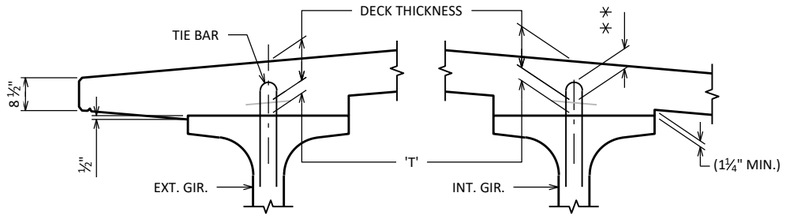
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STATE PROJECT NUMBER

5992-11-23

TOP OF DECK ELEVATIONS

LOCATION	SPAN POINT	WEST DECK EDGE	C/L GIRDER 1	RAISED MEDIAN FRONT FACE	R/L JOHN NOLEN DRIVE NB	C/L GIRDER 2	C/L GIRDER 3	C/L GIRDER 4	EAST DECK EDGE
S. ABUT.	1.0	853.00	852.96	852.94	852.92	852.79	852.62	852.45	852.42
	1.1	853.03	852.99	852.97	852.95	852.82	852.65	852.48	852.45
	1.2	853.06	853.02	853.00	852.98	852.85	852.68	852.51	852.48
	1.3	853.09	853.05	853.03	853.01	852.88	852.71	852.54	852.51
	1.4	853.12	853.08	853.06	853.04	852.91	852.74	852.57	852.54
	1.5	853.15	853.11	853.09	853.07	852.94	852.77	852.60	852.57
	1.6	853.18	853.14	853.12	853.10	852.97	852.80	852.63	852.60
	1.7	853.21	853.17	853.15	853.13	853.00	852.83	852.66	852.63
	1.8	853.24	853.20	853.18	853.16	853.03	852.86	852.69	852.66
	1.9	853.27	853.23	853.21	853.19	853.06	852.89	852.72	852.69
PIER	2.0	853.30	853.26	853.24	853.22	853.09	852.92	852.75	852.72
	2.1	853.33	853.29	853.27	853.25	853.12	852.95	852.78	852.75
	2.2	853.36	853.32	853.30	853.28	853.15	852.98	852.81	852.78
	2.3	853.39	853.35	853.33	853.31	853.18	853.01	852.84	852.81
	2.4	853.42	853.38	853.36	853.34	853.21	853.04	852.87	852.84
	2.5	853.45	853.41	853.39	853.37	853.24	853.07	852.90	852.87
	2.6	853.48	853.44	853.42	853.40	853.27	853.10	852.93	852.90
	2.7	853.51	853.47	853.45	853.43	853.30	853.13	852.96	852.93
	2.8	853.54	853.50	853.48	853.46	853.33	853.16	852.99	852.96
	2.9	853.57	853.53	853.51	853.49	853.36	853.19	853.02	852.99
N. ABUT.	3.0	853.60	853.56	853.54	853.52	853.39	853.22	853.05	853.02



DECK HAUNCH DETAIL

IF 1¾" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁑⁑ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2⅝" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".

⁑ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

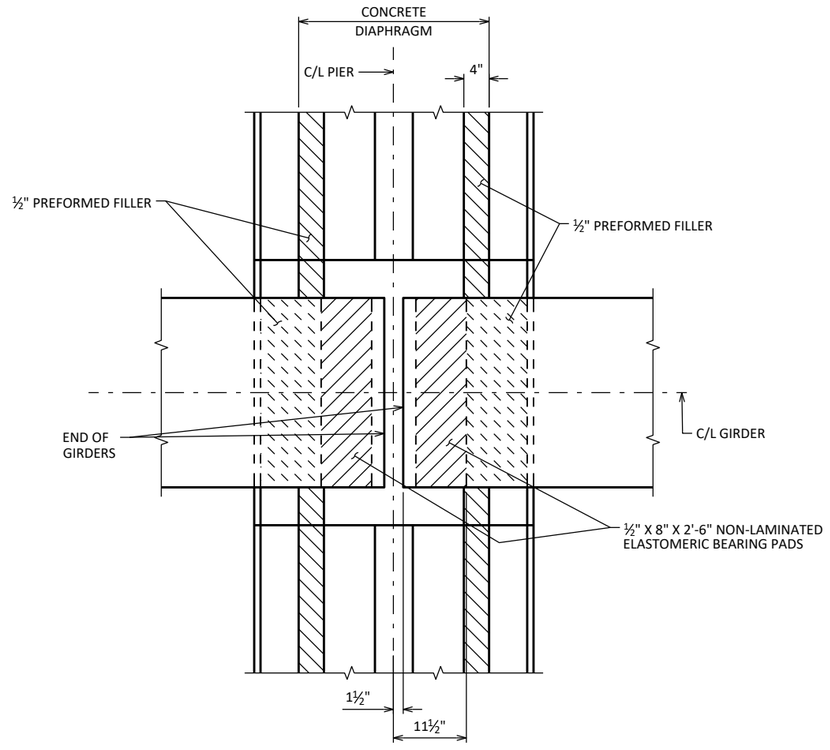
SPAN	CAMBER (IN.) ⁑
1 & 2	1

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

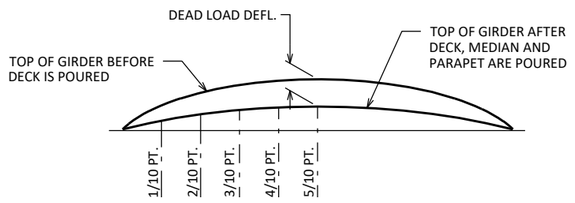
BEARING PAD DETAIL

AT ABUTMENTS



BEARING PAD DETAIL

AT PIER



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER & DECK FORMING DETAILS

SHEET 13
1199

SCALE = 2.00

8

8

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STATE PROJECT NUMBER

5992-11-23

NOTES

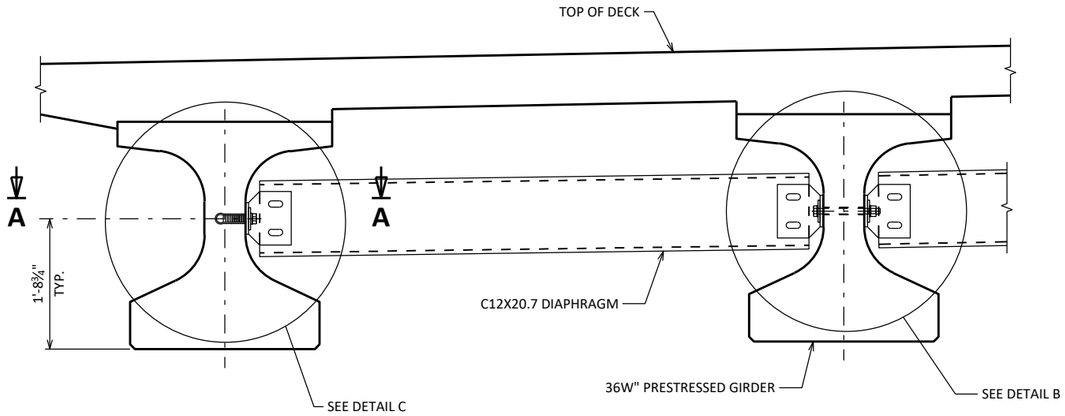
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-930 NB", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

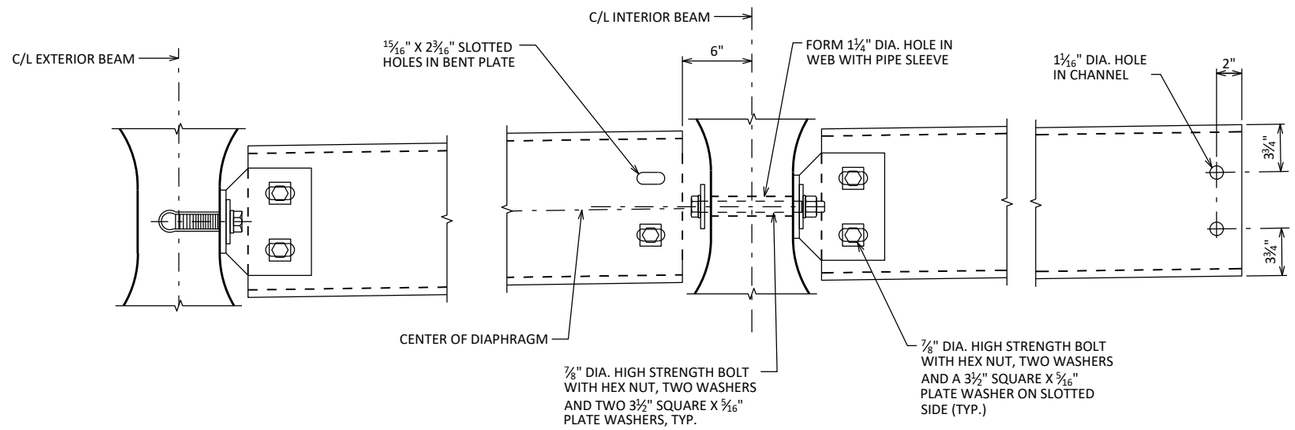
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

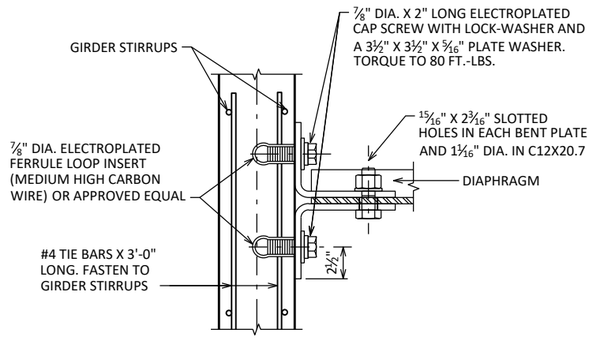


EXTERIOR GIRDER **INTERIOR GIRDER**

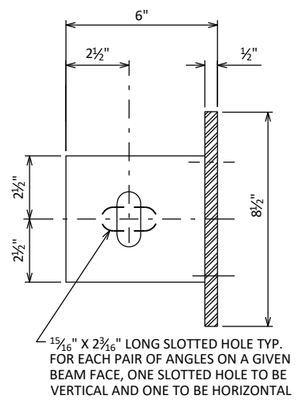
PART TRANSVERSE SECTION AT DIAPHRAGM



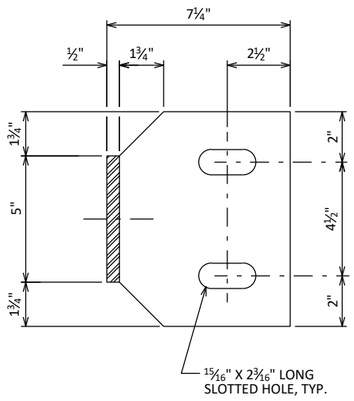
DETAIL C **DETAIL B**



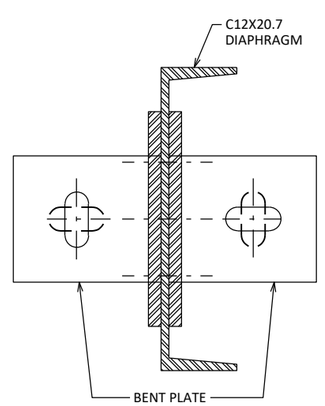
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

STEEL DIAPHRAGM

SHEET 14
1200

SCALE = 2.00

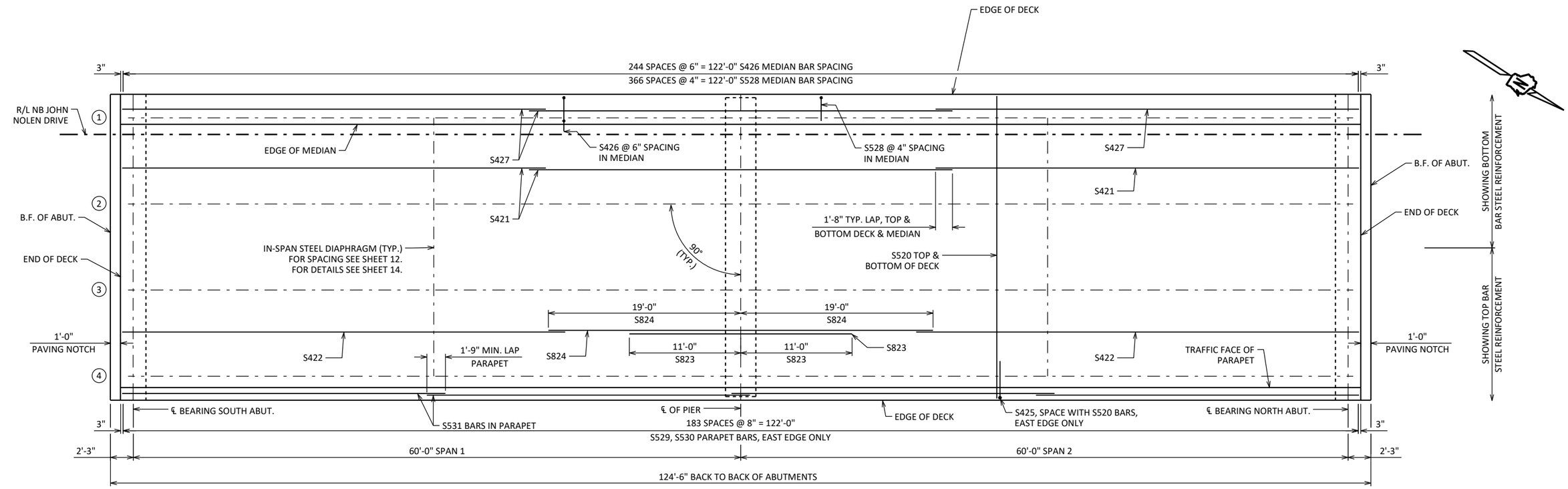
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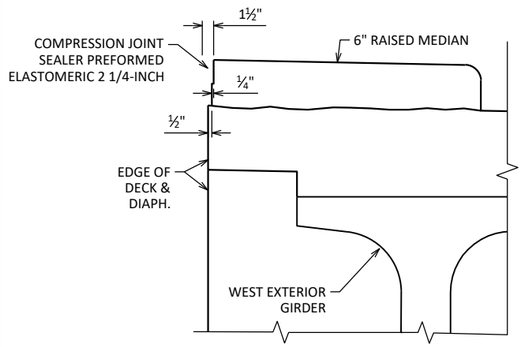
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4/30/2025 2:00 PM

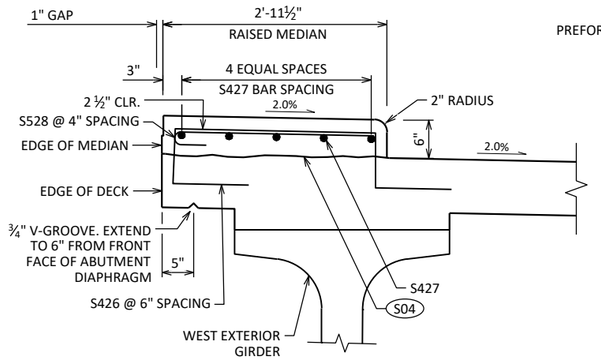
STATE PROJECT NUMBER
5992-11-23



PLAN

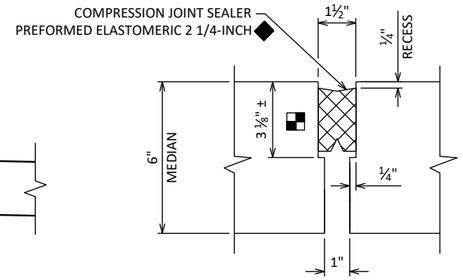


EDGE OF DECK DETAIL AT MEDIAN AT ABUTMENTS



EDGE OF DECK DETAIL AT MEDIAN IN SPAN

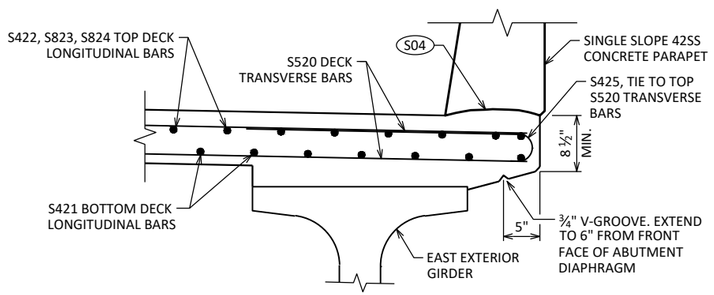
S04 CONSTRUCTION JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.



ELASTOMERIC COMPRESSION SEAL DETAIL

▩ VARIES BASED ON JOINT MANUFACTURER

◆ MANUFACTURER SHALL LABEL TOP OF SEAL



EDGE OF DECK DETAIL AT PARAPET

S04 CONSTRUCTION JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE

SHEET 15
1201

8

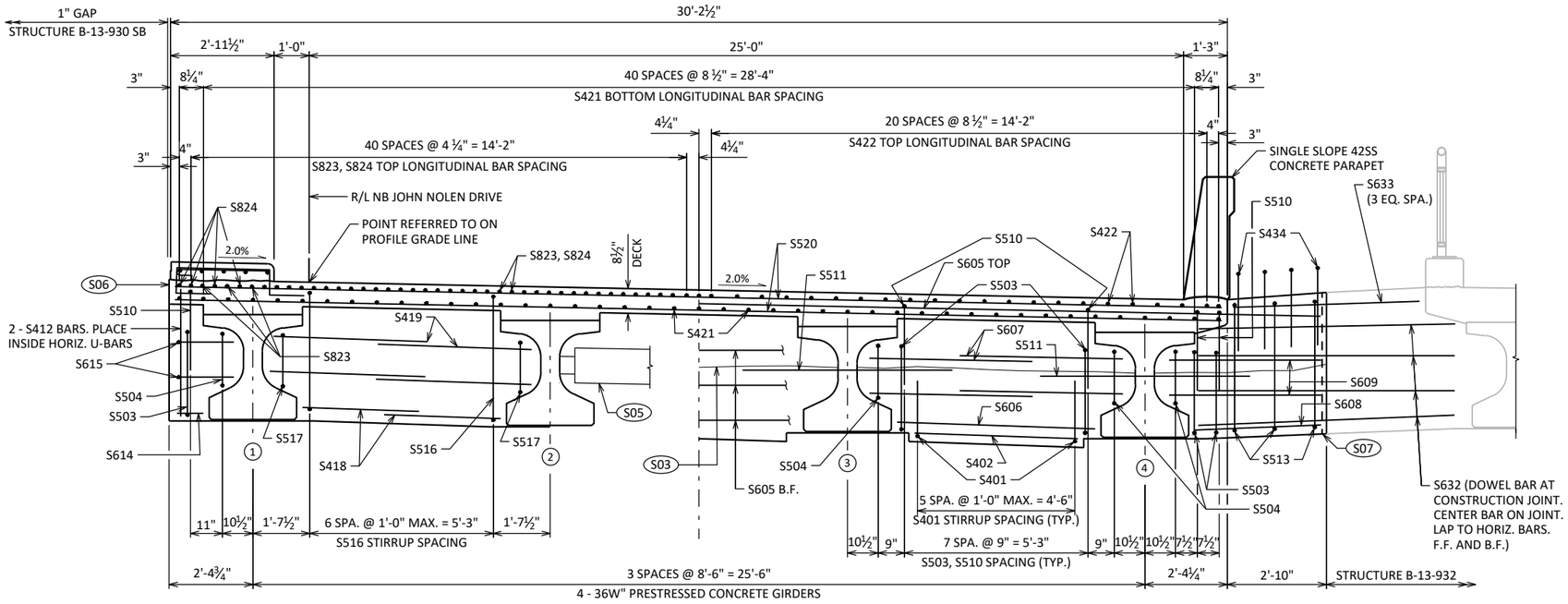
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STATE PROJECT NUMBER

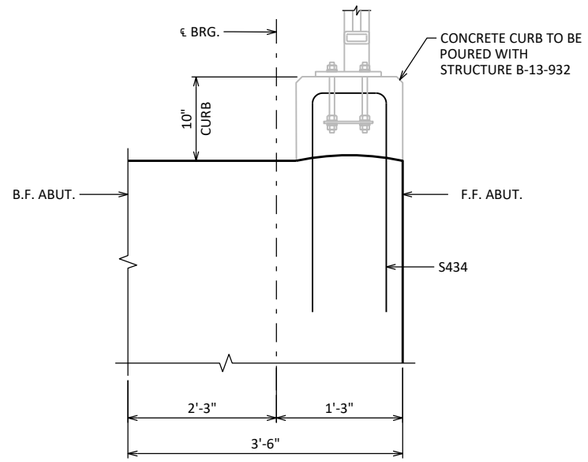
5992-11-23



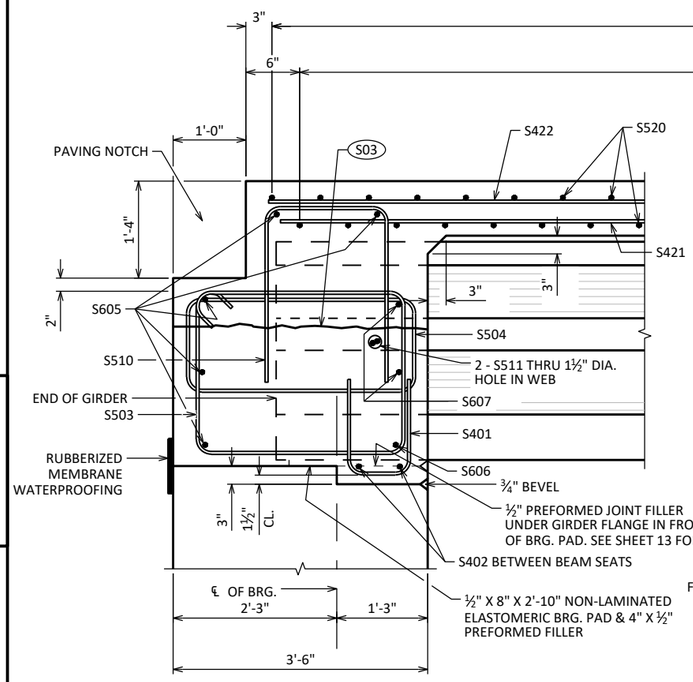
AT ABUTMENT **AT PIER** **IN SPAN** **AT ABUTMENT**

CROSS SECTION THRU BRIDGE

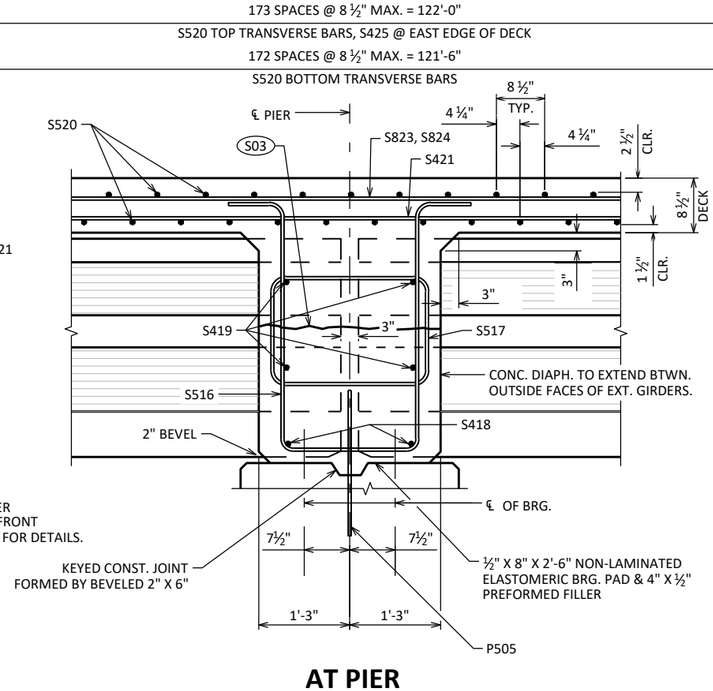
(LOOKING NORTH)



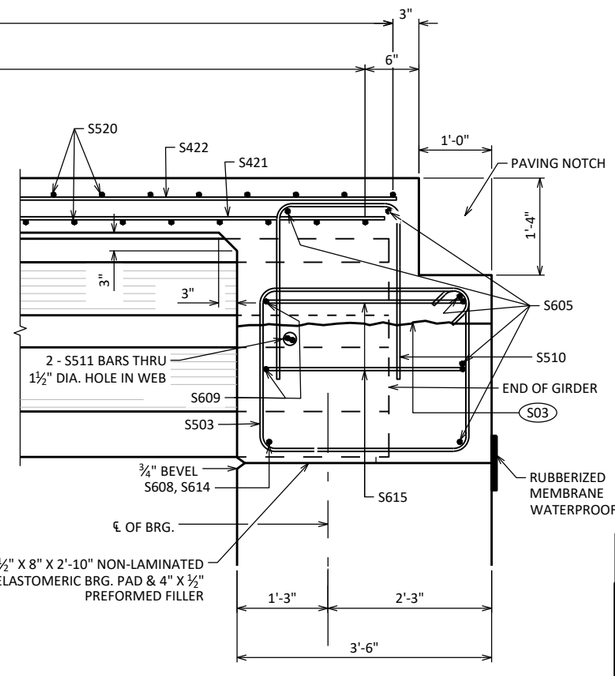
CURB DETAIL AT ABUTMENT DIAPHRAGMS



AT ABUTMENT INTERIOR BAYS



AT PIER



AT ABUTMENT ENDS

LONGITUDINAL SECTION THRU BRIDGE

LEGEND

- ◯ INDICATES GIRDER NUMBER.
- F.F. FRONT FACE B.F. BACK FACE
- (S03) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDERS. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR. HORIZONTAL 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING SHALL BE PLACED ALONG JOINT AT BACK FACE OF ABUTMENTS IF CONSTRUCTION JOINT IS USED (COST INCLUDED IN BID ITEM "HPC MASONRY STRUCTURES").
- (S05) FOR DETAILS OF STEEL DIAPHRAGMS AND DIAPHRAGM INSERTS, SEE SHEET 14. FOR LAYOUT OF STEEL DIAPHRAGMS, SEE SHEET 12.
- (S06) EXPANSION JOINT. DO NOT RUN BAR STEEL REINFORCEMENT THRU CONSTRUCTION JOINT BETWEEN B-13-930 SB & B-13-930 NB DIAPH.
- (S07) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACK FACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE SECTIONS & DETAILS

SHEET 16
1202

8

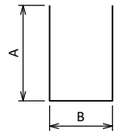
STATE PROJECT NUMBER

5992-11-23

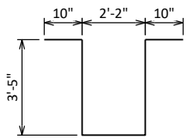
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

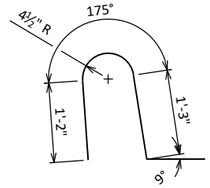
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	36	3'-5"	X		DIAPH. @ ABUT. - SEMI-EXP. NOTCH - STIRRUP - VERT.
S402	X	12	4'-8"			DIAPH. @ ABUT. - SEMI-EXP. NOTCH - HORIZ.
S503	X	54	11'-8"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S504	X	16	9'-8"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S605	X	10	32'-8"			DIAPH. @ ABUT. - B.F. & TOP - HORIZ.
S606	X	6	5'-8"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
S607	X	24	4'-8"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
S608	X	2	3'-7"			DIAPH. @ ABUT. - EAST END - HORIZ.
S609	X	4	4'-4"			DIAPH. @ ABUT. - EAST END - HORIZ.
S510	X	54	6'-5"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S511	X	16	6'-0"			DIAPH. @ ABUT. - THRU GIRDER WEB - TRANS.
S412	X	4	3'-7"			DIAPH. @ ABUT. - WEST END - VERT.
S513	X	6	14'-2"	X		DIAPH. @ ABUT. - EAST END - STIRRUP - VERT.
S614	X	2	0'-9"			DIAPH. @ ABUT. - WEST END - HORIZ.
S615	X	4	6'-0"	X		DIAPH. @ ABUT. - WEST END - HORIZ.
S516	X	21	10'-2"	X		DIAPH. @ PIER. - STIRRUP - VERT.
S517	X	6	7'-8"	X		DIAPH. @ PIER. - STIRRUP - VERT.
S418	X	12	3'-4"			DIAPH. @ PIER - HORIZ.
S419	X	24	4'-4"			DIAPH. @ PIER - HORIZ.
S520	X	347	29'-10"			DECK - TOP & BOTTOM - TRANS.
S421	X	129	41'-10"			DECK - BOTTOM - LONGIT.
S422	X	88	43'-9"			DECK - TOP - LONGIT.
S823	X	42	22'-0"			DECK - TOP - OVER PIERS - LONGIT.
S824	X	44	38'-0"			DECK - TOP - OVER PIERS - LONGIT.
S425	X	174	3'-8"	X		DECK - TOP - EAST EDGE - TRANS.
S426	X	245	5'-9"	X		DECK & INTO MEDIAN - VERT.
S427	X	15	41'-10"			MEDIAN - TOP - LONGIT.
S528	X	367	3'-2"	X		MEDIAN - TOP - TRANS.
S529	X	184	4'-5"	X		DECK & PARAPET - STIRRUP - VERT.
S530	X	184	6'-8"	X		PARAPET - STIRRUP - VERT.
S531	X	32	31'-11"			PARAPET - LONGIT.
S632	X	16	7'-4"			DIAPH. @ ABUT. - B.F. & F.F. DOWELS - HORIZ.
S633	X	8	5'-4"			DIAPH. @ ABUT. - TOP - HORIZ.
S434	X	8	4'-11"	X		DIAPH. @ ABUT. & INTO CURB - VERT.
☆ SS901		62	5'-0"	X		DIAPH. @ ABUT. & INTO APPROACH SLAB



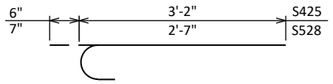
MARK	A	B
S401	1'-4"	11"
S510	2'-3"	2'-2"
S615	1'-7"	3'-2"
S434	2'-2"	9"



S516

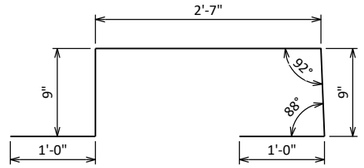


S529

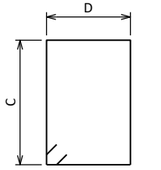


S425, S528

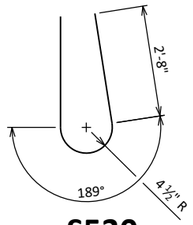
STD. 180° HOOK



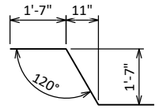
S426



MARK	C	D
S503	2'-4"	3'-2"
S504	1'-4"	3'-2"
S513	3'-7"	3'-2"
S517	1'-4"	2'-2"



S530



SS901

☆ BAR STEEL REINFORCEMENT HS STAINLESS STRUCTURES

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

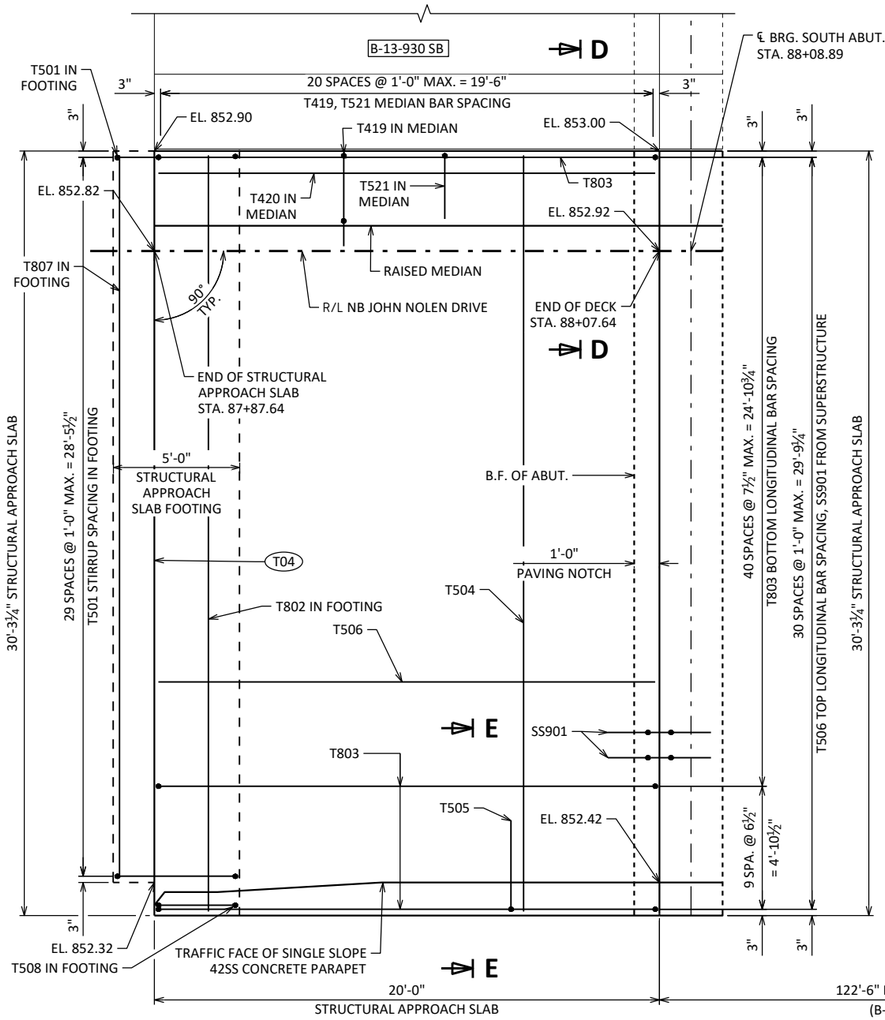
DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE DETAILS

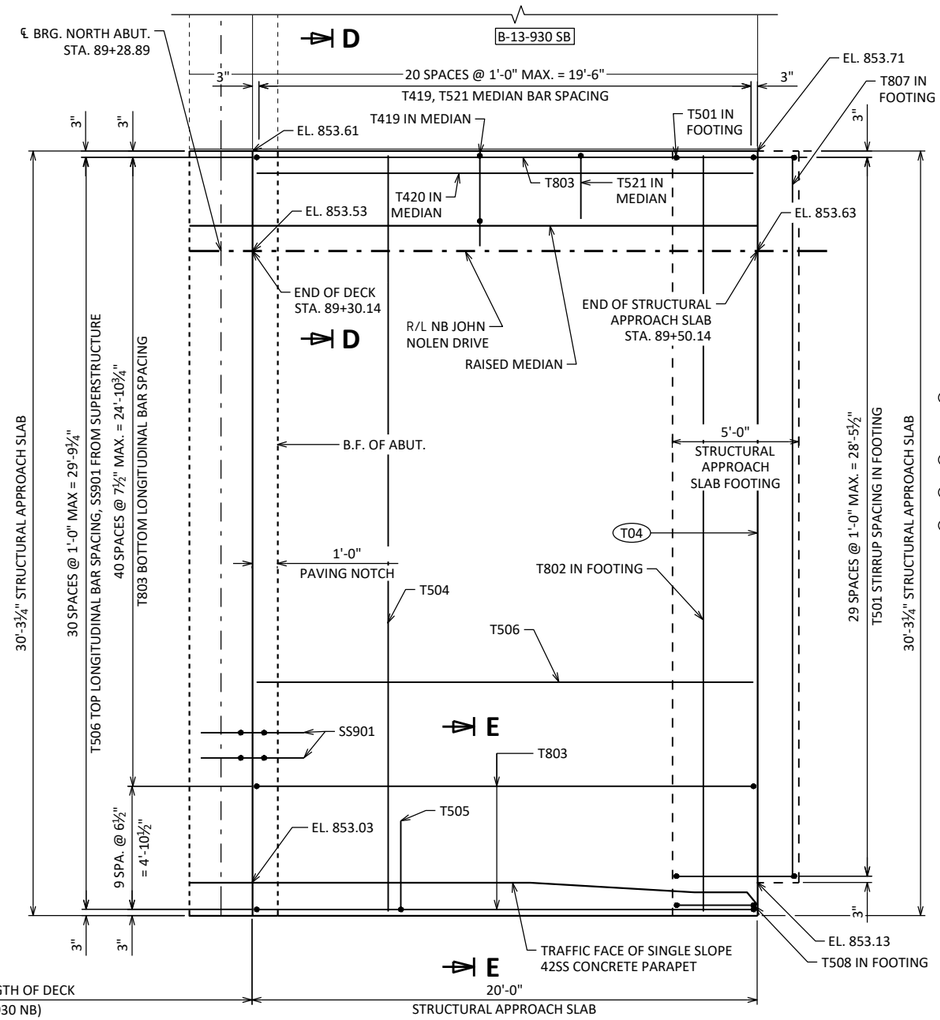
SHEET 17
1203

STATE PROJECT NUMBER

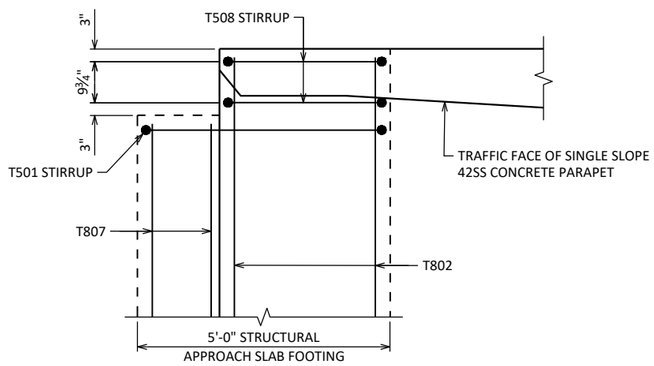
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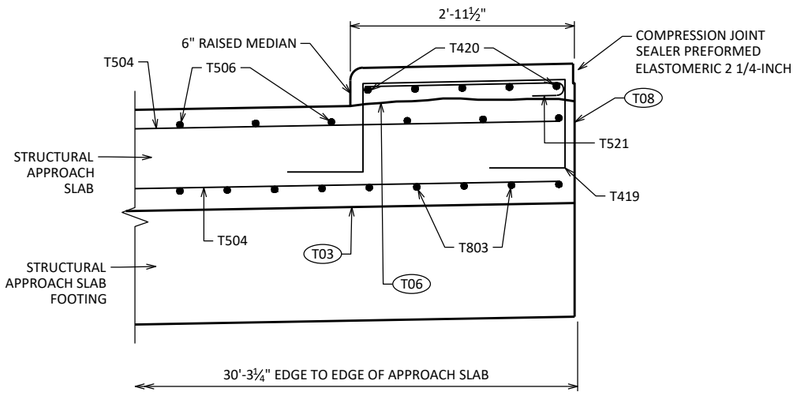
PLAN - SOUTH STRUCTURAL APPROACH SLAB



PLAN - NORTH STRUCTURAL APPROACH SLAB



FOOTING - CORNER DETAIL AT WINGS



SECTION D-D THRU EDGE OF STRUCTURAL APPROACH SLAB

NOTES

BAR MARKS FOR THE STRUCTURAL APPROACH SLABS AND PARAPET ON THE STRUCTURAL APPROACH SLAB ARE SHOWN WITH A T MARK.

ELEVATIONS GIVEN ARE AT TOP OF STRUCTURAL APPROACH SLAB.

ELEVATIONS AT EDGE OF STRUCTURAL APPROACH SLAB ARE SAME AS ELEVATIONS GIVEN AT CORRESPONDING TRAFFIC FACE OF PARAPET.

FOR DETAILS OF SINGLE SLOPE PARAPET 42SS ON THE STRUCTURAL APPROACH SLAB, SEE SHEETS 19 AND 20.

LEGEND

- (T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.
- (T04) 1½" FILLER.
- (T06) CONSTRUCTION JOINT - STRIKE OFF AS SHOWN.
- (T08) 1" FILLER BENEATH ELASTOMERIC COMPRESSION JOINT SEAL, EXTEND TO BOTTOM OF APPROACH SLAB.

NO.	DATE	REVISION	BY

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STRUCTURE B-13-930 NB

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STRUCTURAL APPROACH SLAB

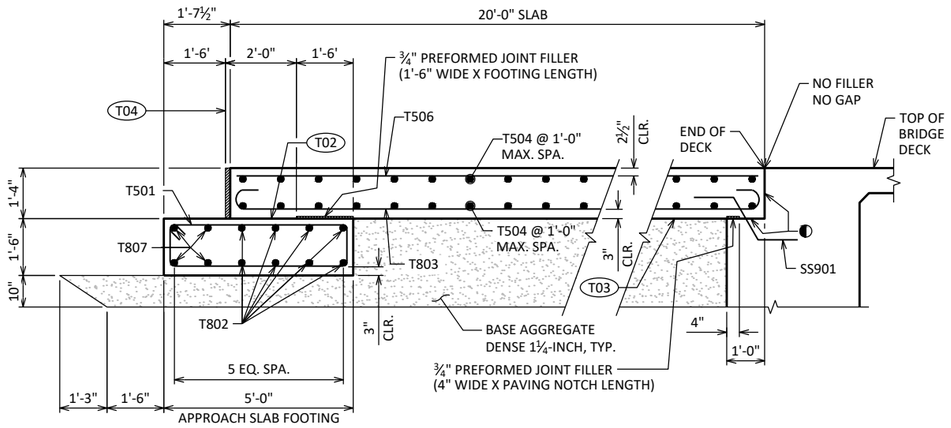
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1204

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STATE PROJECT NUMBER

5992-11-23



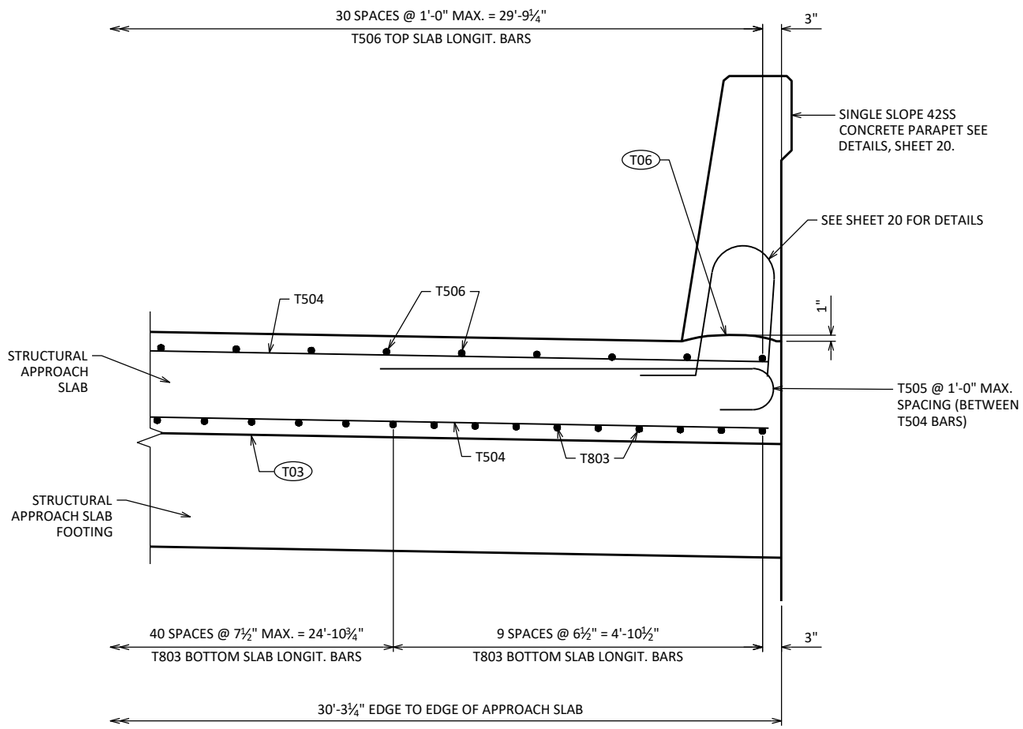
SECTION THRU APPROACH SLAB

◐ APPLY PROTECTIVE SURFACE TREATMENT TO PAVING NOTCH SURFACES PRIOR TO POURING STRUCTURAL APPROACH SLAB.

(T02) STEEL TROWEL TOP SURFACE OF FOOTING AND PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE LENGTH OF THE FOOTING.

(T03) PLACE MULTIPLE LAYERS (0.03" MIN. TOTAL THK.) OF POLYETHYLENE SHEETS OVER THE ENTIRE TOP OF SUBGRADE BENEATH SLAB.

SEE SHEET 18 LEGEND FOR DESCRIPTION OF (T04) (T06)



SECTION E-E THRU EDGE OF STRUCTURAL APPROACH SLAB

BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY.

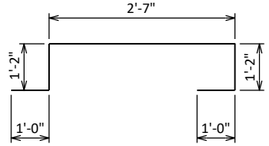
BAR MARK	NO. REQ'D.	LENGTH
T517	2 SERIES OF 6	4'-9" TO 6'-1"

BILL OF BARS

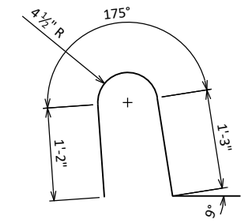
NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	SOUTH APPR. SLAB	NORTH APPR. SLAB	LENGTH	BENT	BAR SERIES	LOCATION
T501	X	30	30	12'-2"	X		APPROACH SLAB FOOTING - STIRRUP - VERT.
T802	X	8	8	29'-11"			APPROACH SLAB FOOTING - TRANS.
T803	X	50	50	21'-6"	X		APPROACH SLAB - BOT. - LONGIT.
T504	X	42	42	29'-11"			APPROACH SLAB - TOP & BOTTOM - TRANS.
T505	X	20	20	4'-1"	X		APPROACH SLAB - TOP @ EDGES - TRANS.
T506	X	31	31	19'-8"			APPROACH SLAB - TOP - LONGIT.
T807	X	4	4	28'-7"			APPROACH SLAB - FOOTING - NOTCHES - TRANS.
T508	X	2	2	8'-10"	X		APPROACH SLAB - FOOTING - STIRRUP - NOTCHES - VERT.
T509	X	17	17	4'-5"	X		PARAPET - VERT.
T510	X	17	17	6'-8"	X		PARAPET - VERT.
T511	X	12	12	2'-9"	X		PARAPET - VERT.
T512	X	17	17	4'-4"	X		PARAPET - VERT.
T513	X	5	5	6'-5"	X		PARAPET - VERT.
T514	X	6	6	6'-6"	X		PARAPET - VERT.
T515	X	1	1	19'-8"	X		PARAPET - HORIZ.
T516	X	5	5	19'-8"			PARAPET - HORIZ.
T517	X	6	6	5'-5"	X	✳	PARAPET - VERT.
T518	X	2	2	19'-8"	X		PARAPET - HORIZ.
T419	X	21	21	6'-7"	X		SLAB & INTO MEDIAN - VERT.
T420	X	5	5	19'-8"			MEDIAN - TOP - LONGIT.
T521	X	21	21	3'-3"	X		MEDIAN - TOP - TRANS.

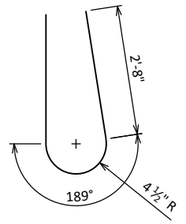
✳ LENGTH SHOWN FOR BAR IS AN AVERAGE AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.



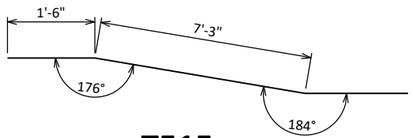
T419



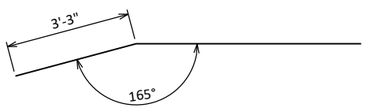
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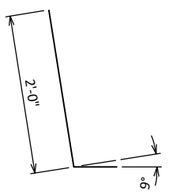
T510



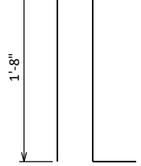
T515



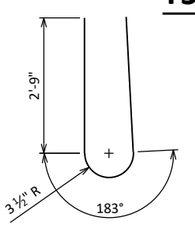
T518



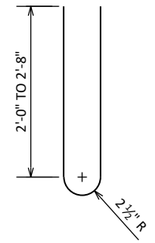
T511



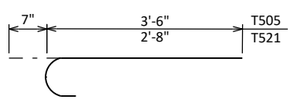
T512



T514

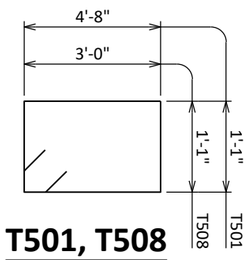


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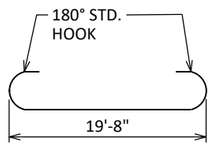


T505, T521

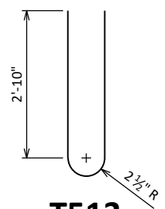
STD. 180° HOOK



T501, T508



T803



T513

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

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STRUCTURAL APPROACH SLAB DETAILS

SHEET 19
1205

8

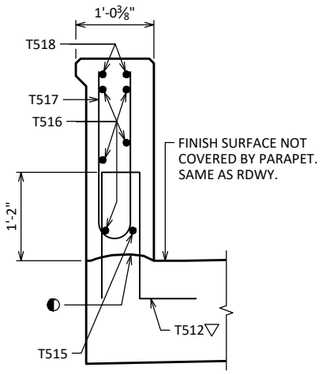
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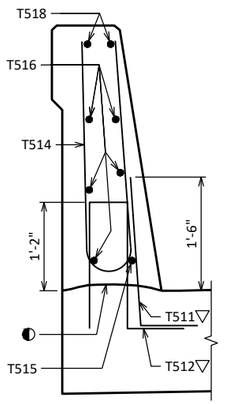
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STATE PROJECT NUMBER

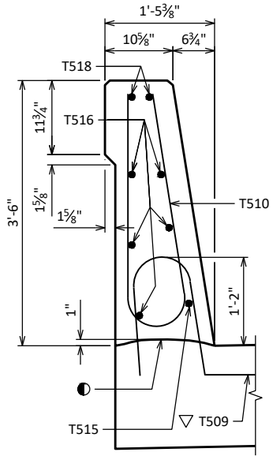
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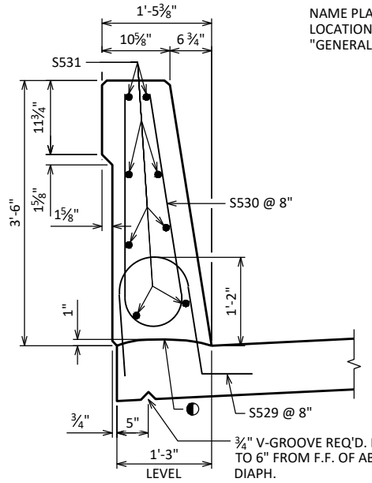
SECTION A-A



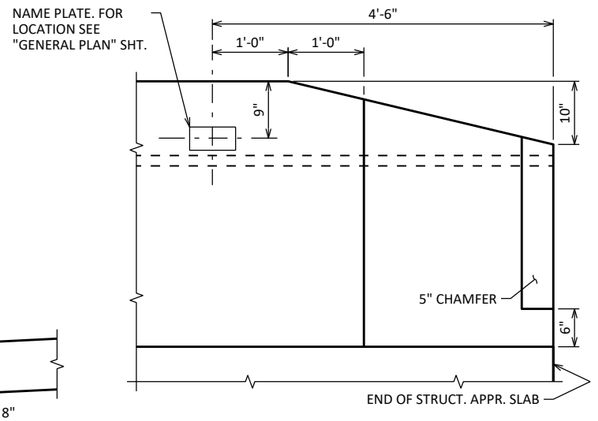
SECTION B-B



SECTION C-C

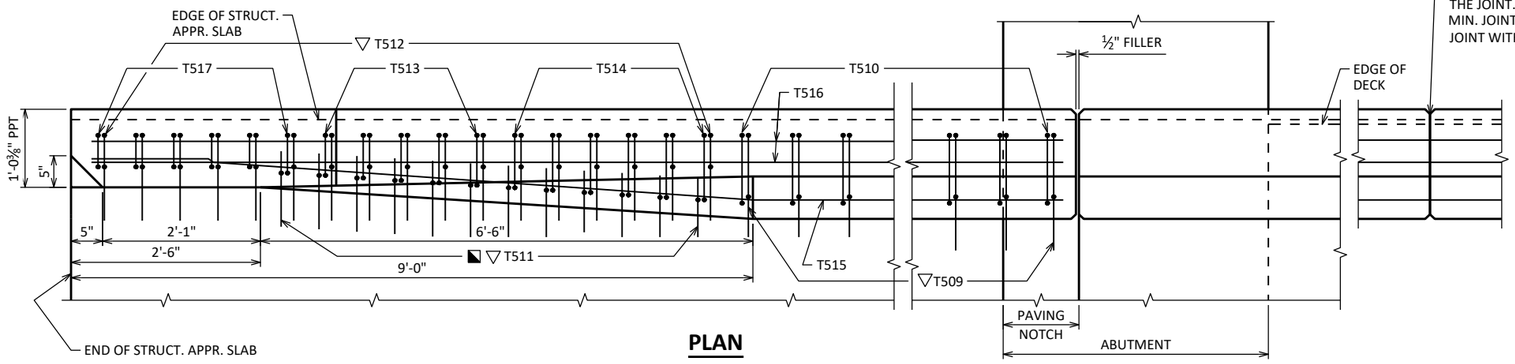


SECTION THRU PARAPET ON DECK



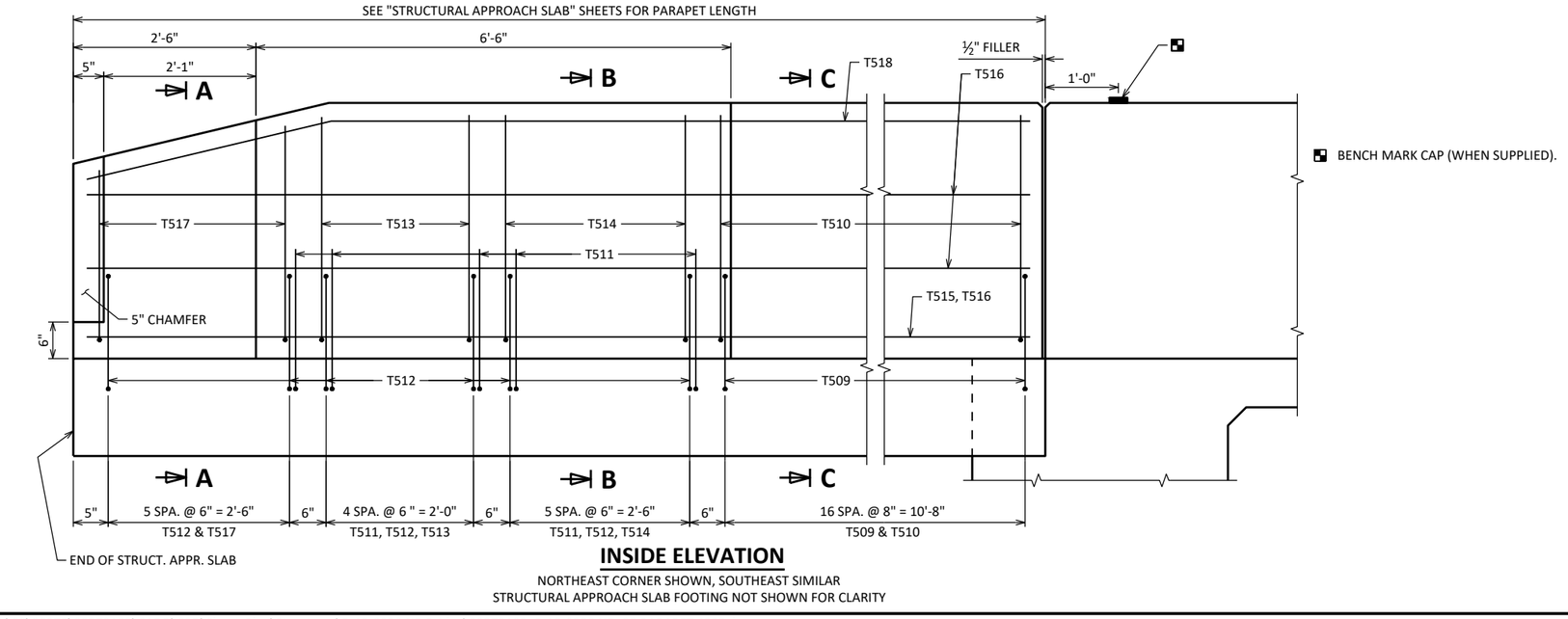
PARAPET END TREATMENT DETAIL

LOOKING AT INSIDE FACE OF PARAPET



PLAN

NORTHEAST CORNER SHOWN, SOUTHEAST SIMILAR



INSIDE ELEVATION

NORTHEAST CORNER SHOWN, SOUTHEAST SIMILAR
STRUCTURAL APPROACH SLAB FOOTING NOT SHOWN FOR CLARITY

◐ CONST. JOINT - STRIKE OFF AS SHOWN

◥◤ USE CARE TO PLACE T511 BARS CORRECTLY ALONG TRANSITION OF PARAPET.

▽ T509, T511, AND T512 BARS TO BE TIED TO STRUCTURAL APPROACH SLAB STEEL BEFORE STRUCTURAL APPROACH SLAB IS POURED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

SINGLE SLOPE PARAPET 42SS

SHEET 20
1206

SCALE = 2.00

8

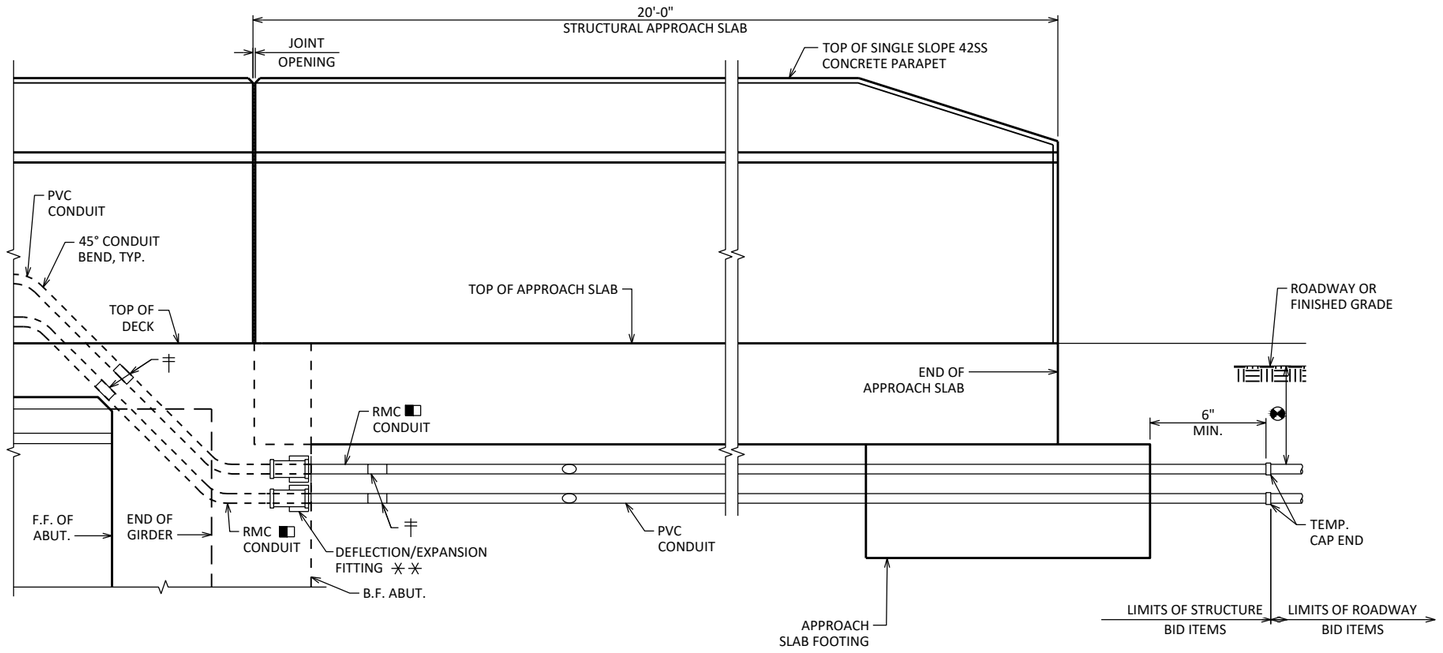
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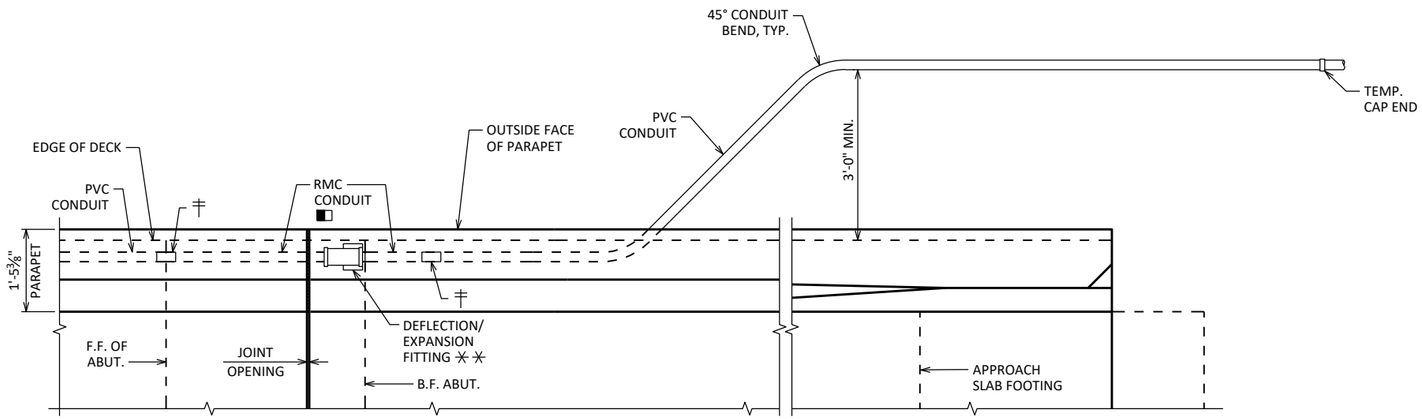
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STATE PROJECT NUMBER

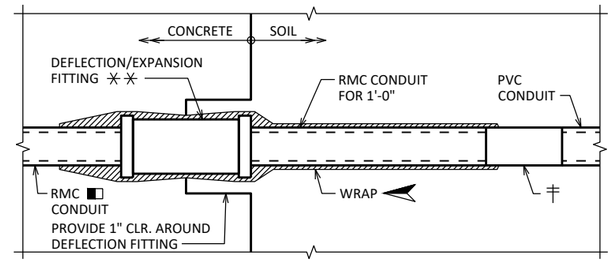
5992-11-23



OUTSIDE ELEVATION OF PARAPET AT STRUCTURAL APPROACH SLAB CORNER



PLAN OF PARAPET AT STRUCTURAL APPROACH SLAB CORNER



DEFLECTION/EXPANSION FITTING

THIS DETAIL ACCOMMODATES A MAXIMUM OF ¾" TOTAL MOVEMENT AND UP TO 30 DEGREES OF ANGULAR MISALIGNMENT IN ANY DIRECTION. BOND JUMPER NOT SHOWN FOR CLARITY. (CONCRETE TO SOIL FITTING)

LEGEND

- USE 2" DIA. RIGID METALLIC (RMC) CONDUIT AT FITTINGS. PROVIDE RMC FOR 3'-0" MIN. ON THE CONCRETE SIDE OF THE FITTING AND FOR 1'-0" ON THE SOIL SIDE OF THE FITTING.
- NONMETALLIC CONDUIT TO METALLIC CONDUIT ADAPTER FITTING (UL OR NRTL LISTED FOR ELECTRICAL USE SHALL BE USED).
- SPONGE RUBBER WRAP TO BE AASHTO M153, TYPE 1 OR EQUIVALENT - ¼" MINIMUM THICKNESS. PROVIDE WRAP FOR THE ENTIRE LENGTH OF THE FITTING OR AS SHOWN. SPONGE RUBBER WRAP INCIDENTAL TO "CONDUIT RIGID METALLIC 2-INCH".
- 2'-0" MIN. CONDUIT COVER UNDER ROADWAYS, 1'-6" OTHERWISE. CONDUIT COVER SHOULD NOT EXCEED 3'-0".
- DEFLECTION/EXPANSION FITTING REQUIREMENTS (IF USED):
  - UP TO ¾" CONDUIT CONTRACTION OR EXPANSION AND UP TO 30° OF ANGULAR MISALIGNMENT IN ANY DIRECTION WITH BONDING JUMPER

NOTES

CONDUIT SHALL BE EMBEDDED 2" CLEAR.

USE 2" DIA. RIGID NONMETALLIC CONDUIT (PVC) UNLESS NOTED OTHERWISE.

CONDUIT FITTINGS, CONDUIT BENDS, AND ADAPTER FITTINGS INCIDENTAL TO CONDUIT WORK.

CONDUIT BENDS SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

DRAWN BY EKK | PLANS CK'D JDH

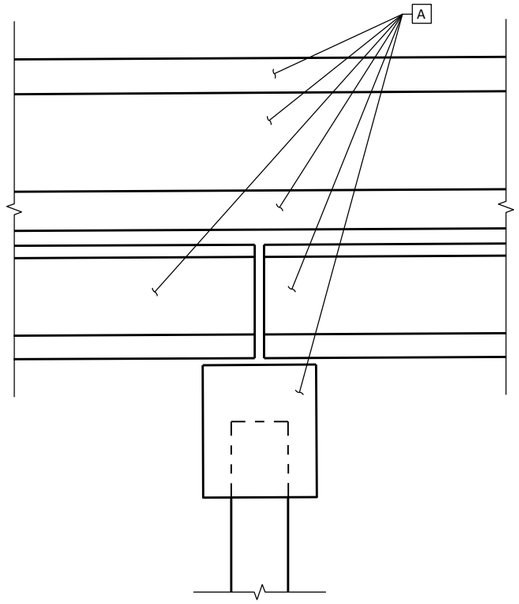
ELECTRICAL DETAILS AT ABUTMENTS

SHEET 21
1207

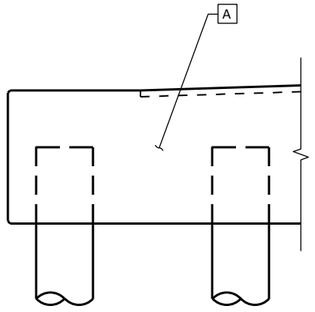
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STATE PROJECT NUMBER

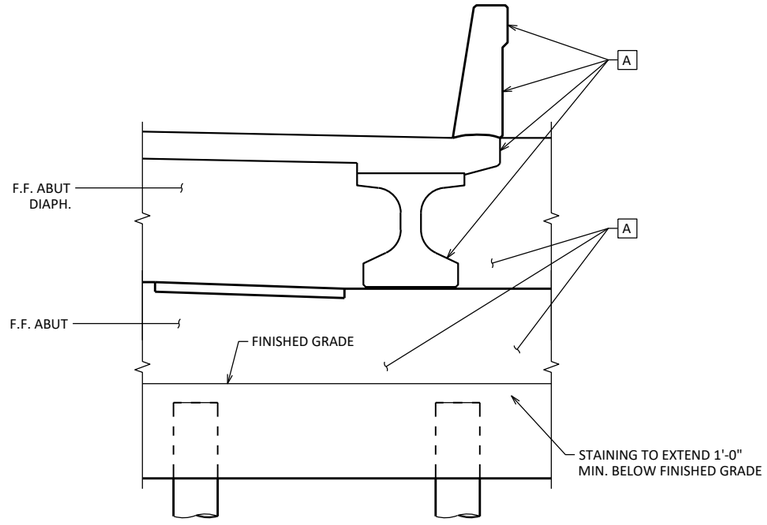
5992-11-23



OUTSIDE ELEVATION STAINING DETAIL AT PIER



FRONT ELEVATION STAINING DETAIL AT PIER



FRONT ELEVATION STAINING DETAIL AT ABUTMENTS

CONCRETE STAINING SCHEDULE

MARK	COLOR	FEDERAL COLOR NUMBER	LOCATION
A	PEARL GRAY	26622	EXTERIOR FACE OF PARAPET, EXTERIOR FACE OF DECK, EXTERIOR FACE OF EAST EXTERIOR GIRDER, FRONT FACE OF EAST EXTERIOR BAY ABUTMENT DIAPHRAGM, EXPOSED FACES OF PIER CAP, AND EXPOSED FACES OF ABUTMENTS

NOTES

DO NOT PLACE FINAL RIPRAP HEAVY WITHIN 1'-6" OF ABUTMENT SURFACES TO BE STAINED UNTIL STAINING IS COMPLETE.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-930 NB

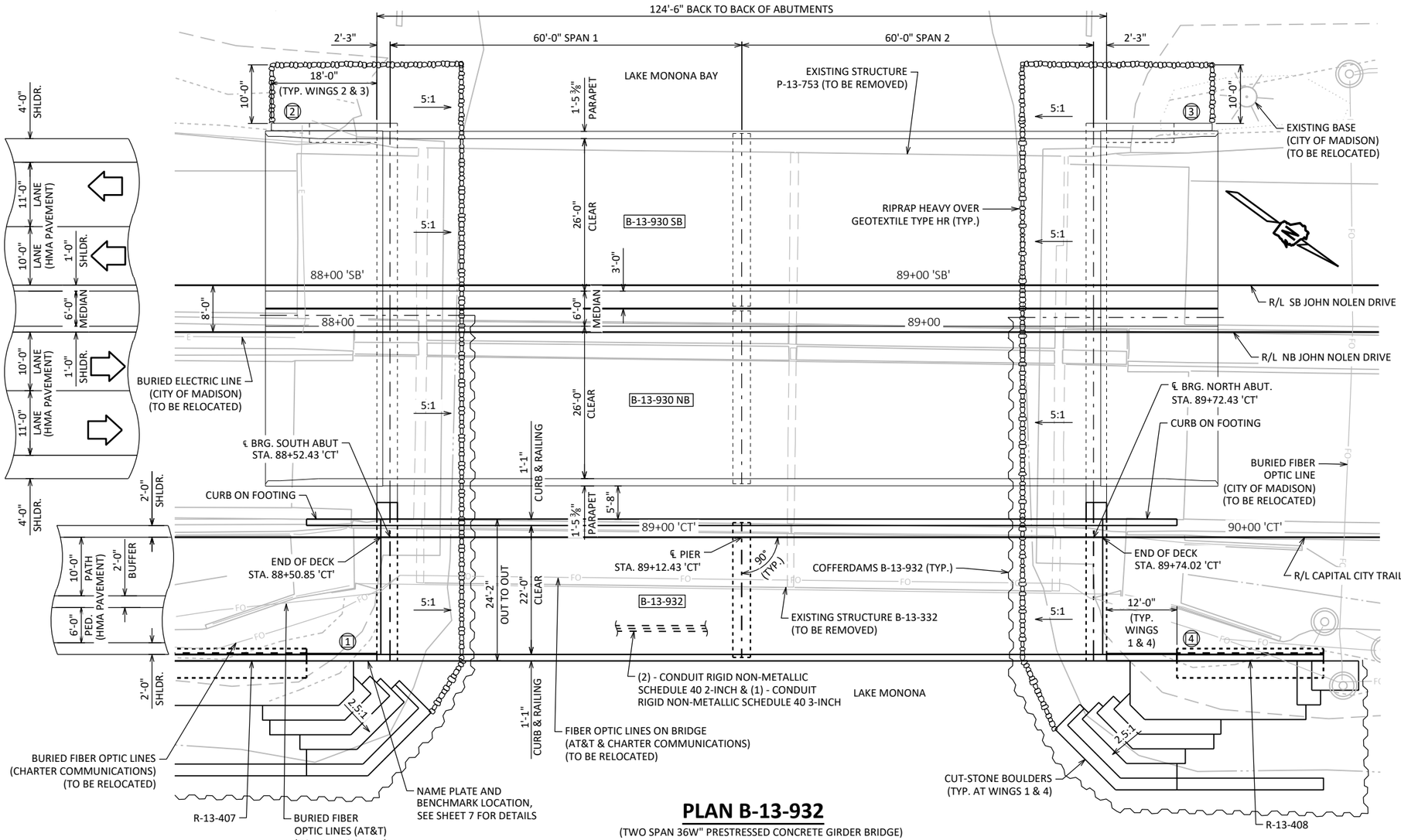
DRAWN BY EKK | PLANS CK'D JDH

AESTHETIC DETAILS

SHEET 22
1208

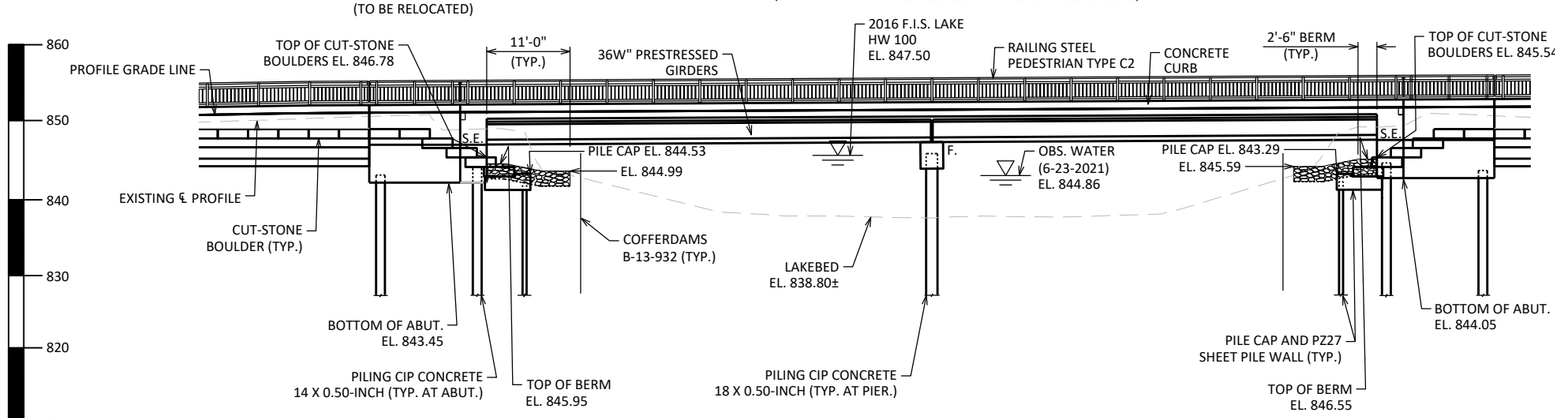
STATE PROJECT NUMBER

5992-11-28



PLAN B-13-932

(TWO SPAN 36W" PRESTRESSED CONCRETE GIRDER BRIDGE)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: H-10

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS DESIGNED FOR A UNIFORM PEDESTRIAN LIVE LOAD OF 90 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI

36W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 240 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- ESTIMATED 115'-0" LONG AT NORTH ABUTMENT BODY AND WING.
- ESTIMATED 105'-0" LONG AT SOUTH ABUTMENT BODY AND WING.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.50-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 405 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- ESTIMATED 115'-0" LONG AT PIER.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

100-YEAR FREQUENCY:

Q_{100}= N/A
V_{100}= N/A
HW_{100}= EL. 847.50
(PER 2016 DANE COUNTY F.I.S.)
WATERWAY AREA = N/A
DRAINAGE AREA = N/A
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 8

10-YEAR FREQUENCY:

Q_{10}= N/A
V_{10}= N/A
HW_{10}= EL. 846.20
(PER 2016 DANE COUNTY F.I.S.)

⬡ INDICATES WING NUMBER

WISCONSIN
JOSHUA R. SWENO
E-44384
WAUNAKEE
WI
PROFESSIONAL ENGINEER

6/30/2025

LIST OF DRAWINGS:

1. GENERAL PLAN
2. CROSS SECTION
3. QUANTITIES
4. GENERAL NOTES & DETAILS
5. SUBSURFACE EXPLORATION
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT DETAILS
8. NORTH ABUTMENT
9. NORTH ABUTMENT DETAILS
10. PIER
11. ALTERNATE CONSTRUCTION JOINT
12. 36W" PRESTRESSED GIRDER DETAILS
13. 36W" PRESTRESSED GIRDER & DECK FORMING DETAILS
14. STEEL DIAPHRAGM
15. SUPERSTRUCTURE
16. SUPERSTRUCTURE SECTIONS & DETAILS
17. EAST COMBINATION RAIL TYPE 'C2'
18. WEST COMBINATION RAIL TYPE 'C2'
19. COMBINATION RAIL TYPE 'C2' DETAILS
20. CUT-STONE BOULDER
21. CUT-STONE BOULDER DETAILS
22. AESTHETIC DETAILS

CONSULTANT DESIGN CONTACT:
JOSH SWENO
(608) 355-8852

BRIDGE OFFICE CONTACT:
AARON BONK
(608) 261-0261

NO.	DATE	REVISION	BY

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ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 PANKRATZ STREET, MADISON WI 53704
(608) 242-7779 www.msa-ps.com

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STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED — CHIEF STRUCTURES DESIGN ENGINEER — EMK — 06/30/25 DATE

STRUCTURE B-13-932

CAPITAL CITY TRAIL OVER LAKE MONONA

COUNTY	TOWN/CITY/VILLAGE
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JDH	NRT	EKK	JDH

GENERAL PLAN

SHEET 1 OF 22
1209

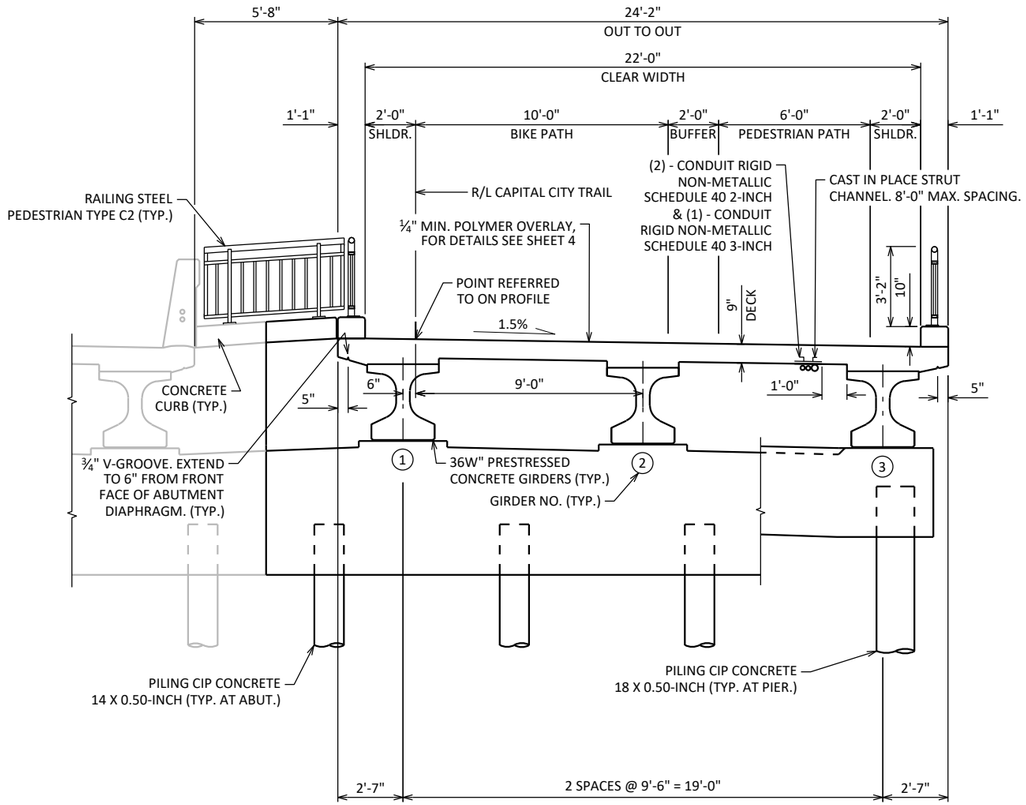
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STATE PROJECT NUMBER

5992-11-28



B-13-930 NB **(SHOWN AT ABUTMENT)** B-13-932 **(SHOWN AT PIER)**

B-13-932 FINISHED SECTION

(LOOKING NORTH)

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

CROSS SECTION

SHEET 2
1210

SCALE = 6

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STATE PROJECT NUMBER

5992-11-28

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	SOUTH ABUT.	PIER	NORTH ABUT.	SUPER	TOTAL
206.1001.07	EXCAVATION FOR STRUCTURES BRIDGES B-13-932	EACH	-	-	-	-	1
206.5001.07	COFFERDAMS B-13-932	EACH	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	145	-	145	-	290
501.1000.S	ICE HOT WEATHER CONCRETING	LB	382	71	349	989	1,791
502.0100	CONCRETE MASONRY BRIDGES	CY	27.3	9.4	27.6	131.8	197
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	310	310
502.3210	PIGMENTED SURFACE SEALER	SY	-	-	-	66	66
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	-	-	-	363	363
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	23.6	-	18.9	-	43
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,640	3,770	1,640	-	7,050
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	820	30	820	21,310	22,980
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	-	-	-	12	12
506.4000.07	STEEL DIAPHRAGMS B-13-932	EACH	-	-	-	4	4
509.5100.S	POLYMER OVERLAY	SY	-	-	-	302	302
512.0500	PILING STEEL SHEET PERMANENT DELIVERED	SF	1,886	-	1,580	-	3,466
512.0600	PILING STEEL SHEET PERMANENT DRIVEN	SF	1,886	-	1,580	-	3,466
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	-	-	-	308	308
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	-	7	-	14
517.1010.S.07	CONCRETE STAINING B-13-932	SF	159	191	166	1,212	1,728
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	525	-	575	-	1,100
606.0300	RIPRAP HEAVY	CY	30	-	35	-	65
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	36	-	36	-	72
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	31	-	31	-	62
645.0120	GEOTEXTILE TYPE HR	SY	185	-	185	-	370
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	-	-	-	16	16
SPV.0090.201	PILING CIP CONCRETE 18 X 0.50-INCH	LF	-	575	-	-	575
SPV.0165.201	CUT-STONE BOULDERS	SF	584	-	559	-	1,143
	NON-BID ITEMS						
	FILLER	SIZE	--	--	--	--	½", ¾"
	NAME PLATE						

ALL BID ITEMS SHOWN ARE IN CATEGORY 0020.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

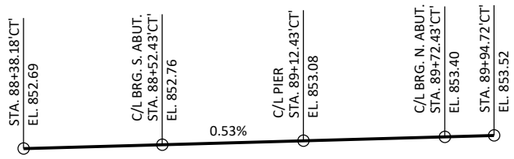
STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

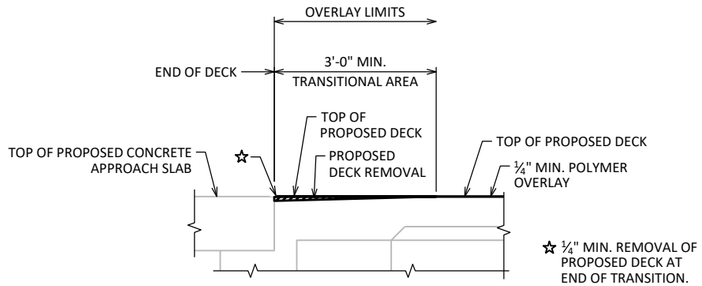
QUANTITIES

SHEET 3
1211

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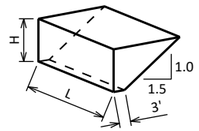


PROFILE GRADE LINE - CAPITAL CITY TRAIL



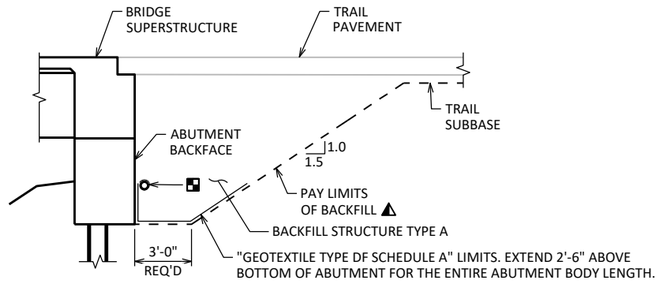
SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)



ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

STATE PROJECT NUMBER

5992-11-28

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS ELEVATIONS ARE BASED ON GEOID 12B.

LOCATION OF UTILITIES SHOWN ON PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES IN THE AREA THAT ARE NOT SHOWN.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-932" SHALL BE THE EXISTING GROUNDLINE.

THE EXISTING LAKEBED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION FOR THE PIER.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-6" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE INSIDE FACES, THE TOP FACES, AND THE ENDS OF THE CONCRETE CURB.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON SHEET 13.

THIS STRUCTURE WILL REPLACE THE TRAIL PORTION OF THE EXISTING STRUCTURE, B-13-332, WHICH IS BEING REMOVED AS PART OF THE CONSTRUCTION OF THE NEW STRUCTURE, B-13-930 NB.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-932".

AT ABUTMENTS CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREA ARE INCLUDED IN THE BID ITEM " POLYMER OVERLAY" AND IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED.

SEE LIGHTING PLAN FOR CONDUIT RIGID NON-METALLIC SCHEDULE 40 2-INCH & 3-INCH HANGING FROM THE DECK.

EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED AT 8'-0" MAX. SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR/EKK | PLANS CK'D JDH

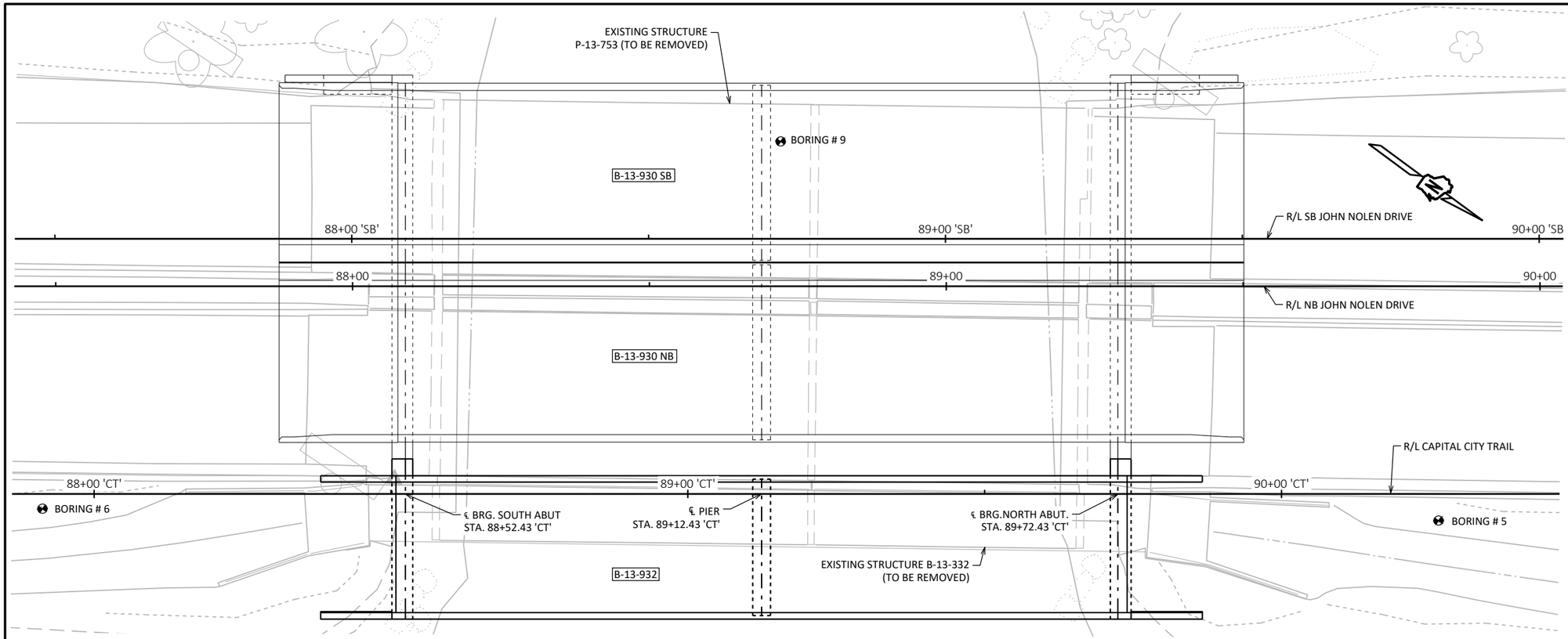
GENERAL NOTES & DETAILS

SHEET 4
1212

SCALE = 6

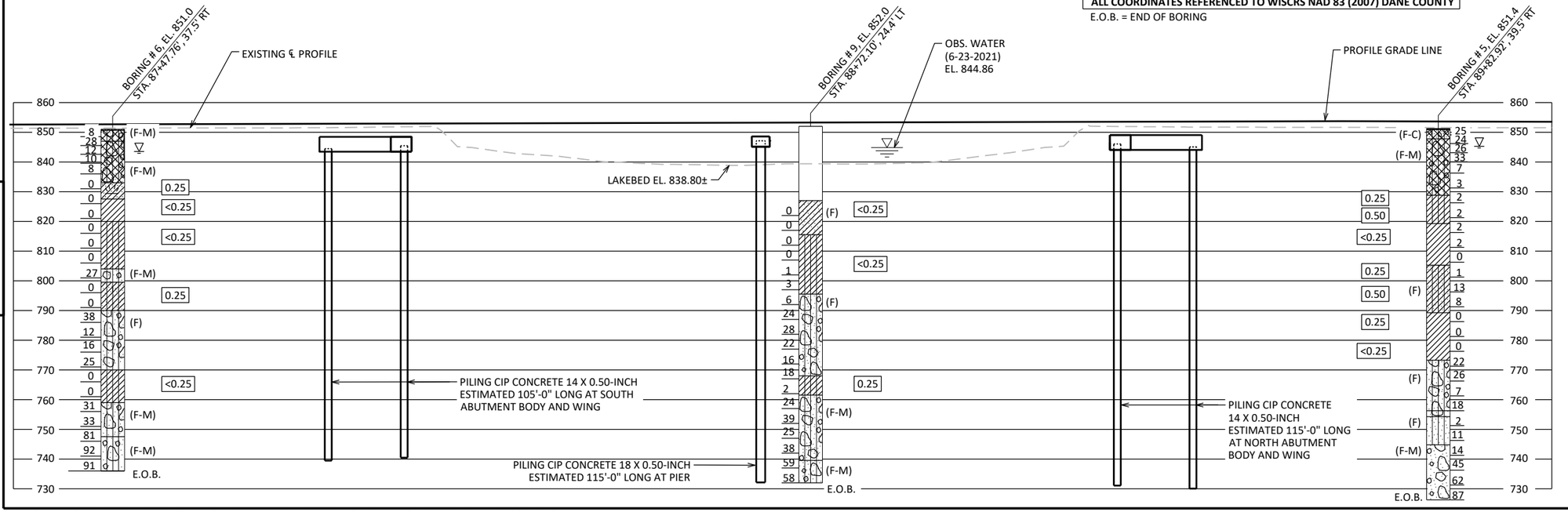
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6/25/2025 10:29 AM



BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4-26-2023	477,592.58	820,750.16
6	4-24-2023	477,396.22	820,879.57
9	6-07-2023	477,464.95	820,758.88
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (2007) DANE COUNTY			

E.O.B. = END OF BORING



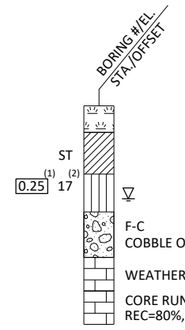
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR/EKK | PLANS CK'D JDH

SUBSURFACE EXPLORATION

SHEET 5
1213

SCALE = 20

8

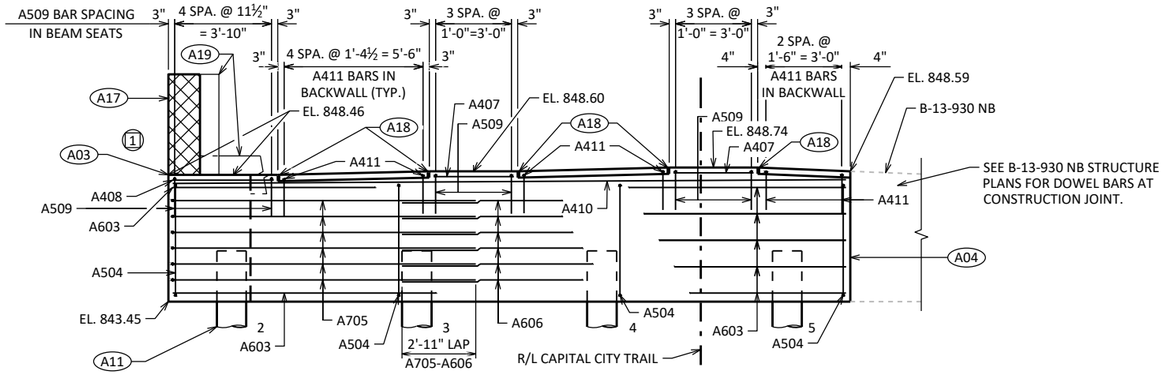
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3/24/2025 10:00 AM

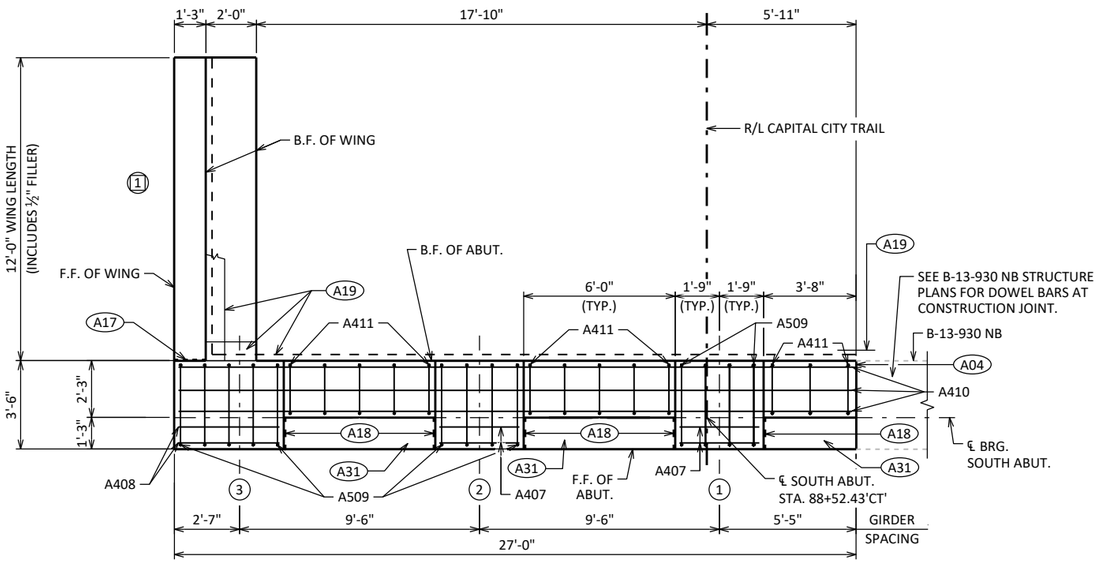
FOR WING ELEVATIONS AND DETAILS SEE SHEET 7.

BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.

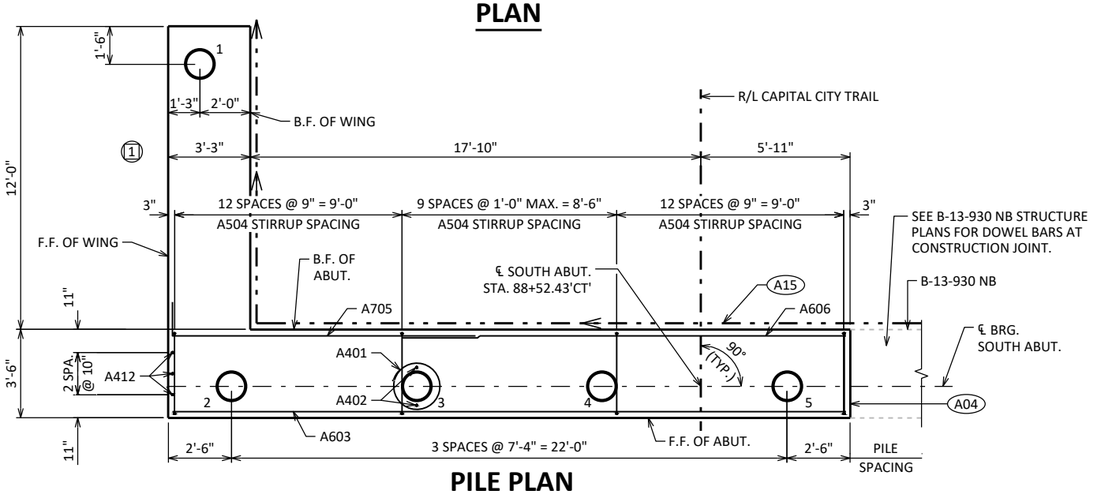


BACK FACE BAR STEEL REINF. **FRONT FACE BAR STEEL REINF.**

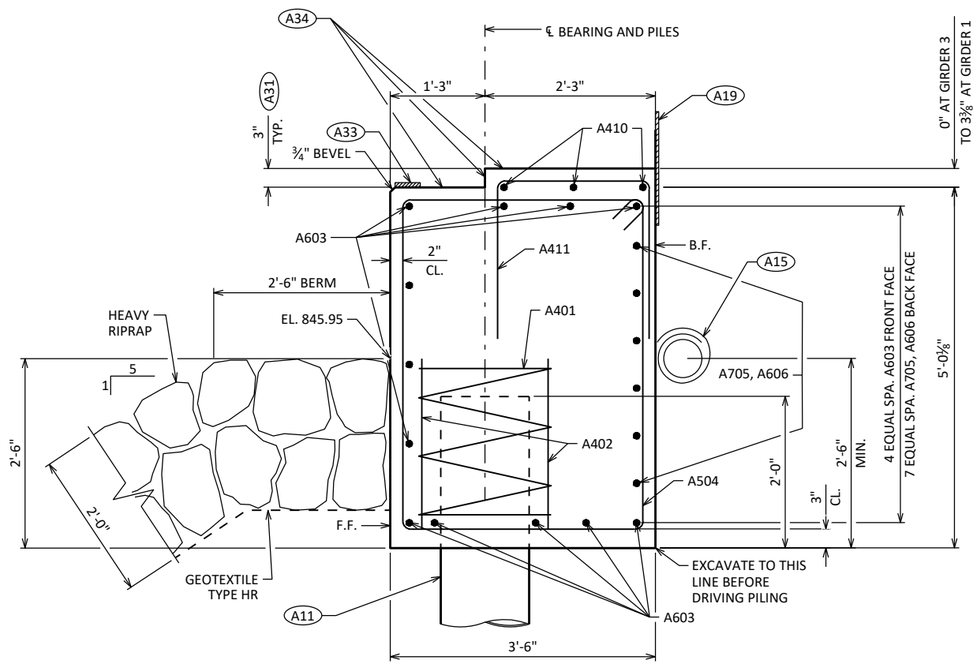
ELEVATION
(LOOKING SOUTH)



PLAN



PILE PLAN



TYPICAL SECTION THRU ABUTMENT

LEGEND

(1) - INDICATES WING NUMBER. (1) - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A03) OPTIONAL CONSTRUCTION JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

(A04) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACKFACE. FOR OPTIONAL DETAILS SEE "ALTERNATE CONSTRUCTION JOINT" SHEET.

(A11) SUPPORT ABUTMENT ON PILING CIP CONCRETE 14 X 0.50-INCH, ESTIMATED 105'-0" LONG AT THE SOUTH ABUTMENT BODY AND WING WITH A REQUIRED DRIVING RESISTANCE OF 240 TONS PER PILE.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. CONNECT TO PIPE UNDERDRAIN BEHIND RETAINING WALL.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

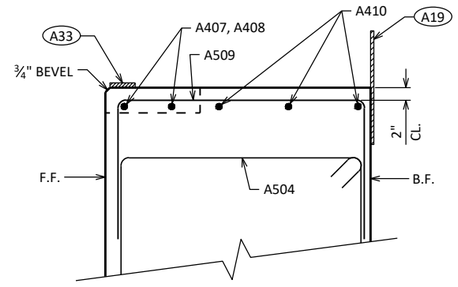
(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

(A31) SEMI-EXPANSION POCKET. CONSTRUCT 3" DEEPER THAN SURROUNDING BEAM SEATS AND BACKWALL.

(A33) 4" X ½" PREFORMED JOINT FILLER, EXTEND FULL LENGTH OF ABUTMENT.

(A34) STEEL TROWEL TOP SURFACE OF ABUTMENT. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS OVER ENTIRE ABUTMENT TOP BEFORE PLACING BEARING PADS AND/OR SUPERSTRUCTURE. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03 INCHES.



TOP OF ABUTMENT @ BEARING SEATS

SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR | PLANS CK'D JDH

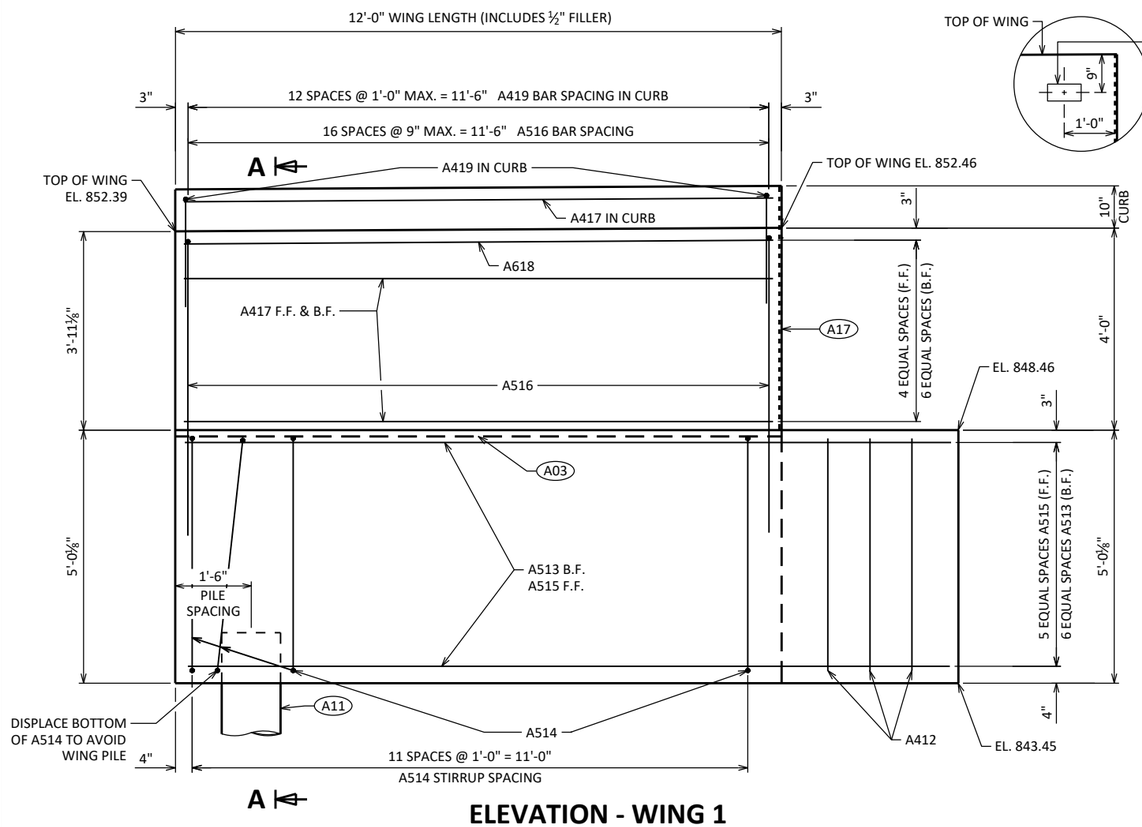
SOUTH ABUTMENT

SHEET 6
1214

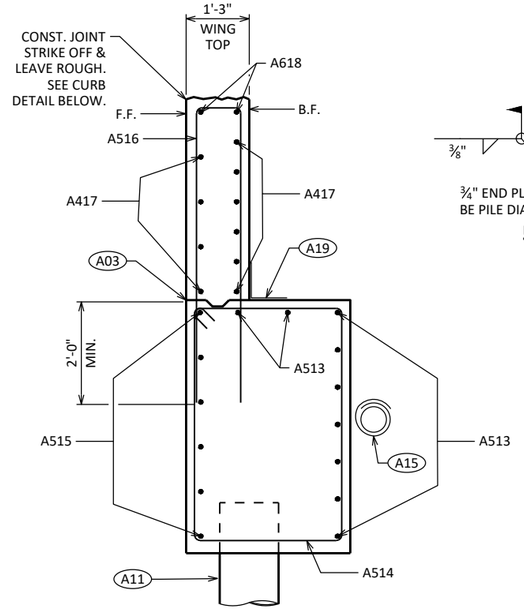
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STATE PROJECT NUMBER

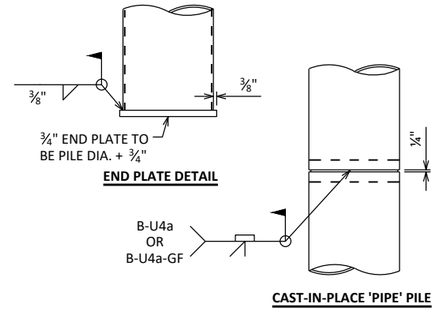
5992-11-28



ELEVATION - WING 1



SECTION A-A THRU WING 1

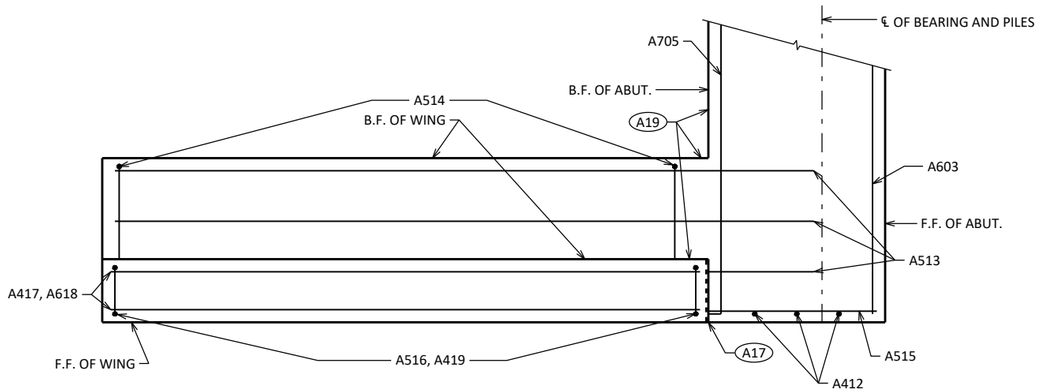


CIP PILE DETAILS

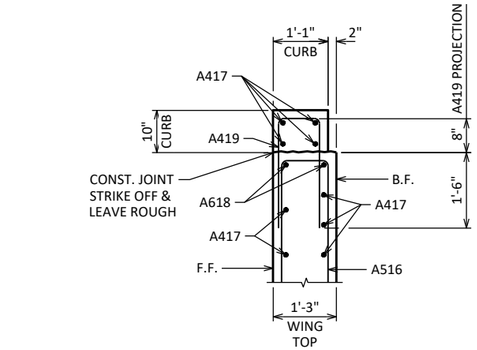
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A401		4	28'-0"	X		AT BODY PILES - 1 PER PILE 5 SPIRAL WRAPS
A402		8	2'-3"			AT BODY PILES - 2 PER PILE - VERT.
A603		12	26'-8"			ABUT. BODY - F.F., TOP & BOTTOM - HORIZ.
A504		34	15'-8"	X		ABUT. BODY - STIRRUPS - VERT.
A705		6	12'-11"	X		ABUT. BODY - B.F. - HORIZ.
A606		6	17'-7"			ABUT. BODY - B.F. - HORIZ.
A407		4	3'-2"			ABUT. TOP - F.F. - GIRDER 1 & 2 - HORIZ.
A408		2	4'-0"			ABUT. TOP - F.F. - GIRDER 3 - HORIZ.
A509		13	5'-11"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
A410		3	26'-8"			ABUT. TOP - B.F. SEMI-EXP. POCKET - HORIZ.
A411		13	4'-9"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
A412		3	4'-7"			ABUT. BODY - END @ WING - VERT.
A513	X	9	13'-7"			WING - BOTTOM - B.F. & TOP - HORIZ.
A514	X	12	15'-8"	X		WING - BOTTOM - STIRRUP - VERT.
A515	X	6	15'-2"			WING - BOTTOM - F.F. - HORIZ.
A516	X	17	12'-4"	X		WING - TOP - TIES - VERT.
A417	X	14	11'-7"			WING - TOP & CURB - F.F. & B.F. - HORIZ.
A618	X	2	11'-7"			WING - TOP - F.F. & B.F. - HORIZ.
A419	X	13	4'-11"	X		WING - TOP - CURB - TIES - VERT.

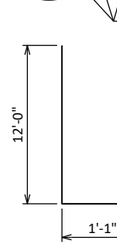


PLAN - WING 1

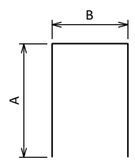


CURB DETAIL

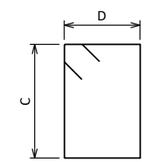
SEE SHEET 6 LEGEND FOR DESCRIPTION OF
A03 A11 A15 A17 A19



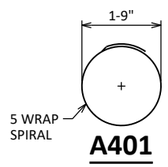
A705



MARK	A	B
A509	1'-6"	3'-2"
A411	1'-6"	1'-11"
A516	5'-10"	11"
A419	2'-2"	9"



MARK	C	D
A504	4'-4"	3'-2"
A514	4'-7"	2'-11"



A401

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR | PLANS CK'D JDH

SOUTH ABUTMENT DETAILS

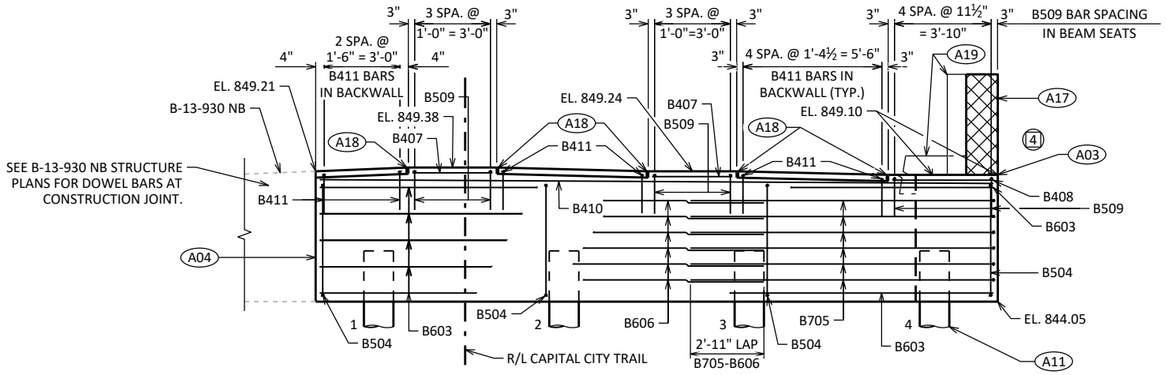
SHEET 7
1215

8

8

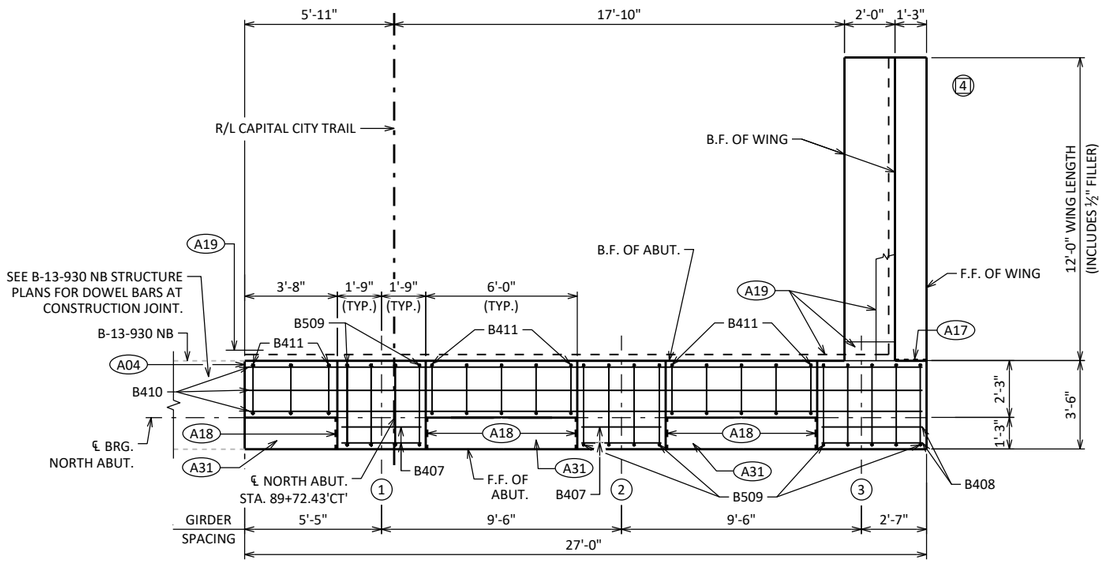
FOR WING ELEVATIONS AND DETAILS SEE SHEET 9.

BUILD BEAM SEATS LEVEL, SLOPE AREAS BETWEEN BEAM SEATS.

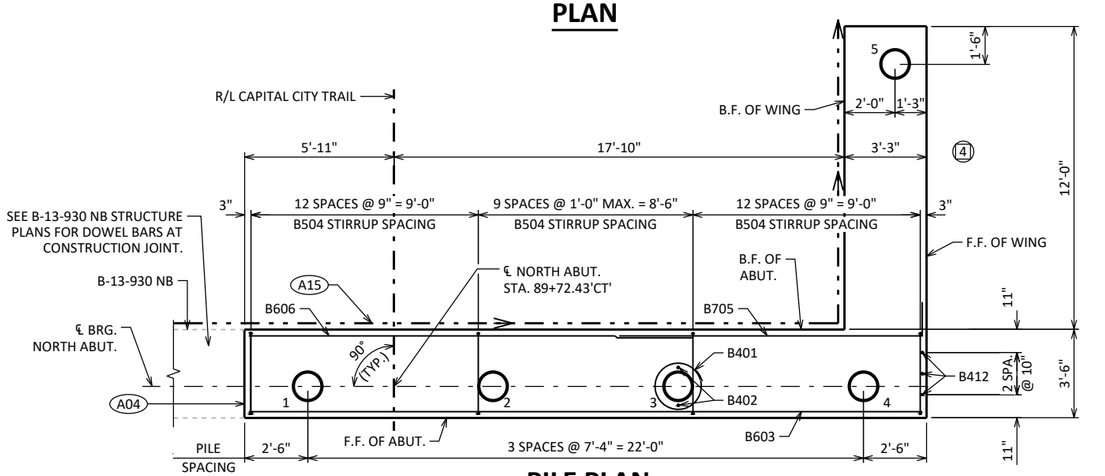


FRONT FACE BAR STEEL REINF. **BACK FACE BAR STEEL REINF.**

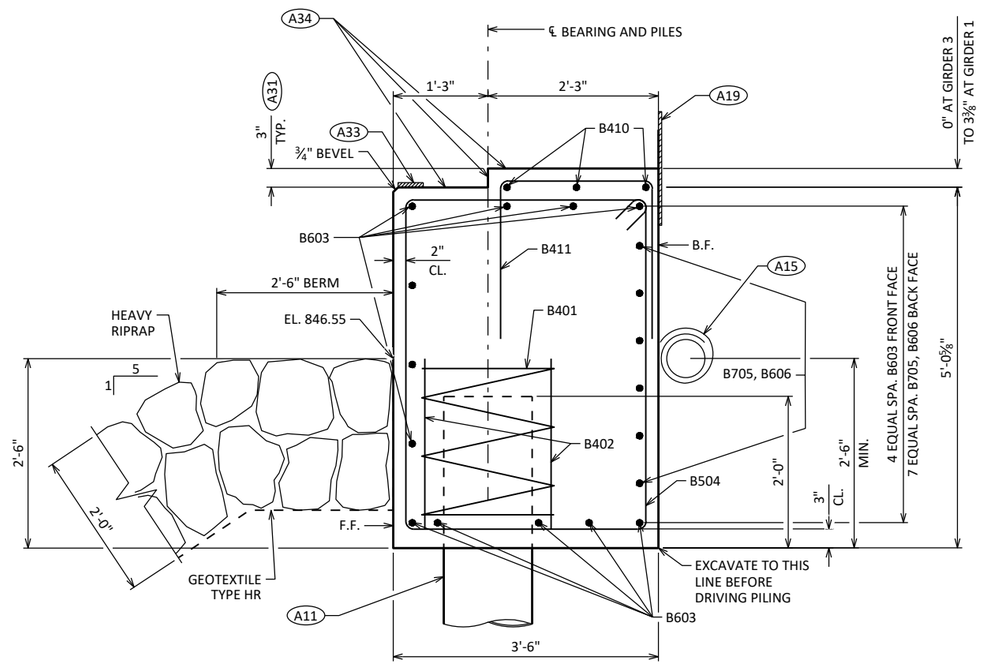
ELEVATION
(LOOKING NORTH)



PLAN



PILE PLAN



TYPICAL SECTION THRU ABUTMENT

LEGEND

⬡ - INDICATES WING NUMBER. ◯ - INDICATES GIRDER NUMBER.

F.F. - FRONT FACE B.F. - BACK FACE CL. - CLEAR

(A03) OPTIONAL CONSTRUCTION JOINT: KEYWAY FORMED BY BEVELED 2 x 6. (18" RMW @ B.F. & ¾" "V" GROOVE @ F.F. IF JOINT IS USED).

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(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. CONNECT TO PIPE UNDERDRAIN BEHIND RETAINING WALL.

(A17) ½" FILLER (INCLUDED IN WING LENGTH): SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). EXTEND SEALER 3" BELOW GUTTER LINE AT INSIDE FACE.

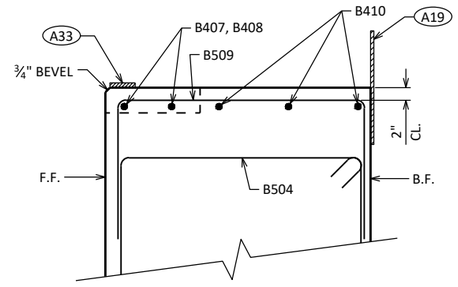
(A18) ¾" CORK FILLER UP VERT. BEAM SEAT FACES THAT RUN PARALLEL WITH GIRDER.

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TOP OF ABUTMENT @ BEARING SEATS

SEE PLAN FOR REINF. SPACING

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK PLANS CK'D JDH

NORTH ABUTMENT

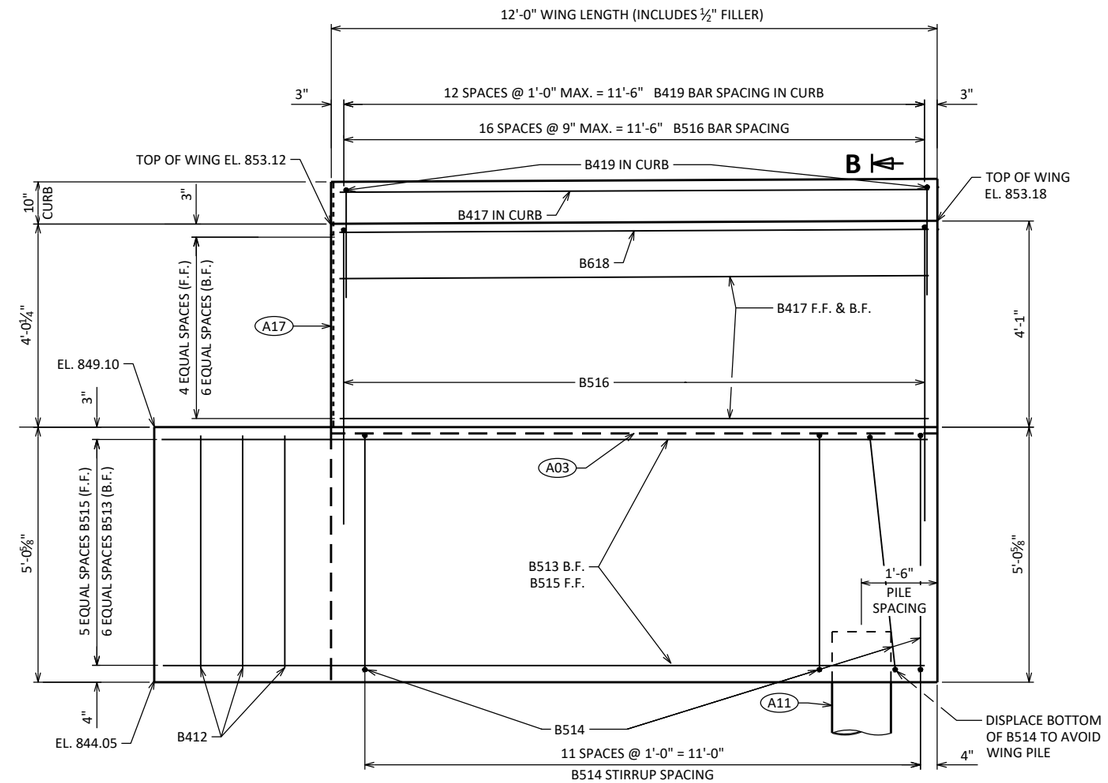
SHEET 8
1216

8

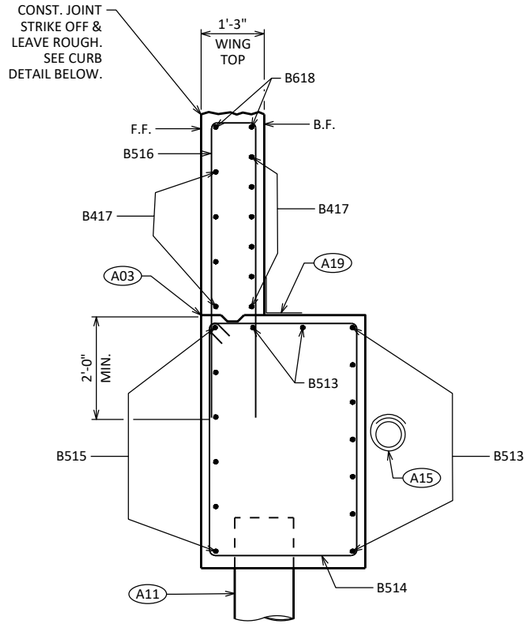
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STATE PROJECT NUMBER

5992-11-28



ELEVATION - WING 4

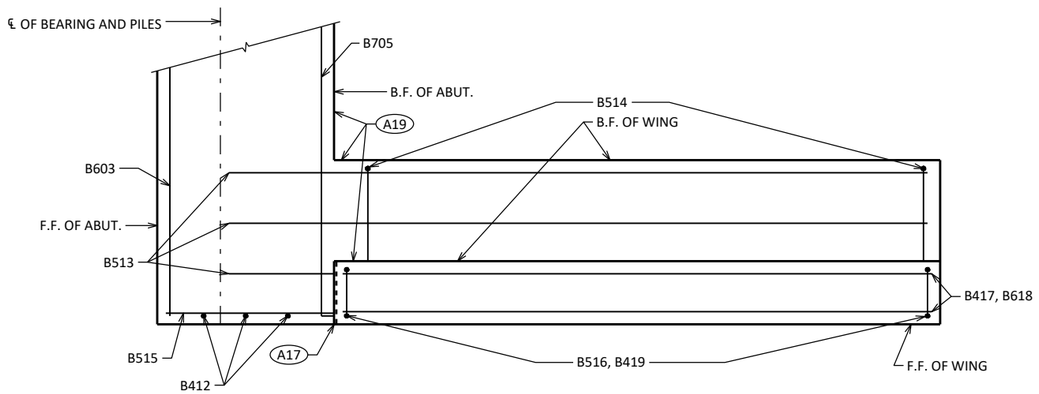


SECTION B-B THRU WING 4

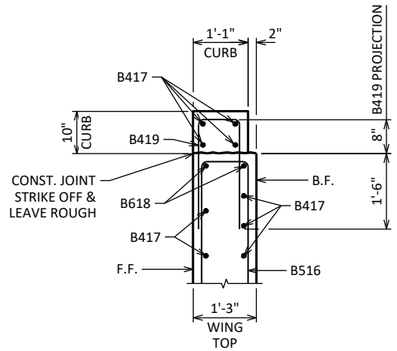
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B401		4	28'-0"	X		AT BODY PILES - 1 PER PILE 5 SPIRAL WRAPS
B402		8	2'-3"			AT BODY PILES - 2 PER PILE - VERT.
B603		12	26'-8"			ABUT. BODY - F.F., TOP & BOTTOM - HORIZ.
B504		34	15'-8"	X		ABUT. BODY - STIRRUPS - VERT.
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B407		4	3'-2"			ABUT. TOP - F.F. - GIRDER 1 & 2 - HORIZ.
B408		2	4'-0"			ABUT. TOP - F.F. - GIRDER 3 - HORIZ.
B509		13	5'-11"	X		ABUT. TOP - GIRDER SEATS & POCKETS - VERT.
B410		3	26'-8"			ABUT. TOP - B.F. SEMI-EXP. POCKET - HORIZ.
B411		13	4'-9"	X		ABUT. TOP - B.F. SEMI-EXP. POCKET - VERT.
B412		3	4'-7"			ABUT. BODY - END @ WING - VERT.
B513	X	9	13'-7"			WING - BOTTOM - B.F. & TOP - HORIZ.
B514	X	12	15'-8"	X		WING - BOTTOM - STIRRUP - VERT.
B515	X	6	15'-2"			WING - BOTTOM - F.F. - HORIZ.
B516	X	17	12'-4"	X		WING - TOP - TIES - VERT.
B417	X	14	11'-7"			WING - TOP & CURB - F.F. & B.F. - HORIZ.
B618	X	2	11'-7"			WING - TOP - F.F. & B.F. - HORIZ.
B419	X	13	4'-11"	X		WING - TOP - CURB - TIES - VERT.

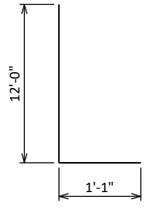


PLAN - WING 4

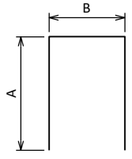


CURB DETAIL

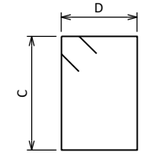
SEE SHEET 8 LEGEND FOR DESCRIPTION OF
A03 A11 A15 A17 A19



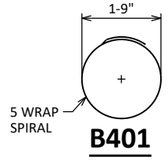
B705



MARK	A	B
B509	1'-6"	3'-2"
B411	1'-6"	1'-11"
B516	5'-10"	11"
B419	2'-2"	9"



MARK	C	D
B504	4'-4"	3'-2"
B514	4'-7"	2'-11"



B401

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

NORTH ABUTMENT DETAILS

SHEET 9
1217

8

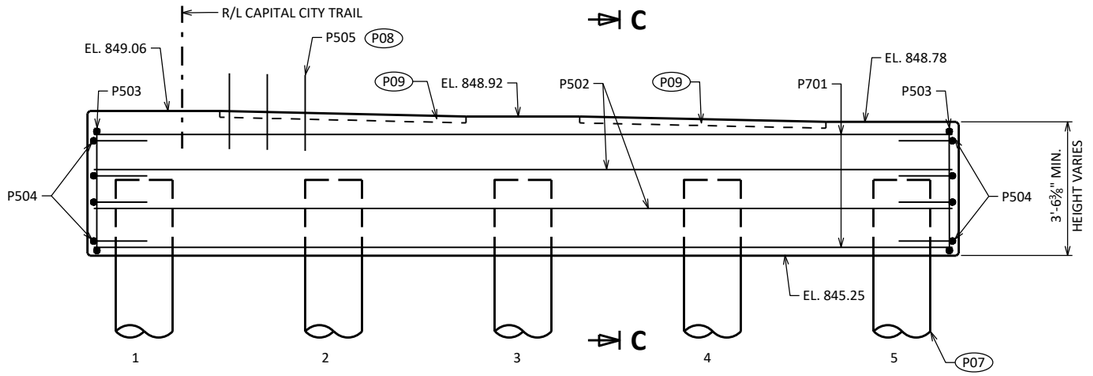
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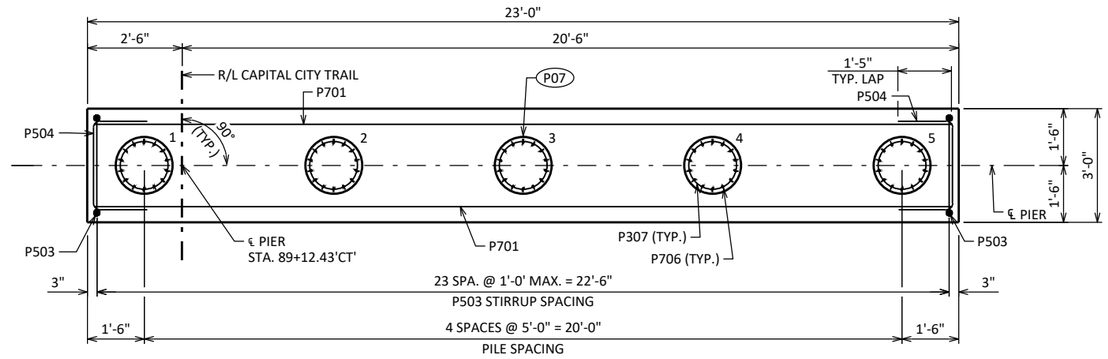
STATE PROJECT NUMBER

5992-11-28

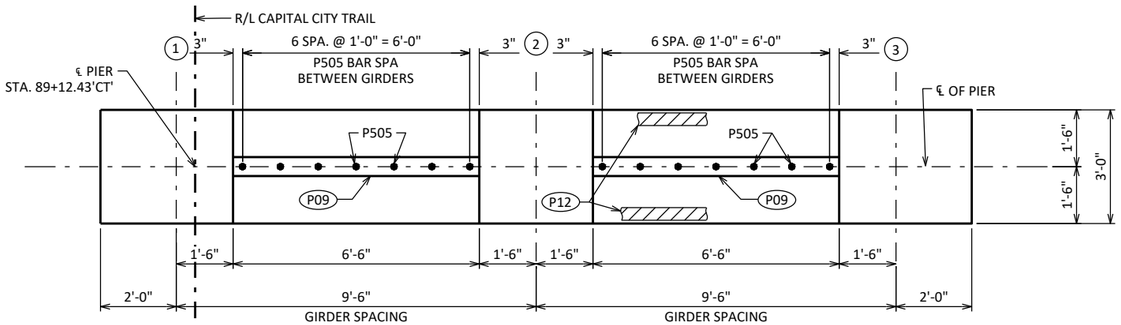


ELEVATION

(LOOKING NORTH)



PILE AND REINFORCING PLAN



PIER TOP PLAN

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
P701		8	22'-8"			PIER CAP - TOP & BOTTOM - HORIZ.
P502		4	22'-8"			PIER CAP - SIDES - HORIZ.
P503		24	12'-0"	X		PIER CAP - STIRRUP - VERT.
P504		8	5'-0"	X		PIER CAP - END STIRRUP - HORIZ.
P505	X	14	2'-0"			PIER CAP - DOWELS - VERT.
P706		70	20'-0"			PILE - VERT.
P307		55	5'-0"	X		PILE -TIES - HORIZ.

NOTES

(P07) SUPPORT PIER ON PILING CIP CONCRETE 18 X 0.50-INCH, ESTIMATED 115'-0" LONG WITH A REQUIRED DRIVING RESISTANCE OF 405 TONS PER PILE.

(P08) P505 BARS @ 1'-0" CTRS. BETWEEN BEAM SEATS. MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

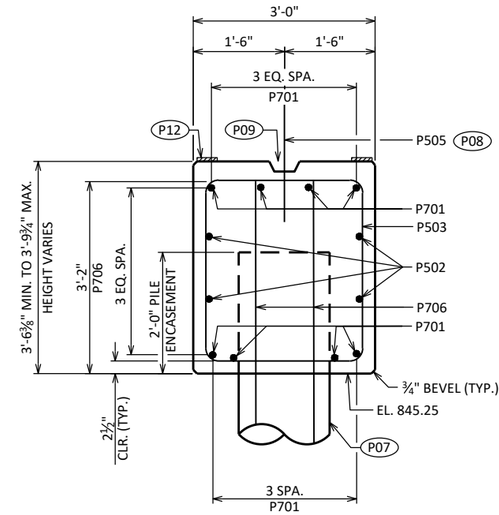
(P09) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X 6".

(P12) 4" X ¾" PREFORMED FILLER BETWEEN GIRDERS.

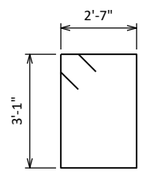
◯ INDICATES GIRDER NUMBER.

PILES SHALL BE PAINTED IN ACCORDANCE WITH SECTION 550.3.11.3 OF THE STANDARD SPECIFICATIONS.

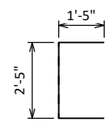
FOR PILE SPLICE DETAILS SEE SHEET 7.



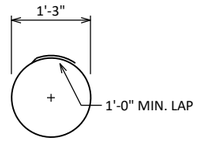
SECTION C-C



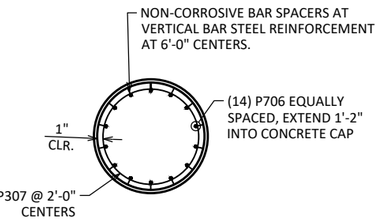
P503



P504



P307



SECTION THRU PILE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

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PIER

SHEET 10
1218

8

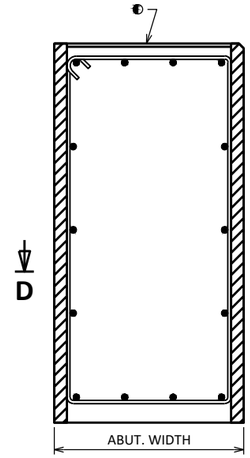
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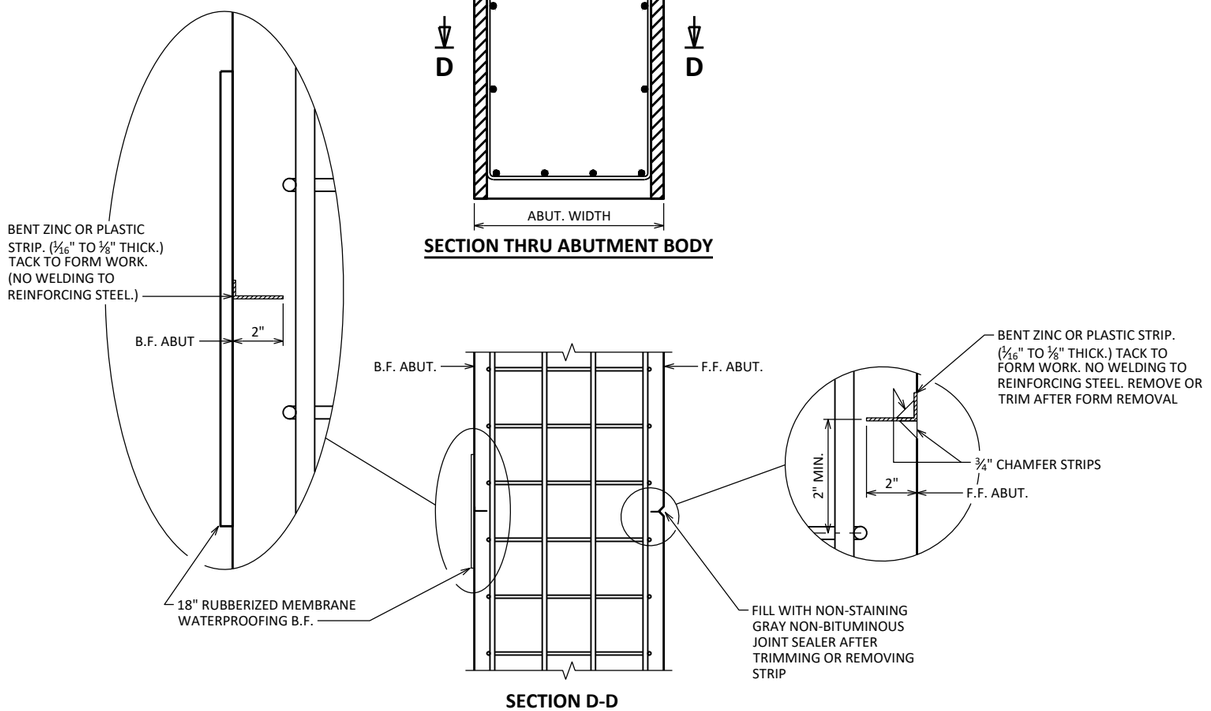
3/24/2025 8:20 AM

STATE PROJECT NUMBER

5992-11-28



SECTION THRU ABUTMENT BODY



SECTION D-D

ALTERNATE CONSTRUCTION JOINT AT ABUTMENT

NOTES

PARTIAL ZINC OR PLASTIC BULKHEAD MAY BE USED AS ALTERNATIVE CONSTRUCTION JOINT, WITH THE PERMISSION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

VERTICAL CONSTRUCTION JOINT KEYWAY IS NOT REQUIRED WHEN USING ALTERNATE CONSTRUCTION JOINT.

CARE IS TO BE USED IN CASTING CONCRETE AROUND BULKHEAD TO PREVENT DISLOCATION OR MISALIGNMENT OF THE BULKHEAD.

SAW CUTTING JOINT IS NOT ALLOWED.

◐ USE A JOINT TOOL TO CONSTRUCT A CONTRACTION JOINT APPROXIMATELY ½" DEEP.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

ALTERNATE CONSTRUCTION JOINT

SHEET 11
1219

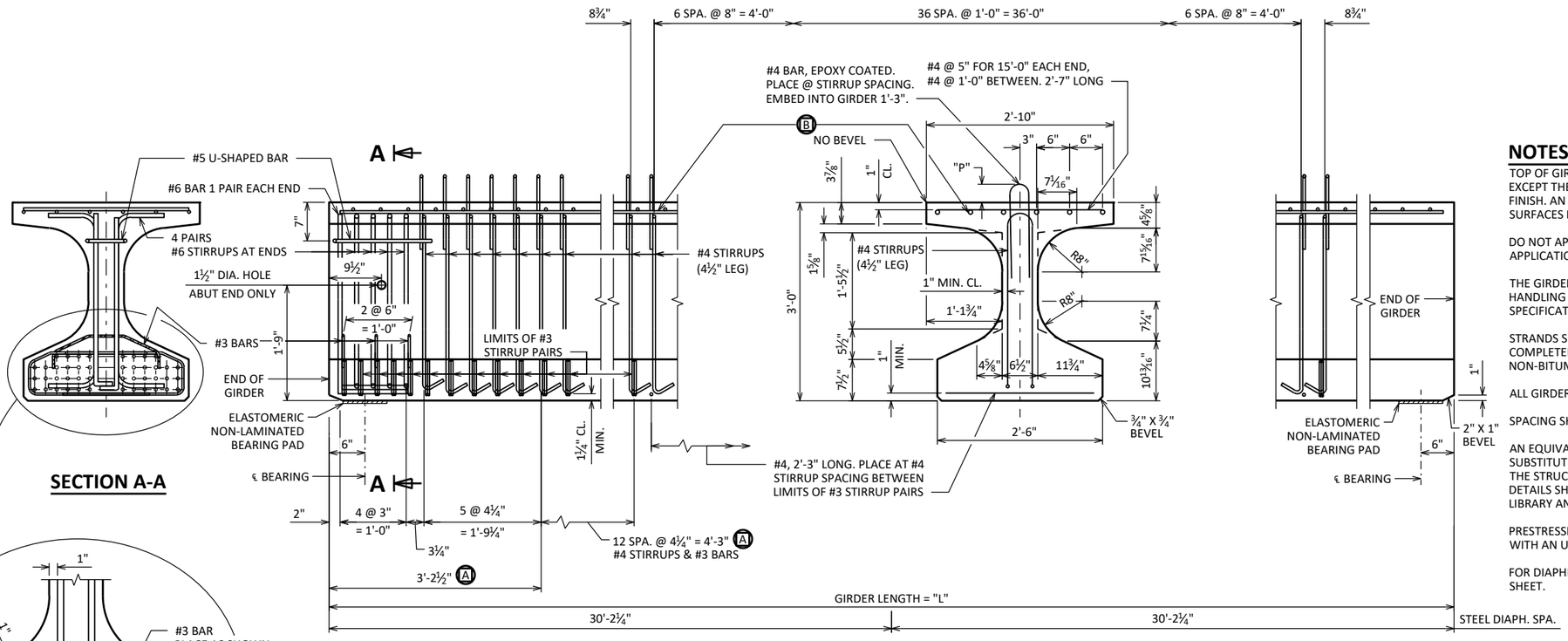
SCALE = 2.00

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8

STATE PROJECT NUMBER

5992-11-28



SECTION A-A

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER.

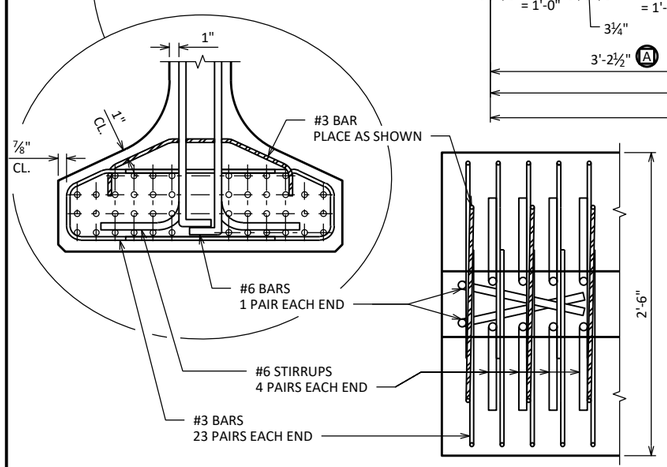
ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DESIGN SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM INSERT & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

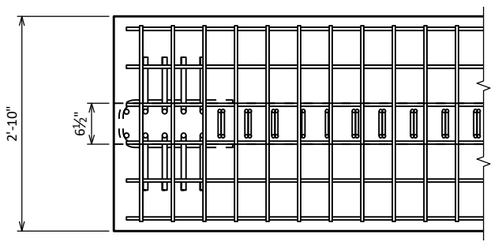


BOTTOM FLANGE

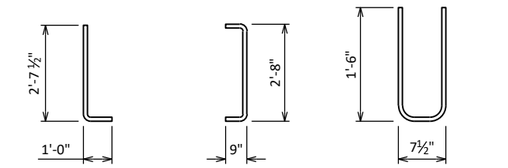
SIDE VIEW & TYPICAL SECTION IN SPAN

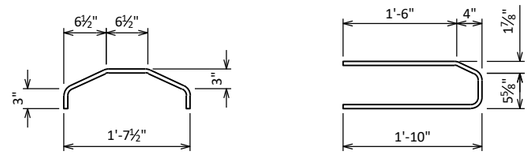
Ⓐ DETAIL TYP. AT EACH END

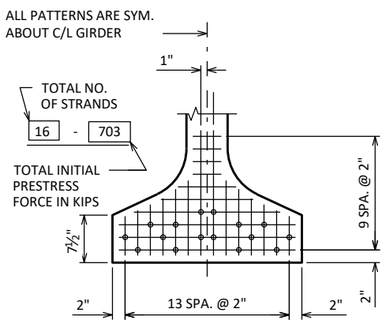
Ⓑ 6 #5 BARS, FULL LENGTH, MIN. LAP = 2'-5"



TOP FLANGE







TYP. STRAND PATTERN

⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE @ TIME OF TRANSFER OF PRESTRESS FORCE.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.)									CONC. STRGTH. f'c (P.S.I.)	"P" (IN.)			DIA. OF STRAND (IN.)	DRAPED PATTERN						UNDRAPED PATTERN	
			1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10		1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER		TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1 & 2	1 & 3	60'-4½"	0.1	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.1	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800
1 & 2	2	60'-4½"	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.2	8,000	7	7	7	0.6	-	-	-	-	-	-	16	6,800

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER DETAILS

SHEET 12
1220

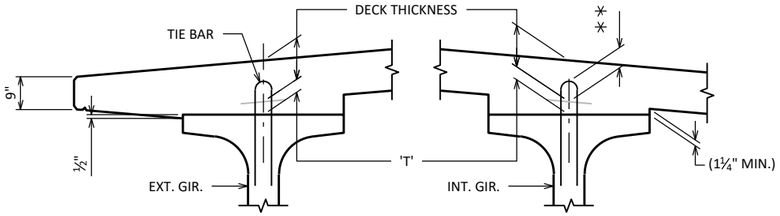
SCALE = 2.00

STATE PROJECT NUMBER

5992-11-28

TOP OF DECK ELEVATIONS

LOCATION	SPAN POINT	WEST CURB FACE	C/L GIRDER 1	R/L CAPITAL CITY TRAIL	C/L GIRDER 2	C/L GIRDER 3	EAST CURB FACE
S. ABUT.	1.0	852.79	852.77	852.76	852.63	852.49	852.47
	1.1	852.82	852.80	852.80	852.66	852.52	852.50
	1.2	852.86	852.84	852.83	852.69	852.55	852.53
	1.3	852.89	852.87	852.86	852.73	852.58	852.56
	1.4	852.92	852.90	852.89	852.76	852.62	852.60
	1.5	852.95	852.93	852.92	852.79	852.65	852.63
	1.6	852.98	852.96	852.96	852.82	852.68	852.66
	1.7	853.02	853.00	852.99	852.85	852.71	852.69
	1.8	853.05	853.03	853.02	852.89	852.74	852.72
	1.9	853.08	853.06	853.05	852.92	852.78	852.76
PIER	2.0	853.11	853.09	853.08	852.95	852.81	852.79
	2.1	853.14	853.12	853.12	852.98	852.84	852.82
	2.2	853.18	853.16	853.15	853.01	852.87	852.85
	2.3	853.21	853.19	853.18	853.05	852.90	852.88
	2.4	853.24	853.22	853.21	853.08	852.94	852.92
	2.5	853.27	853.25	853.24	853.11	852.97	852.95
	2.6	853.30	853.28	853.28	853.14	853.00	852.98
	2.7	853.34	853.32	853.31	853.17	853.03	853.01
	2.8	853.37	853.35	853.34	853.21	853.06	853.04
	2.9	853.40	853.38	853.37	853.24	853.10	853.08
N. ABUT.	3.0	853.43	853.41	853.40	853.27	853.13	853.11



DECK HAUNCH DETAIL

IF 1¾" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR, THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁑⁑ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

TOP OF DECK ELEV. AT FINAL GRADE
\- TOP OF GIRDER ELEVATION
\+ DEAD LOAD DEFLECTION
\- DECK THICKNESS
= HAUNCH HEIGHT 'T'

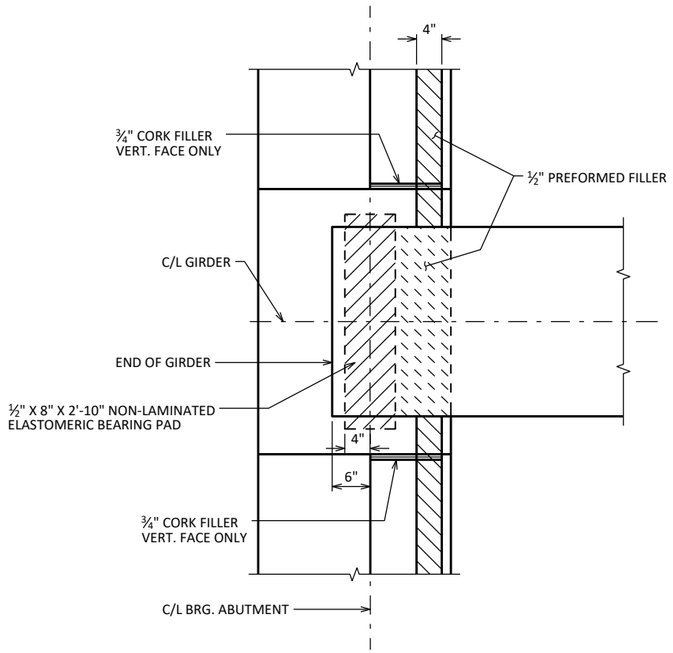
NOTE: AN AVERAGE HAUNCH ('T') OF 2⅝" WAS USED IN THE QUANTITY "CONCRETE MASONRY BRIDGES".

⁂ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	CAMBER (IN.) ⁂
1 & 2	1

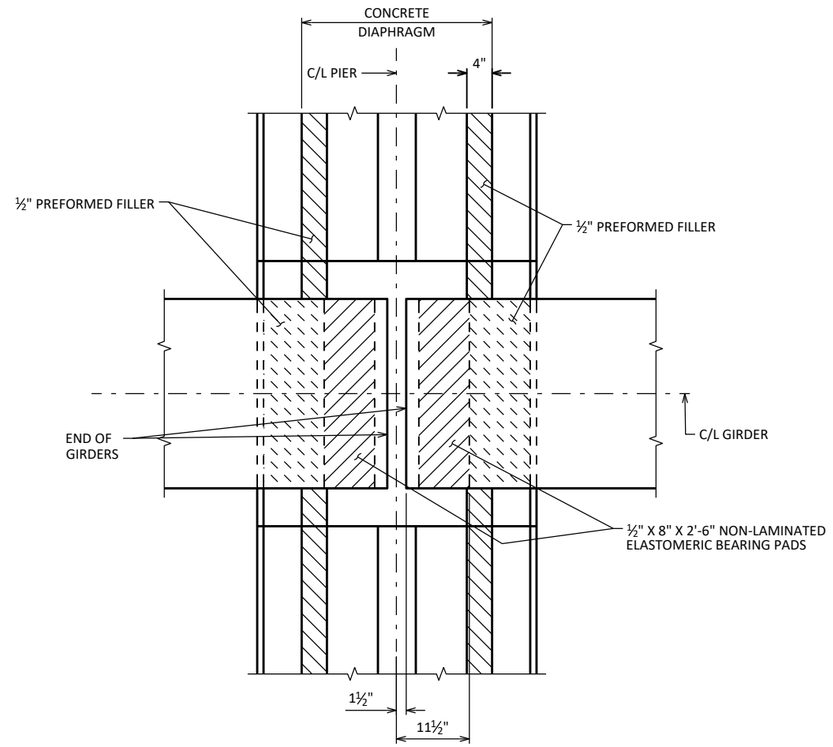
THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.



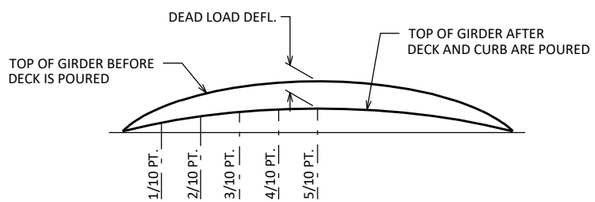
BEARING PAD DETAIL

AT ABUTMENTS



BEARING PAD DETAIL

AT PIER



DEAD LOAD DEFLECTION DIAGRAM

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

36W" PRESTRESSED GIRDER & DECK FORMING DETAILS

SHEET 13
1221

SCALE = 2.00

8

8

G:\00\00373\00373103\CADD\C3D\SheetsPlan\Structures\B-13-0932 Pedestrian Bridge\00373103_B-13-0932_13 36W PS GIRDER AND DECK FORMING.dwg

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STATE PROJECT NUMBER

5992-11-28

NOTES

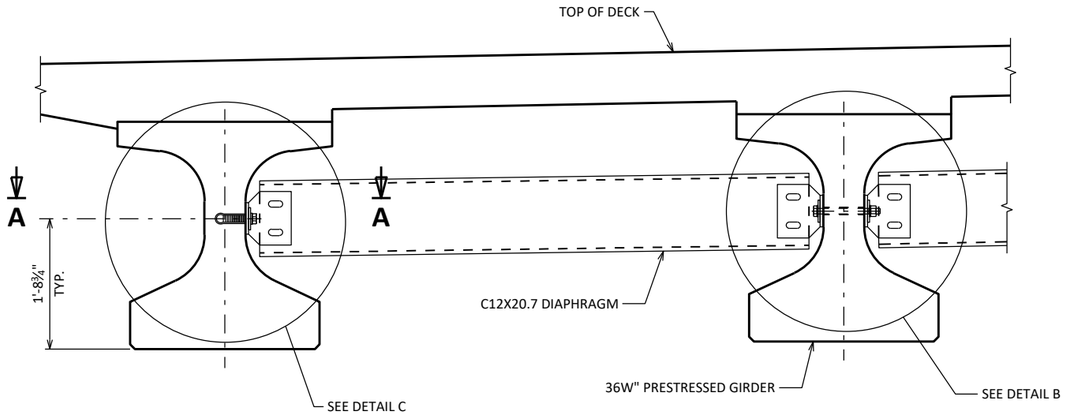
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-932", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

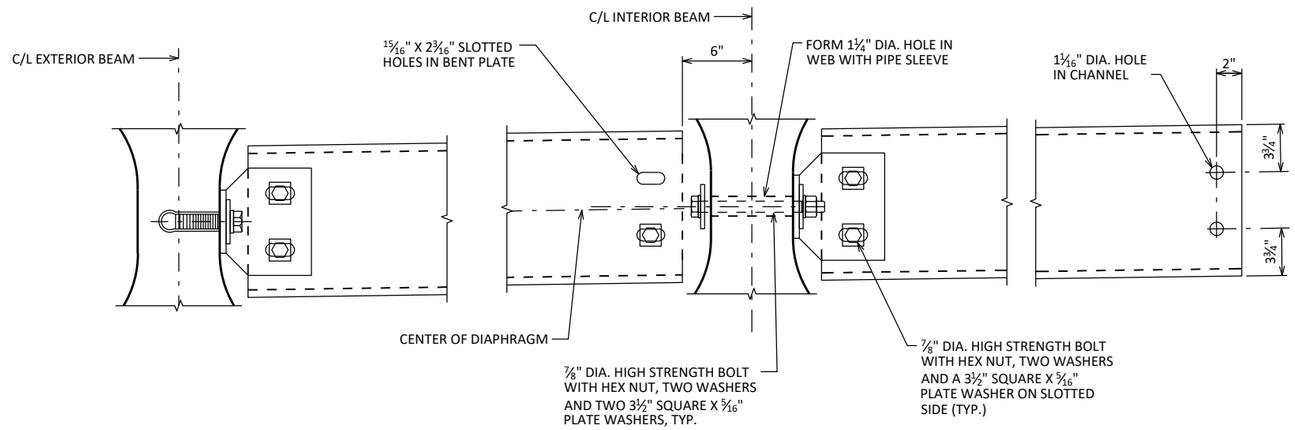
ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.

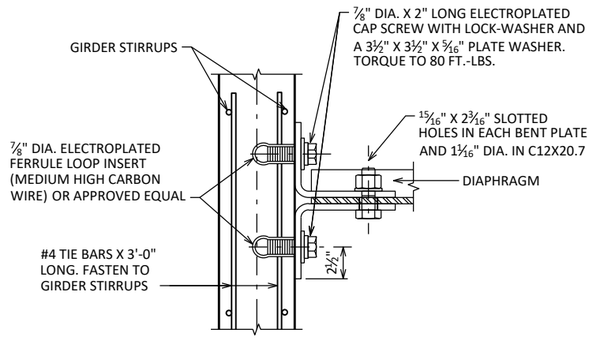


EXTERIOR GIRDER **INTERIOR GIRDER**

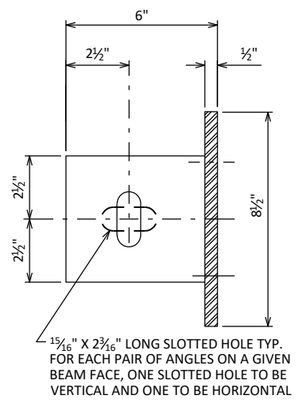
PART TRANSVERSE SECTION AT DIAPHRAGM



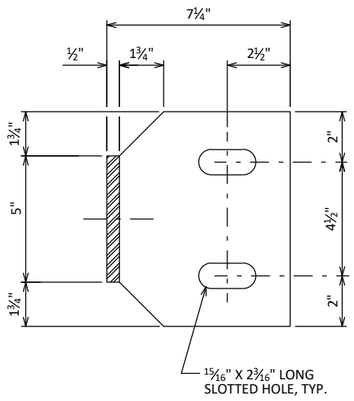
DETAIL C **DETAIL B**



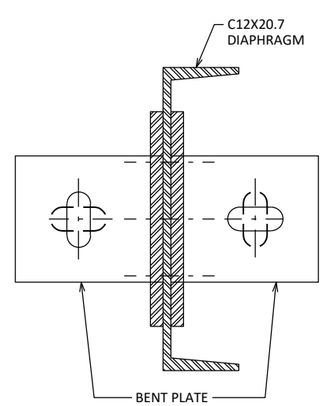
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

STEEL DIAPHRAGM

SHEET 14
1222

SCALE = 2.00

8

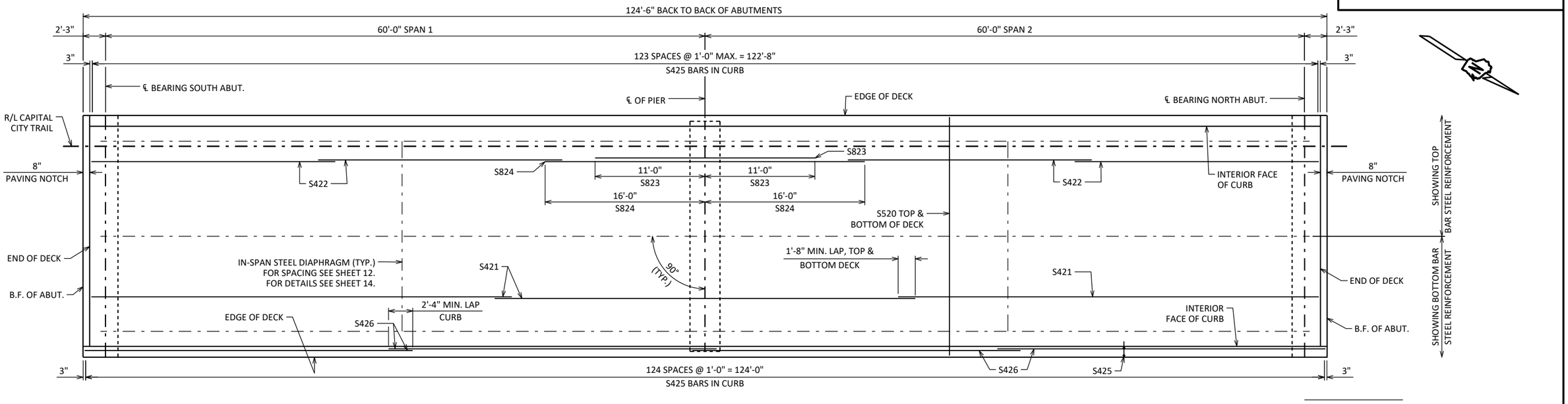
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STATE PROJECT NUMBER

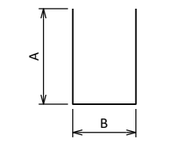
5992-11-28



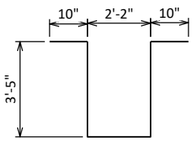
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

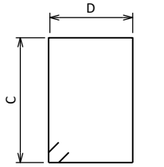
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
S401	X	28	3'-5"	X		DIAPH. @ ABUT. - SEMI-EXP. NOTCH - STIRRUP - VERT.
S402	X	8	5'-8"			DIAPH. @ ABUT. - SEMI-EXP. NOTCH - HORIZ.
S503	X	40	12'-4"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S504	X	12	9'-8"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S605	X	10	26'-8"			DIAPH. @ ABUT. - B.F. & TOP - HORIZ.
S606	X	4	6'-8"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
S607	X	16	5'-4"			DIAPH. @ ABUT. - F.F. - INTERIOR BAYS - HORIZ.
S608	X	2	3'-10"			DIAPH. @ ABUT. - WEST END - HORIZ.
S609	X	4	4'-8"			DIAPH. @ ABUT. - WEST END - HORIZ.
S510	X	40	6'-9"	X		DIAPH. @ ABUT. - STIRRUP - VERT.
S511	X	12	6'-0"			DIAPH. @ ABUT. - THRU GIRDER WEB - TRANS.
S412	X	4	3'-7"			DIAPH. @ ABUT. - EAST END - VERT.
S513	X	10	14'-2"	X		DIAPH. @ ABUT. - ENDS - STIRRUP - VERT.
S614	X	2	1'-0"			DIAPH. @ ABUT. - EAST END - HORIZ.
S615	X	4	6'-6"	X		DIAPH. @ ABUT. - EAST END - HORIZ.
S516	X	16	10'-2"	X		DIAPH. @ PIER. - STIRRUP - VERT.
S517	X	4	7'-8"	X		DIAPH. @ PIER. - STIRRUP - VERT.
S418	X	8	3'-10"			DIAPH. @ PIER - HORIZ.
S419	X	16	4'-10"			DIAPH. @ PIER - HORIZ.
S520	X	369	23'-10"			DECK - TOP & BOTTOM - TRANS.
S421	X	44	42'-1"			DECK - BOTTOM - LONGIT.
S422	X	136	24'-5"			DECK - TOP - LONGIT.
S823	X	31	22'-0"			DECK - TOP - OVER PIER - LONGIT.
S824	X	34	32'-0"			DECK - TOP - OVER PIER - LONGIT.
S425	X	249	4'-1"	X		DECK & INTO CURB - VERT.
S426	X	32	32'-10"			CURB - ON DECK -LONGIT.
S427	X	26	9'-0"	X		CURB & CURB FOOTING - STIRRUP - VERT.
S428	X	16	12'-4"			CURB & CURB FOOTING - HORIZ.
S429	X	8	11'-8"			CURB FOOTING - HORIZ.
S430	X	8	4'-11"	X		DIAPH. @ ABUT & INTO CURB - VERT.
S431	X	8	5'-0"			CURB - DIAPH. @ ABUT - HORIZ.



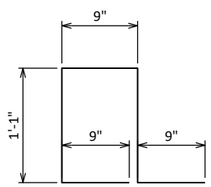
MARK	A	B
S401	1'-4"	11"
S510	2'-3"	2'-6"
S615	1'-10"	3'-2"
S430	2'-2"	9"



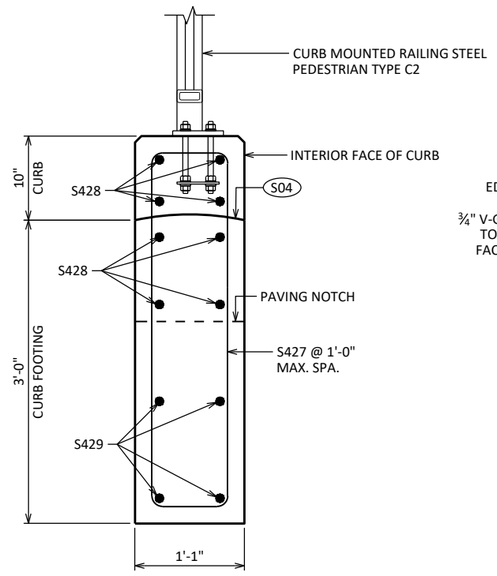
S516



MARK	C	D
S503	2'-8"	3'-2"
S504	1'-4"	3'-2"
S513	3'-7"	3'-2"
S517	1'-4"	2'-2"
S427	3'-6"	9"

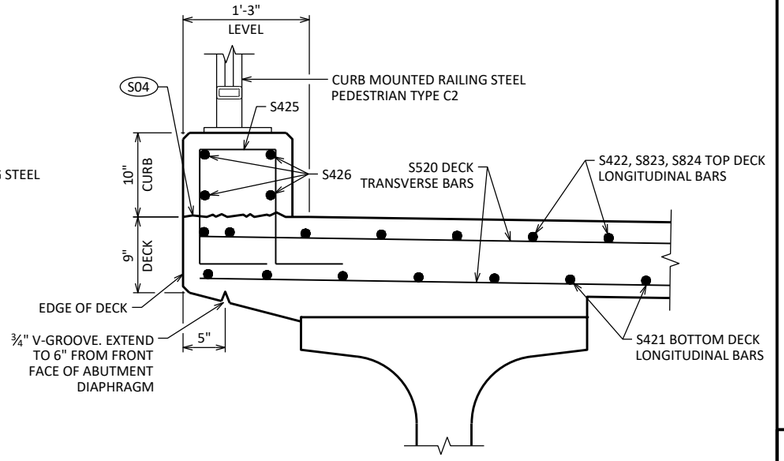


S425



CURB FOOTING DETAIL

S04 CONSTRUCTION JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.



EDGE OF DECK DETAIL

S04 CONSTRUCTION JOINT STRIKE OFF AS SHOWN AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE

SHEET 15
1223

8

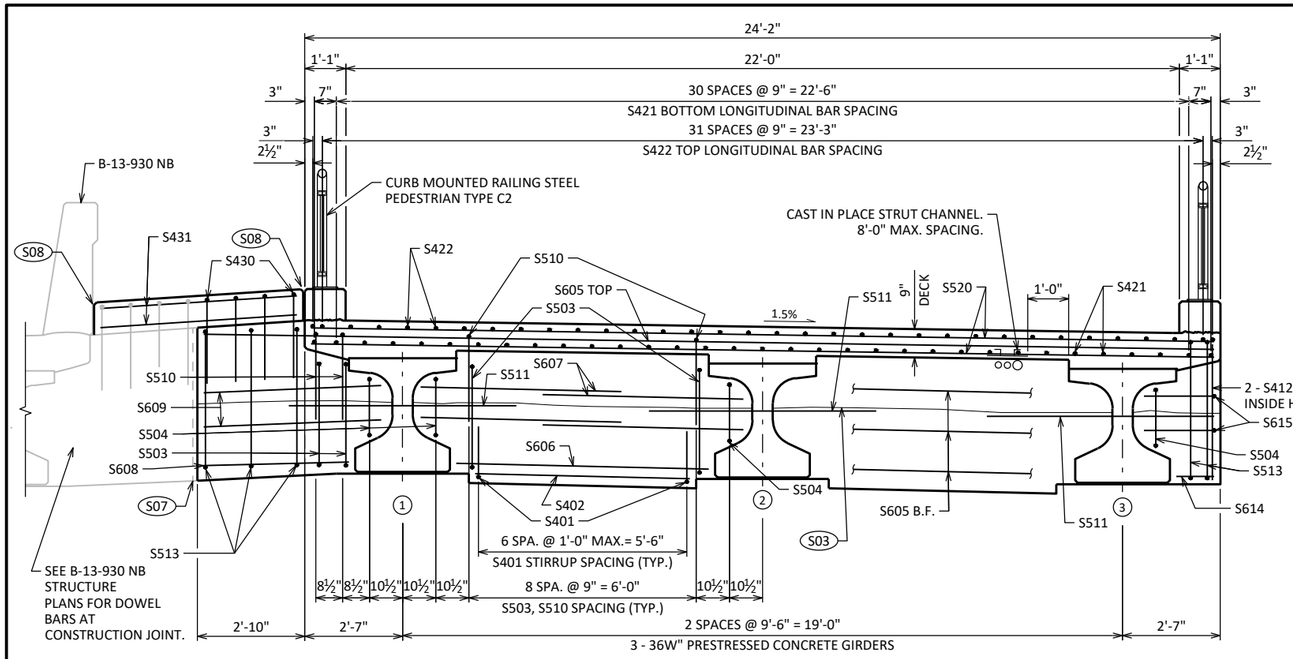
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4/30/2025 2:47 PM

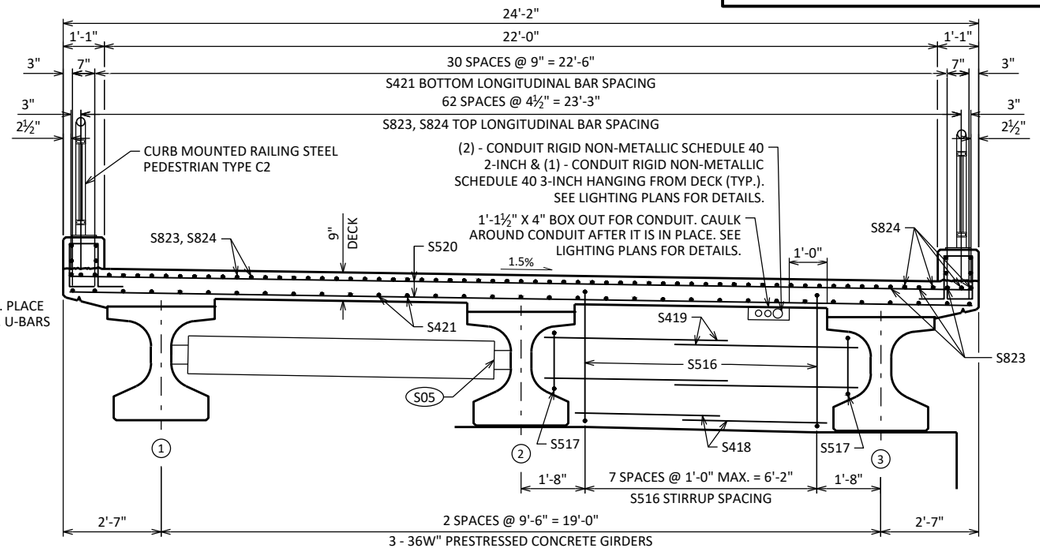
STATE PROJECT NUMBER

5992-11-28



AT ABUTMENT
CROSS SECTION THRU BRIDGE

(LOOKING NORTH)

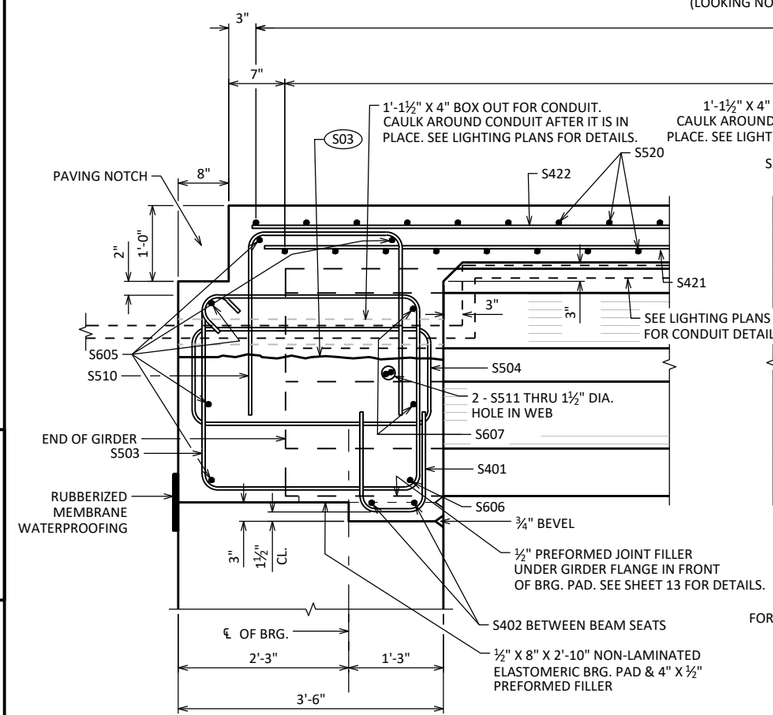


IN SPAN AT PIER
CROSS SECTION THRU BRIDGE

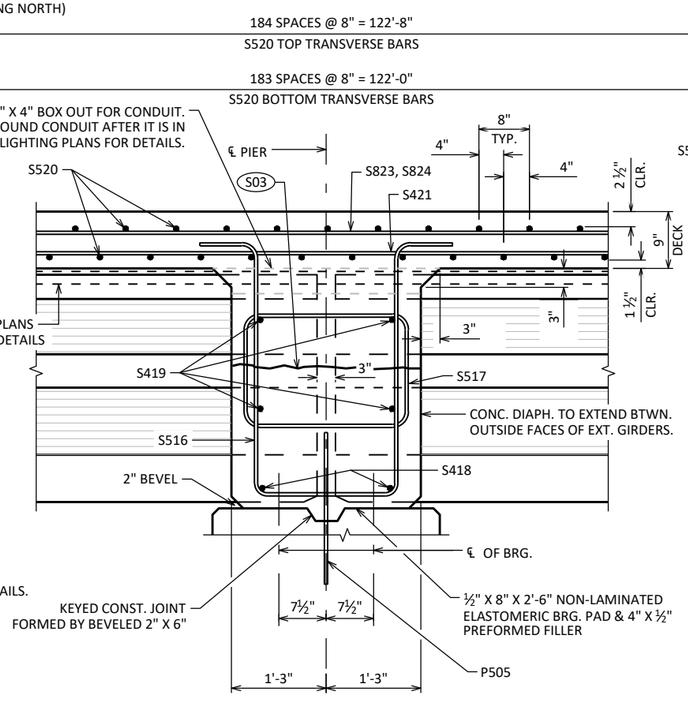
(LOOKING NORTH)

LEGEND

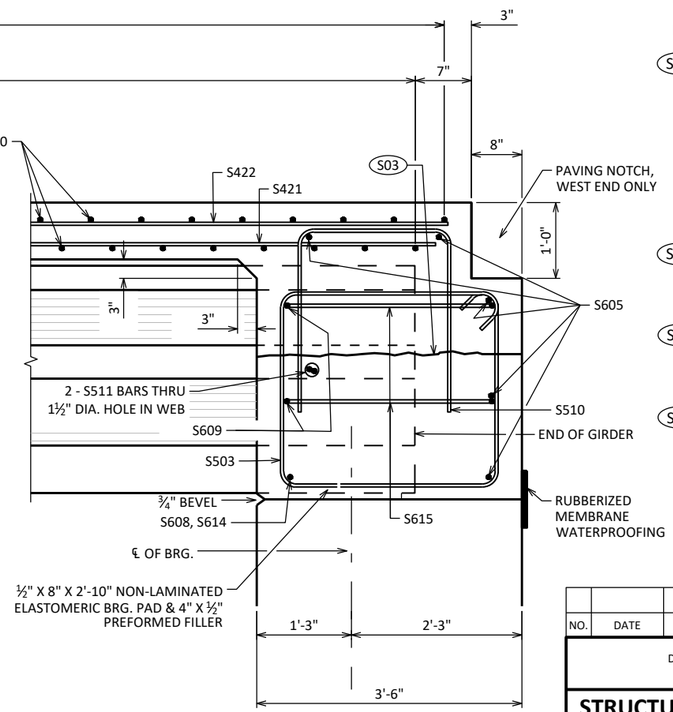
- ◯ INDICATES GIRDER NUMBER.
- F.F. FRONT FACE B.F. BACK FACE
- (S03) OPTIONAL CONSTRUCTION JOINT 1'-2" BELOW TOP OF GIRDERS. IF USED, DECK POUR MUST BE WITHIN 2 WEEKS FROM THE TIME OF THE DIAPHRAGM POUR. HORIZONTAL 18" WIDE RUBBERIZED MEMBRANE WATERPROOFING SHALL BE PLACED ALONG JOINT AT BACK FACE OF ABUTMENTS IF CONSTRUCTION JOINT IS USED (COST INCLUDED IN BID ITEM "CONCRETE MASONRY STRUCTURES").
- (S05) FOR DETAILS OF STEEL DIAPHRAGMS AND DIAPHRAGM INSERTS, SEE SHEET 14. FOR LAYOUT OF STEEL DIAPHRAGMS, SEE SHEET 12.
- (S07) VERT. CONST. JOINT: KEYWAY FORMED BY A BEVELED 2 x 8. ¾" "V" GROOVE @ THE FRONT FACE AND 18" RMW @ BACK FACE.
- (S08) ½" FILLER: SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 18" BELOW SURFACE OF CONCRETE).



AT ABUTMENT INTERIOR BAYS



AT PIER



AT ABUTMENT ENDS

LONGITUDINAL SECTION THRU BRIDGE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY EKK | PLANS CK'D JDH

SUPERSTRUCTURE SECTIONS & DETAILS

SHEET 16
1224

8

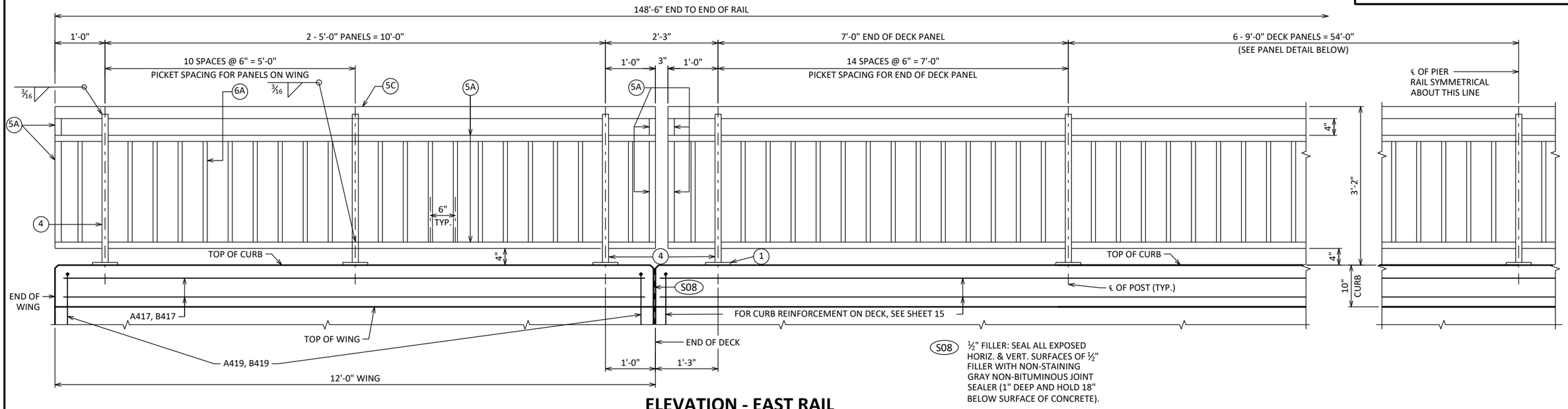
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6/25/2025 10:33 AM

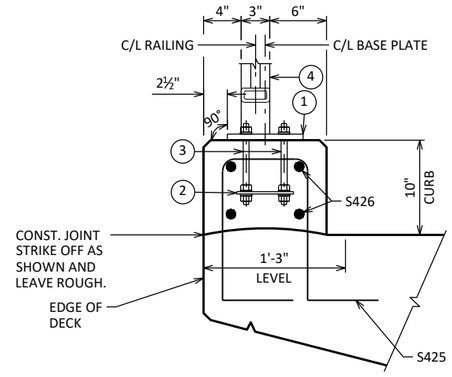
STATE PROJECT NUMBER

5992-11-28

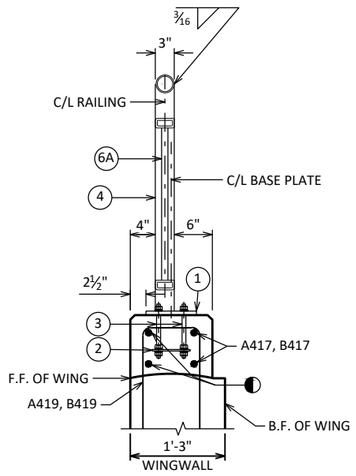


ELEVATION - EAST RAIL

S08 ½" FILLER: SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 18" BELOW SURFACE OF CONCRETE).

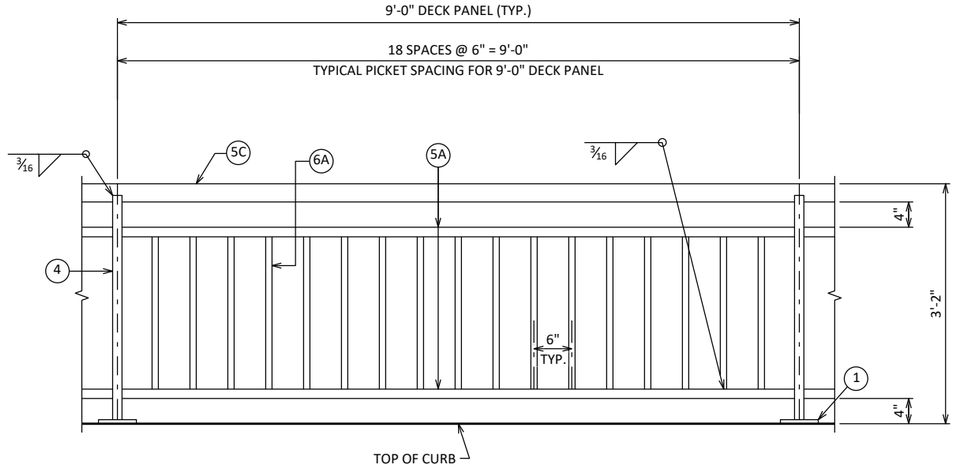


SECTION THRU CURB ON BRIDGE



SECTION THRU RAIL ON WING

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



ELEVATION - TYPICAL 9'-0" PANEL ON DECK

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR | PLANS CK'D JDH

EAST COMBINATION RAIL TYPE 'C2'

SHEET 17
1225

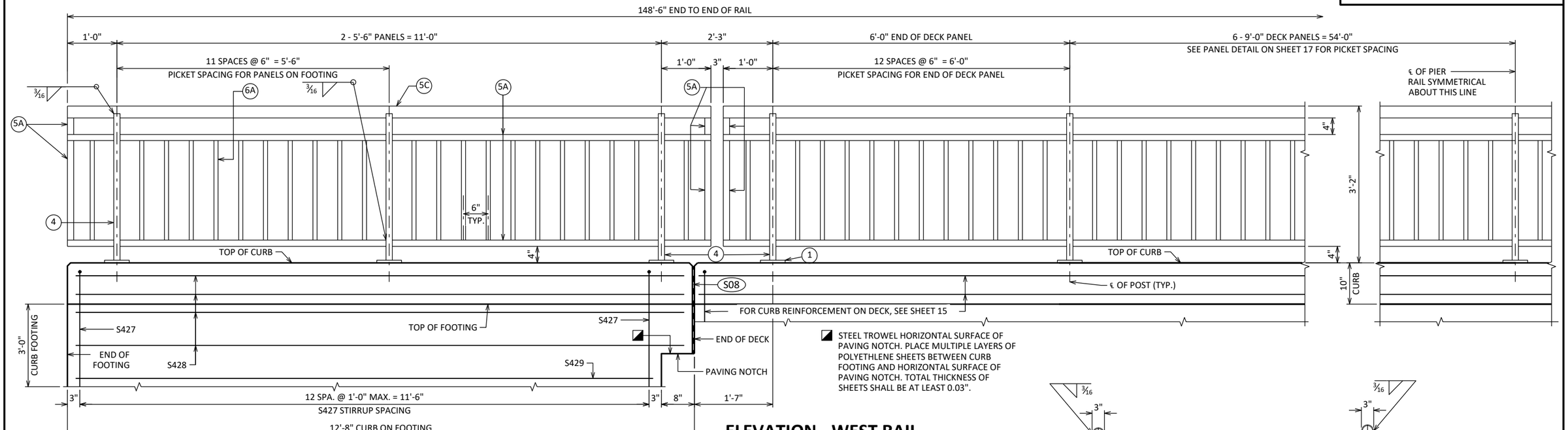
SCALE = 6

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3/24/2025 9:30 AM

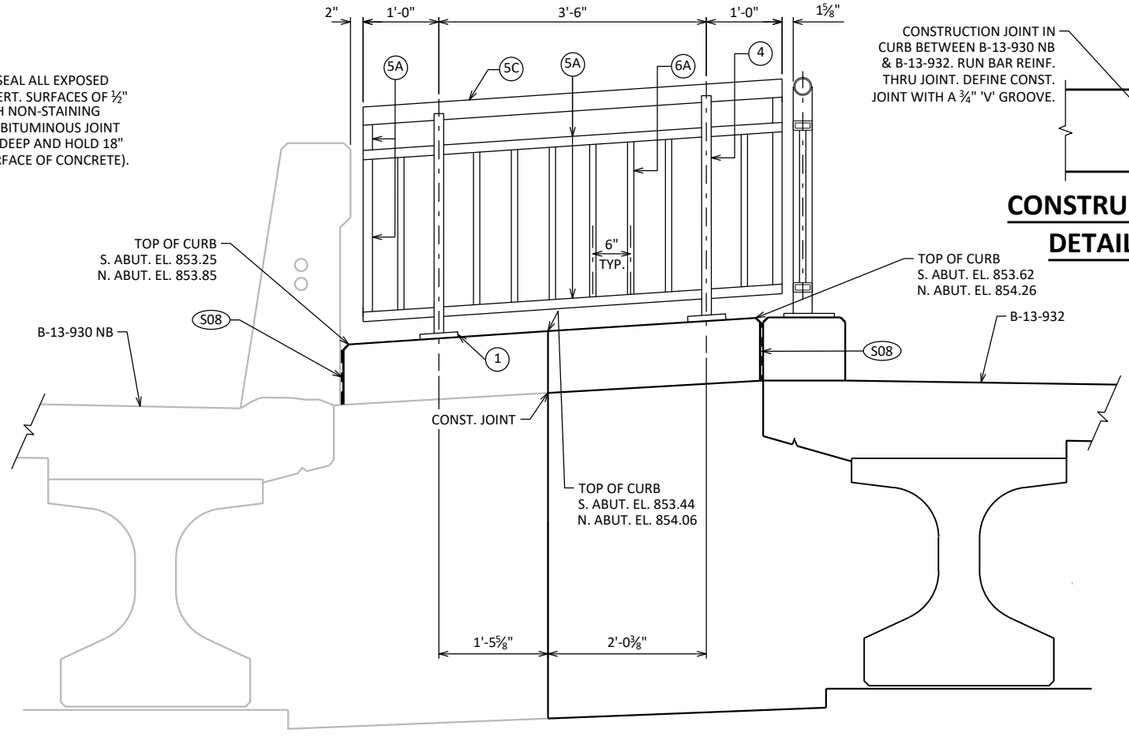
STATE PROJECT NUMBER

5992-11-28



STEEL TROWEL HORIZONTAL SURFACE OF PAVING NOTCH. PLACE MULTIPLE LAYERS OF POLYETHLENE SHEETS BETWEEN CURB FOOTING AND HORIZONTAL SURFACE OF PAVING NOTCH. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

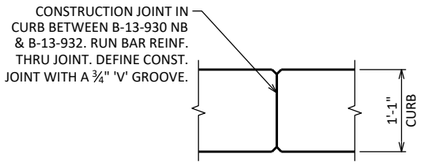
ELEVATION - WEST RAIL



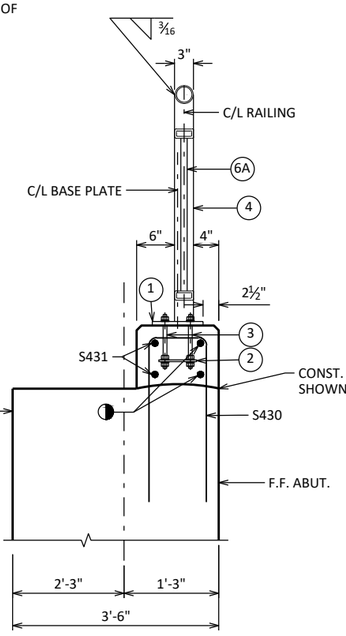
S08 ½" FILLER: SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF ½" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD 18" BELOW SURFACE OF CONCRETE).

ELEVATION - RAIL BETWEEN STRUCTURES

ELEVATIONS GIVEN AT CENTER OF ABUTMENT BEARING AND PILES

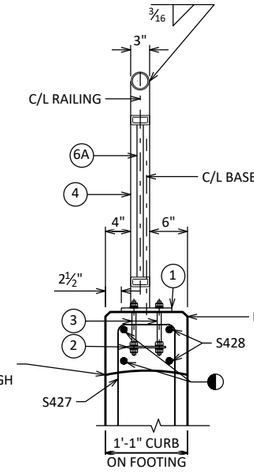


CONSTRUCTION JOINT DETAIL IN CURB



SECTION THRU CURB ON ABUTMENT DIAPHRAGM

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



SECTION THRU CURB ON FOOTING

◐ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND/OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR | PLANS CK'D JDH

WEST COMBINATION RAIL TYPE 'C2'

SHEET 18
1226

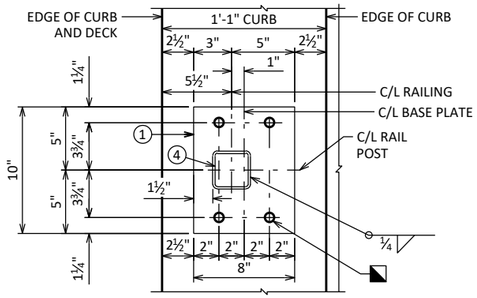
SCALE = 6

8

8

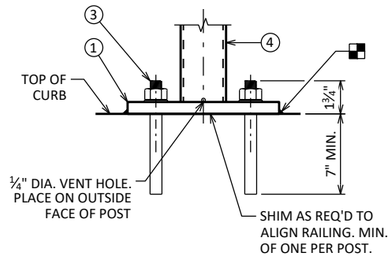
STATE PROJECT NUMBER

5992-11-28

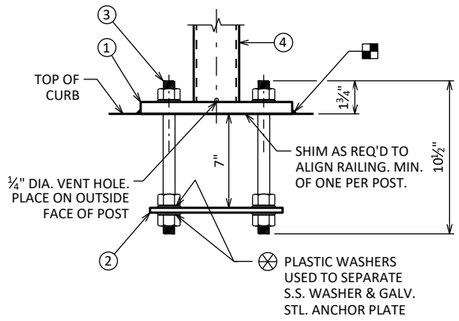


RAIL POST BASE PLATE

◪ ¾" DIA. HOLES FOR ADHESIVE ANCHORS
¾" DIA. X 1 ½" SLOTTED HOLES FOR CAST-IN PLACE ANCHORS



ADHESIVE ANCHORS



CAST-IN-PLACE ANCHORS

ANCHORAGE FOR RAIL POSTS

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

LEGEND

1. PLATE ⅝" X 8" X 10" WITH ¾" HOLES. ◪
2. ¼" X 6" X 9 ¾" ANCHOR PLATE WITH $\frac{11}{16}$" DIA. HOLES FOR THR'D RODS NO. 3.
3. ⅝" DIA. X 10 ½" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.
4. STRUCTURAL TUBING 3" X 3" X $\frac{3}{16}$". PLACE VERTICAL. WELD TO NO. 1. & NO. 5.

5A. STRUCTURAL TUBING 3" X 1½" X $\frac{3}{16}$" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

5C. STRUCTURAL TUBING 2½" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

6A. BAR 1" X 1" PICKETS. WELD TO NO. 5. PLACE VERTICAL.

9A. RECTANGULAR SLEEVE FABRICATED FROM $\frac{3}{16}$" PLATES. PROVIDE "SLIDING FIT".

9B. CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

10A. RECTANGULAR SLEEVE FABRICATED FROM $\frac{3}{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ ABUTMENT JTS.)

10B. CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ ABUTMENT JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

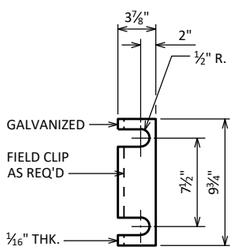
◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

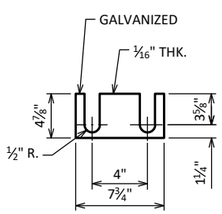
ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

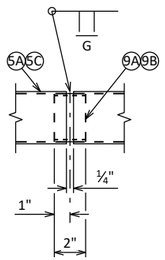
TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.





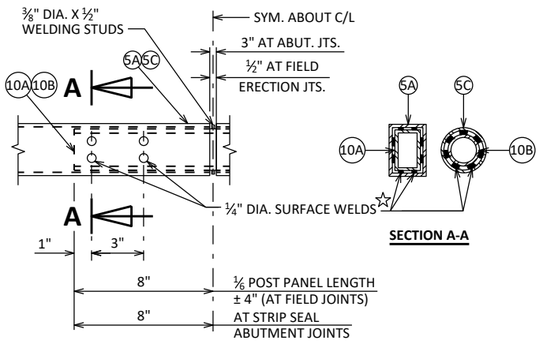
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POST



SHOP RAIL SPLICE DETAIL

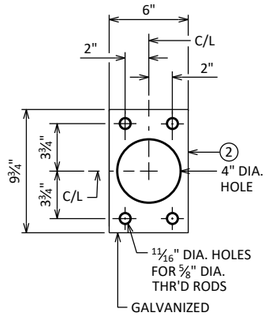
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY RLR | PLANS CK'D JDH

COMBINATION RAIL TYPE 'C2' DETAILS

SHEET 19
1227

SCALE = 6

8

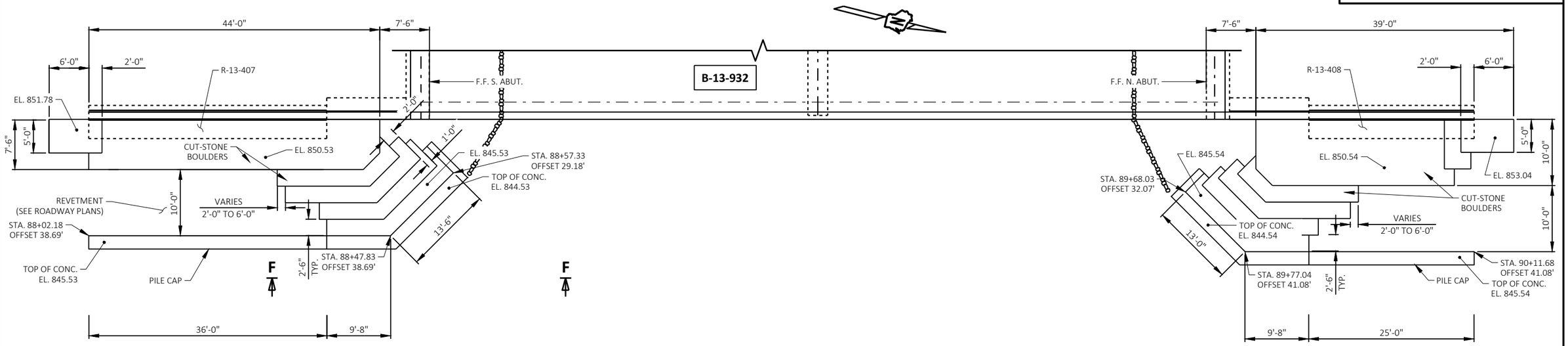
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G:\00\00373\00373103\CADD\C3D\SheetsPlan\Structures\B-13-0932 Pedestrian Bridge\00373103_B-13-0932_19 PED RAIL DETAILS.dwg

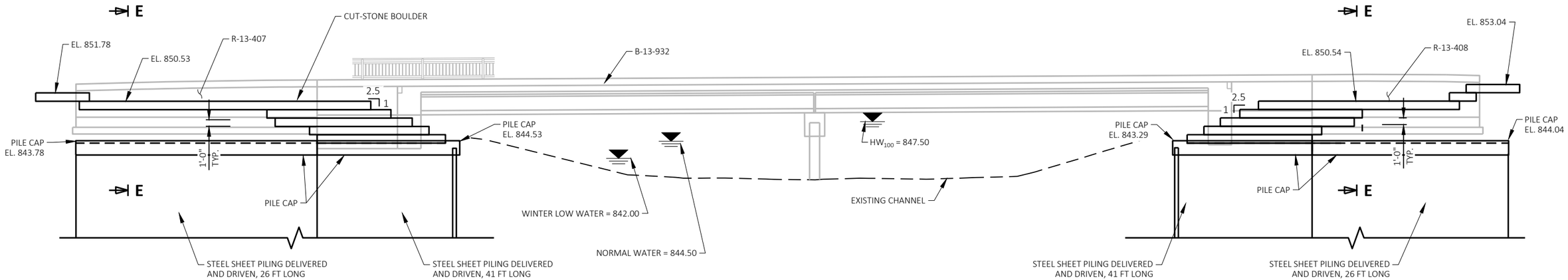
3/24/2025 10:17 AM

STATE PROJECT NUMBER

5992-11-28



PLAN VIEW



ELEVATION (CUT-STONE BOULDER)

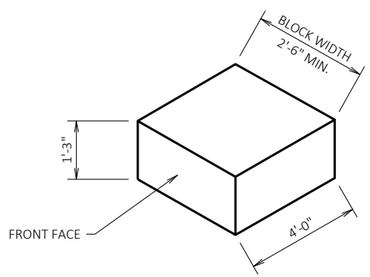
NOTES

EXCAVATION REQUIRED FOR UNDERCUT IS INCLUDED IN BID ITEM "CUT-STONE BOULDERS."

PROVIDE PZ27 SHEET PILING IN 26 AND 41 FT LENGTHS. PAID AS BID ITEM "PILING STEEL SHEET PERMANENT DELIVERED" AND "PILING STEEL SHEET PERMANET DRIVEN."

CONCRETE FOR PILING CAP TO BE PAID AS "CONCRETE MASONRY RETAINING WALLS."

CRUSHED AGGREGATE AASHTO NO. 4 IS INCIDENTAL TO BID ITEM "CUT-STONE BOULDERS."



CUT-STONE BOULDER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY STD | PLANS CK'D CDH

CUT-STONE BOULDER

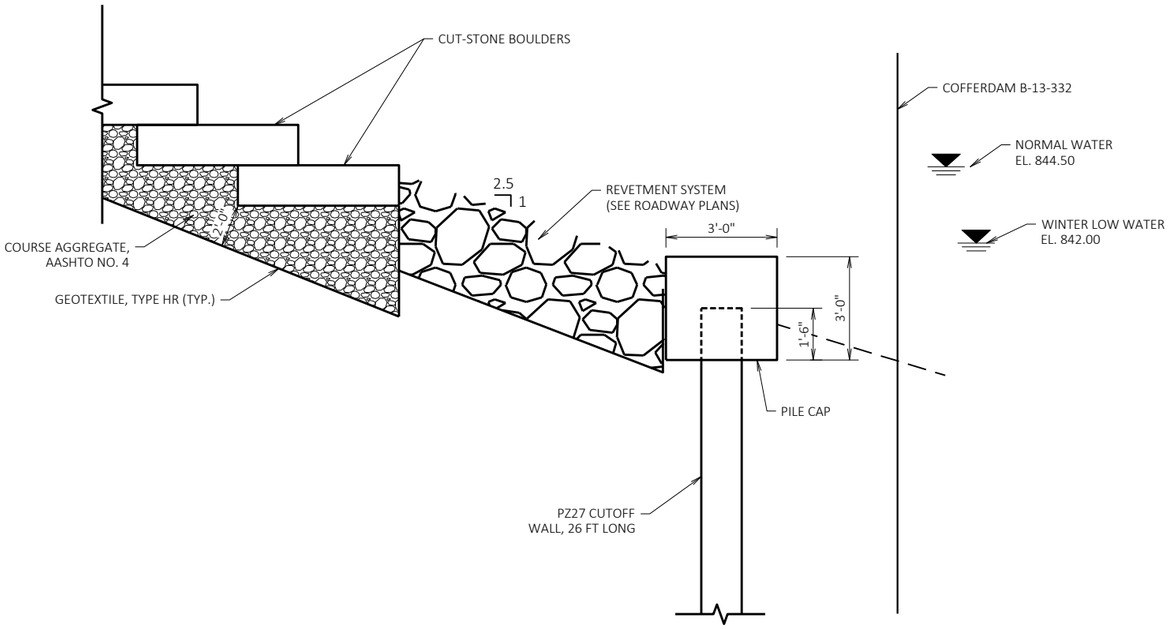
SHEET 20
1228

8

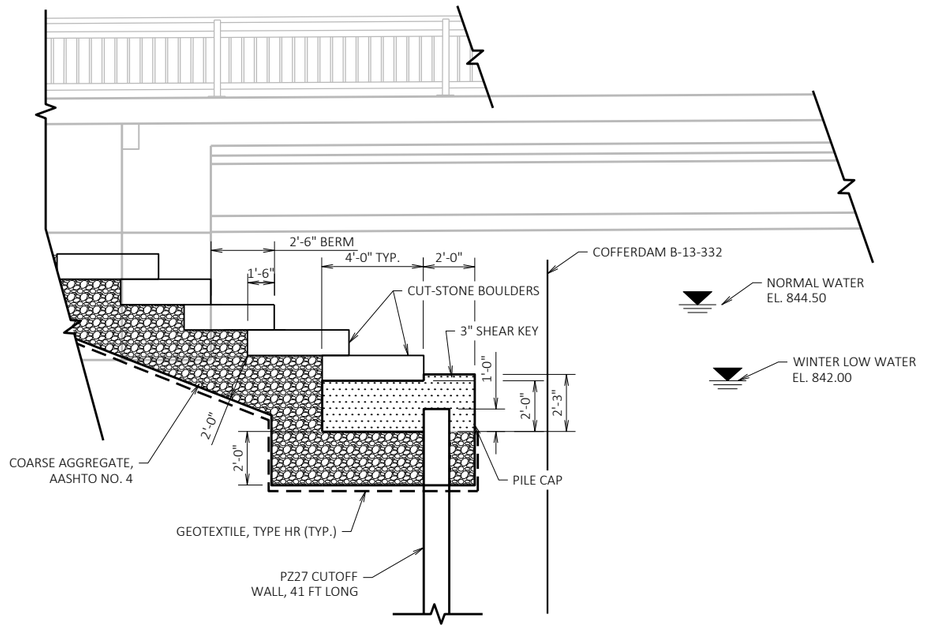
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STATE PROJECT NUMBER

5992-11-28



SECTION E-E



SECTION F-F

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

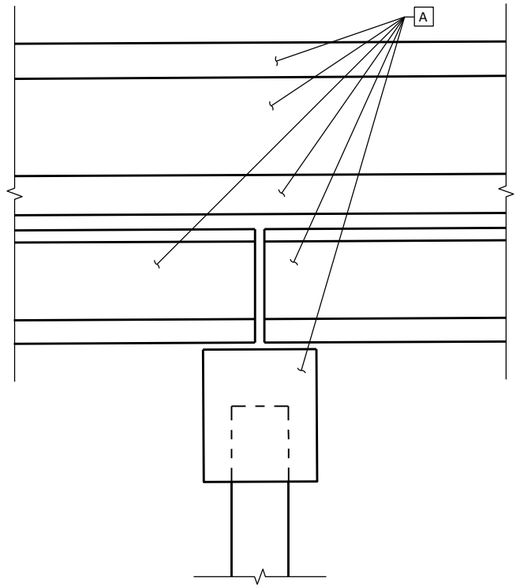
DRAWN BY STD | PLANS CK'D CDH

CUT-STONE BOULDER DETAILS

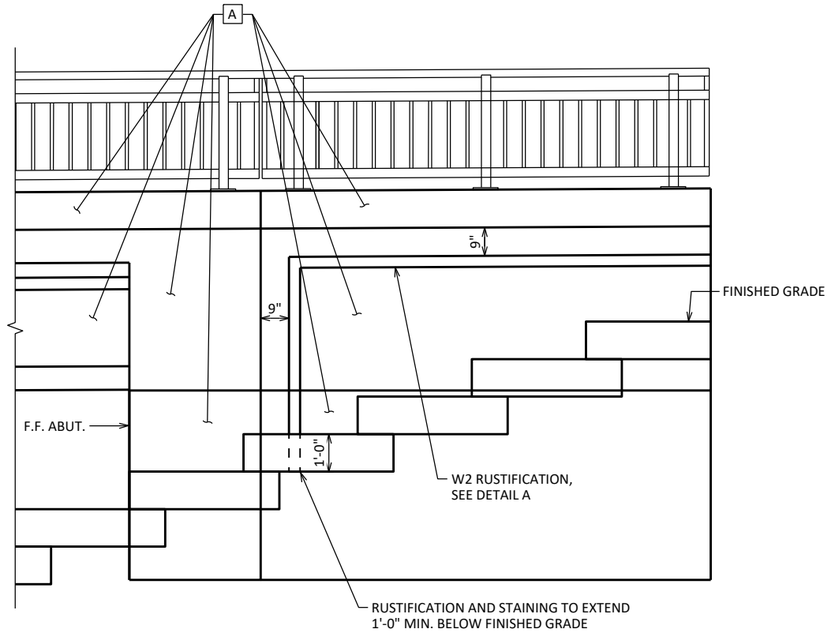
SHEET 21
1229

STATE PROJECT NUMBER

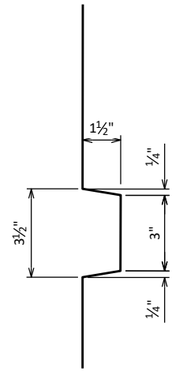
5992-11-28



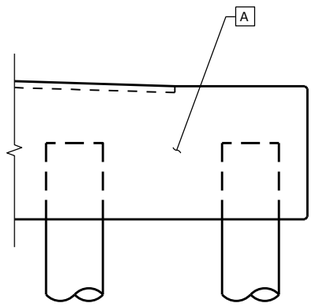
OUTSIDE ELEVATION STAINING DETAIL AT PIER



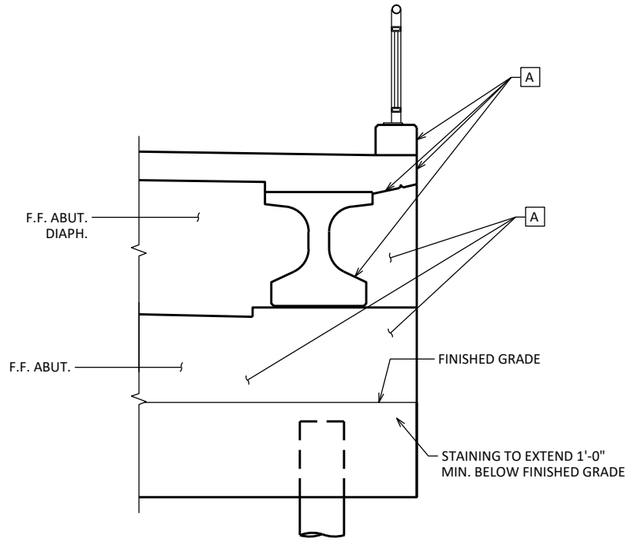
OUTSIDE ELEVATION STAINING DETAIL AT ABUTMENTS



DETAIL A



FRONT ELEVATION STAINING DETAIL AT PIER



FRONT ELEVATION STAINING DETAIL AT ABUTMENTS

CONCRETE STAINING SCHEDULE

MARK	COLOR	FEDERAL COLOR NUMBER	LOCATION
A	PEARL GRAY	26622	EXTERIOR FACES OF CURB, EXTERIOR FACES OF DECK, EXTERIOR FACE OF BOTH EXTERIOR GIRDERS, FRONT FACE OF BOTH EXTERIOR BAY ABUTMENT DIAPHRAGMS, EXPOSED FACES OF PIER CAP, AND EXPOSED FACES OF ABUTMENTS AND WINGS

NOTES

DO NOT PLACE FINAL RIPRAP HEAVY AND CUT-STONE BOULDERS WITHIN 1'-6" OF WING AND ABUTMENT SURFACES TO BE STAINED UNTIL STAINING AND RUSTIFICATION IS COMPLETE.

8

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NO.	DATE	REVISION	BY

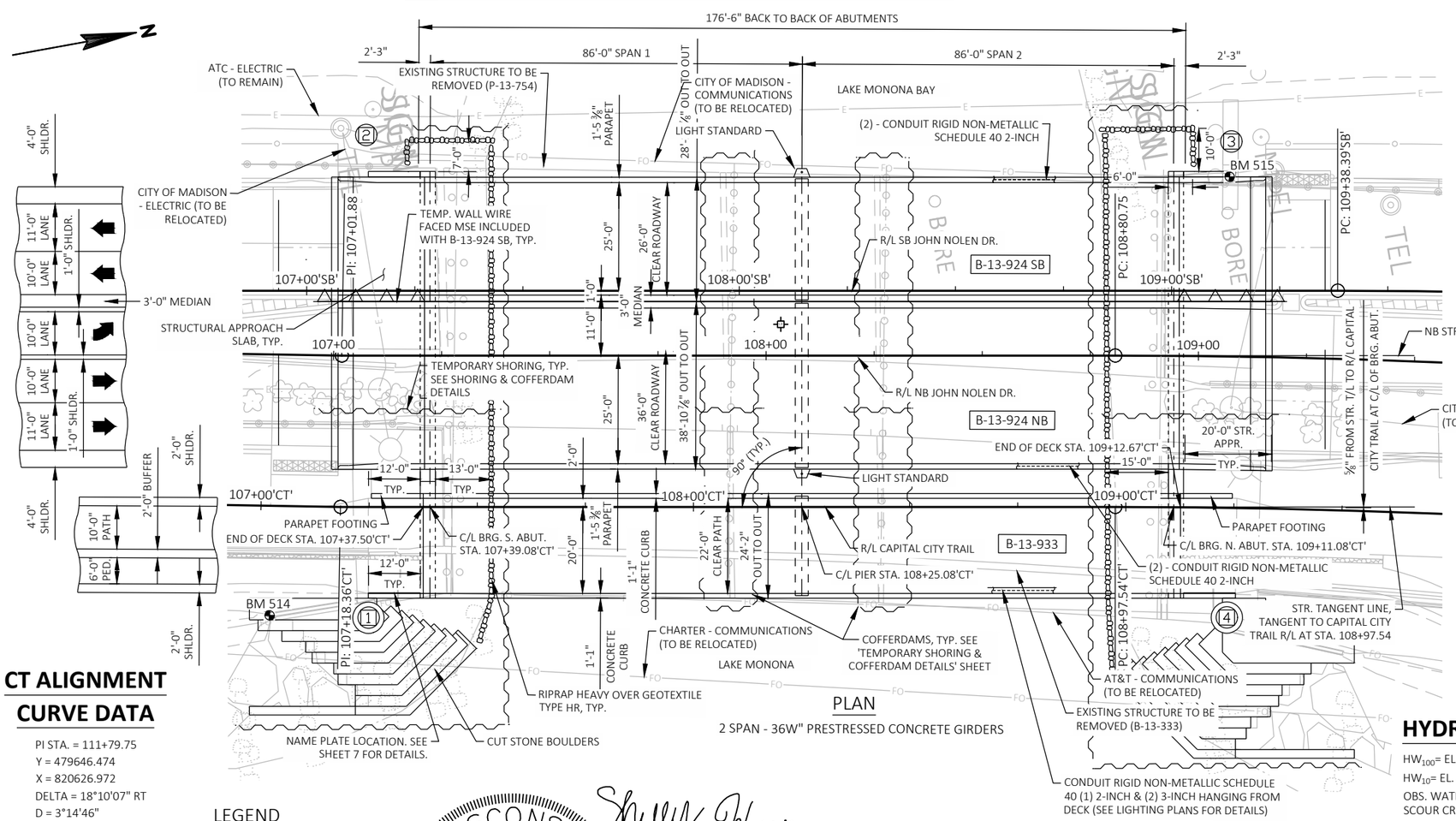
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-932

DRAWN BY JDH | PLANS CK'D NRT

AESTHETIC DETAILS

SHEET 22
1230



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: H-10

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT AND A POLYMER OVERLAY OF 5 POUNDS PER SQUARE FOOT.

STRUCTURE IS DESIGNED FOR A UNIFORM PEDESTRIAN LIVE LOAD OF 90 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 160 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 110' LONG AT NORTH ABUT.
- 100' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 320 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

TRAFFIC DATA

JOHN NOLEN DRIVE:

A.A.D.T. = 37,300 (2025)
A.A.D.T. = 40,500 (2045)
RDS = 40 MPH

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
OBS. WATER = EL. 844.86 (KL SURVEY ON 6/23/21)
SCOUR CRITICAL CODE = 8

CT ALIGNMENT CURVE DATA

PI STA. = 111+79.75
Y = 479646.474
X = 820626.972
DELTA = 18°10'07" RT
D = 3°14'46"
T = 282.21'
L = 559.68'
R = 1765.00'
PC STA. = 108+97.54
Y = 479368.482
X = 820578.364
PT STA. = 114+57.22
Y = 479895.450
X = 820759.837
DB = N09°55'05.1"E
DA = N28°05'11.7"E

LEGEND

DIRECTION OF TRAFFIC

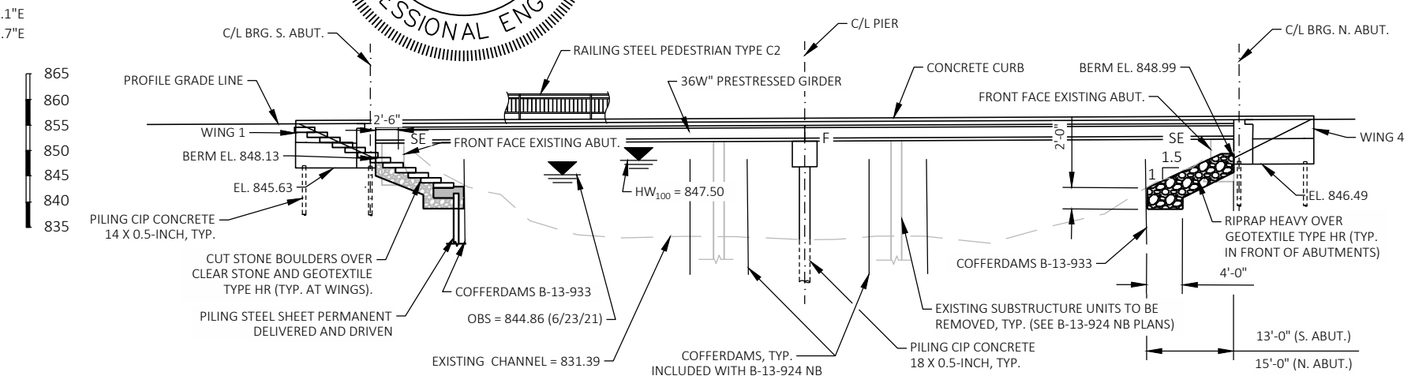
INDICATES WING NUMBER

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

BENCH MARK

NO.	Y	X	DESCRIPTION	ELEV.
514	479171.659	820569.698	CUT SQ CONC WALL	854.63
515	479402.698	820507.777	CUT SQ CONC WALL	858.23



ELEVATION
(LOOKING WEST)

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. QUANTITIES
4. GENERAL NOTES, PROFILES & DETAILS
5. SUBSURFACE EXPLORATION
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT WING DETAILS
8. SOUTH ABUTMENT DETAILS
9. NORTH ABUTMENT
10. NORTH ABUTMENT WING DETAILS
11. NORTH ABUTMENT DETAILS
12. SUBSTRUCTURE DETAILS
13. PIER
14. PIER DETAILS
15. 36W" PRESTRESSED GIRDER
16. 36W" PRESTRESSED GIRDER DETAILS
17. SUPERSTRUCTURE FRAMING PLAN
18. STEEL DIAPHRAGM
19. SUPERSTRUCTURE PLAN
20. SUPERSTRUCTURE CROSS SECTION
21. SUPERSTRUCTURE DETAILS
22. SUPERSTRUCTURE BILL OF BARS
23. PARAPET FOOTING
24. TYPE C2 PEDESTRIAN RAILING DETAILS (1 OF 2)
25. TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2)
26. CUT STONE BOULDER
27. CUT STONE BOULDER DETAILS
28. AESTHETIC DETAILS
29. TEMPORARY SHORING & COFFERDAM DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering
[A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

STATE PROJECT NUMBER
5992-11-28

STRUCTURE B-13-933

CAPITAL CITY TRAIL OVER LAKE MONONA

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	GWK	DESIGNED CK'D	SKH	DRAWN BY	STD	PLANS CK'D	WAH

GENERAL PLAN & ELEVATION

SHEET 1 OF 29
1231

I.D. DATE:

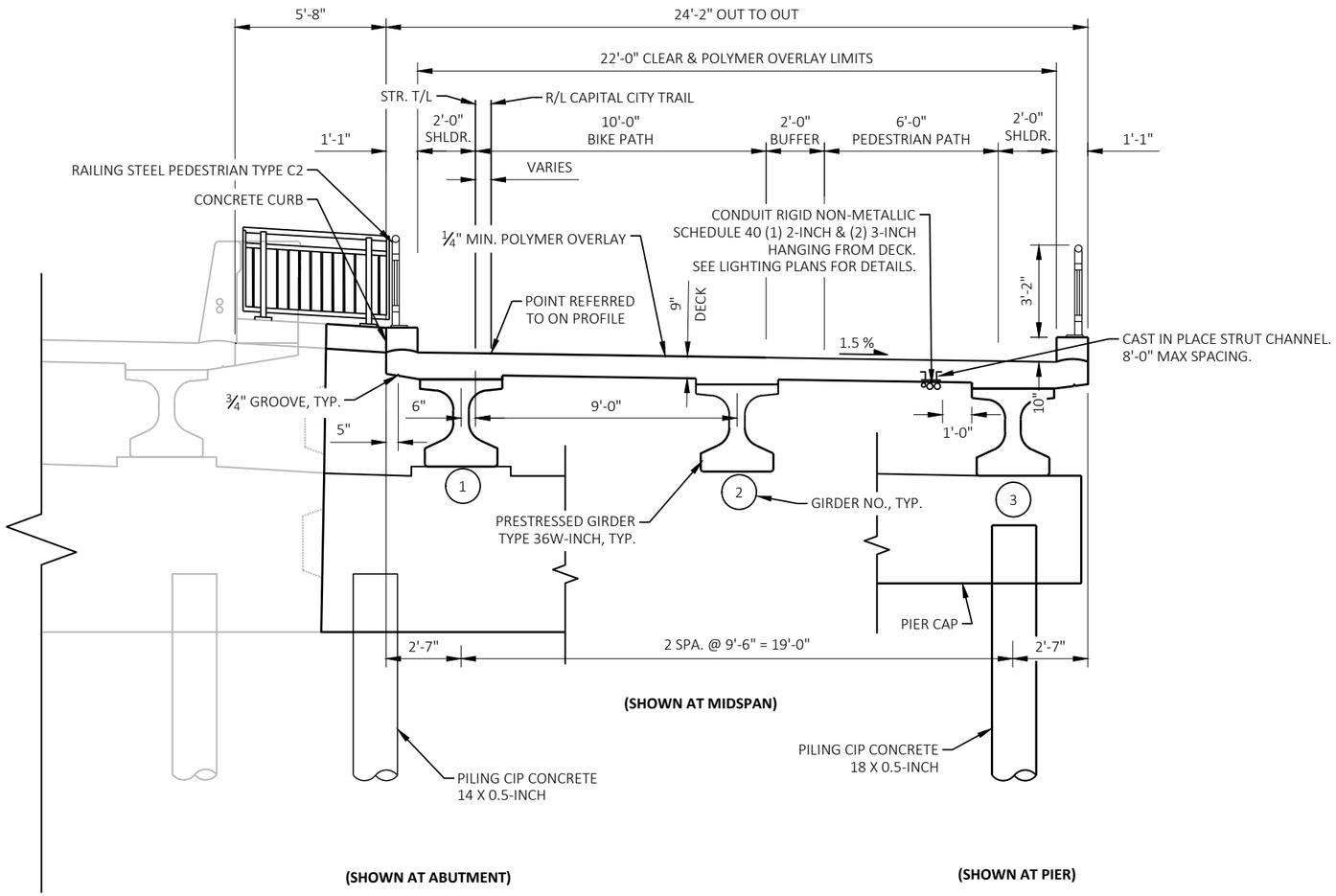
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STATE PROJECT NUMBER

5992-11-28



B-13-924 NB

B-13-933 TYPICAL SECTION

(LOOKING NORTH)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

TYPICAL SECTION

SHEET 2
1232

SCALE =

STATE PROJECT NUMBER

5992-11-28

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	TOTAL
206.1001.08	EXCAVATION FOR STRUCTURES BRIDGES B-13-933	EACH	---	---	---	---	1
206.5001.08	COFFERDAMS B-13-933	EACH	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	140	---	140	---	280
501.1000.S	ICE HOT WEATHER CONCRETING	LB	209	65	211	1,304	1,789
502.0100	CONCRETE MASONRY BRIDGES	CY	27.8	8.7	28.1	173.8	238
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	435	435
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	86.0	86
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	518.3	518
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	38	---	43	---	81
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,540	4,590	1,550	---	7,680
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	830	---	830	29,840	31,500
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	3	6	3	---	12
506.4000.08	STEEL DIAPHRAGMS B-13-933	EACH	---	---	---	8	8
509.5100.S	POLYMER OVERLAY	SY	---	---	---	427	427
512.0500	PILING STEEL SHEET PERMANENT DELIVERED	SF	2,763	---	3,123	---	5,886
512.0600	PILING STEEL SHEET PERMANENT DRIVEN	SF	2,763	---	3,123	---	5,886
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	---	---	---	383	383
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	8	---	8	---	15
517.1010.S.08	CONCRETE STAINING B-13-933	SF	168	190	170	2,387	2,915
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	600	---	660	---	1,260
606.0300	RIPRAP HEAVY	CY	35	---	40	---	75
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	59	---	59	---	118
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	22	---	22	---	44
645.0120	GEOTEXTILE TYPE HR	SY	287	---	355	---	642
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	---	---	---	23	23
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	525	---	---	525
SPV.0165.201	CUT STONE BOULDERS	SF	740	---	890	---	1,630
	NON-BID ITEMS						
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"		

ALL BID ITEMS SHOWN ARE IN CATEGORY 0030

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

QUANTITIES

SHEET 3

1233

SCALE =

STATE PROJECT NUMBER

5992-11-28

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-933" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK AND TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE CURBS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE AND CUT STONE BOULDER CONSTRUCTION SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B-13-933".

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

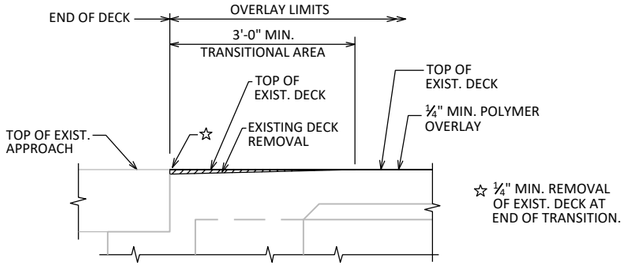
POLYMER OVERLAY IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED DURING STAGE 3 CONSTRUCTION.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING NON-ASPHALTIC JOINT SEALER (1-INCH DEEP AND HOLD ⅛" BELOW SURFACE OF THE CONCRETE). COLOR TO MATCH ADJACENT SURFACES.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASHTO M213.

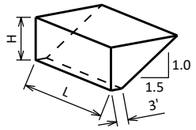
SEE LIGHTING PLANS FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 (1) 2-INCH & (2) 3-INCH HANGING FROM THE DECK.

EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED 8'-0" MAX SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.



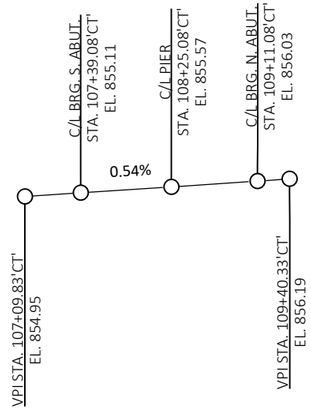
SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION JOINT

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)

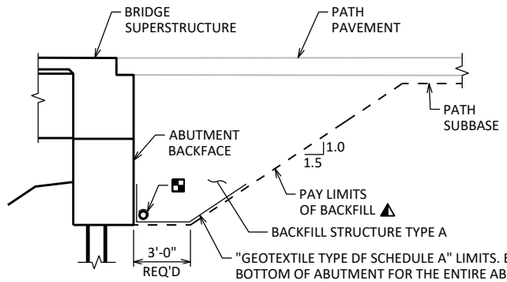


ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



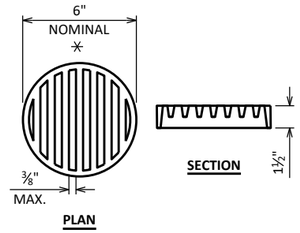
PROFILE GRADE LINE - JND CT



TYPICAL SECTION THRU ABUTMENT

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



RODENT SHIELD DETAIL

⚹ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

GENERAL NOTES, PROFILES, & DETAILS

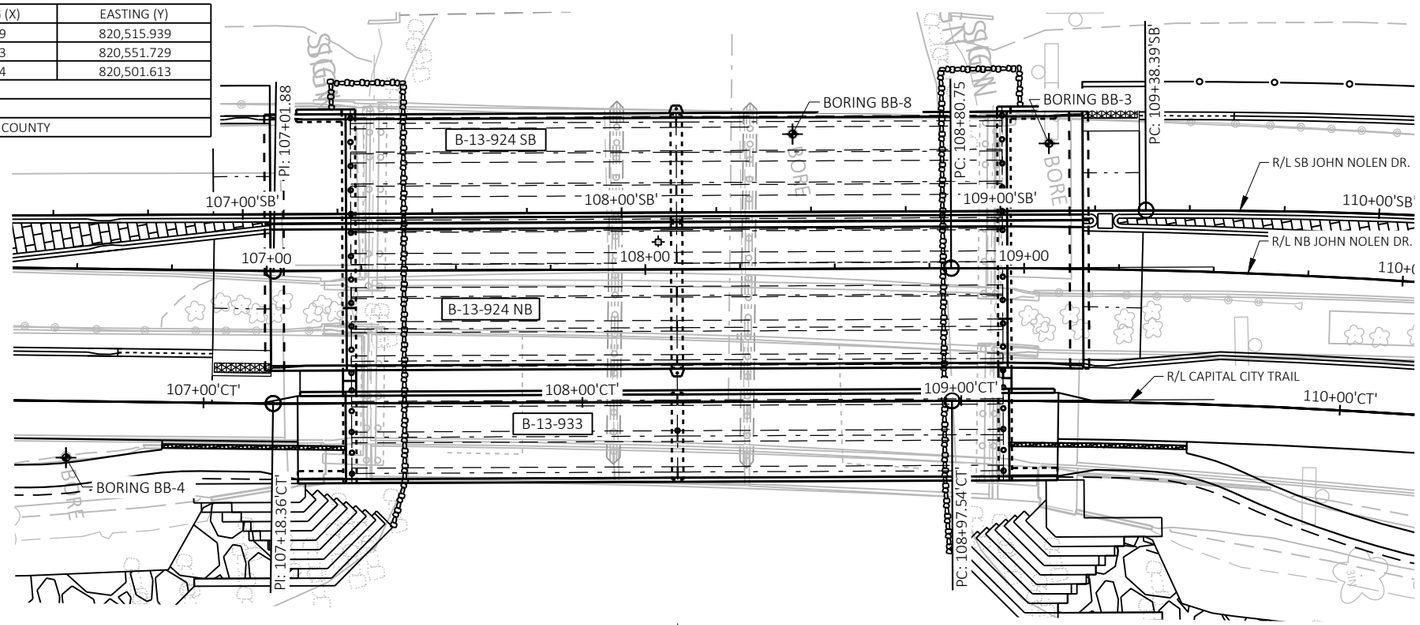
SHEET 4
1234

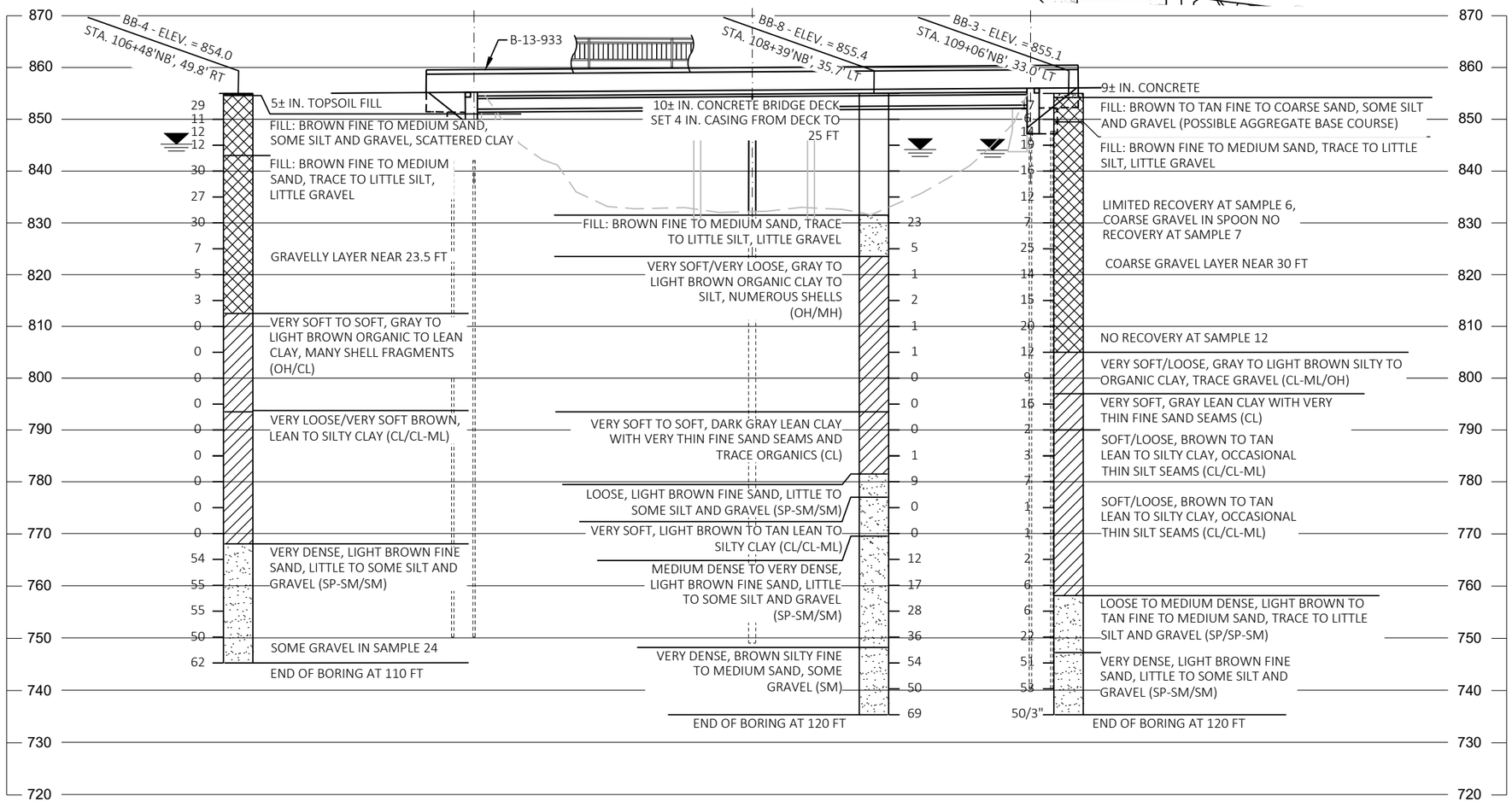
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BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-3	4/23/2023	479,405.809	820,515.939
BORING BB-4	5/15/2023	464,003.963	820,551.729
BORING BB-8	5/10/2023	479,135.654	820,501.613
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





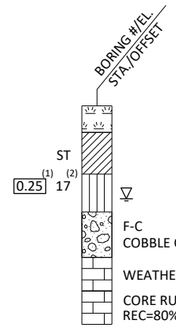
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

SUBSURFACE EXPLORATION

SHEET 5
1235

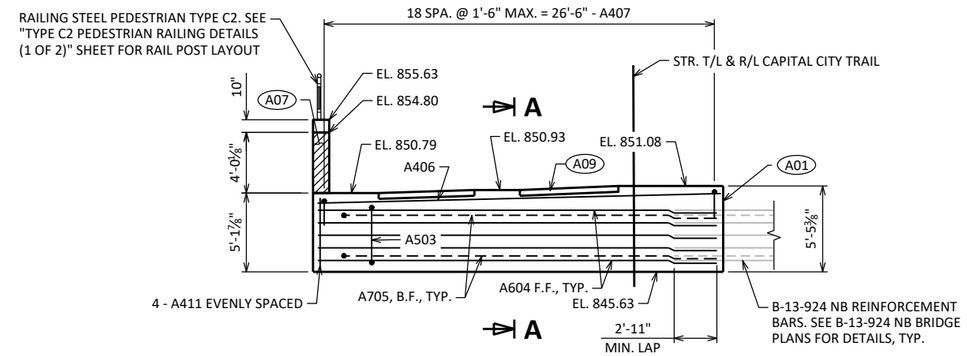
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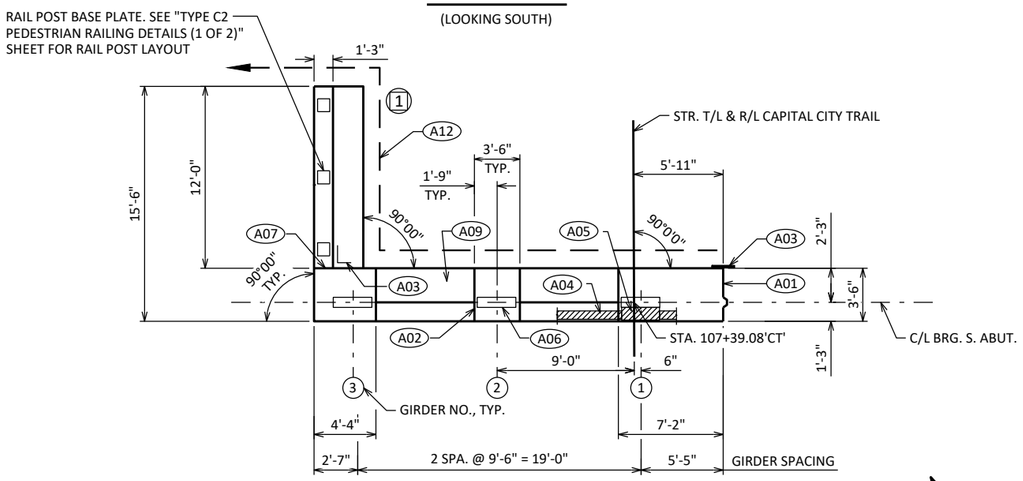
STATE PROJECT NUMBER

5992-11-28

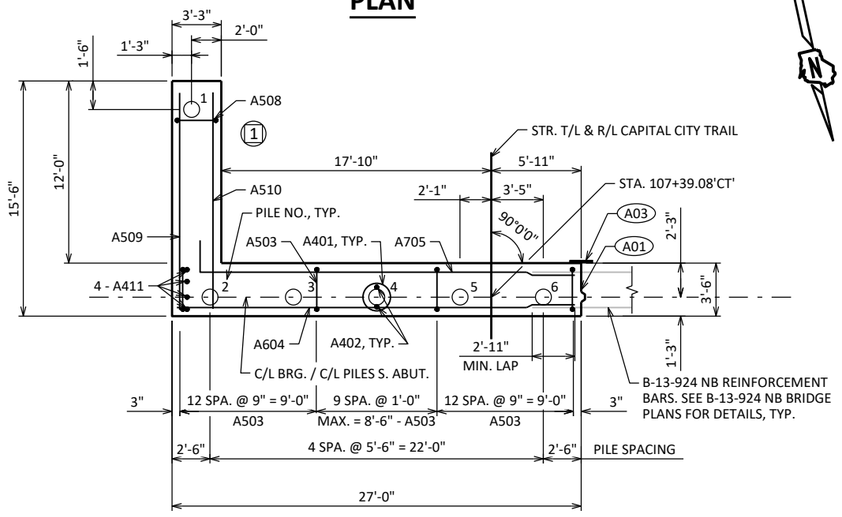


ELEVATION

(LOOKING SOUTH)



PLAN



PILE PLAN

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 160 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.
- (A01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A09) SLOPE BETWEEN BEAM SEATS, TYP.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT

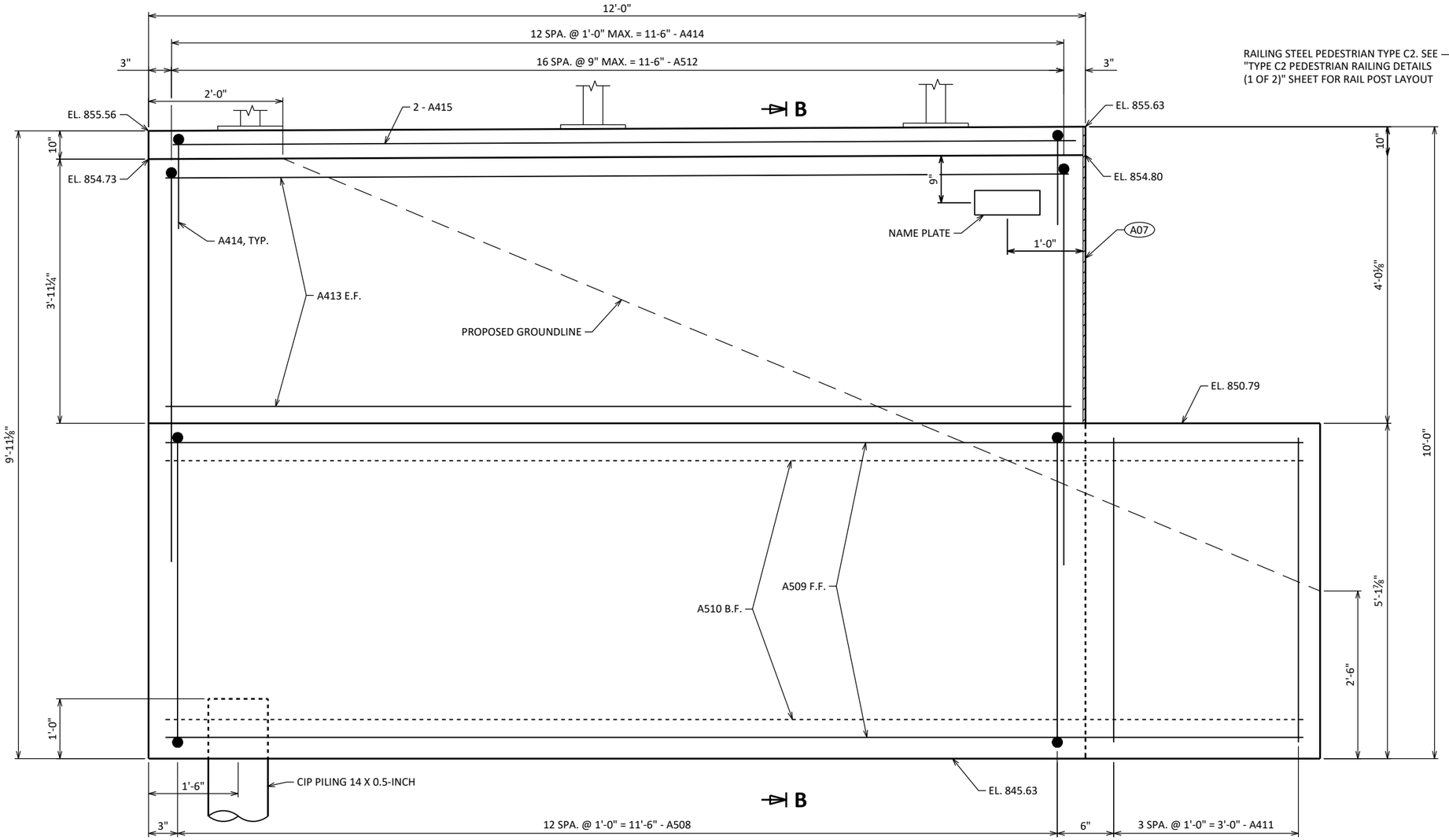
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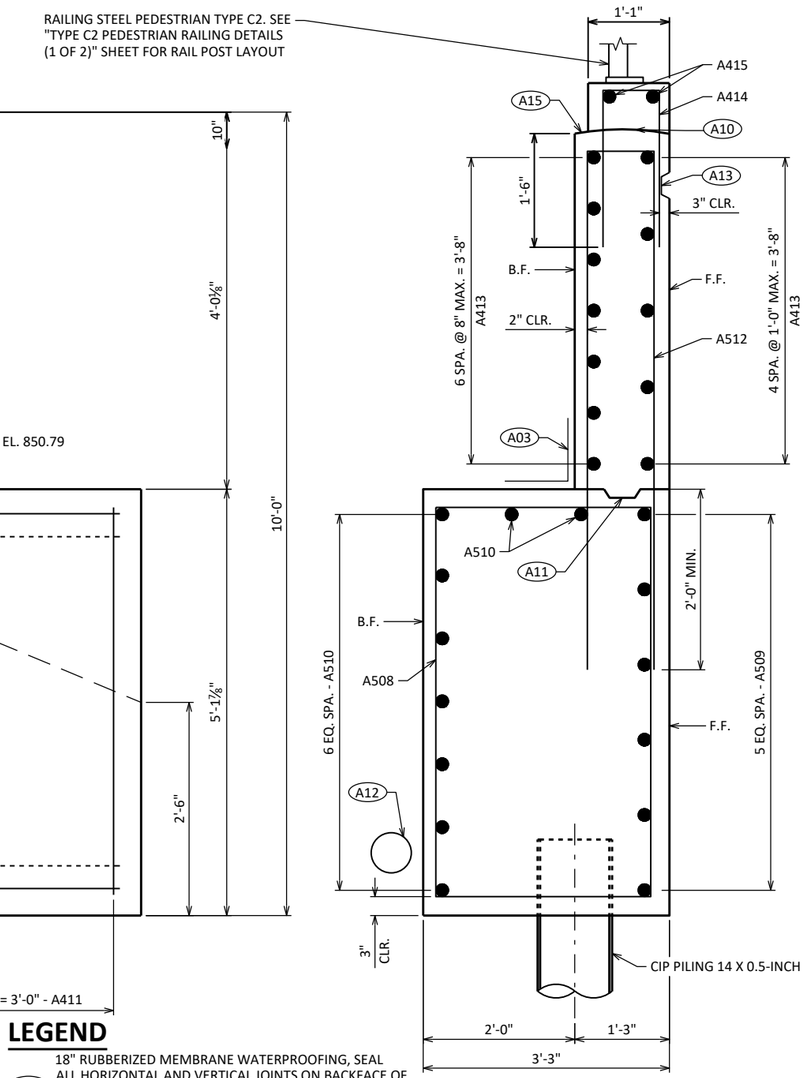
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28



ELEVATION - WING 1



SECTION B-B

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A10) CONSTRUCTION JOINT. STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- (A11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (A13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (A15) 2" SIDEWALK NOTCH
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

SOUTH ABUTMENT WING DETAILS

SHEET 7
1237

SCALE = 2.0

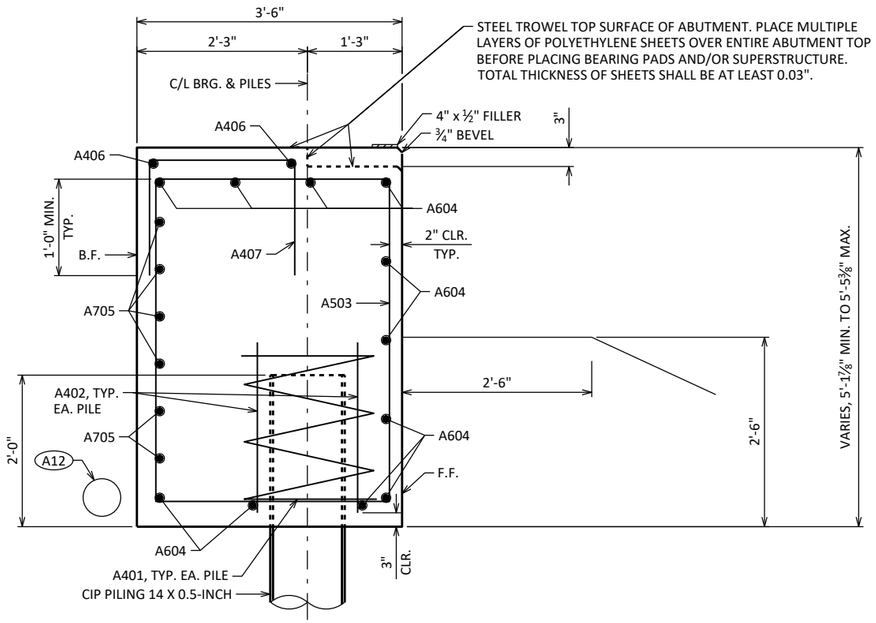
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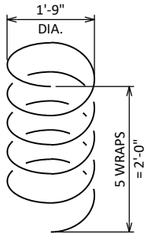
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

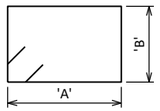
5992-11-28



SECTION A-A

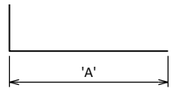


A401



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-5"
A508	2'-11"	4'-9"

A503, A508



BAR MARK	DIMENSION 'A'
A705	24'-10"

A705



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A407	1'-7"	1'-11"
A512	6'-0"	10"
A414	2'-2"	8"

A407, A512, A414

TOTAL COATED = 830 LBS.

TOTAL UNCOATED = 1,540 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
A401	5	28'-0"		X	ABUT. BODY PILES
A402	10	2'-3"			ABUT. BODY PILES
A503	34	15'-10"		X	ABUT. BODY STIRRUP
A604	11	26'-8"			ABUT. BODY LONGIT. F.F.
A705	6	25'-10"			ABUT. BODY LONGIT. B.F.
A406	2	26'-8"			ABUT. BODY LONGIT. TOP
A407	19	4'-11"		X	ABUT. BODY VERT. STIRRUP
A508	13	16'-0"	X	X	WING 1 LOWER STIRRUP
A509	6	15'-1"	X		WING 1 LOWER LONGIT. F.F.
A510	9	15'-1"	X		WING 1 LOWER LONGIT. B.F. & TOP
A411	4	4'-9"			ABUT. BODY VERT. E. END
A512	17	12'-7"	X	X	WING 1 UPPER VERT.
A413	12	11'-7"	X		WING 1 UPPER LONGIT. E.F.
A414	13	4'-10"	X	X	CURB STIRRUP
A415	2	11'-7"	X		CURB LONGIT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OR A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT DETAILS

SHEET 8
1238

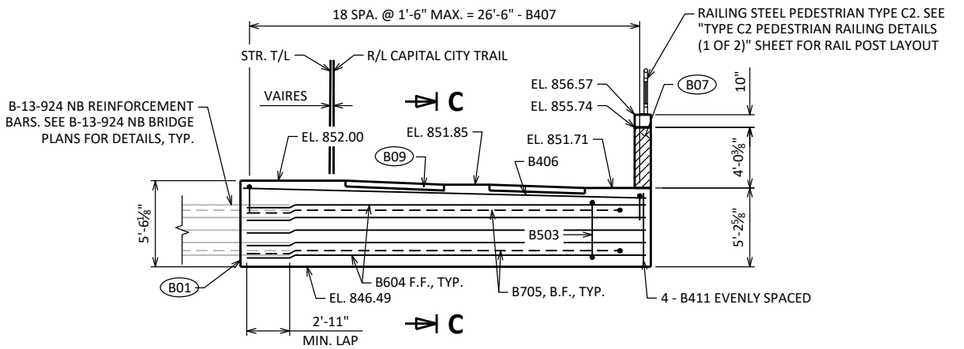
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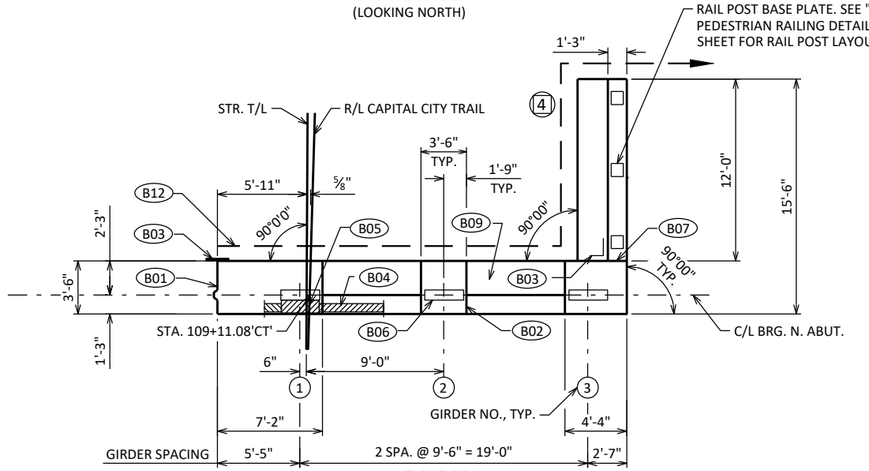
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
5992-11-28

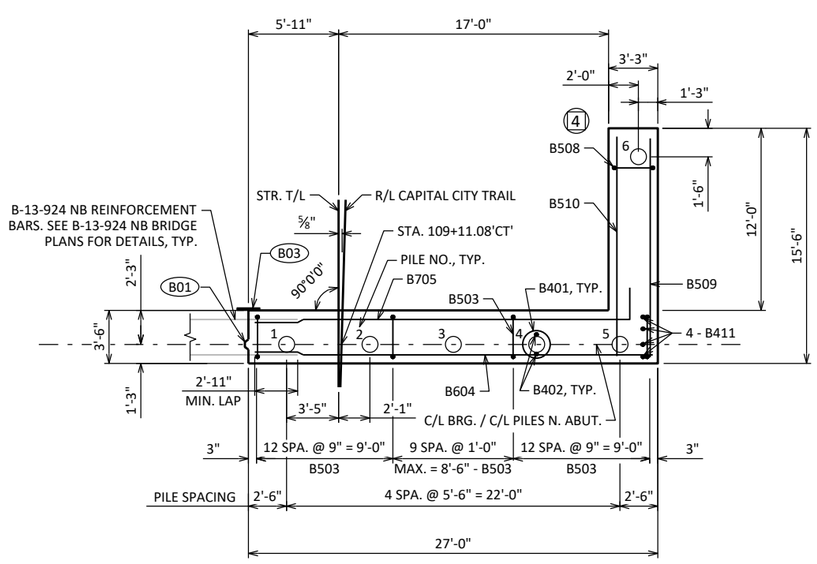


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

NOTES

FOR SECTION C-C SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 160 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 110 FT.
- (B01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B09) SLOPE BETWEEN BEAM SEATS, TYP.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT

SHEET 9
1239

SCALE = 10.0

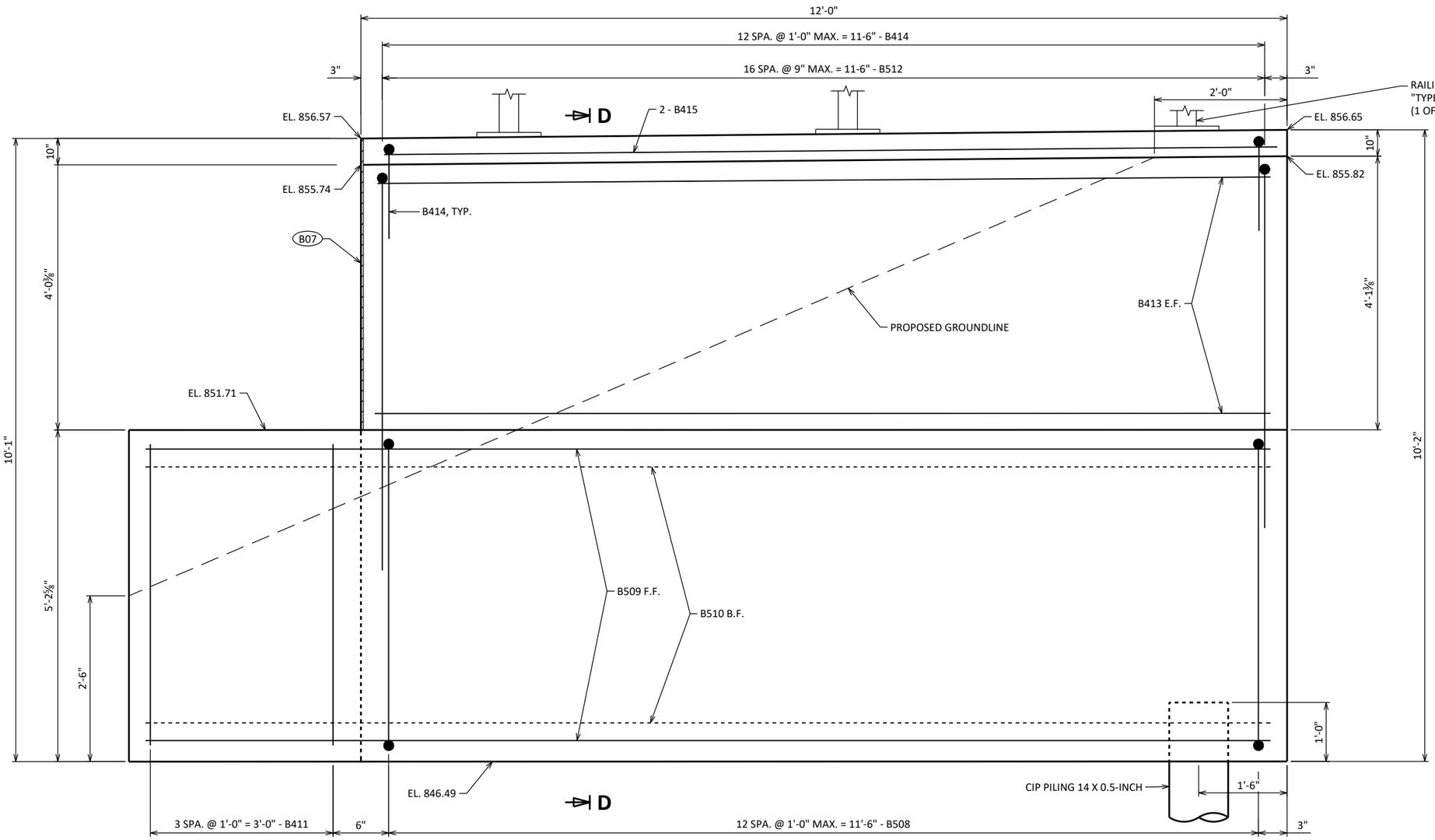
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LAYOUT NAME - SHT2C

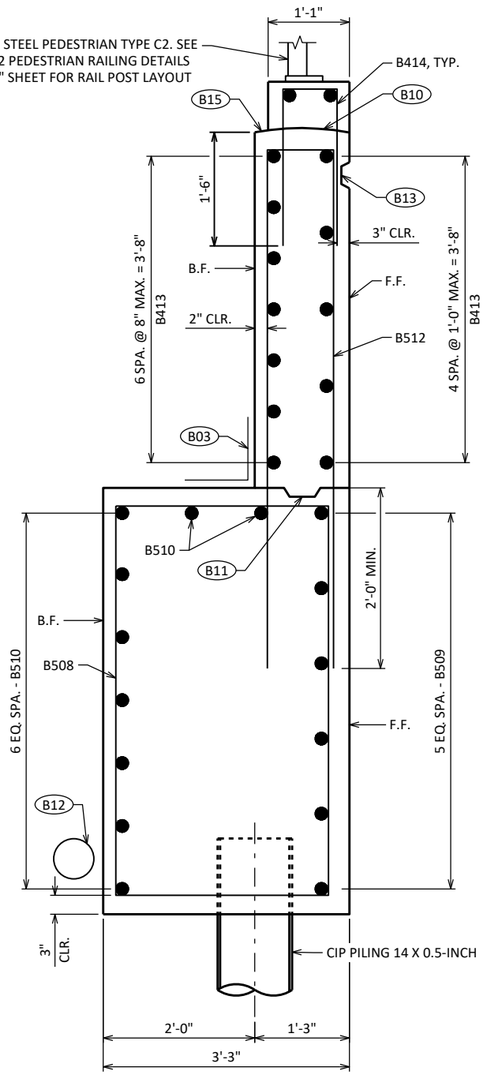
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8

STATE PROJECT NUMBER

5992-11-28





SECTION D-D

ELEVATION - WING 4

LEGEND

- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B10) CONSTRUCTION JOINT. STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- (B11) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (B13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (B15) 2" SIDEWALK NOTCH
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

NORTH ABUTMENT WING DETAILS

SHEET 10
1240

SCALE = 2.0

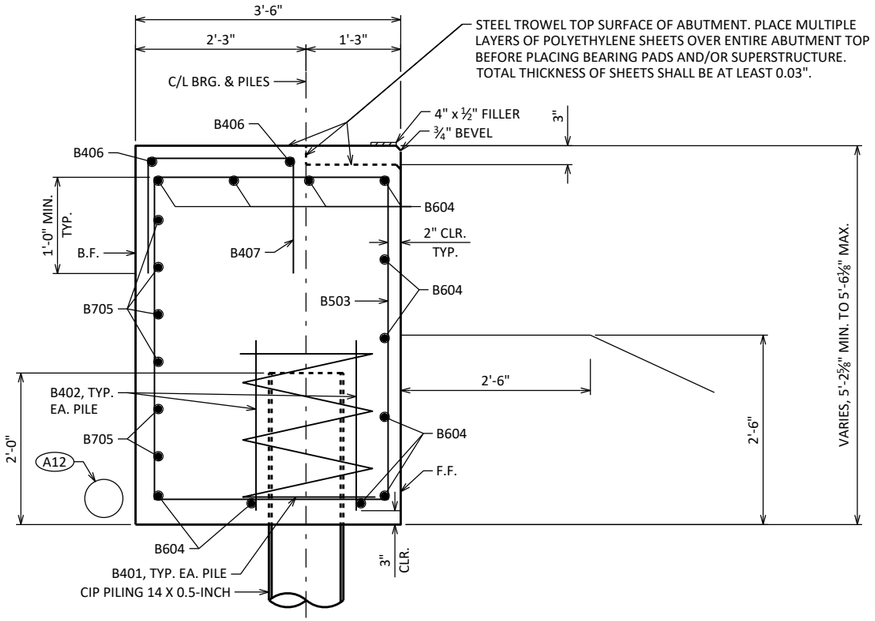
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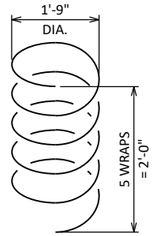
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

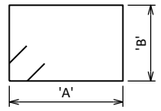
5992-11-28



SECTION C-C

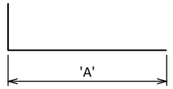


B401



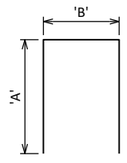
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-6"
B508	2'-11"	4'-9"

B503, B508



BAR MARK	DIMENSION 'A'
B705	24'-10"

B705



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B407	1'-7"	1'-11"
B512	6'-1"	10"
B414	2'-2"	8"

B407, B512, B414

BILL OF BARS

TOTAL COATED = 830 LBS.

TOTAL UNCOATED = 1,550 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
B401	5	28'-0"		X	ABUT. BODY PILES
B402	10	2'-3"			ABUT. BODY PILES
B503	34	16'-0"		X	ABUT. BODY STIRRUP
B604	11	26'-8"			ABUT. BODY LONGIT. F.F.
B705	6	25'-10"			ABUT. BODY LONGIT. B.F.
B406	2	26'-8"			ABUT. BODY LONGIT. TOP
B407	19	4'-11"		X	ABUT. BODY VERT. STIRRUP
B508	13	16'-0"	X	X	WING 4 LOWER STIRRUP
B509	6	15'-1"	X		WING 4 LOWER LONGIT. F.F.
B510	9	15'-1"	X		WING 4 LOWER LONGIT. B.F. & TOP
B411	4	4'-9"			ABUT. BODY VERT. E. END
B512	17	12'-9"	X	X	WING 4 UPPER VERT.
B413	12	11'-7"	X		WING 4 UPPER LONGIT. E.F.
B414	13	4'-10"	X	X	CURB STIRRUP
B415	2	11'-7"	X		CURB LONGIT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET, PILE SPLICE DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT DETAILS

SHEET 11
1241

SCALE = 2.0

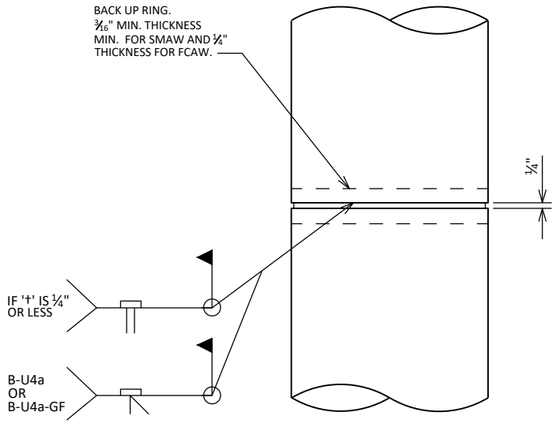
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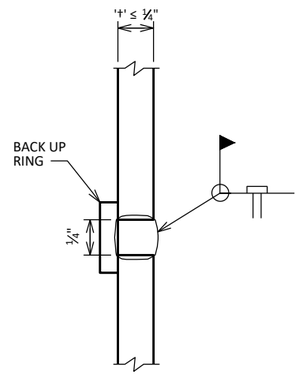
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LAYOUT NAME - SHT2C

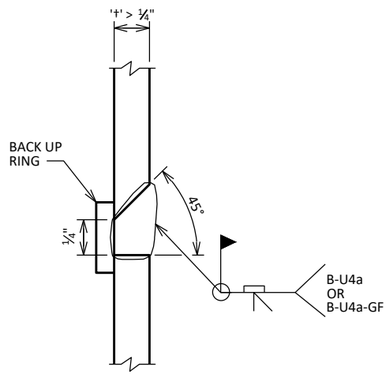
STATE PROJECT NUMBER

5992-11-28

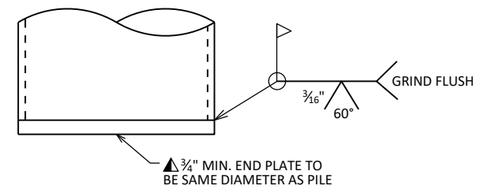


CAST-IN-PLACE 'PILE PIPE'





CIP PILE WELD DETAIL



END PLATE DETAIL

LEGEND

⚠ THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILITY ANALYSIS PERFORMED BY THE CONTRACTOR. 3/4" MINIMUM REQUIRED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SUBSTRUCTURE DETAILS

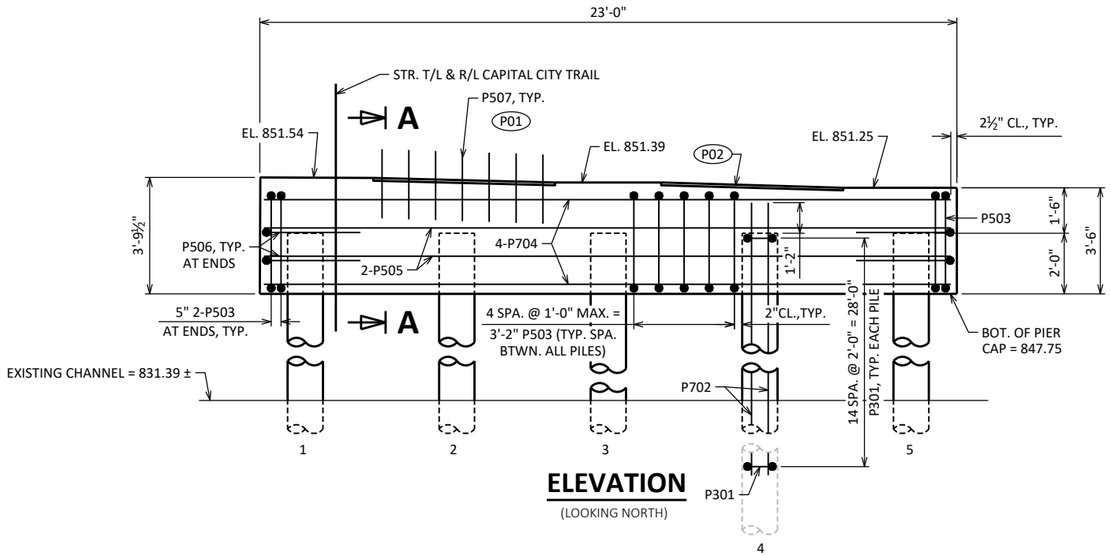
SHEET 12
1242

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LAYOUT NAME - ABUTMENT DETAILS

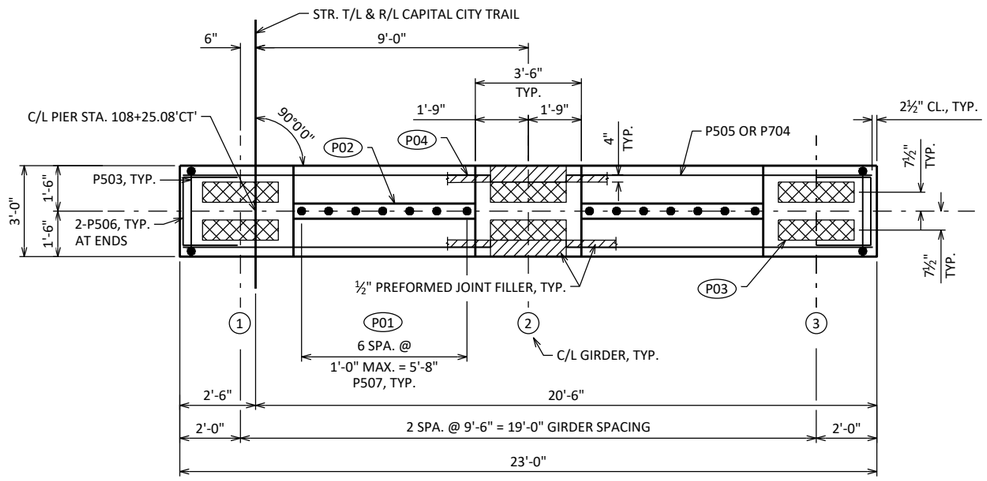
STATE PROJECT NUMBER

5992-11-28

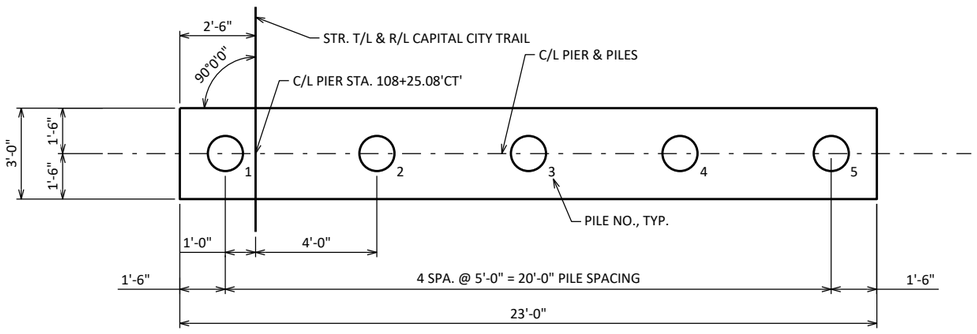


ELEVATION

(LOOKING NORTH)



PLAN



PILE PLAN

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.
- ◯ 18 X 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 320 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.
- (#) INDICATES GIRDER NUMBER

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

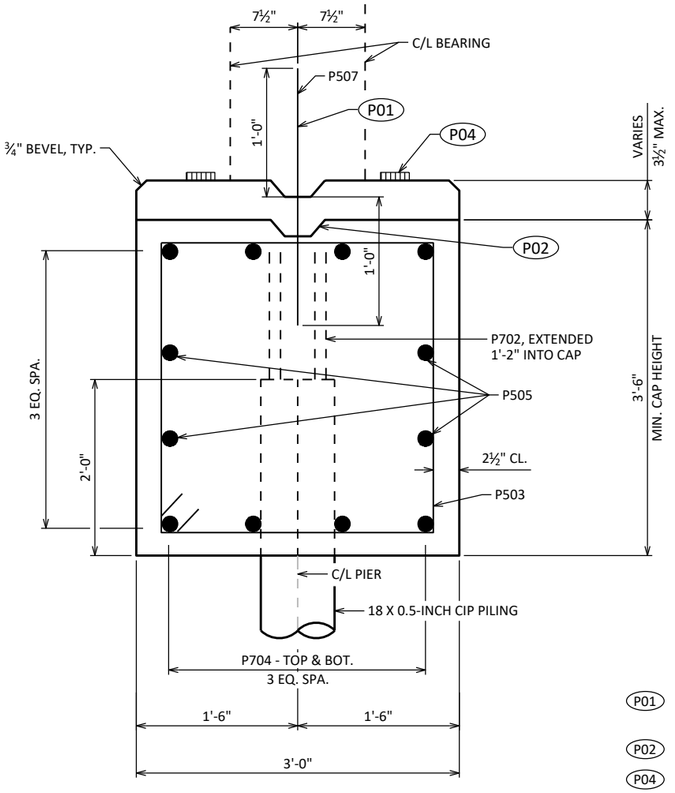
PIER

SHEET 13
1243

SCALE =

STATE PROJECT NUMBER

5992-11-28



SECTION A-A

BILL OF BARS

TOTAL UNCOATED = 4,590 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
P301	75	5'-0"		X	PILES TIES
P702	60	29'-7"			PILES LONGIT.
P503	24	12'-2"		X	CAP STIRRUPS
P704	8	22'-7"			CAP HORIZ. TOP & BOT.
P505	4	22'-7"			CAP HORIZ. SIDES
P506	4	5'-1"		X	CAP STIRRUPS ENDS
P507	14	2'-0"			CAP VERT. TIES TO DIAPHRAGM

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

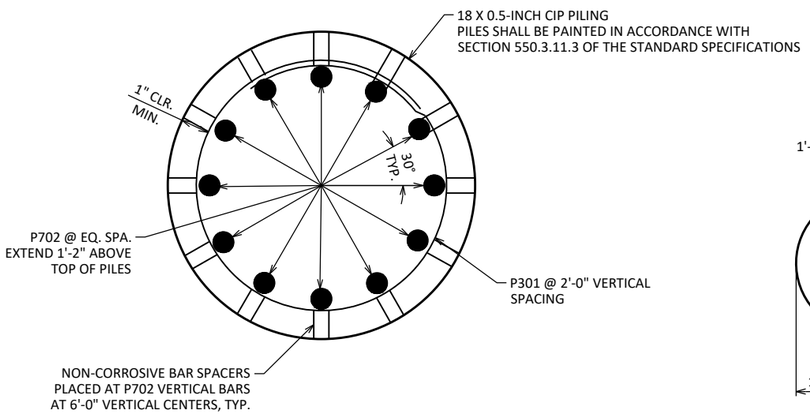
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

LEGEND

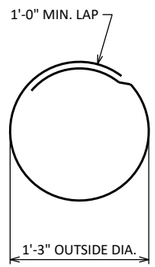
(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X6" BETWEEN SEATS.

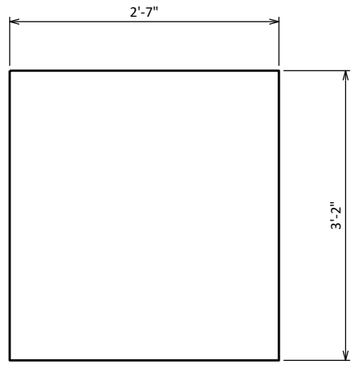
(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.



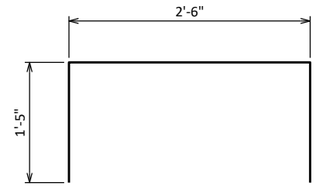
SECTION THRU CONCRETE CAST-IN-PLACE PILING



P301



P503



P506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

PIER DETAILS

SHEET 14
1244

SCALE = 4.0

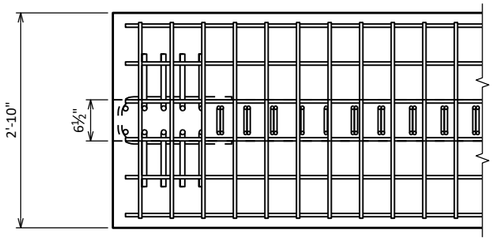
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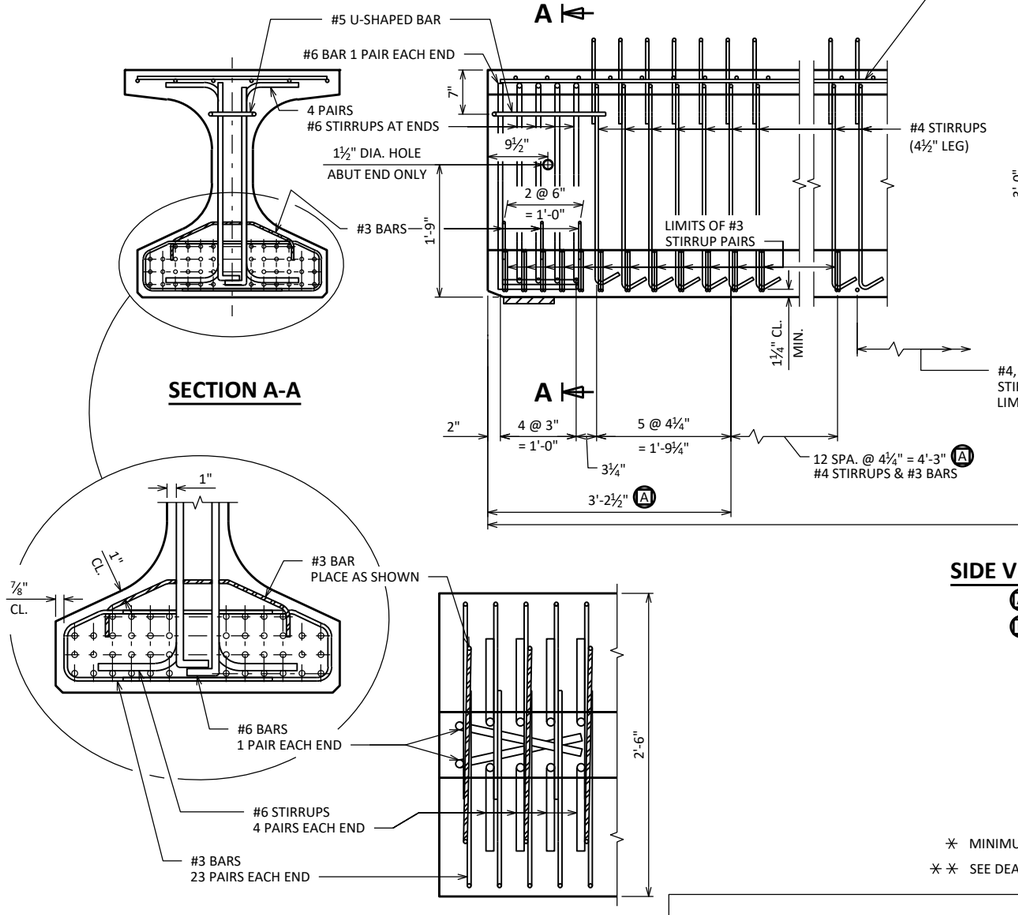
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28



TOP FLANGE



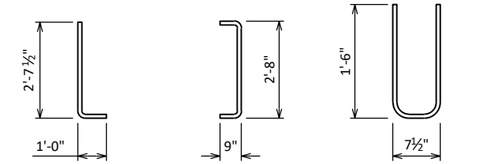
SECTION A-A

BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

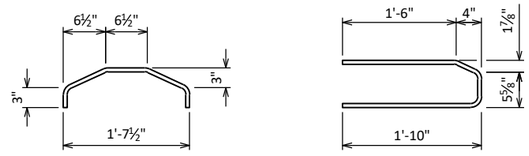
(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2



#6 BAR
2 @ EACH END

#6 BAR
8 @ EACH END

#5 BAR
1 @ EACH END



#3 BAR
3 @ EACH END
(EPOXY COATED)

#3 BAR
23 PAIRS EACH END
(EPOXY COATED)

⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

⚹⚹ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ⚹⚹ 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST 1/3 OF GIRDER	MID 1/3 OF GIRDER	END 1/3 OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1 & 2	2	86'-4½"	¾"	1⅜"	1⅞"	2¼"	2¼"	2¼"	1⅞"	1⅜"	¾"	8,000	7"	7"	7"	0.6	26	6,800	32	11	14	4	---	---
1 & 2	1,3	86'-4½"	⅝"	1⅛"	1½"	1¾"	1⅛"	1¾"	1½"	1⅛"	⅝"	8,000	7"	7"	7"	0.6	26	6,800	32	11	14	4	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER

SHEET 15
1245

SCALE = 2.0

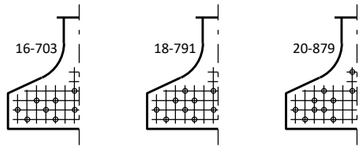
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080317_GR.DWG
LAYOUT NAME - 36W PS GIRDER

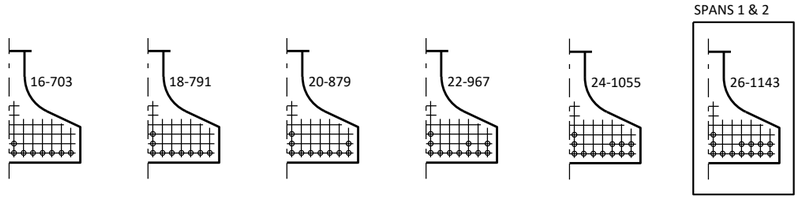
STATE PROJECT NUMBER

5992-11-28



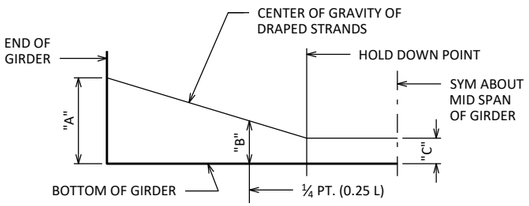
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS



ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



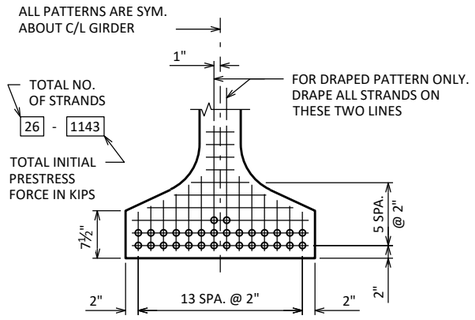
DRAPED STRAND PROFILE

⁎ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

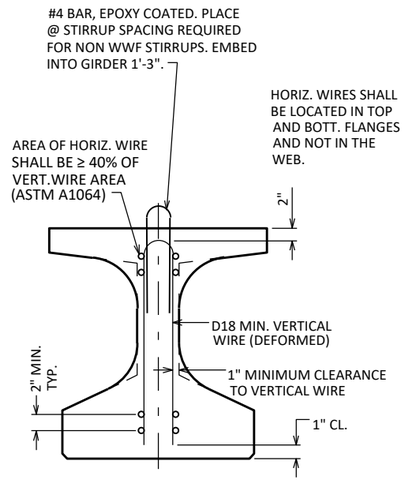
SPAN	DRAPED PATTERN CAMBER (IN.) ⁎
1 & 2	2.81

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

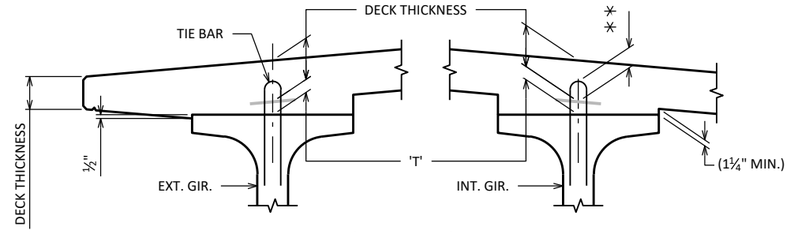


TYP. STRAND PATTERN



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS ASTM A1064 (FY = 70 KSI)



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE

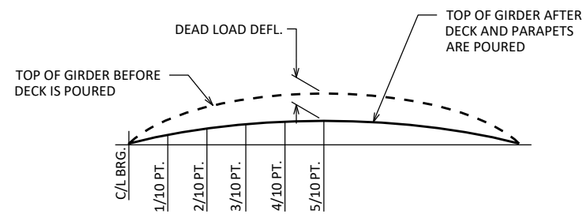
⁎ GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁎⁎ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

	TOP OF DECK ELEV. AT FINAL GRADE
-	TOP OF GIRDER ELEVATION
+	DEAD LOAD DEFLECTION
-	DECK THICKNESS
=	HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2¾" WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".



CAMBER AND DEAD LOAD DEFLECTION DIAGRAM

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

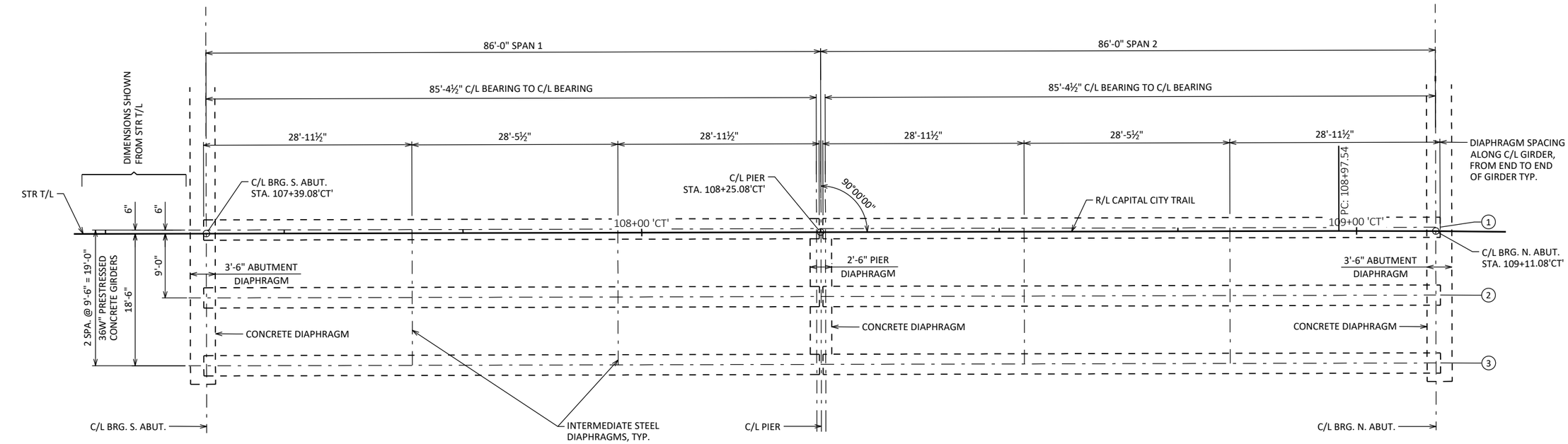
36W" PRESTRESSED GIRDER DETAILS

SHEET 16
1246

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080318_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER
5992-11-28



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
STATION	107+39.08	107+47.68	107+56.28	107+64.88	107+73.48	107+82.08	107+90.68	107+99.28	108+07.88	108+16.48	108+25.08
WEST EDGE OF DECK	855.14	855.18	855.23	855.28	855.32	855.37	855.41	855.46	855.51	855.55	855.60
GIRDER 1	855.12	855.16	855.21	855.26	855.30	855.35	855.39	855.44	855.49	855.53	855.58
R/L	855.11	855.15	855.20	855.25	855.29	855.34	855.38	855.43	855.48	855.52	855.57
GIRDER 2	854.98	855.02	855.07	855.12	855.16	855.21	855.25	855.30	855.35	855.39	855.44
GIRDER 3	854.83	854.87	854.92	854.97	855.01	855.06	855.10	855.15	855.20	855.24	855.29
EAST EDGE OF DECK	854.81	854.85	854.90	854.95	854.99	855.04	855.08	855.13	855.18	855.22	855.27

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
STATION	108+25.08	108+33.68	108+42.28	108+50.88	108+59.48	108+68.08	108+76.68	108+85.28	108+93.88	109+02.48	109+11.08
WEST EDGE OF DECK	855.60	855.65	855.69	855.74	855.79	855.83	855.88	855.92	855.97	856.02	856.06
GIRDER 1	855.58	855.63	855.67	855.72	855.77	855.81	855.86	855.90	855.95	856.00	856.04
R/L	855.57	855.62	855.66	855.71	855.76	855.80	855.85	855.89	855.94	855.99	856.03
GIRDER 2	855.44	855.49	855.53	855.58	855.63	855.67	855.72	855.76	855.81	855.86	855.90
GIRDER 3	855.29	855.34	855.38	855.43	855.48	855.52	855.57	855.61	855.66	855.71	855.75
EAST EDGE OF DECK	855.27	855.32	855.36	855.41	855.46	855.50	855.55	855.59	855.64	855.69	855.73

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

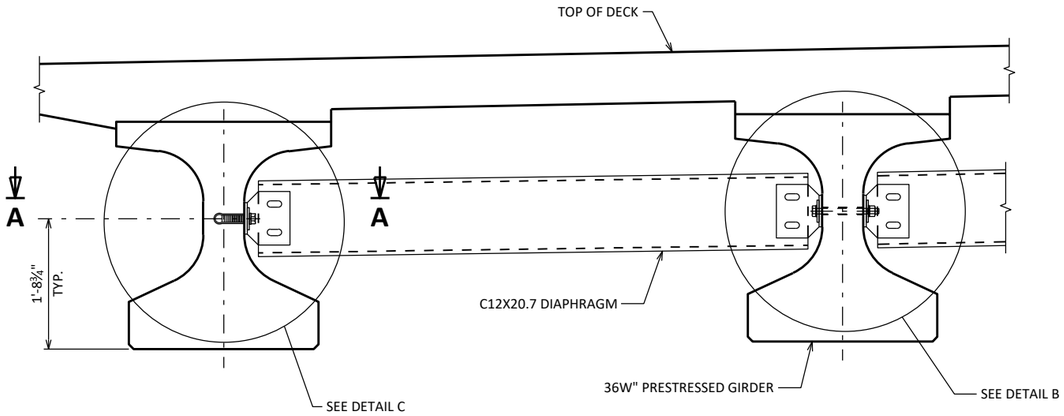
DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE FRAMING PLAN

SHEET 17
1247

STATE PROJECT NUMBER

5992-11-28



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

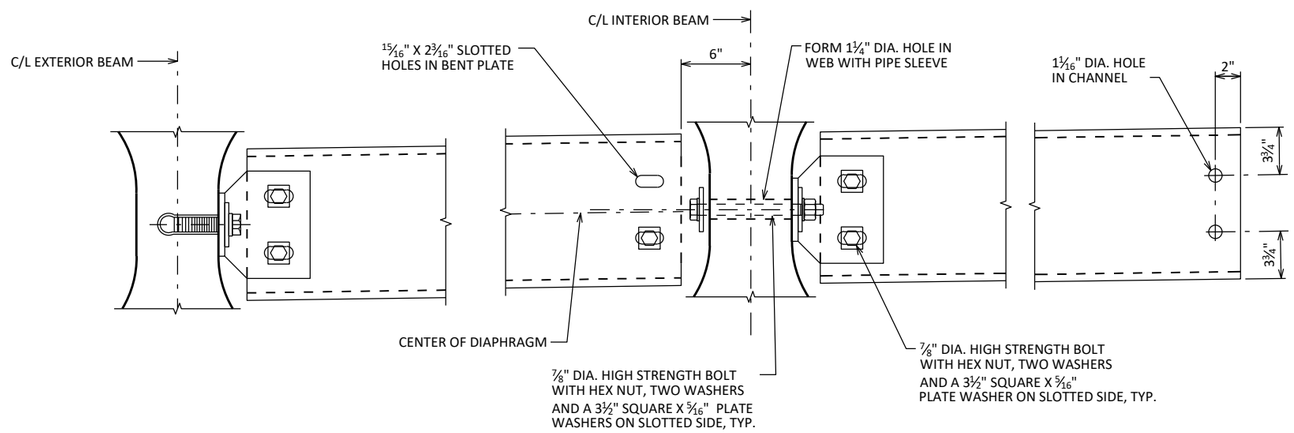
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-933", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

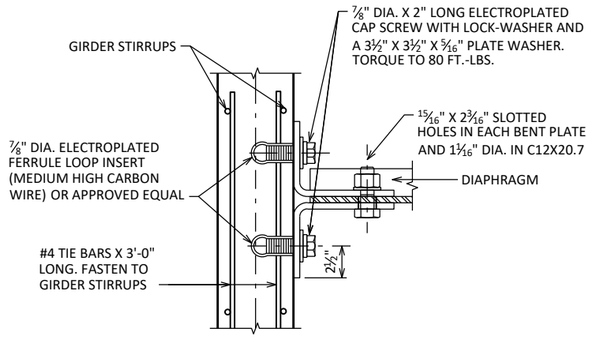
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

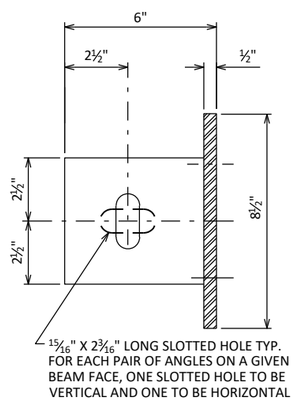
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



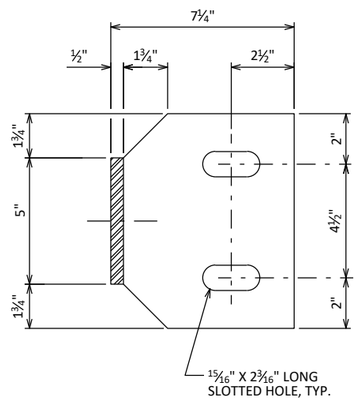
DETAIL C **DETAIL B**



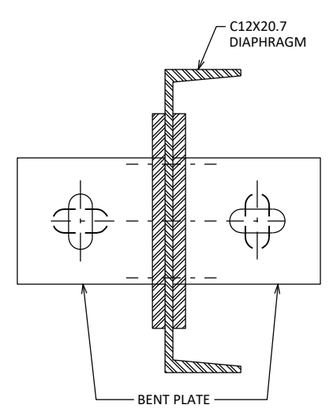
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

STEEL DIAPHRAGM

SHEET 18
1248

SCALE = 2.0

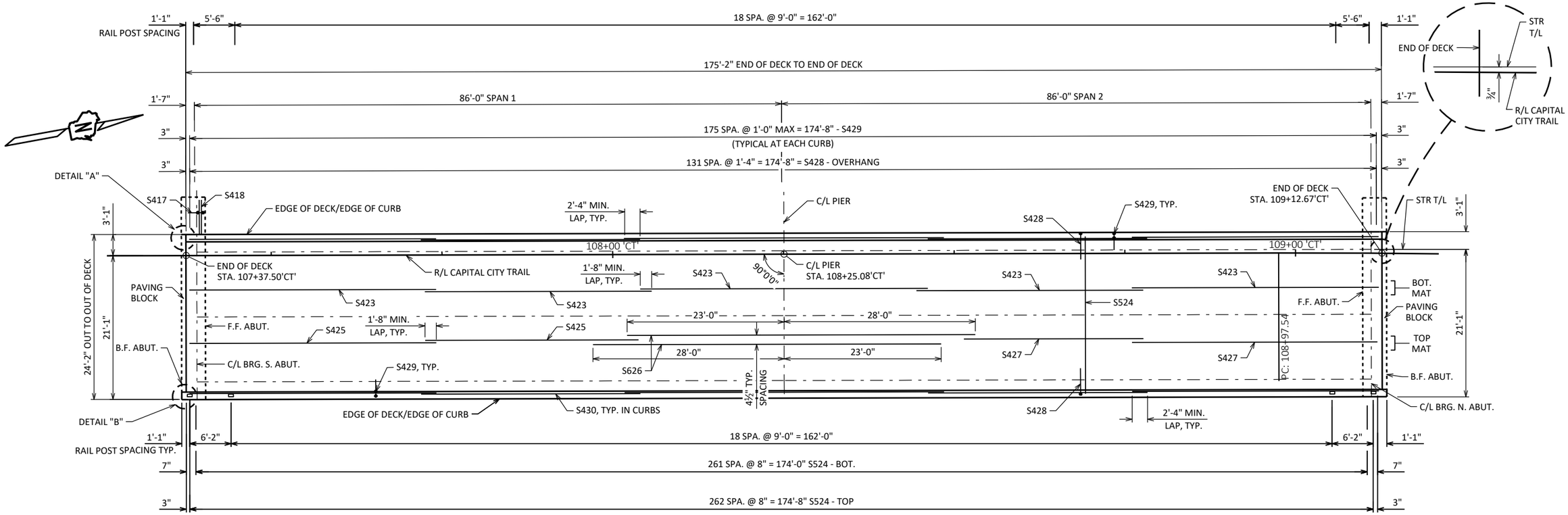
8

8

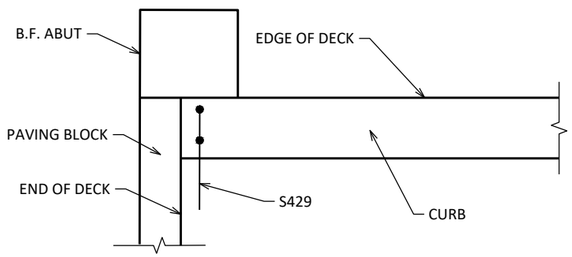
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080320_SD.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

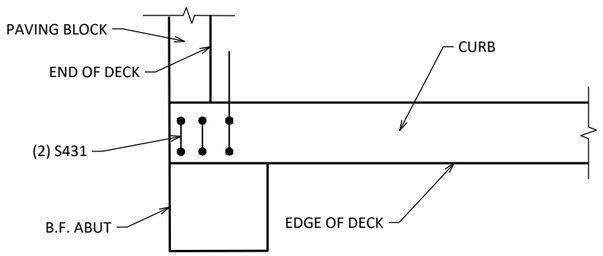
5992-11-28



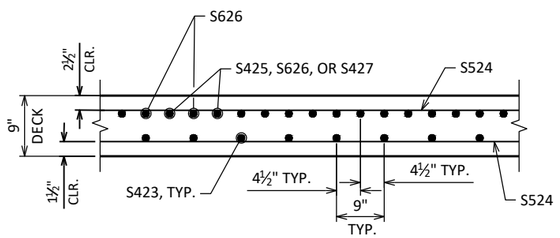
PLAN



DETAIL "A"



DETAIL "B"



CROSS SECTION THRU DECK AT PIER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE PLAN

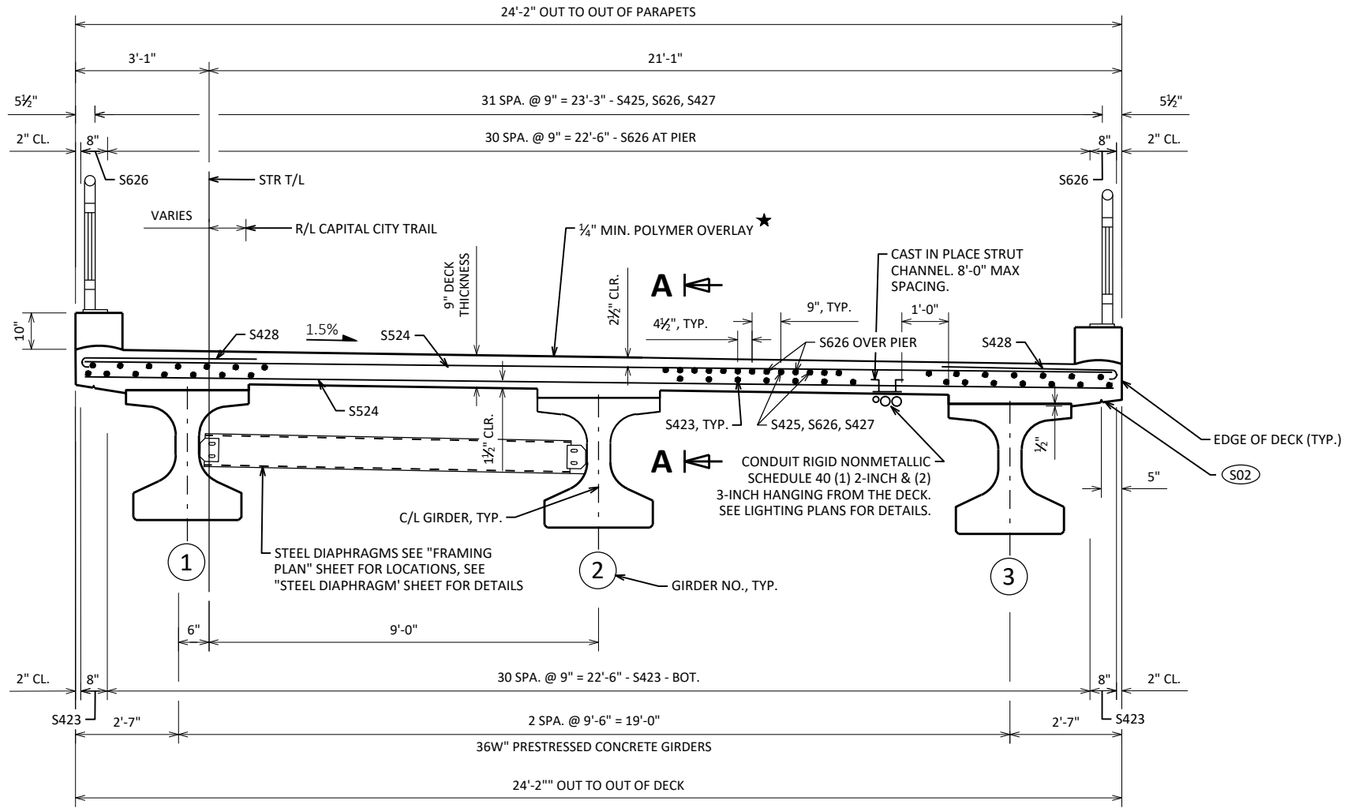
SHEET 19
1249

8

8

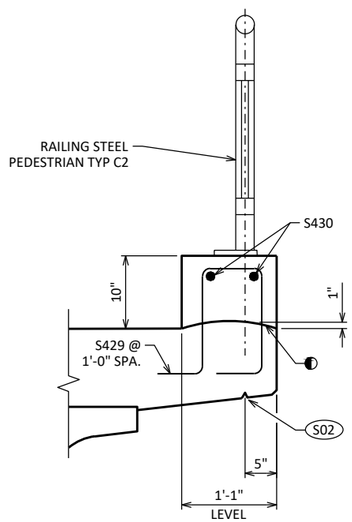
STATE PROJECT NUMBER

5992-11-28

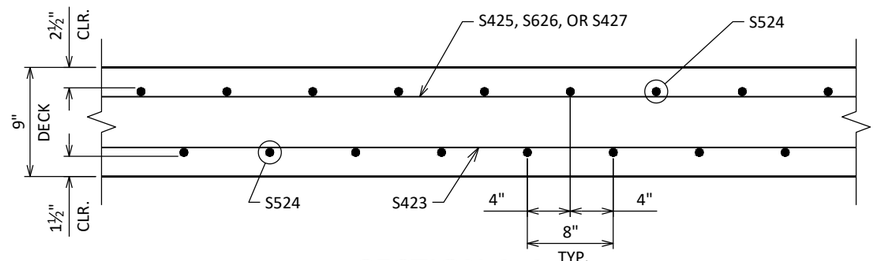


CROSS SECTION THRU SUPERSTRUCTURE

LOOKING NORTH



SECTION THRU 10-INCH CURB ON BRIDGE



SECTION A-A

(TRANSVERSE BAR STAGGER DETAIL)

NOTES

TIE S429 BARS IN PLACE PRIOR TO POURING DECK.

LAP LONGITUDINAL NO. 4 BARS IN CURB AT 2'-4" MIN.

LEGEND

(S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).

◐ CONST. JT. - STRIKE OFF AS SHOWN

★ SEE "GENERAL NOTES, PROFILES & DETAILS" SHEET FOR REQUIRED TRANSITION AT DECK ENDS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE CROSS SECTION

SHEET 20

1250

SCALE = 6.0

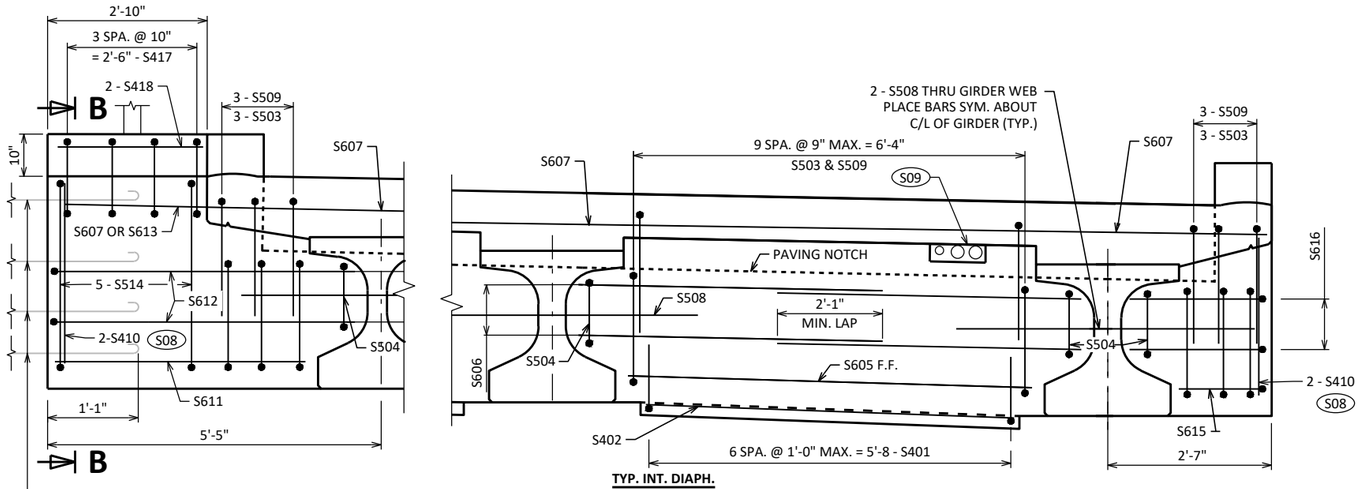
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080322_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28



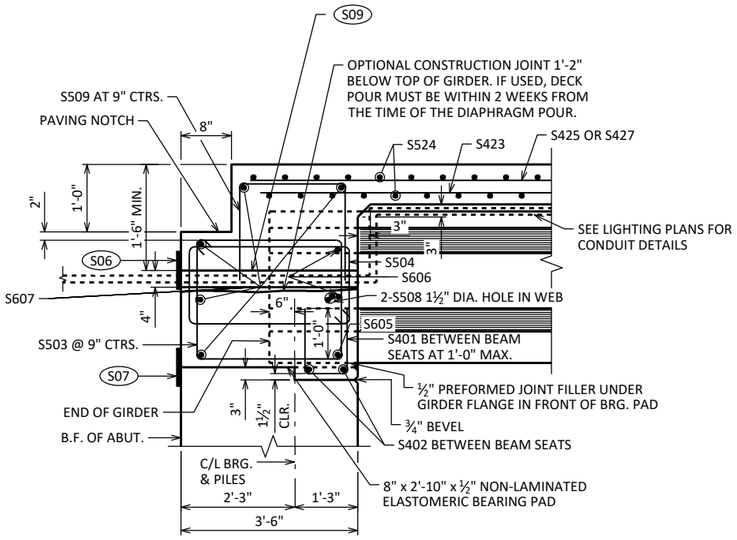
EXTERIOR GIRDER DIAPHRAGM
N. ABUT. AT WEST EDGE OF DECK)
(S. ABUT. AT WEST EDGE OF DECK SIMILAR)

TYP. INT. DIAPH.

EXTERIOR GIRDER DIAPHRAGM
N. ABUT. AT WINGWALL 4
(S. ABUT. AT WINGWALL 1 SIMILAR)

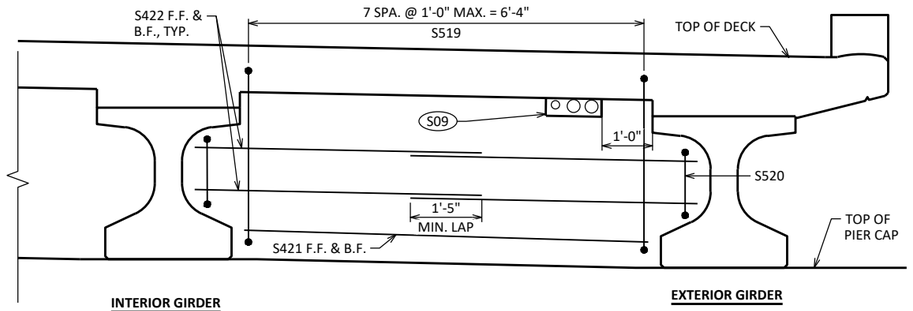
END DIAPHRAGMS

LOOKING NORTH AT NORTH ABUTMENT
(SOUTH ABUTMENT SIMILAR)



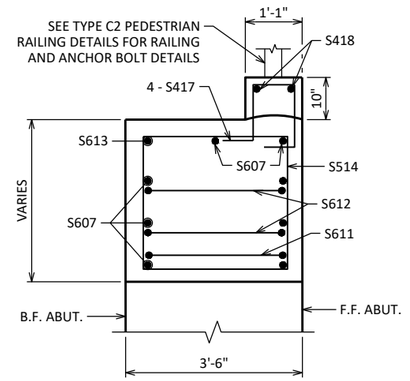
PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

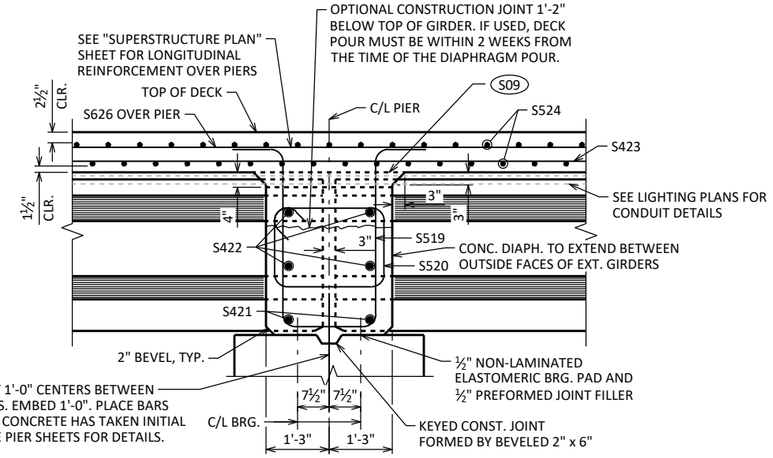


INTERIOR GIRDER **EXTERIOR GIRDER**

PART. TRANS. SECTION AT DIAPHRAGM PIER

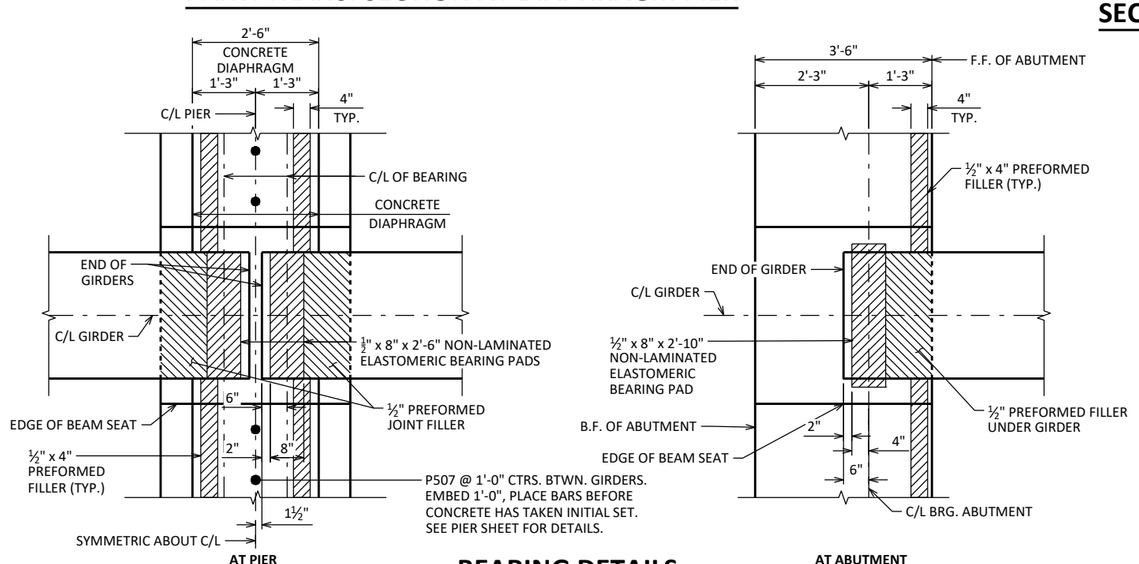


SECTION B-B



PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)



AT PIER **AT ABUTMENT**

BEARING DETAILS

LEGEND

- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES")
- (S07) RUBBERIZED MEMBRANE WATERPROOFING
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END
- (S09) PROVIDE 1'-1 ½" X 4" BOX OUT FOR CONDUIT. CAULK AROUND CONDUIT AFTER IT IS PLACE. SEE LIGHTING PLANS FOR DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE DETAILS

SHEET 21
1251

SCALE = 3.0

8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080323_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28

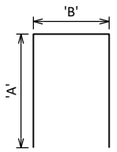
BILL OF BARS

TOTAL COATED = 29,480 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
S 401	28	3'-5"	X	X	ABUT. DIAPH. BOT. BTWN. GIRDERS
S 402	8	5'-8"	X		ABUT. DIAPH. BOT. BTWN. GIRDERS
S 503	52	12'-6"	X	X	ABUT. BODY STIRRUP
S 504	12	9'-10"	X	X	ABUT. BODY STIRRUP
S 605	4	6'-8"	X		ABUT. DIAPH. BOT. F.F.
S 606	16	5'-4"	X		ABUT. DIAPH. F.F.
S 607	10	26'-7"	X		ABUT. DIAPH. BACK & TOP
S 508	12	6'-0"	X		ABUT. DIAPH. THRU GIRDER WEB
S 509	52	6'-3"	X	X	ABUT. DIAPH. VERT.
S 410	4	3'-8"	X		ABUT. DIAPH. VERT.
S 611	2	10'-4"	X	X	ABUT. DIAPH. W. END HORIZ.
S 612	4	11'-10"	X	X	ABUT. DIAPH. W. END HORIZ.
S 613	2	2'-6"	X		ABUT. DIAPH. W. END HORIZ.
S 514	10	14'-4"	X	X	ABUT. DIAPH. W. END VERT.
S 615	2	4'-8"	X	X	ABUT. DIAPH. E. END HORIZ.
S 616	4	6'-2"	X	X	ABUT. DIAPH. E. END HORIZ.
S 417	8	4'-9"	X	X	DIAPH. CURB STIRRUP
S 418	4	2'-6"	X		DIAPH. CURB HORIZ.
S 519	16	10'-8"	X	X	PIER DIAPH. STIRRUP
S 520	4	7'-10"	X	X	PIER DIAPH. STIRRUP
S 421	4	6'-8"	X		PIER DIAPH. HORIZ.
S 422	16	5'-0"	X		PIER DIAPH. HORIZ.
S 423	165	36'-4"	X		SLAB BOT. LONGIT.
S 524	525	23'-10"	X		SLAB TOP & BOT. TRANS.
S 425	64	33'-11"	X		SLAB TOP SPAN 1 LONGIT.
S 626	65	51'-0"	X		SLAB TOP OVER PIER LONGIT.
S 427	64	31'-5"	X		SLAB TOP SPAN 2 LONGIT.
S 428	264	4'-0"	X	X	DECK OVERHANG TRANS.
S 429	352	3'-11"	X	X	CURB STIRRUP
S 430	20	37'-2"	X		CURB LONGIT.
S 431	4	4'-9"	X	X	CURB VERT. AT PAVING BLOCK

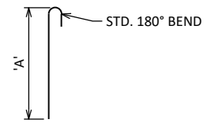
BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



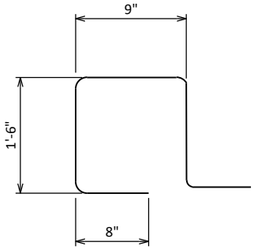
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S509	2'-0"	2'-6"
S611	3'-10"	3'-0"
S612	4'-7"	3'-0"
S615	1'-0"	3'-0"
S616	1'-9"	3'-0"
S431	2'-0"	11"

S401, S509, S611, S612, S615, S616, S431

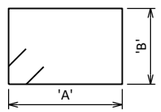


BAR MARK	DIMENSION 'A'
S428	3'-6"

S428

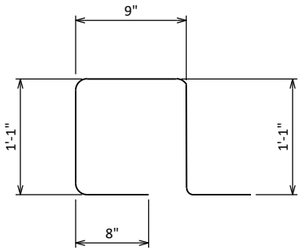


S417

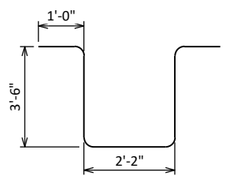


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-9"
S504	3'-2"	1'-5"
S514	3'-2"	3'-8"
S520	2'-2"	1'-5"

S503, S504, S514, S520



S429



S519

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE BILL OF BARS

SHEET 22
1252

SCALE = 3.0

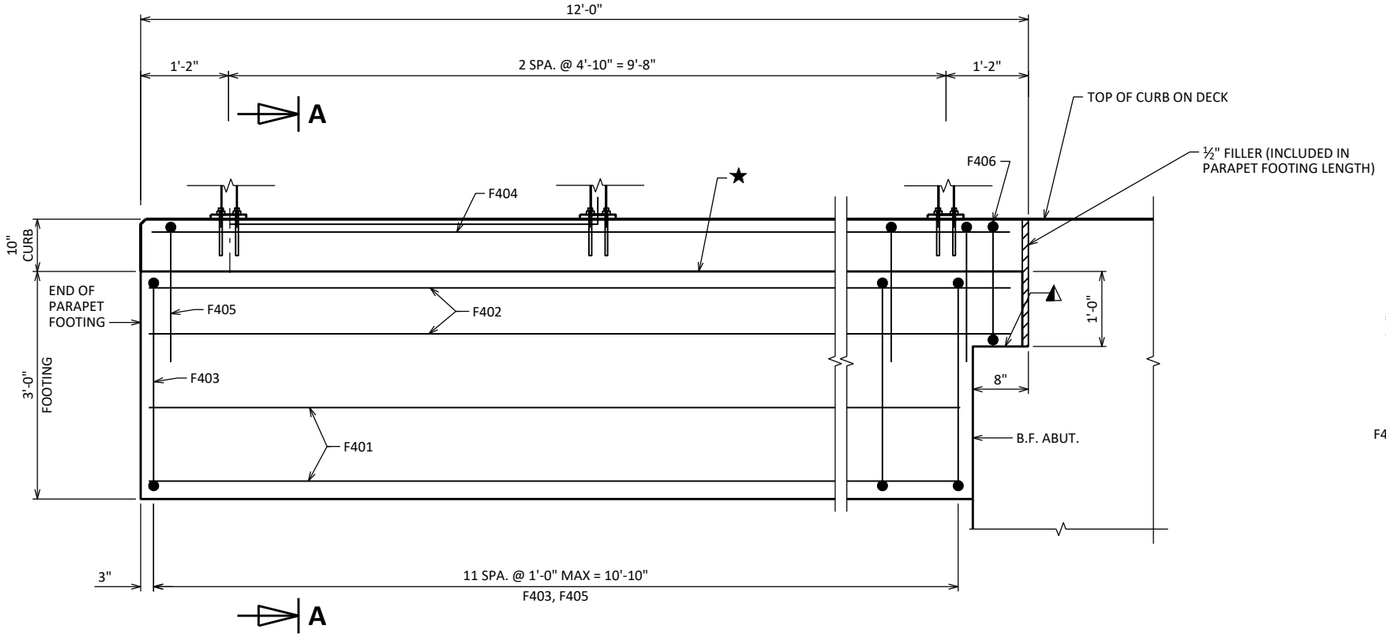
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080324_SS.DWG
LAYOUT NAME - SHT2C

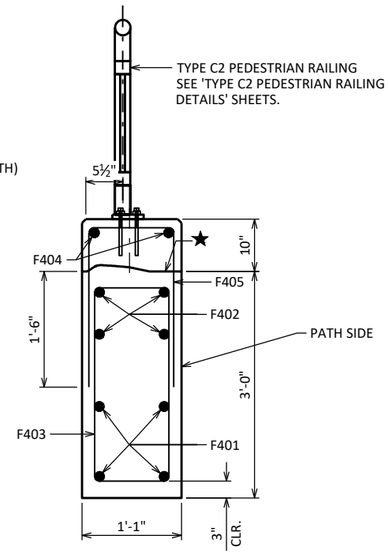
STATE PROJECT NUMBER

5992-11-28



INSIDE ELEVATION

(SOUTH END SHOWN, NORTH SIMILAR)



SECTION A-A

BILL OF BARS

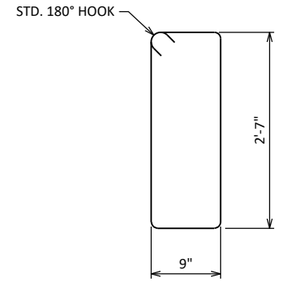
FOR PARAPET FOOTINGS

TOTAL COATED = 360 LBS.

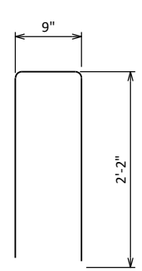
BAR MARK	COAT	SOUTH ABUT.	NORTH ABUT.	LENGTH	BENT	BAR SERIES	LOCATION
F401	X	4	4	11'-0"			PARAPET FOOTING - HORIZ.
F402	X	4	4	11'-7"			PARAPET FOOTING - HORIZ.
F403	X	12	12	7'-2"	X		PARAPET FOOTING - VERT.
F404	X	2	2	11'-7"			CURB HORIZ.
F405	X	12	12	4'-11"	X		CURB VERT.
F406	X	1	1	5'-0"	X		PARAPET FOOTING/CURB - VERT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

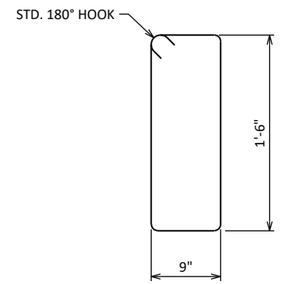
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



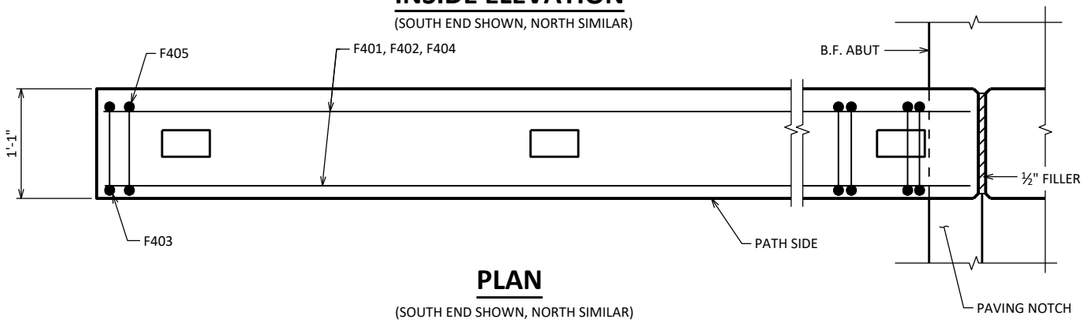
F403



F405



F406



PLAN

(SOUTH END SHOWN, NORTH SIMILAR)

NOTES

⚠ STEEL TROWEL HORIZ. SURFACE OF ABUTMENT PAVING NOTCH. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS BETWEEN PARAPET FOOTING AND HORIZ. SURFACE OF PAVING NOTCH. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

★ CONSTRUCTION JOINT. STRIKE OFF AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

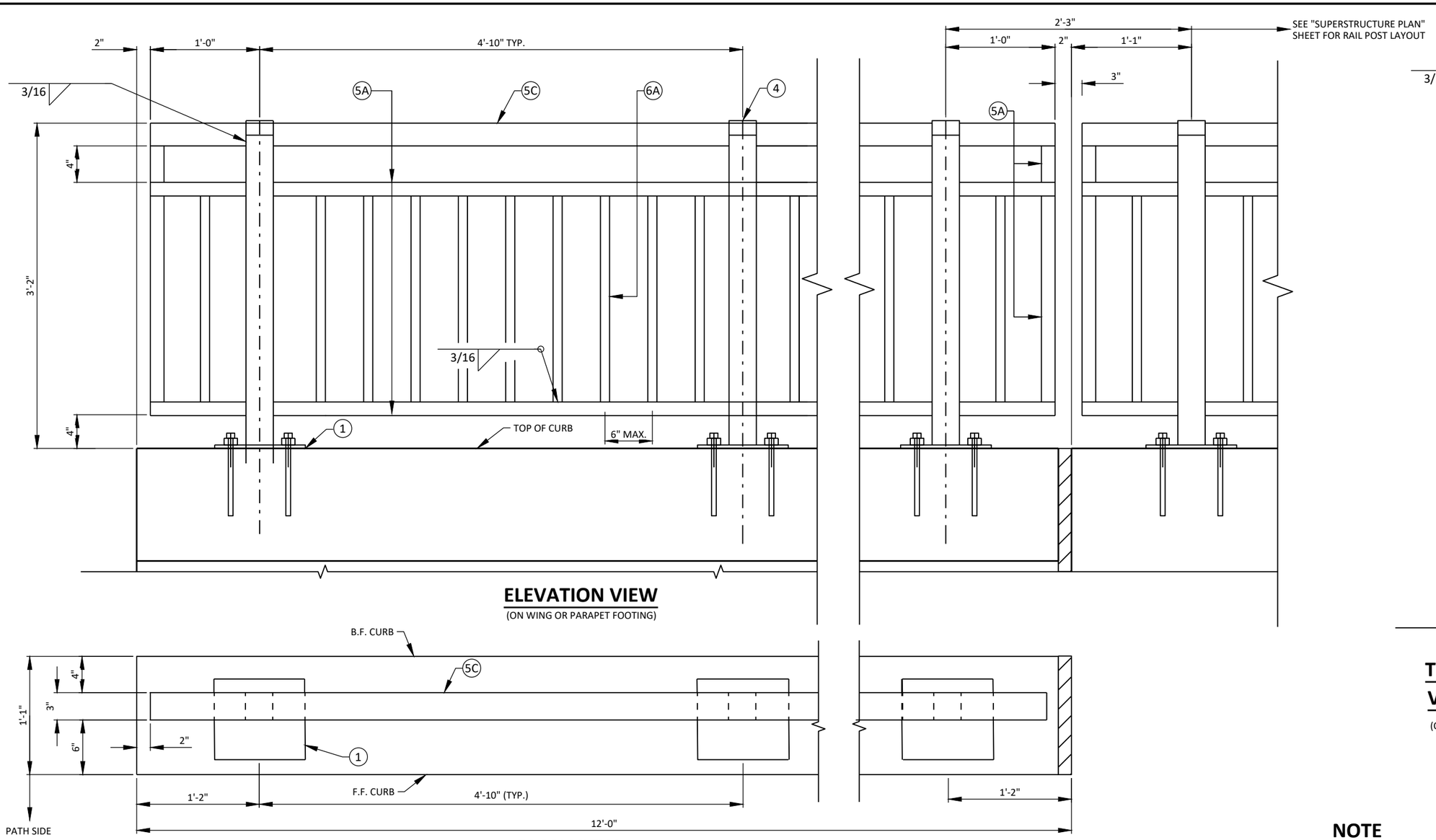
DRAWN BY STD | PLANS CK'D WAH

PARAPET FOOTING

SHEET 23
1253

8

8

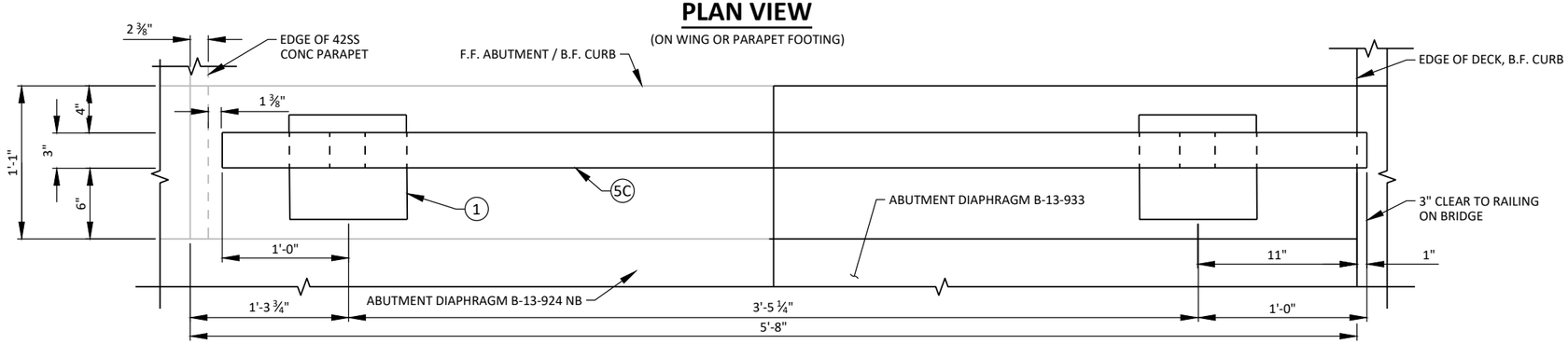


ELEVATION VIEW

(ON WING OR PARAPET FOOTING)

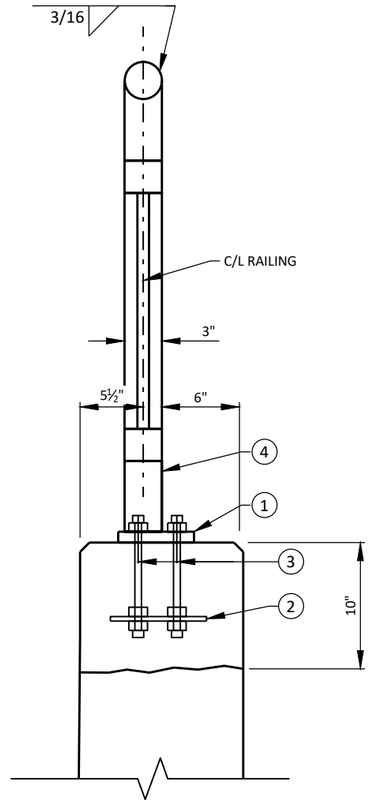
PLAN VIEW

(ON WING OR PARAPET FOOTING)



PLAN VIEW

ON ABUTMENT DIAPHRAGMS



TYPICAL SECTION VIEW THRU RAIL

(ON DECK, WING, OR FOOTING)

NOTE

SEE "TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2) SHEET FOR LEGEND

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

TYPE C2 PEDESTRIAN RAILING DETAILS (1 OF 2)

SHEET 24
1254

STATE PROJECT NUMBER
5992-11-28

8

8

STATE PROJECT NUMBER

5992-11-28

LEGEND

(1) PLATE ⅝" X 8" X 10" WITH ¾"HOLES. ◪

(2) ¼" X 6" X 9 ¾" ANCHOR PLATE WITH $^{11}/_{16}$"DIA. HOLES FOR THR'D. RODS NO.3.

(3) ¾" DIA. X 10 " LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝" INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS. DRILL THROUGH REINFORCEMENT (IF ENCOUNTERED) TO ACHIEVE MINIMUM EMBEDMENT.

(4) STRUCTURAL TUBING 3" X 3" X $^{3}/_{16}$". PLACE VERTICAL. WELD TO NO.1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X $^{3}/_{16}$" RAILS. WELD TO NO.1 & NO.4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(5C) STRUCTURAL TUBING 2½" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO.1 & 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(9A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. PROVIDE "SLIDING FIT".

(9B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

(10A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

(10B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE.

ALL JOINTS AND RECESSES IN CONCRETE CURB ARE TO BE VERTICAL.

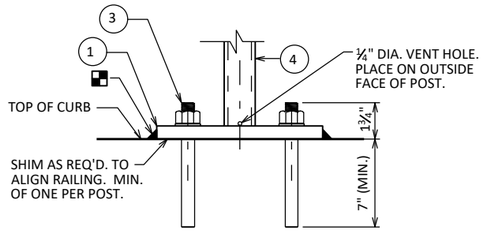
ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

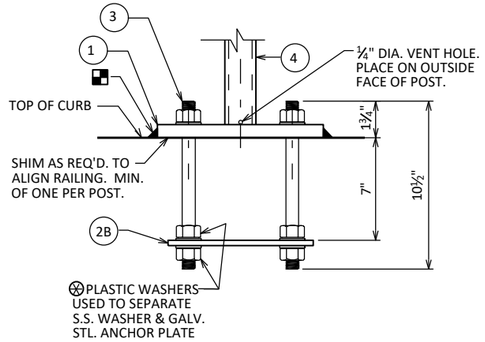
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

◪ ¾" DIA. HOLES FOR ADHESIVE ANCHORS.
¾" DIA. X 1 ½" SLOTTED HOLES FOR CAST-IN-PLACE ANCHORS.

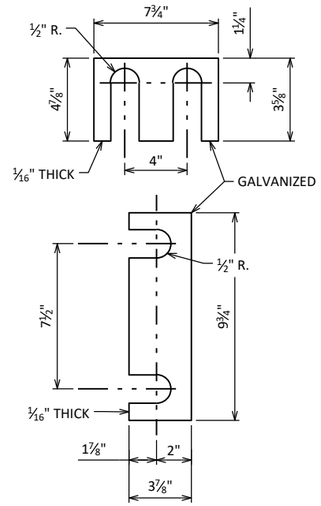


ADHESIVE ANCHORS



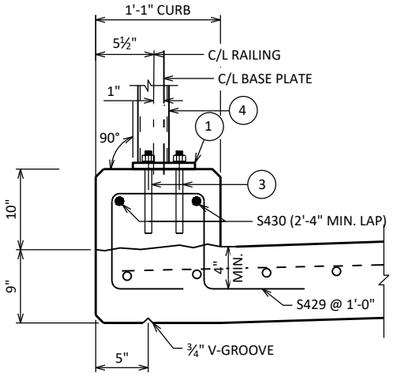
CAST-IN-PLACE ANCHORS

ANCHORAGE FOR RAIL POSTS



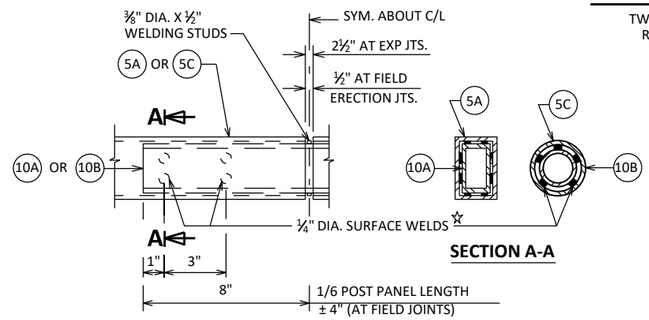
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POSTS



SECTION THRU CURB MOUNTED PEDESTRIAN RAILING

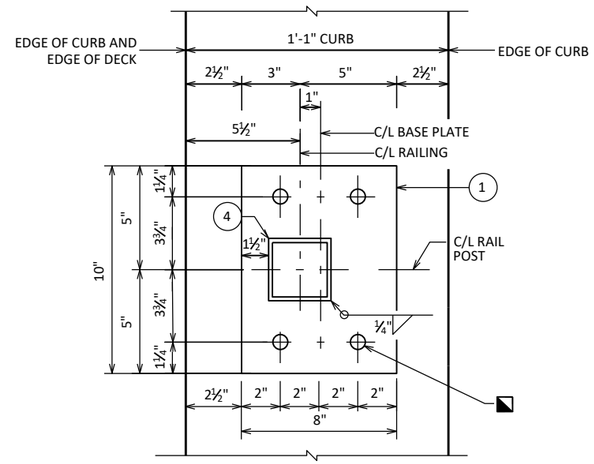
(SECTIONS ON WINGS AND PARAPETS FOOTING SIMILAR)



SECTION A-A

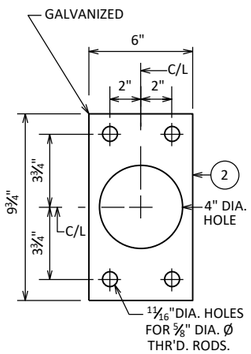
FIELD ERECTION JOINT DETAIL

☆ MIN. ⅜" FLAT SURFACE DIA. PUNCHING OR STUDS MAY BE USED AS AN ALTERNATE.



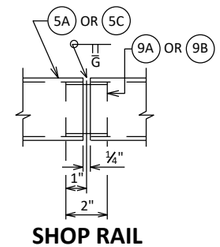
TYPICAL RAIL POST BASE PLATE

FOR 3" X 3" X $^{3}/_{16}$" POSTS (4)



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRE WHEN ADHESIVE ANCHORS ARE USED



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2)

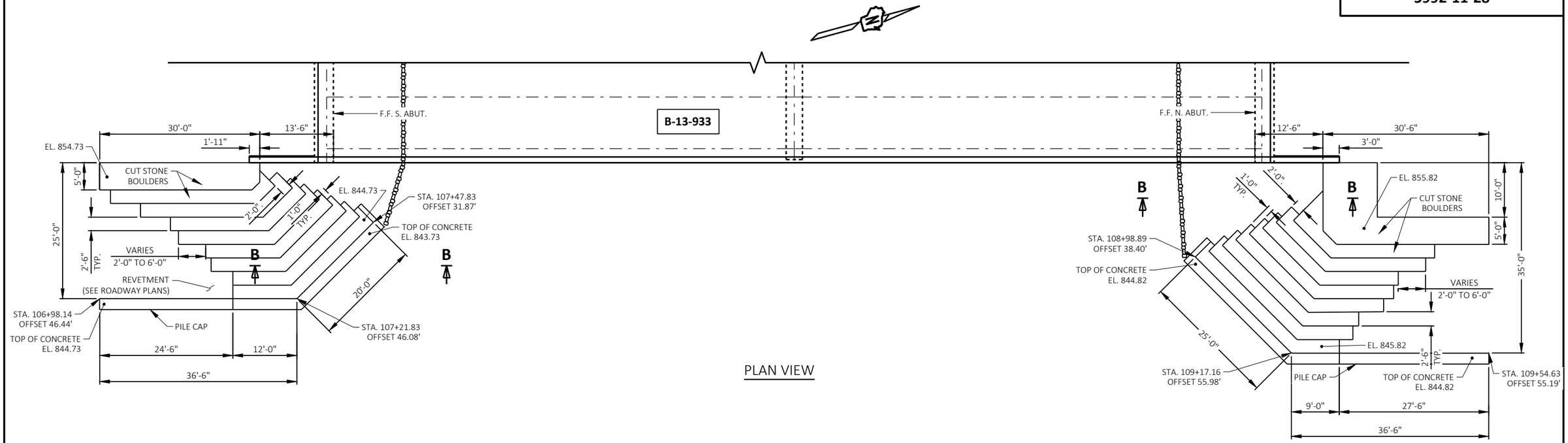
SHEET 25
1255

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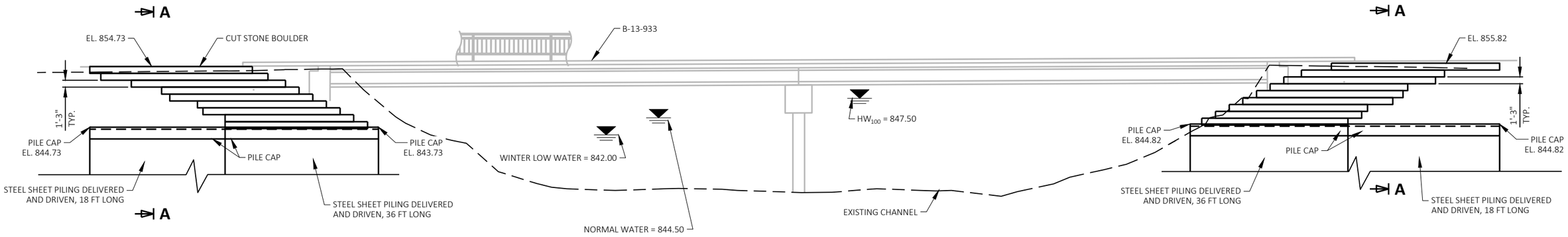
8

STATE PROJECT NUMBER

5992-11-28



PLAN VIEW



ELEVATION (CUT STONE BOULDER)

8

8

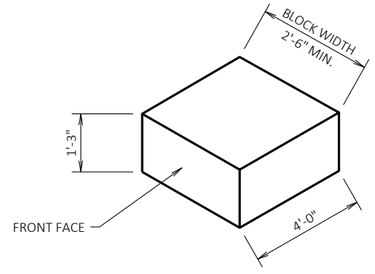
NOTES

EXCAVATION REQUIRED FOR UNDERCUT IS INCLUDED IN BID ITEM "CUT STONE BOULDERS".

PROVIDE PZ27 SHEET PILING IN 18 FT AND 31 FT LENGTHS. PAID AS BID ITEM "PILING STEEL SHEET PERMANENT DELIVERED" AND "PILING STEEL SHEET PERMANET DRIVEN".

CONCRETE FOR PILING CAP TO BE PAID AS "CONCRETE MASONRY RETAINING WALLS".

COURSE AGGREGATE AASHTO NO. 4 IS INCIDENTAL TO BID ITEM "CUT STONE BOULDERS".



CUT STONE BOULDER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

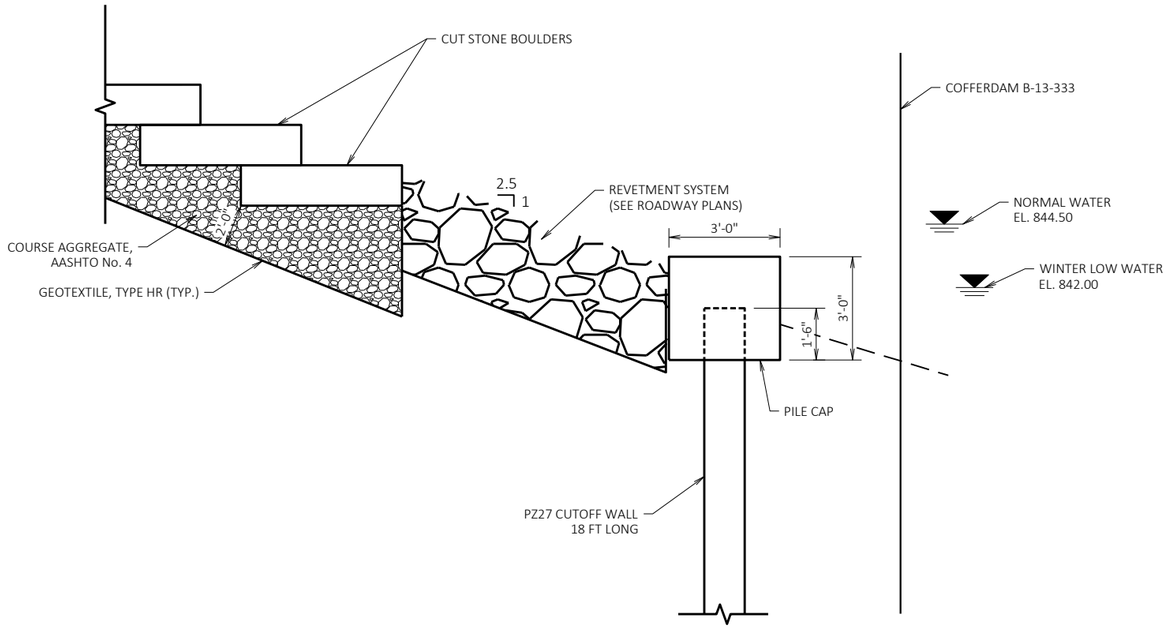
DRAWN BY STD | PLANS CK'D SKH

CUT STONE BOULDER

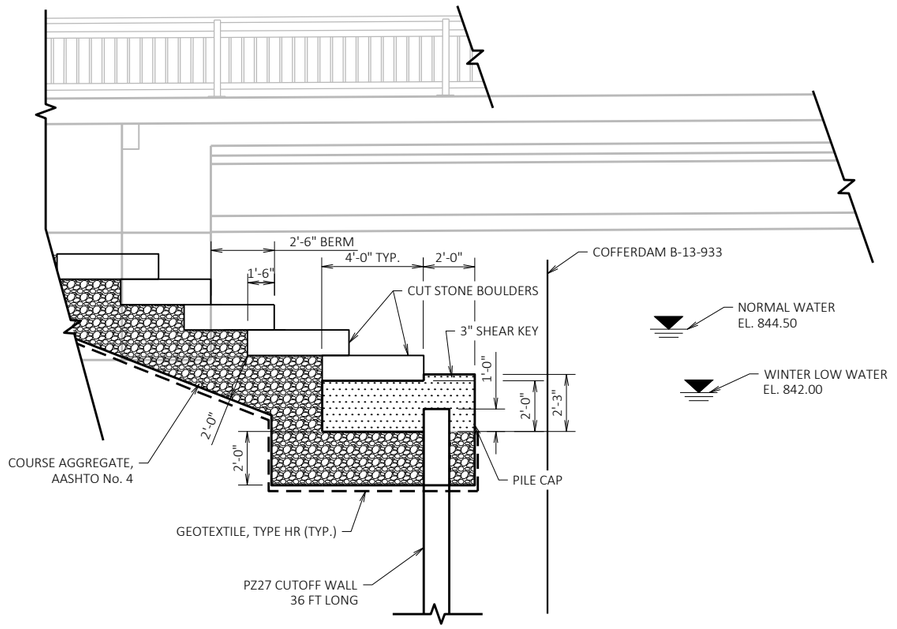
SHEET 26
1256

STATE PROJECT NUMBER

5992-11-28



SECTION A-A



SECTION B-B

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

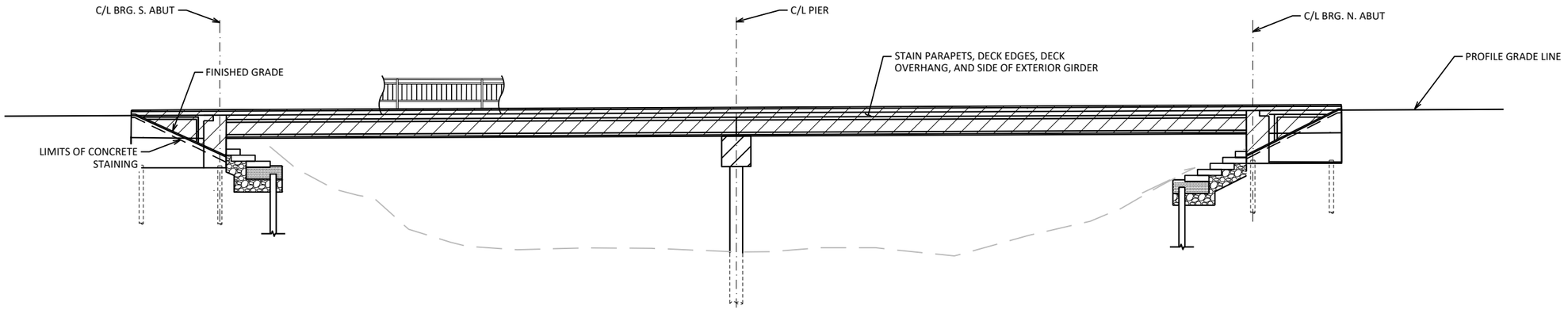
DRAWN BY STD | PLANS CK'D WAH

CUT STONE BOULDER DETAILS

SHEET 27
1257

STATE PROJECT NUMBER

5992-11-28

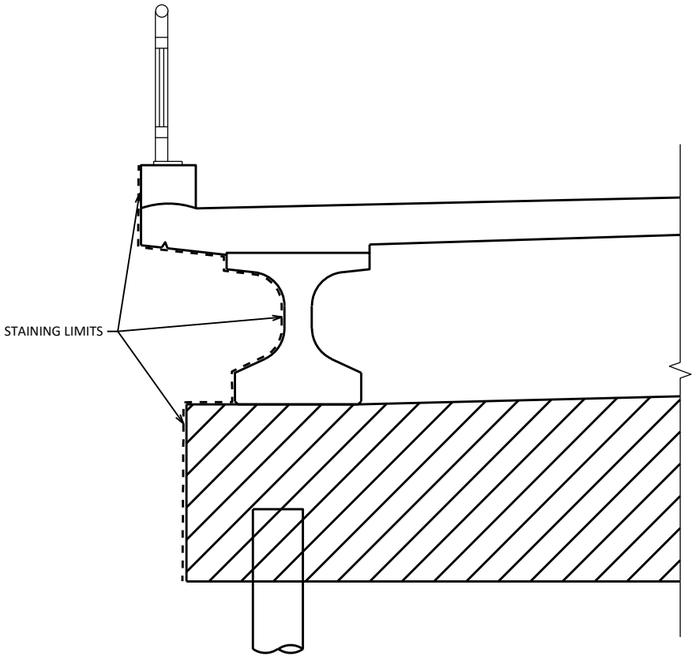


ELEVATION

(LOOKING WEST)

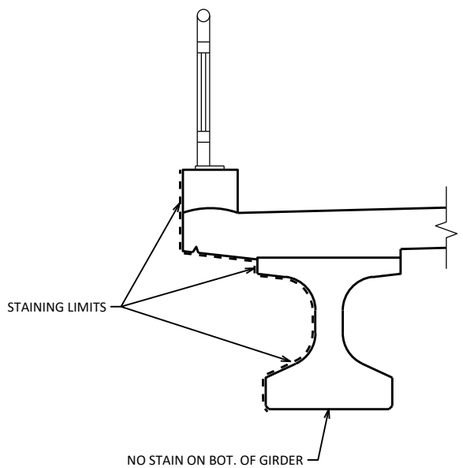
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	CURBS	EXTERIOR FACE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM ENDS OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON EACH END
	WINGS	TOP OF WING AND ALL EXPOSED SIDES TO 1-FT BELOW FINISHED GRADE
	PIERS	EXPOSED VERTICAL FACES OF PIER CAP



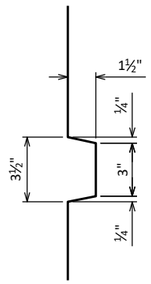
TYPICAL SECTION AT PIERS

STAIN EDGE OF PIER CAP, EXTERIOR FACE OF CURB AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS

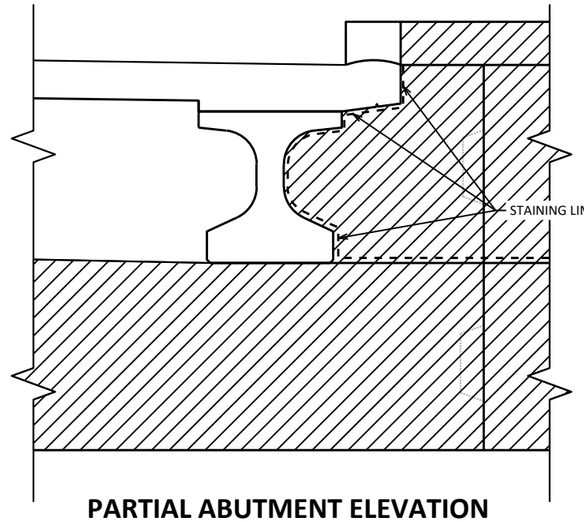


TYPICAL SECTION IN SPAN

STAIN BACK OF CURB, EDGE OF DECK, DECK OVERHANG AND SIDE OF EXTERIOR GIRDER

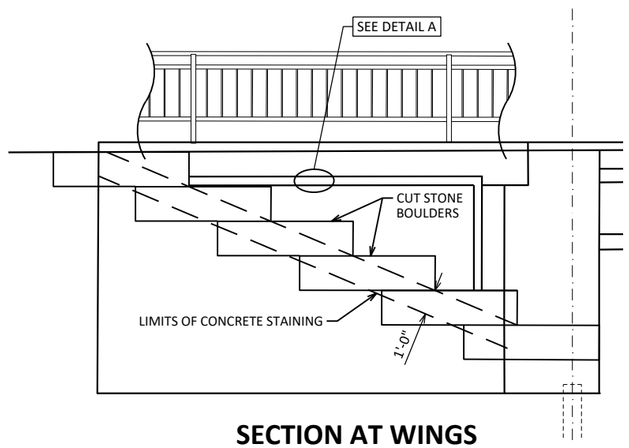


DETAIL A



PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, BACK FACE OF CURB, EXTERIOR FACE OF EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG



SECTION AT WINGS

STAIN EDGE OF WING WALL AND ABUTMENT 1-FT BELOW GROUND LINE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY GWK | PLANS CK'D WAH

AESTHETIC DETAIL

SHEET 28
1258

SCALE = 3.0

8

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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-933\080328_AE.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28

MONONA BAY

B-13-924 SB CONSTRUCTED DURING STAGE 2 CONSTRUCTION

STAGE 3 TRAFFIC

PI: 107+01.88'NB'

PC: 108+80.75'NB'

LIMITS OF COFFERDAM B-13-924 NB FOR REMOVAL OF EXISTING PIERS FOR B-13-333

107+00'NB'

108+00'NB'

109+00'NB'

B-13-924 NB

STAGE 3 CONSTRUCTION

LIMITS OF COFFERDAM B-13-924 NB FOR ABUTMENT REMOVAL AND CONSTRUCTION AND RIPRAP PLACEMENT (TYP.)

PI: 107+18.36'CT'

PC: 108+97.54'CT'

LIMITS OF REMOVAL FOR EXISTING PIERS B-13-333

108+00'CT'

109+00'CT'

B-13-933

REMOVE EXISTING ABUTMENT B-13-333 (TYP.)

LIMITS OF COFFERDAM B-13-933 FOR ABUTMENT REMOVAL AND CONSTRUCTION OF NEW ABUTMENTS AND CUT STONE BOULDER SYSTEM, TYP.

LAKE MONONA

PLAN

8

8

NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. FINAL LOCATION AND TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-933

DRAWN BY STD | PLANS CK'D WAH

TEMPOARY SHORING & COFFERDAM DETAILS

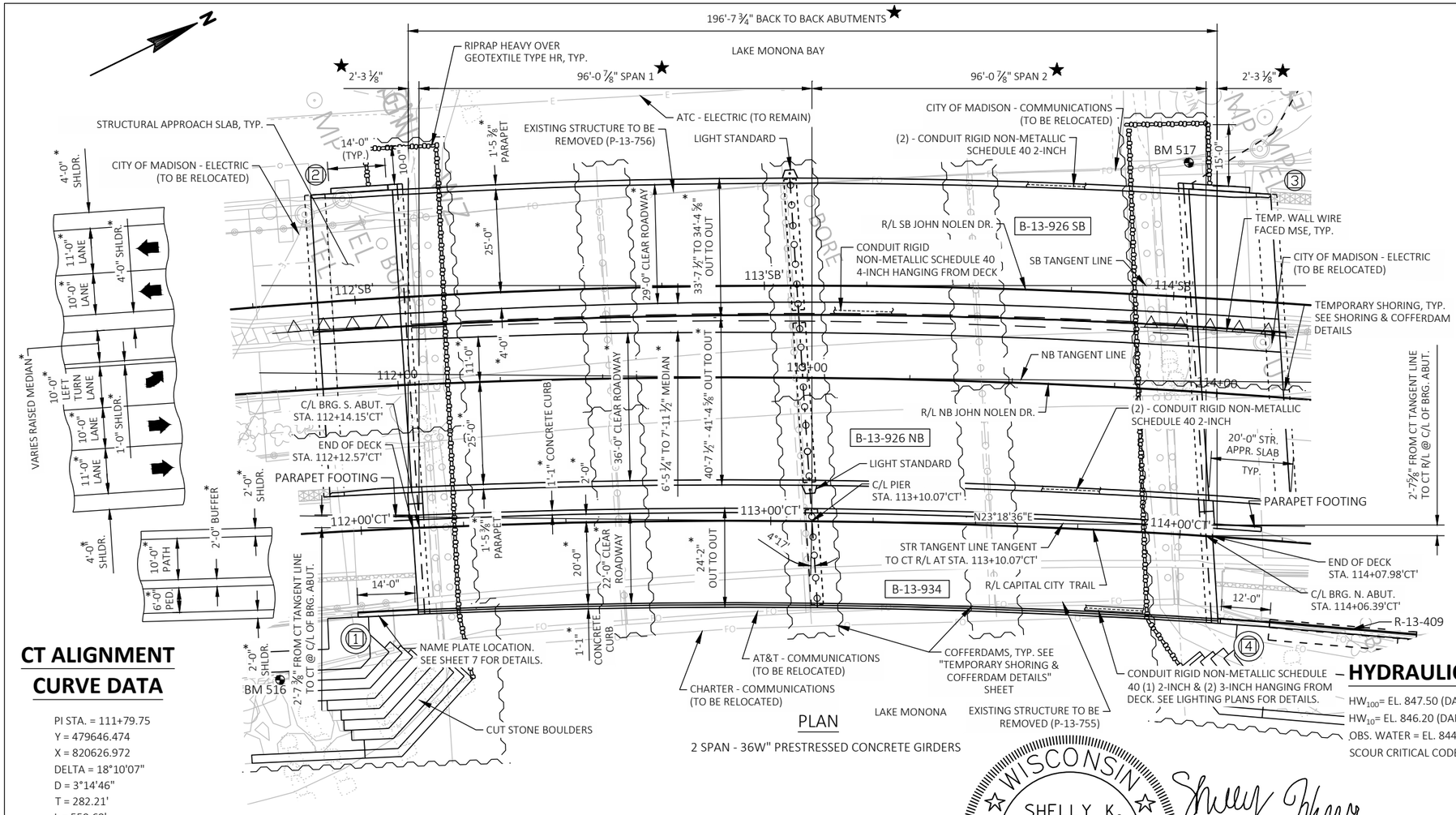
SHEET 29

1259

SCALE =

STATE PROJECT NUMBER

5992-11-28



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: H-10

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

STRUCTURE IS DESIGNED FOR A UNIFORM PEDESTRIAN LIVE LOAD OF 90 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
- SUPERSTRUCTURE — f'_c = 4,000 PSI
- ALL OTHER — f'_c = 3,500 PSI

BAR STEEL REINFORCEMENT
- GRADE 60 — f_y = 60,000 PSI

36-W" PRESTRESSED GIRDERS:
- CONCRETE MASONRY — f'_c = 8,000 PSI
- STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

STRUCTURAL CARBON STEEL:
- ASTM A709, GRADE 36 — f_y = 36,000 PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON CIP CONCRETE 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 100' LONG AT NORTH ABUT.
- 105' LONG AT SOUTH ABUT.

PIER TO BE SUPPORTED ON CIP CONCRETE 18 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 380 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA.
- 105' LONG AT PIER

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

HYDRAULIC DATA

HW_{100}= EL. 847.50 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
HW_{10}= EL. 846.20 (DANE CO. FLOOD INSURANCE STUDY 6/16/2016)
OBS. WATER = EL. 844.86 (KL SURVEY ON 6/23/21)
SCOUR CRITICAL CODE = 8

TRAFFIC DATA

JOHN NOLEN DRIVE:
- A.A.D.T. = 37,300 (2025)
- A.A.D.T. = 40,500 (2045)
- RDS = 40 M.P.H.

CT ALIGNMENT CURVE DATA

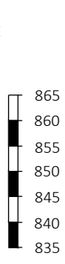
PI STA. = 111+79.75
Y = 479646.474
X = 820626.972
DELTA = 18°10'07"
D = 3°14'46"
T = 282.21'
L = 559.68'
R = 1765.00'
PC STA. = 108+97.54
Y = 479368.482
X = 820578.364
PT STA. = 114+57.22
Y = 479895.450
X = 820759.838
BK = N09°55'05.1"E
AH = N28°05'11.7"E

BENCH MARK

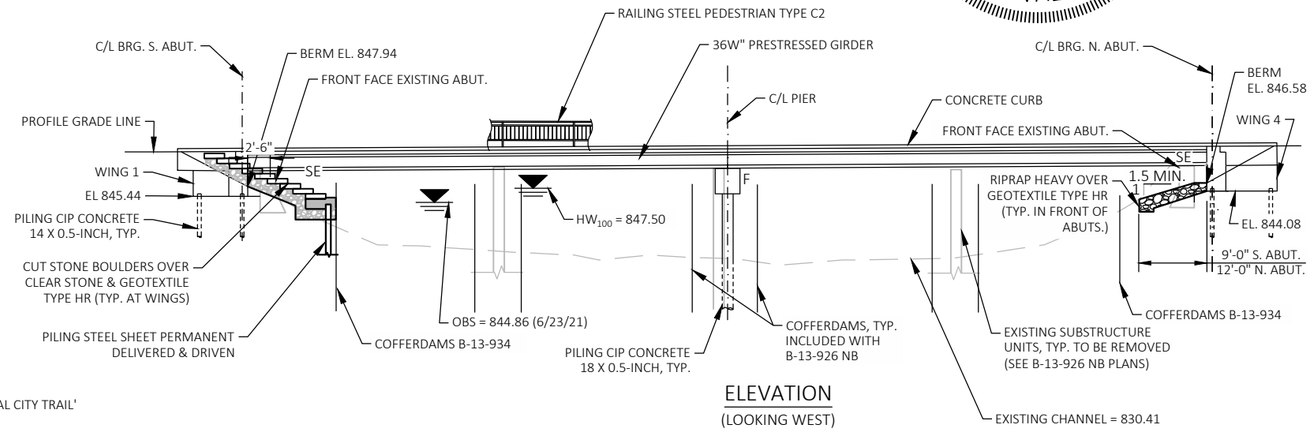
NO.	Y	X	ELEV.	DESCRIPTION
516	479627.704	820680.799	853.00	CUT SQ CONC WALL
517	479884.463	820652.059	856.33	CUT SQ CONC WALL

TANGENT LINE DATA

PI STA. = 113+10.07'CT'
Y = 479,762.90
X = 820,696.05
BEARING = N23°18'36"E



LEGEND
- DIRECTION OF TRAFFIC
- (X) INDICATES WING NUMBER
- * DIMENSION MEASURED RADIALLY
- ★ DIMENSION MEASURED ALONG 'CAPITAL CITY TRAIL' TANGENT LINE



ELEVATION
(LOOKING WEST)

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION
3. QUANTITIES
4. GENERAL NOTES, PROFILES & DETAILS
5. SUBSURFACE EXPLORATION
6. SOUTH ABUTMENT
7. SOUTH ABUTMENT WING DETAILS
8. SOUTH ABUTMENT DETAILS
9. NORTH ABUTMENT
10. NORTH ABUTMENT WING DETAILS
11. NORTH ABUTMENT DETAILS
12. SUBSTRUCTURE DETAILS
13. PIER
14. PIER DETAILS
15. 36W" PRESTRESSED GIRDER
16. 36W" PRESTRESSED GIRDER DETAILS
17. SUPERSTRUCTURE FRAMING PLAN
18. STEEL DIAPHRAGM
19. SUPERSTRUCTURE PLAN
20. SUPERSTRUCTURE CROSS SECTION
21. SUPERSTRUCTURE LAYOUT
22. SUPERSTRUCTURE DETAILS
23. SUPERSTRUCTURE BILL OF BARS
24. PARAPET FOOTING
25. TYPE C2 PEDESTRIAN RAILING DETAILS (1 OF 2)
26. TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2)
27. CUTSTONE BOULDERS
28. CUTSTONE BOULDER DETAILS
29. AESTHETIC DETAILS
30. TEMPORARY SHORING & COFFERDAM DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-13-934

JOHN NOLEN DR. PED. BRIDGE OVER LK. MONONA (NORTH)

COUNTY	CITY
DANE	MADISON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JBN	SKH	STD	SKH

GENERAL PLAN & ELEVATION

SHEET 1 OF 30
1260
SCALE =

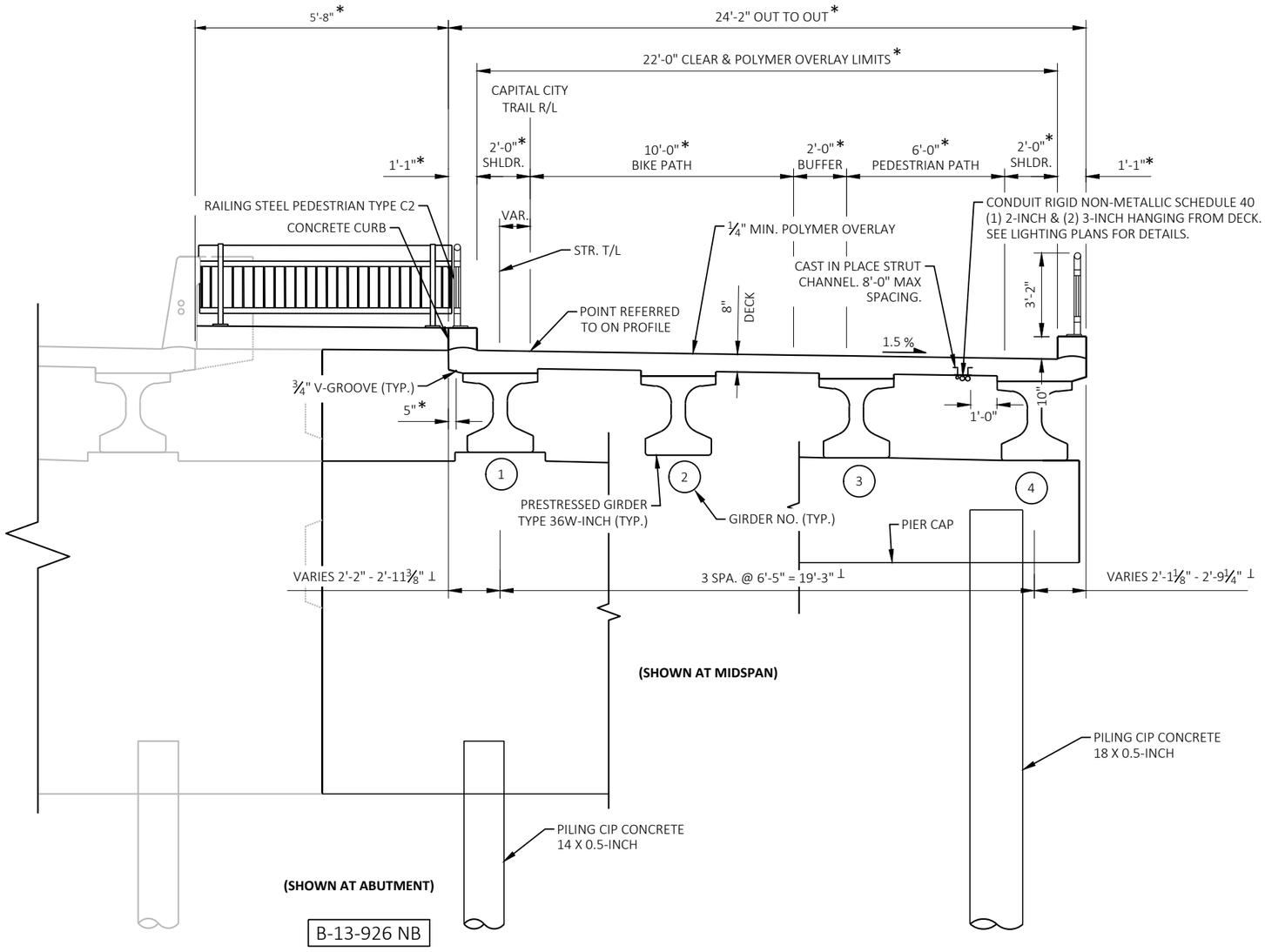
I.D.
DATE:

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STATE PROJECT NUMBER

5992-11-28



LEGEND

* MEASURED RADIALLY TO ALIGNMENT

⊥ MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

B-13-926 NB

B-13-934 TYPICAL SECTION

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D WAH

TYPICAL SECTION

SHEET 2

1261

SCALE =

8

8

STATE PROJECT NUMBER

5992-11-28

TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	S. ABUT	PIER	N. ABUT	SUPER	TOTAL
206.1001.09	EXCAVATION FOR STRUCTURES BRIDGES B-13-934	EACH	---	---	---	---	1
206.5001.09	COFFERDAMS B-13-934	EACH	---	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	120	---	120	---	240
501.1000.S	ICE HOT WEATHER CONCRETING	LB	192	66	207	1,356	1,821
502.0100	CONCRETE MASONRY BRIDGES	CY	25.6	8.8	27.6	180.8	243
502.3200	PROTECTIVE SURFACE TREATMENT	SY	---	---	---	485.9	485.9
502.3210	PIGMENTED SURFACE SEALER	SY	---	---	---	94	94
503.0137	PRESTRESSED GIRDER TYPE I 36W-INCH	LF	---	---	---	481.7	481.7
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	41.6	---	35	---	77
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,590	4,640	1,490	---	7,720
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	800	---	810	33,160	35,160
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH	4	8	4	---	16
506.4000.09	STEEL DIAPHRAGMS B-13-934	EACH	---	---	---	12	12
509.5100.S	POLYMER OVERLAY	SY	---	---	---	477	477
512.0500	PILING STEEL SHEET PERMANENT DELIVERED	SF	3,015	---	2,466	---	5,481
512.0600	PILING STEEL SHEET PERMANENT DRIVEN	SF	3,015	---	2,466	---	5,481
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	---	---	---	455	455
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7	---	8	---	15
517.1010.S.09	CONCRETE STAINING B-13-934	SF	162	191	168	2,728	3,249
550.2148	PILING CIP CONCRETE 14 X 0.50-INCH	LF	630	---	600	---	1,230
606.0300	RIPRAP HEAVY	CY	26	---	33	---	59
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	55	---	60	---	115
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	22	---	22	---	44
645.0120	GEOTEXTILE TYPE HR	SY	301	---	212	---	513
SPV.0060.201	CAST IN PLACE STRUT CHANNEL	EACH	---	---	---	26	26
SPV.0090	PILING CIP CONCRETE 18 X 0.50-INCH	LF	---	525	---	---	525
SPV.0165.201	CUT STONE BOULDERS	SF	820	---	660	---	1,480
	NON-BID ITEMS						
	FILLER	SIZE	1/2" & 3/4"	3/4"	1/2" & 3/4"		

ALL BID ITEMS SHOWN ARE IN CATEGORY 0040

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D WAH

QUANTITIES

SHEET 3

1262

SCALE =

STATE PROJECT NUMBER

5992-11-28

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

COORDINATES ON THE PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-13-934" SHALL BE THE EXISTING GROUND LINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE EXPOSED TOP OF DECK TO THE VERTICAL AND HORIZONTAL SURFACES OF THE PAVING NOTCHES AT ABUTMENT DIAPHRAGMS.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE CURBS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE "HR" TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "36W PRESTRESSED GIRDER DETAILS" SHEET.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWER AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

COFFERDAMS REQUIRED FOR NEW SUBSTRUCTURE CONSTRUCTION AND REMOVAL OF EXISTING SUBSTRUCTURE SHALL BE INCLUDED WITH BID ITEM "COFFERDAMS B- 13-934"

SHOT BLASTING, DECK SURFACE PREPARATIONS, AND TRANSITIONAL AREAS ARE INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

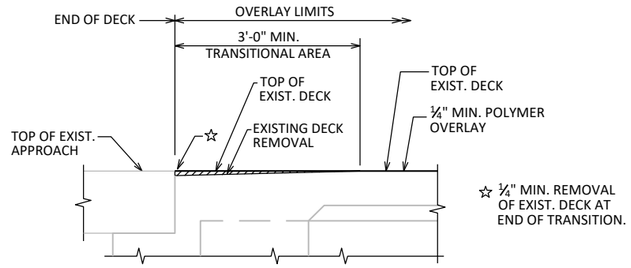
POLYMER OVERLAY IS TO BE PLACED A MINIMUM OF 28 DAYS AFTER THE DECK IS POURED DURING STAGE 3 CONSTRUCTION.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING NON-ASPHALTIC JOINT SEALER (1-INCH DEEP AND HOLD ⅛" BELOW SURFACE OF THE CONCRETE). COLOR TO MATCH ADJACENT SURFACES.

JOINT FILLER SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M153 TYPE 1, 2, OR 3, OR AASHTO M213.

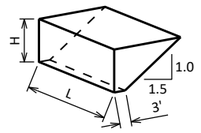
SEE LIGHTING PLANS FOR CONDUIT RIGID NONMETALLIC SCHEDULE 40 (1) 2-INCH & (2) 3-INCH HANGING FROM THE DECK.

EMBEDDED STRUT CHANNEL USED TO HANG CONDUIT IS TO BE PLACED 8'-0" MAX SPACING PRIOR TO DECK BEING POURED. EMBEDDED STRUT CHANNEL WILL BE PAID FOR UNDER "CAST IN PLACE STRUT CHANNEL". SEE LIGHTING PLANS FOR DETAILS.



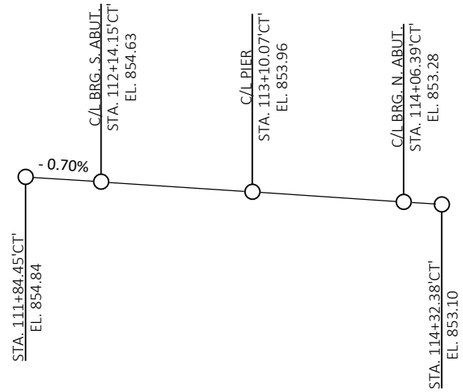
SECTION THRU ABUTMENT TRANSITIONAL AREA ON DECK AT SEMI-EXPANSION OR FIXED JOINT

(REMOVAL AND OVERLAY THICKNESS NOT TO SCALE)

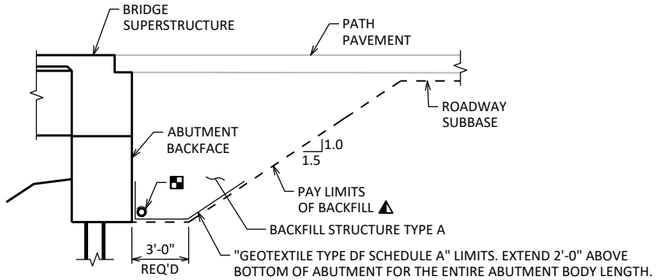


ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT BODY INCLUDING WINGS (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)



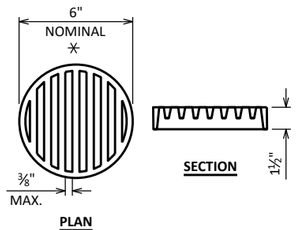
PROFILE GRADE LINE - JND CT



TYPICAL SECTION THRU ABUTMENT

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

■ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.



RODENT SHIELD DETAIL

⁎ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

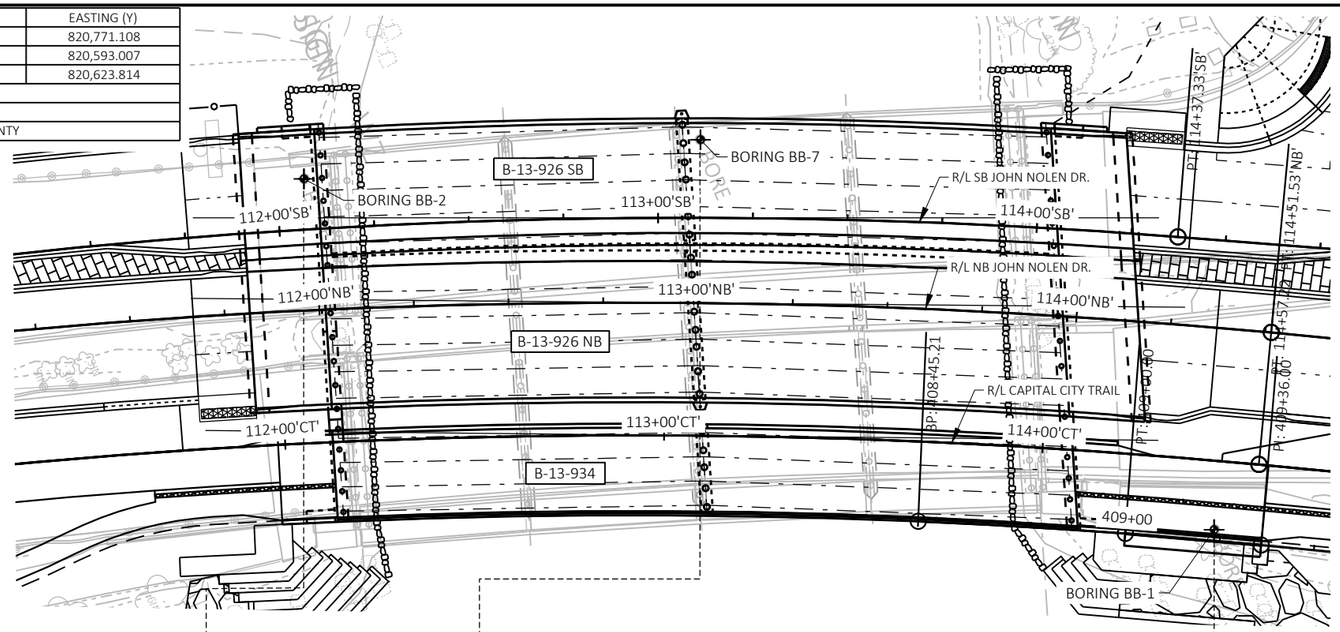
DRAWN BY STD | PLANS CK'D SKH

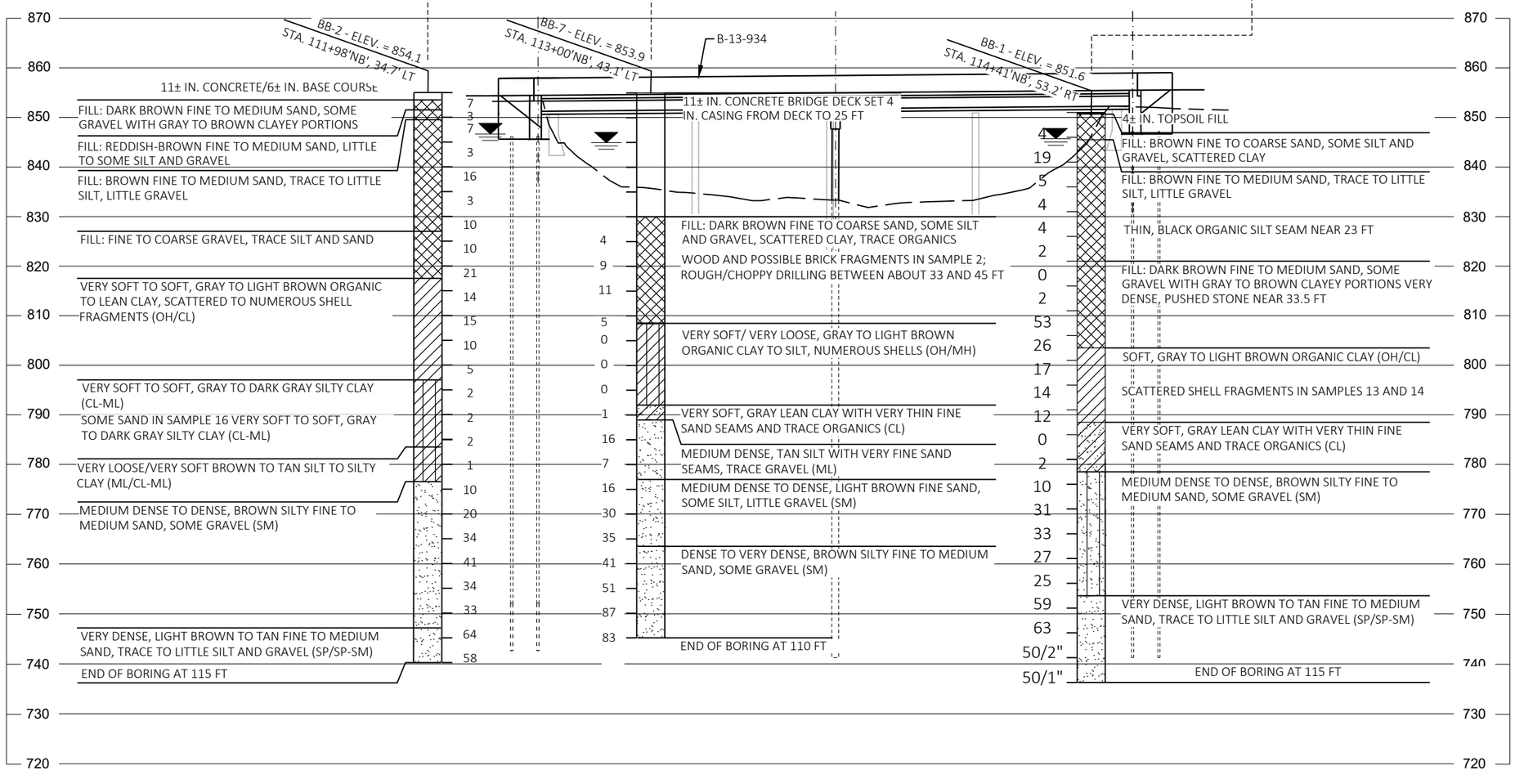
GENERAL NOTES, PROFILES & DETAILS

SHEET 4
1263

SCALE =

BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-1	6/6/2023	479,877.899	820,771.108
BORING BB-2	5/4/2023	479,692.095	820,593.007
BORING BB-7	4/4/2023	479,972.570	820,623.814
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





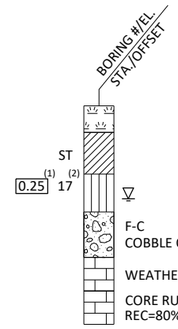
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D SKH

SUBSURFACE EXPLORATION

SHEET 5
1264

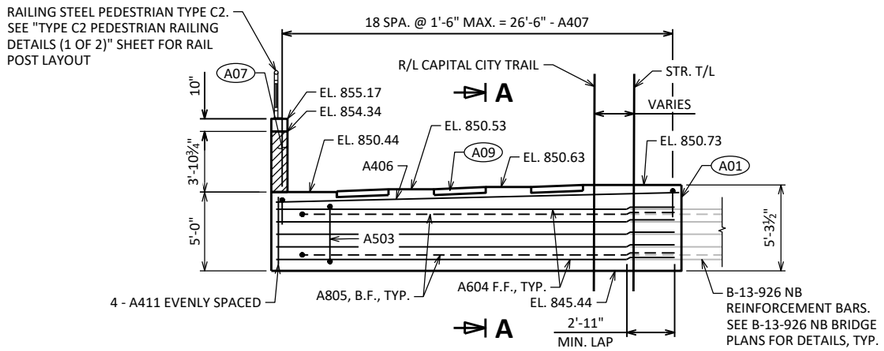
SCALE =

8

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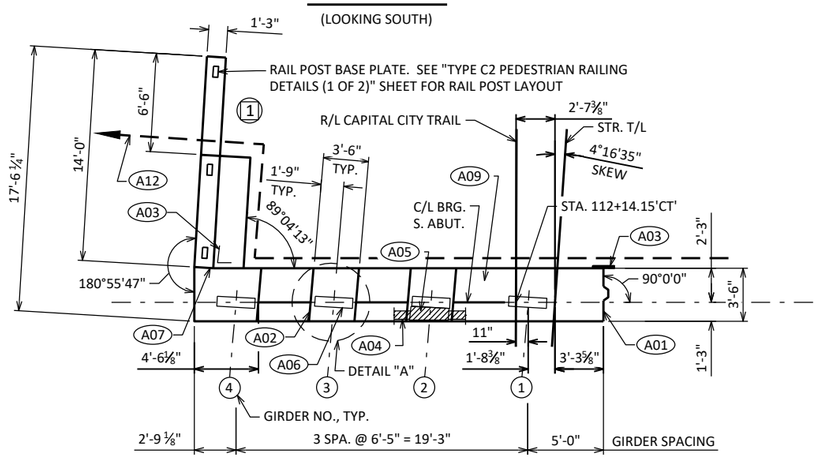
STATE PROJECT NUMBER

5992-11-28

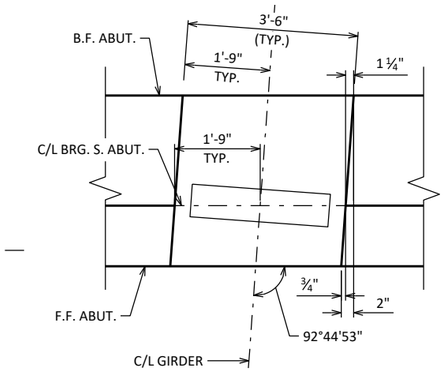


ELEVATION

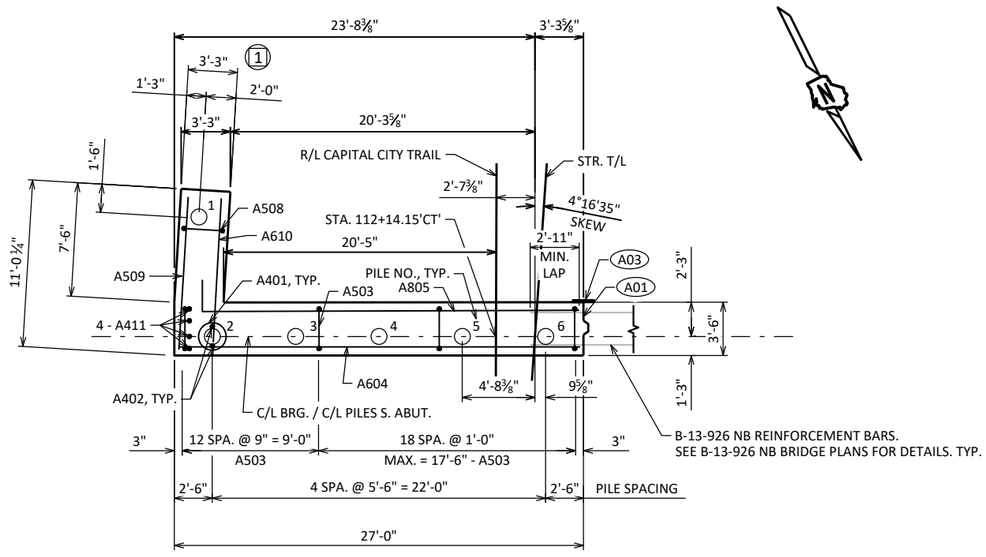
(LOOKING SOUTH)



PLAN



DETAIL "A"



PILE PLAN

NOTES

FOR SECTION A-A SEE "SOUTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 105 FT.
- (A01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (A02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (A05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (A06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A09) SLOPE BETWEEN BEAM SEATS, TYP.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT

SHEET 6
1265

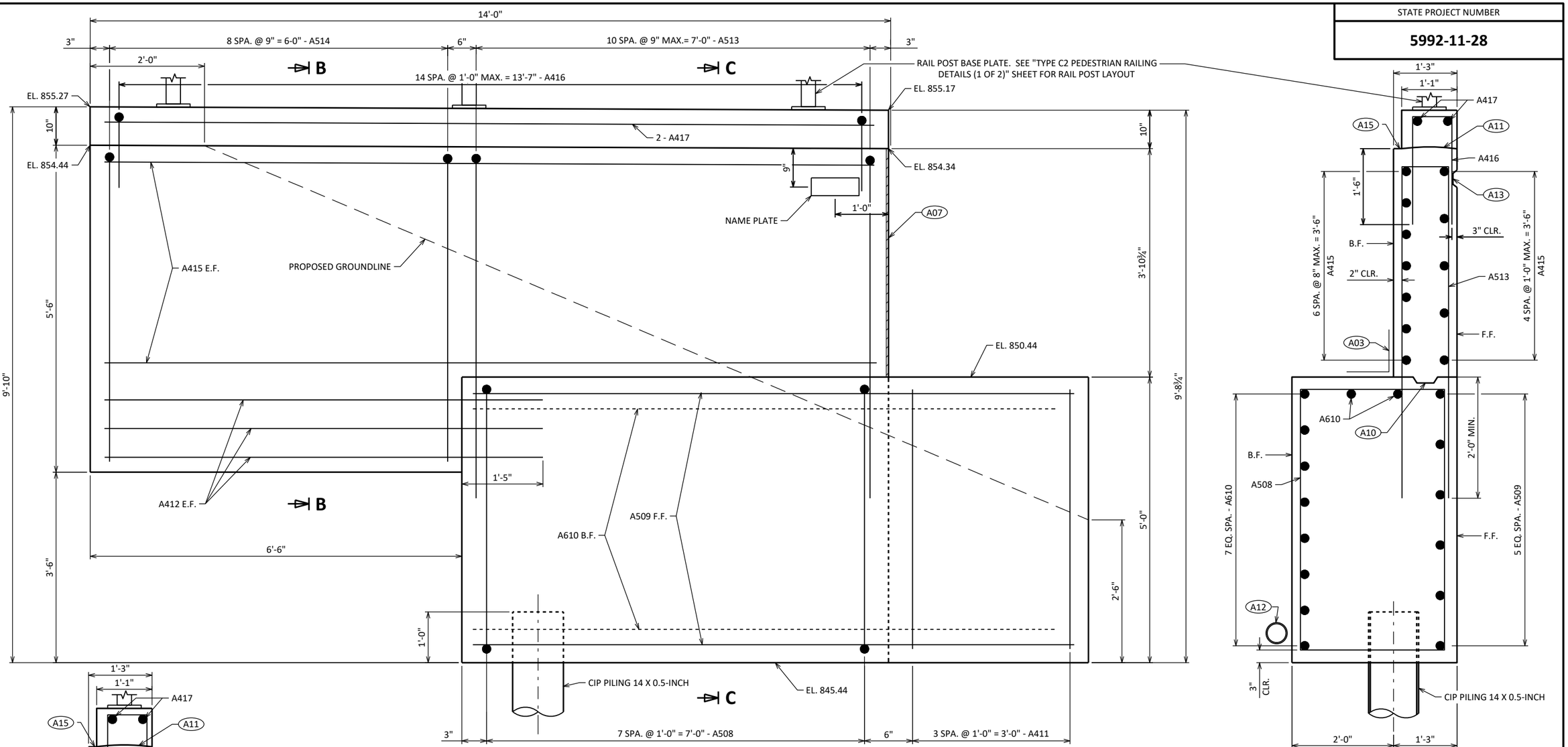
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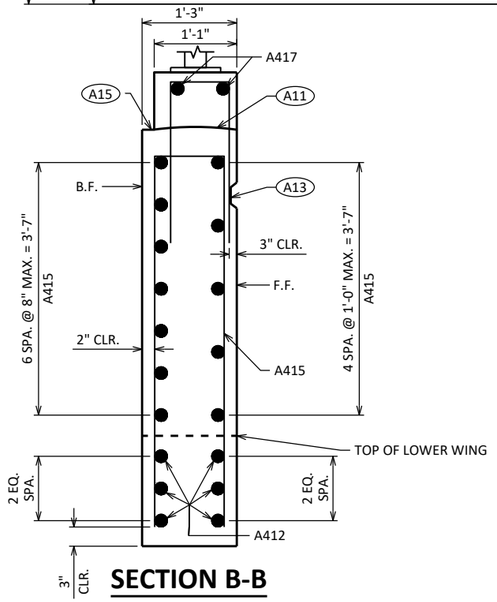
STATE PROJECT NUMBER

5992-11-28



ELEVATION - WING 1

SECTION C-C



SECTION B-B

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

LEGEND

- (A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (A07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (A10) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (A11) CONSTRUCTION JOINT. STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- (A12) PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (A13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (A15) MATCH SURFACE OF ADJACENT PAVEMENT
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D WAH

SOUTH ABUTMENT WING DETAILS

SHEET 7
1266

SCALE = 2.0

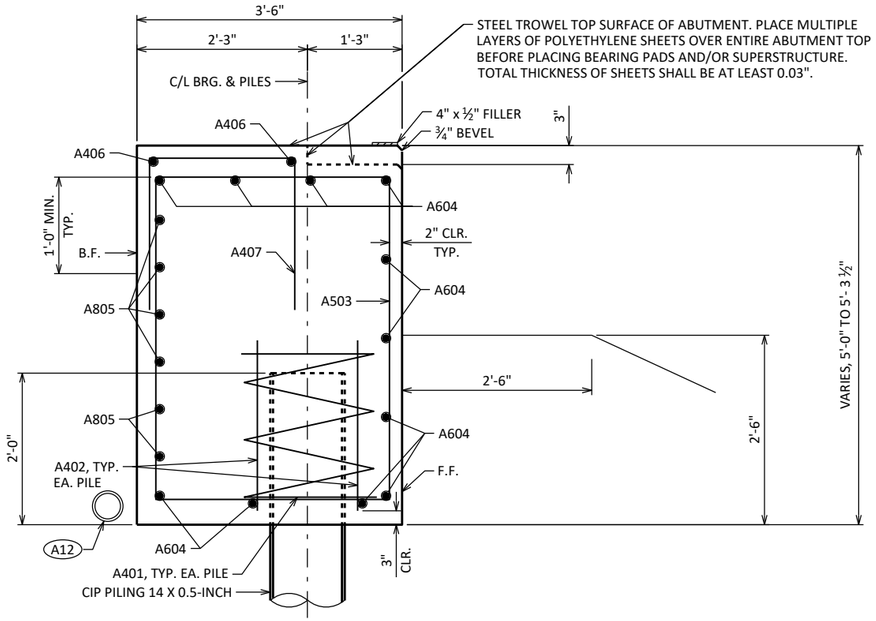
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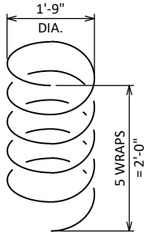
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

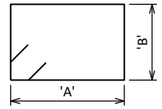
5992-11-28



SECTION A-A

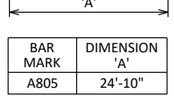


A401



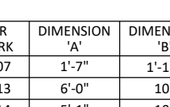
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A503	3'-2"	4'-4"
A508	2'-11"	4'-7"

A503, A508



BAR MARK	DIMENSION 'A'
A805	24'-10"

A805



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
A407	1'-7"	1'-11"
A513	6'-0"	10"
A514	5'-1"	10"
A416	2'-2"	8"

A407, A513, A514, A416

TOTAL COATED = 800 LBS.

TOTAL UNCOATED = 1,590 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
A401	5	28'-0"		X	ABUT. BODY PILES
A402	10	2'-3"			ABUT. BODY PILES
A503	31	15'-8"		X	ABUT. BODY STIRRUP
A604	11	26'-8"			ABUT. BODY LONGIT. F.F.
A805	6	25'-11"		X	ABUT. BODY LONGIT. B.F.
A406	2	26'-8"			ABUT. BODY LONGIT. TOP
A407	19	4'-11"		X	ABUT. BODY VERT. STIRRUP
A508	8	15'-8"	X	X	WING 1 LOWER STIRRUP
A509	6	10'-8"	X		WING 1 LOWER LONGIT. F.F.
A610	10	9'-10"	X		WING 1 LOWER LONGIT. B.F. & TOP
A411	4	4'-7"			ABUT. BODY VERT. E. END
A412	6	7'-9"	X		WING 1 UPPER LONGIT. E.F.
A513	11	12'-7"	X	X	WING 1 UPPER VERT.
A514	9	10'-9"	X	X	WING 1 UPPER VERT.
A415	12	13'-7"	X		WING 1 UPPER LONGIT. E.F.
A416	15	4'-10"	X	X	CURB STIRRUP
A417	2	13'-7"	X		CURB LONGIT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OR A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(A03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(A12) PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SOUTH ABUTMENT DETAILS

SHEET 8
1267

SCALE = 2.0

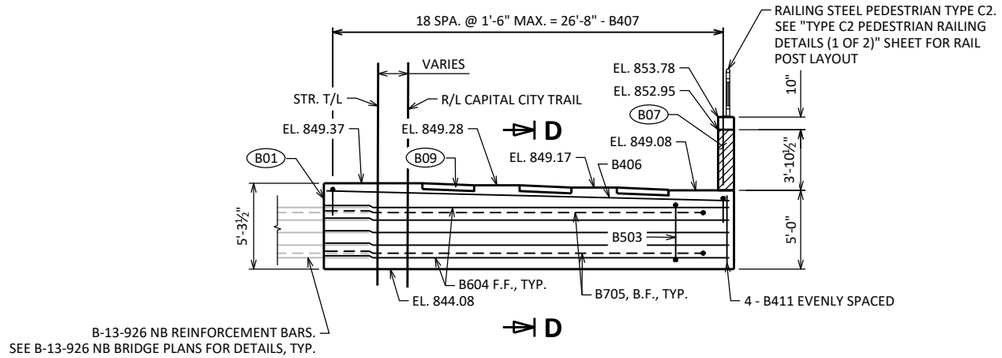
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080608_AB.DWG
LAYOUT NAME - SHT2C

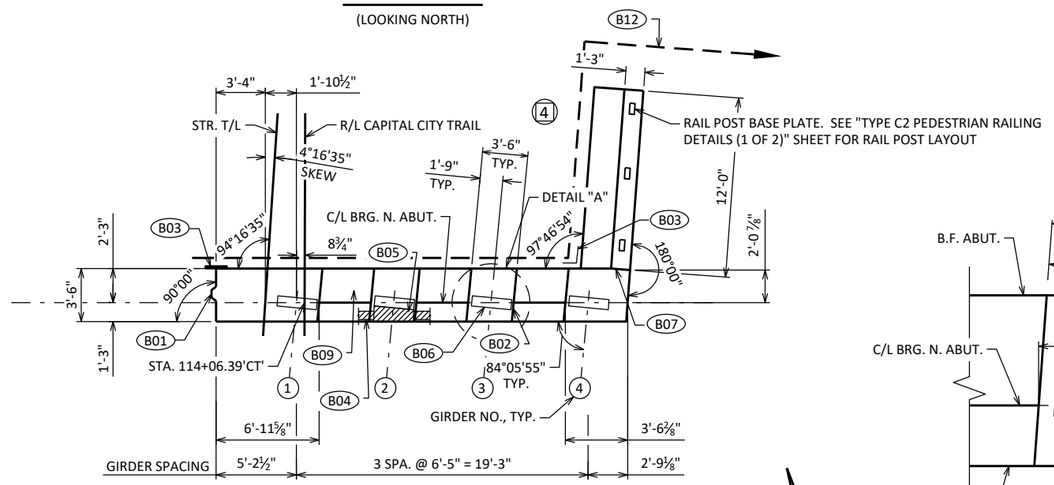
STATE PROJECT NUMBER

5992-11-28

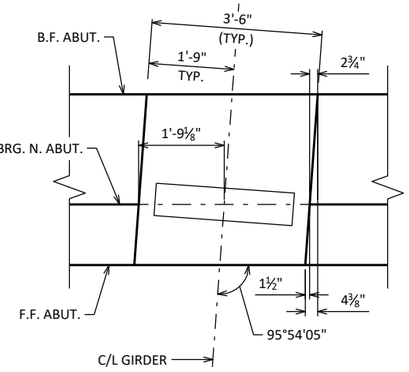


ELEVATION

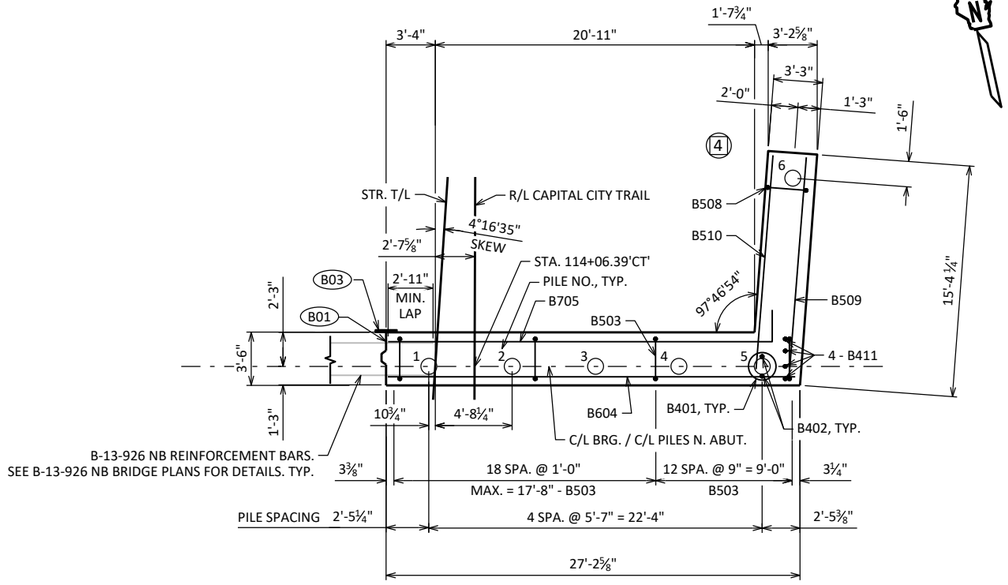
(LOOKING NORTH)



PLAN



DETAIL "A"



PILE PLAN

NOTES

FOR SECTION D-D SEE "NORTH ABUTMENT DETAILS" SHEET.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ½" FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

SEE "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

- ◯ CIP 14 X 0.5-INCH PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED PILE LENGTH = 100 FT.
- (B01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (B02) ¾" CORK FILLER ON VERTICAL FACES OF BEAM SEATS THAT RUN PARALLEL TO GIRDERS, TYP.
- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B04) 4" x ½" PREFORMED JOINT FILLER, TYP. RUN FULL LENGTH OF ABUTMENT.
- (B05) ½" PREFORMED JOINT FILLER UNDER GIRDERS IN FRONT OF BEARING PAD, TYP.
- (B06) ½" THICK x 8" x 2'-10" NON-LAMINATED ELASTOMERIC BEARING PAD, TYP.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B09) SLOPE BETWEEN BEAM SEATS, TYP.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT

SHEET 9
1268

SCALE = 10.0

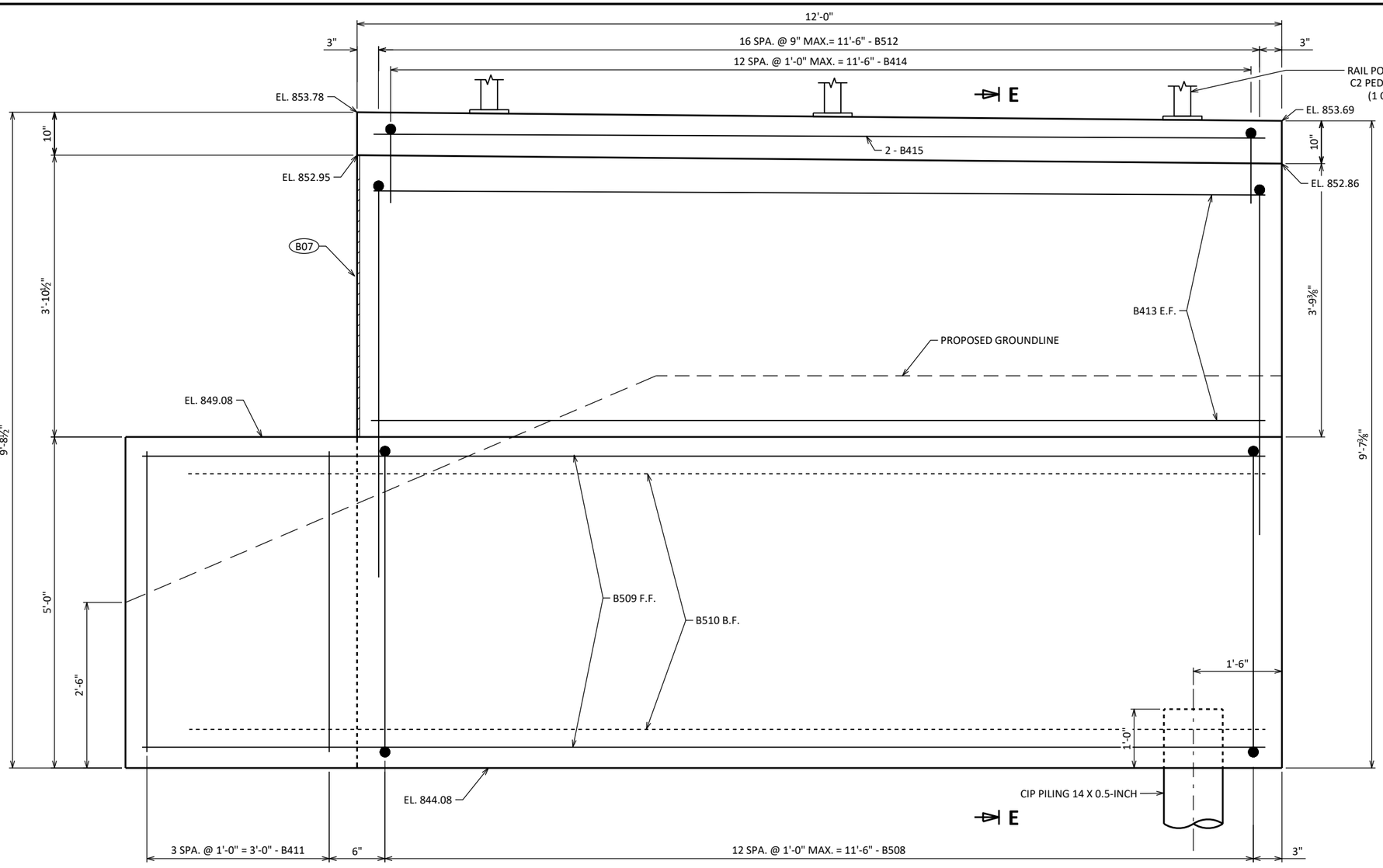
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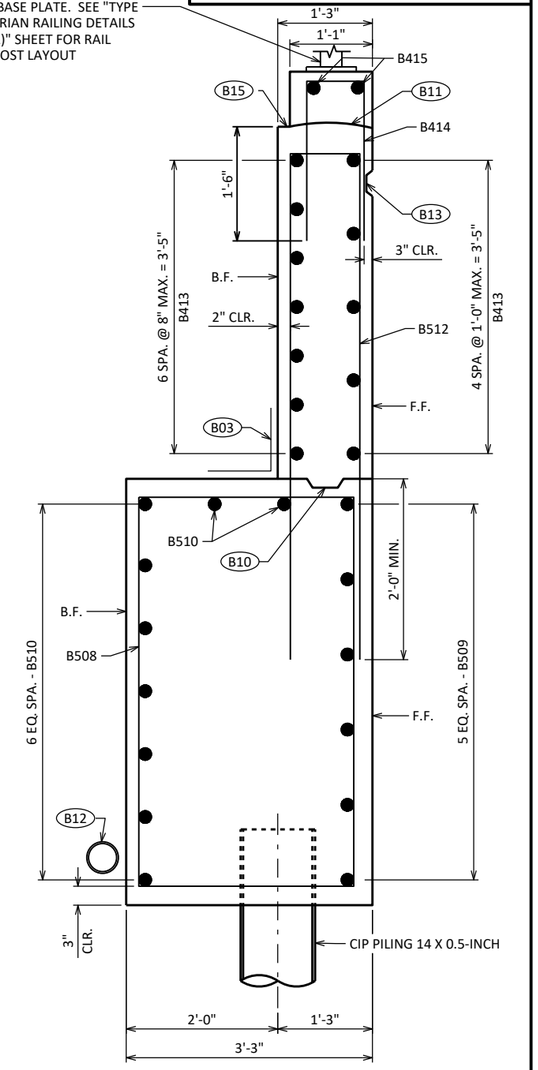
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28



ELEVATION - WING 4



SECTION E-E

LEGEND

- (B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE OF ABUTMENTS.
- (B07) ½" FILLER TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. FILLER INCLUDED IN WING LENGTH.
- (B10) OPTIONAL CONST. JOINT FORMED BY BEVELED 2" X 6" KEYWAY WITH MEMBRANE ON BACKFACE. INCLUDE ¾" V-GROOVE ON FRONT FACE IF USED.
- (B11) CONSTRUCTION JOINT. STRIKE OFF AS SHOWN AND LEAVE ROUGH.
- (B12) PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.
- (B13) SEE "AESTHETIC DETAILS" SHEET FOR RUSTICATION AND STAINING DETAILS.
- (B15) MATCH SURFACE OF ADJACENT PAVEMENT
- F.F. - FRONT FACE
- B.F. - BACK FACE
- E.F. - EACH FACE

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACES.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D WAH

NORTH ABUTMENT WING DETAILS

SHEET 10
1269

SCALE = 2.0

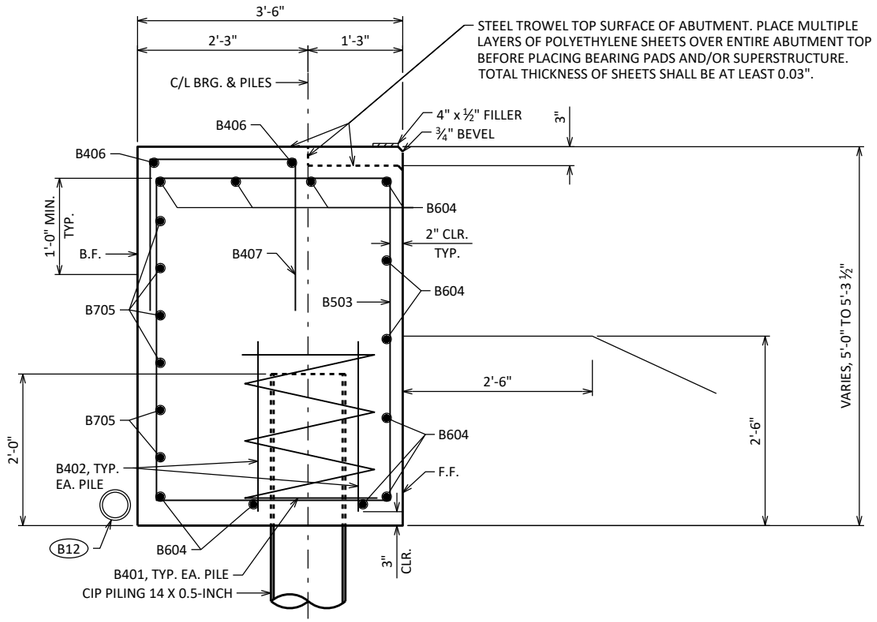
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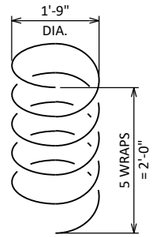
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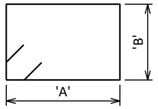
5992-11-28



SECTION D-D

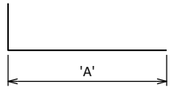


B401



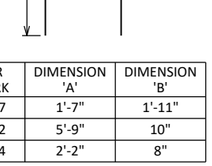
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B503	3'-2"	4'-4"
B508	2'-11"	4'-7"

B503, B508



BAR MARK	DIMENSION 'A'
B705	24'-10"

B705



BAR MARK	DIMENSION 'A'	DIMENSION 'B'
B407	1'-7"	1'-11"
B512	5'-9"	10"
B414	2'-2"	8"

B407, B512, B414

TOTAL COATED = 810 LBS.

TOTAL UNCOATED = 1,490 LBS.

BILL OF BARS

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
B401	5	28'-0"		X	ABUT. BODY PILES
B402	10	2'-3"			ABUT. BODY PILES
B503	31	15'-8"		X	ABUT. BODY STIRRUP
B604	11	26'-10"			ABUT. BODY LONGIT. F.F.
B705	6	25'-10"		X	ABUT. BODY LONGIT. B.F.
B406	2	26'-10"			ABUT. BODY LONGIT. TOP
B407	19	4'-11"		X	ABUT. BODY VERT. STIRRUP
B508	13	15'-8"	X	X	WING 4 LOWER STIRRUP
B509	6	14'-11"	X		WING 4 LOWER LONGIT. F.F.
B510	9	14'-4"	X		WING 4 LOWER LONGIT. B.F. & TOP
B411	4	4'-7"			ABUT. BODY VERT. E. END
B512	17	12'-1"	X	X	WING 4 UPPER STIRRUP
B413	12	11'-7"	X		WING 4 UPPER LONGIT. E.F.
B414	13	4'-10"	X	X	CURB STIRRUP
B415	2	11'-7"	X		CURB LONGIT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

NOTES

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF FILLER WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE). MATCH COLOR OF ADJACENT SURFACE.

REFER TO "SUBSTRUCTURE DETAILS" SHEET FOR PILE SPLICE DETAIL.

LEGEND

(B03) 18" RUBBERIZED MEMBRANE WATERPROOFING, SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON B.F. ABUTS.

(B12) PIPE UNDERDRAIN WRAPPED 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

NORTH ABUTMENT DETAILS

SHEET 11
1270

SCALE = 2.0

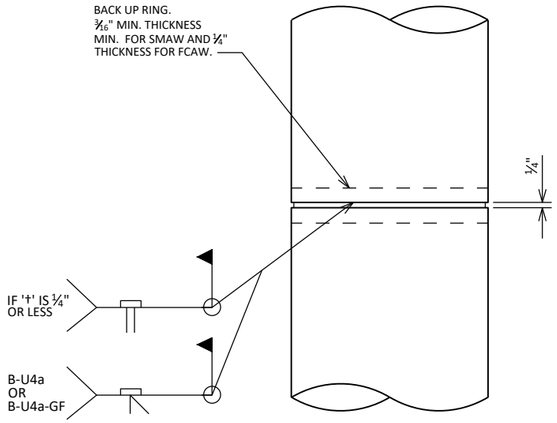
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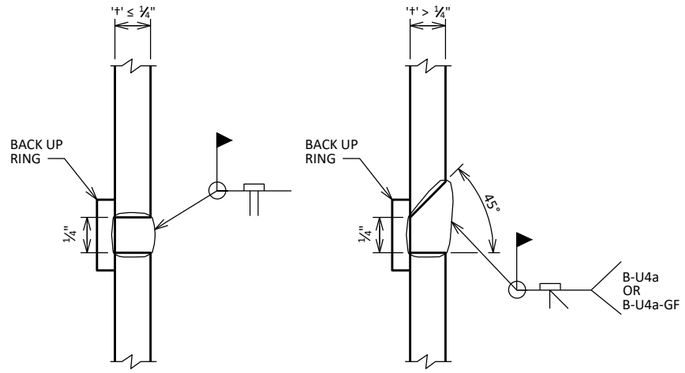
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LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

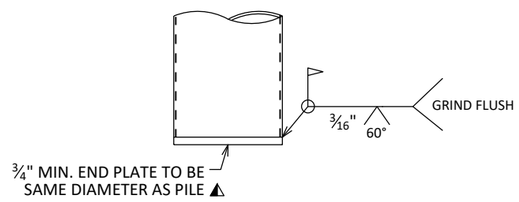
5992-11-28



CAST-IN-PLACE 'PILE PIPE'



CIP PILE WELD DETAIL



END PLATE DETAIL

LEGEND

⚠ THICKNESS IS TO BE AS REQUIRED BY THE DRIVABILITY ANALYSIS PREFORMED BY THE CONTRACTOR. 3/4" MIN. REQUIRED.

F.F. - FRONT FACE

B.F. - BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUBSTRUCTURE DETAILS

SHEET 12
1271

SCALE = 2.0

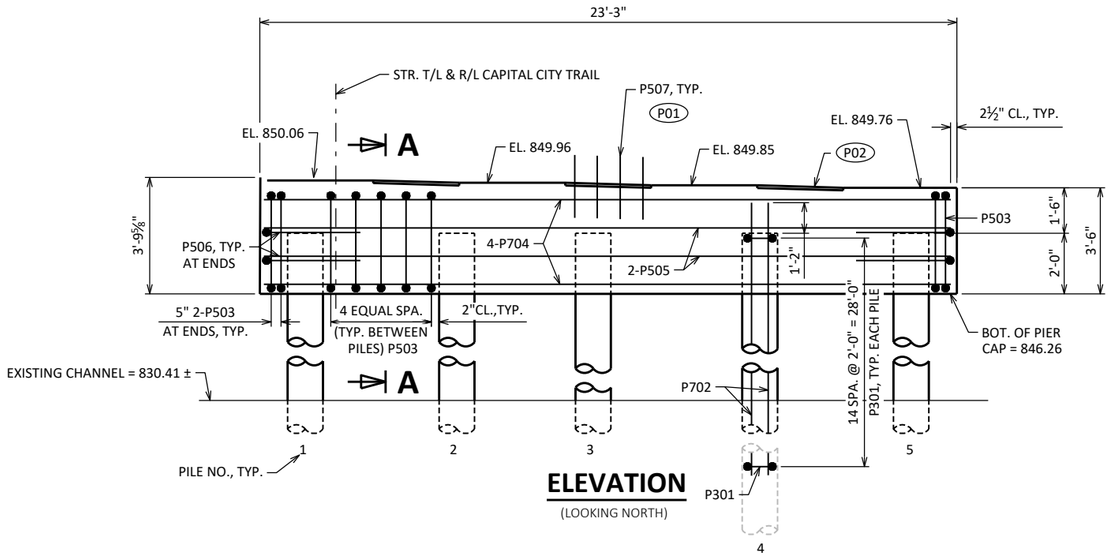
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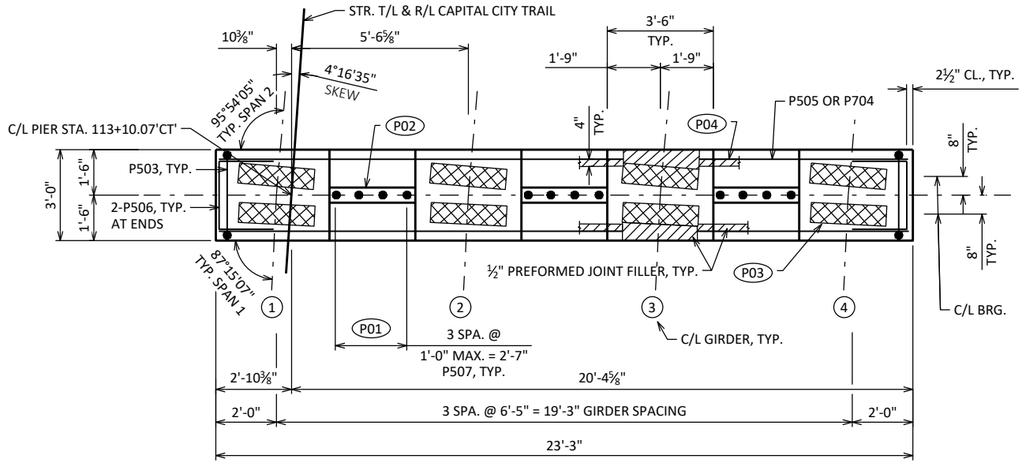
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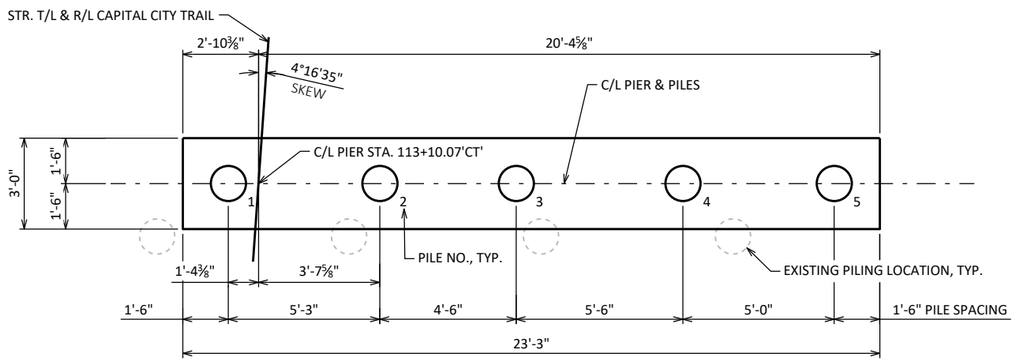
STATE PROJECT NUMBER

5992-11-28





PLAN



PILE PLAN

N

LEGEND

- (P01) P507 BARS MAY BE PLACED AFTER THE CONCRETE IS POURED, BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- (P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" x 6" BETWEEN BEAM SEATS.
- (P03) NON-LAMINATED ELASTOMERIC BEARING PAD, TYP. SEE "SUPERSTRUCTURE DETAILS" SHEET.
- (P04) 4" X ½" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.
- ◯ 18 X 0.5-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 380 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LENGTH = 105 FEET.
- (#) INDICATES GIRDER NUMBER

NOTES

SEE "SUBSTRUCTURE DETAILS" SHEET FOR ADDITIONAL PILING DETAILS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

PIER

SHEET 13
1272

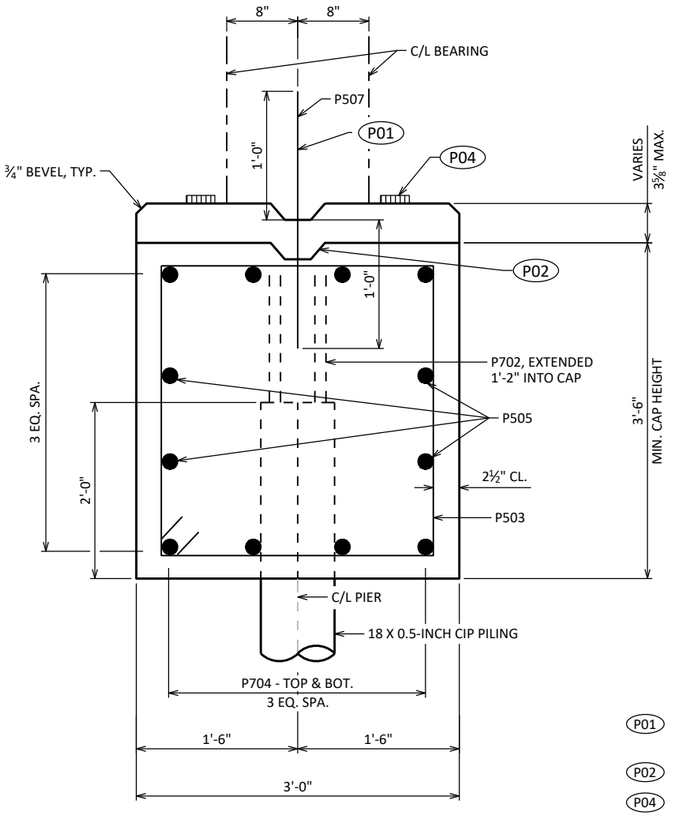
SCALE =

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STATE PROJECT NUMBER

5992-11-28



SECTION A-A

BILL OF BARS

TOTAL UNCOATED = 4,640 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
P301	75	5'-0"		X	PILES TIES
P702	60	30'-0"			PILES LONGIT.
P503	24	12'-0"		X	CAP STIRRUPS
P704	8	22'-10"			CAP HORIZ. TOP & BOT.
P505	4	22'-10"			CAP HORIZ. SIDES
P506	4	5'-1"		X	CAP STIRRUPS ENDS
P507	12	2'-0"			CAP VERT. TIES TO DIAPHRAGM

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

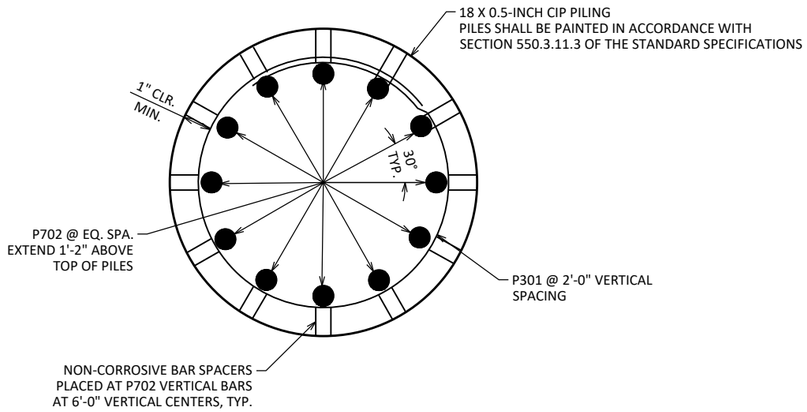
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.

LEGEND

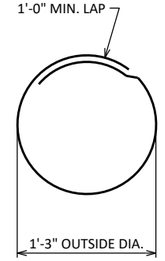
(P01) P507 BARS MAY BE PLACED AFTER CONCRETE IS POURED, BUT BEFORE INTIAL SET HAS TAKEN PLACE.

(P02) KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2" X6" BETWEEN SEATS.

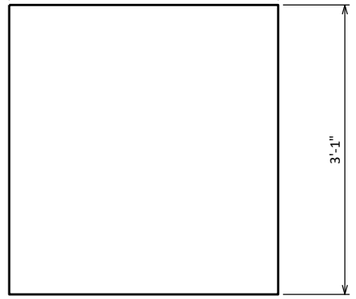
(P04) 4" X 1/2" PREFORMED JOINT FILLER, EXTEND BETWEEN EXTERIOR GIRDERS.



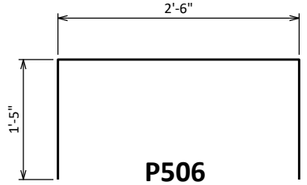
SECTION THRU CONCRETE CAST-IN-PLACE PILING



P301



P503



P506

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

PIER DETAILS

SHEET 14
1273

SCALE = 4.0

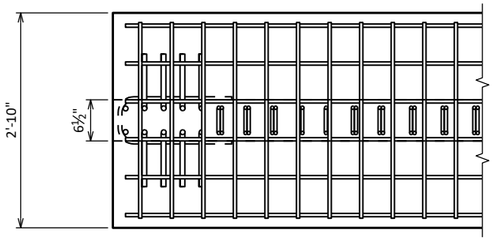
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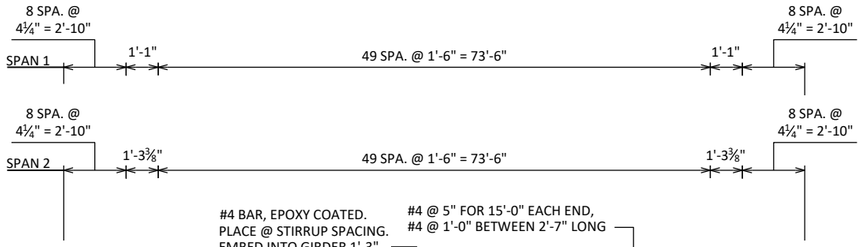
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LAYOUT NAME - SHT2C

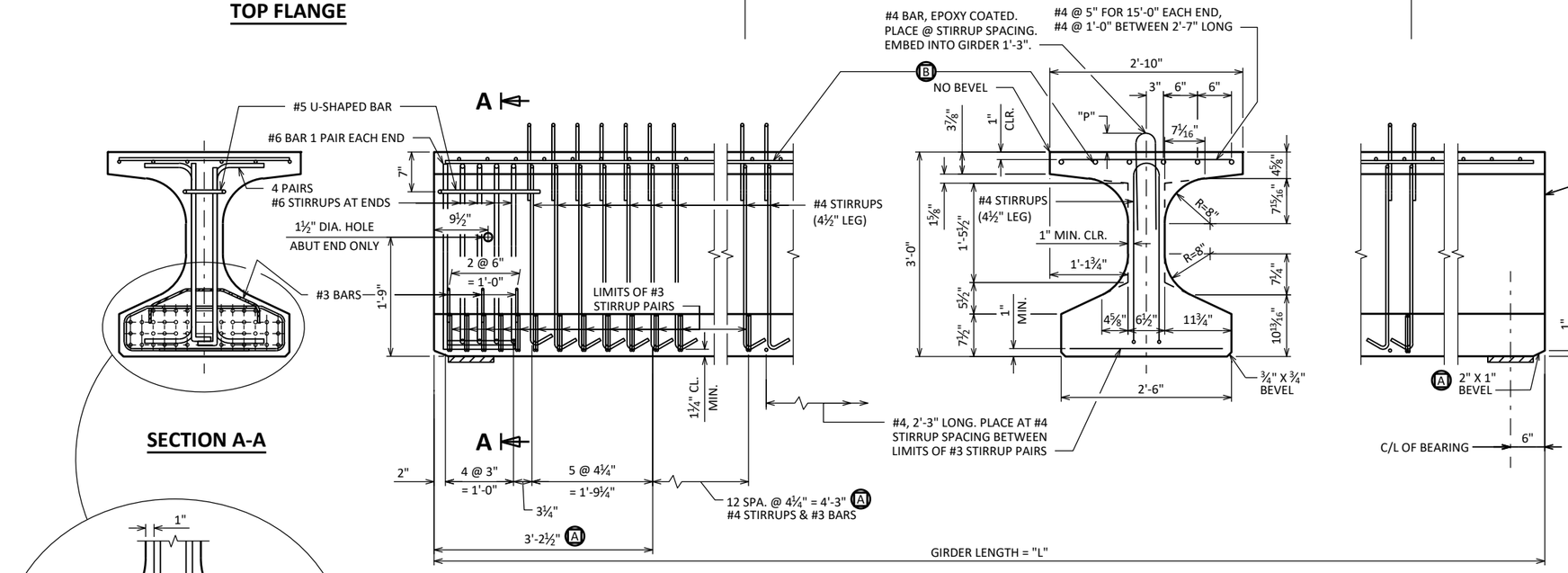
STATE PROJECT NUMBER

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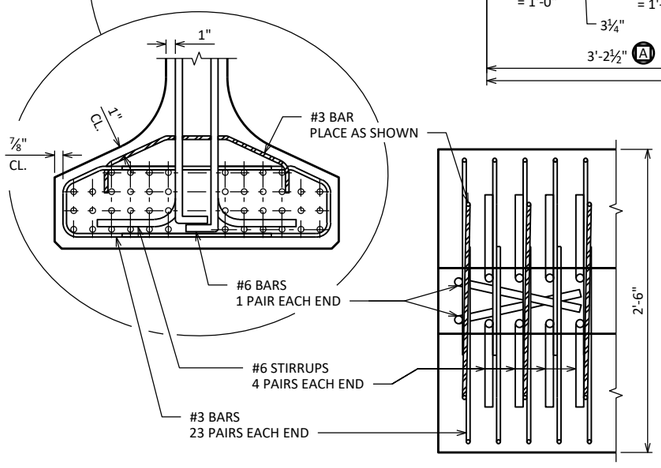


TOP FLANGE





SECTION A-A



BOTTOM FLANGE

SIDE VIEW & TYPICAL SECTION IN SPAN

(A) DETAIL TYP. AT EACH END

(B) 6 #4 BARS, FULL LENGTH, MIN. LAP = 1'-11" SPANS 1 & 2

NOTES

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY, EXCEPT THE OUTSIDE 8" OF GIRDER, WHICH SHALL RECEIVE A SMOOTH FINISH. AN APPROVED CONCRETE SEALER SHALL BE APPLIED TO ALL SMOOTH SURFACES INCLUDING THE OUTSIDE 8" OF THE TOP FLANGE.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. SEE SECT. 503.3.4 OF STANDARD SPECIFICATIONS FOR GUIDANCE.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. FOR GIRDER ENDS EMBEDDED COMPLETELY IN CONCRETE, END OF STRANDS SHALL BE COATED WITH NON-BITUMINOUS JOINT SEALER. FOR GIRDER ENDS THAT ARE FINALLY EXPOSED, COAT THE GIRDER ENDS, EXPOSED STRAND ENDS AND ALL NON-BONDING SURFACES WITHIN 2 FEET OF THE GIRDER ENDS WITH A NON-PIGMENTED EPOXY CONFORMING TO AASHTO M-235 TYPE III, GRADE 2, CLASS B OR C. THE EPOXY SHALL BE APPLIED AT LEAST 3 DAYS AFTER MOIST CURING HAS CEASED AND PRIOR TO THE APPLICATION OF THE SEALER.

ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

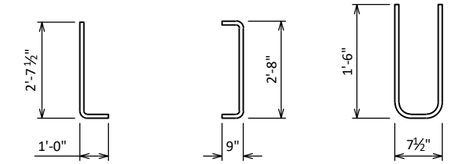
SPACING SHOWN FOR #4 STIRRUPS IS FOR GRADE 60 REINFORCEMENT.

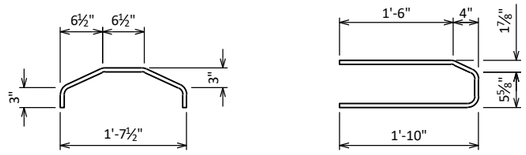
AN EQUIVALENT OF WELDED WIRE FABRIC (WWF) ASTM A1064 MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON ACCEPTANCE OF THE STRUCTURES MAINTENANCE SECTION. IF USED, WWF SUBSTITUTION DETAILS SHALL BE SUBMITTED ELECTRONICALLY TO THE WISDOT FABRICATION LIBRARY AND ACCEPTED PRIOR TO SHOP DRAWING SUBMITTAL.

PRESTRESSING STRANDS SHALL BE (0.6" DIA.)-7 WIRE LOW-RELAXATION STRANDS WITH AN ULTIMATE STRENGTH OF 270,000 PSI.

FOR DIAPHRAGM & CONNECTION DETAILS SEE "STEEL DIAPHRAGM" SHEET.

DO NOT APPLY CONCRETE SEALER OR EPOXY TO SURFACES RECEIVING APPLICATION OF CONCRETE STAINING.





⚹ MINIMUM CYLINDER STRENGTH OF CONCRETE AT TIME OF TRANSFER OF PRESTRESS FORCE

⚹⚹ SEE DEAD LOAD DEFLECTION DIAGRAM ON SHEET "36W PRESTRESSED GIRDER DETAILS"

GIRDER DATA

SPAN	GIRDER	GIRDER LENGTH "L" (FEET)	DEAD LOAD DEFL. (IN.) ⚹⚹ 1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	CONC. STRGTH. f'c (P.S.I.)	"P" (IN.) 1ST ⅓ OF GIRDER	MID ⅓ OF GIRDER	END ⅓ OF GIRDER	DIA. OF STRAND (IN.)	DRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹	(IN.) "A"	"B" MIN.	"B" MAX.	"C"	UNDRAPED PATTERN TOTAL NO. OF STRANDS	f'ci (P.S.I.) ⚹
1	2,3	96'-3"	¾"	1⅜"	1⅞"	2⅛"	2¼"	2⅛"	1⅞"	1⅜"	¾"	8,000	7"	7"	7"	0.6	24	6,800	32	11	14	4	---	---
1	1,4	96'-3"	⅝"	1¼"	1¾"	2"	2⅛"	2"	1¾"	1¼"	⅝"	8,000	7"	7"	7"	0.6	24	6,800	32	11	14	4	---	---
2	2,3	96'-7¾"	¾"	1⅜"	1⅞"	2⅛"	2¼"	2⅛"	1⅞"	1⅜"	¾"	8,000	7"	7"	7"	0.6	24	6,800	32	11	14	4	---	---
2	1,4	96'-7¾"	⅝"	1¼"	1¾"	2⅛"	2¼"	2⅛"	1¾"	1¼"	¾"	8,000	7"	7"	7"	0.6	24	6,800	32	11	14	4	---	---

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

36W" PRESTRESSED GIRDER

SHEET 15
1274

SCALE = 2.0

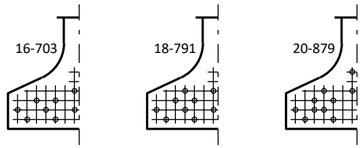
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080615_GR.DWG
LAYOUT NAME - 36W PS GIRDER

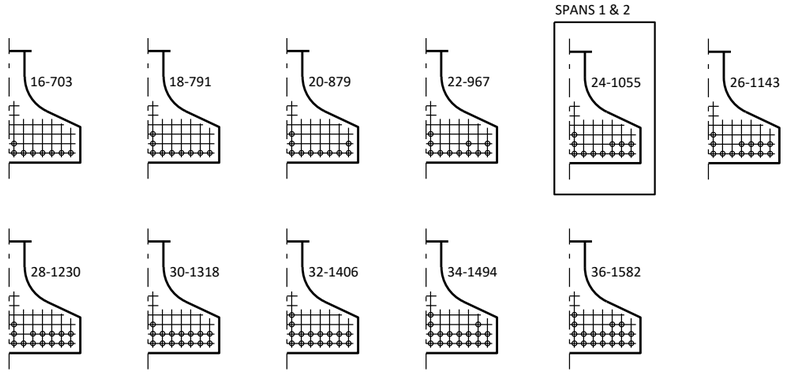
STATE PROJECT NUMBER

5992-11-28



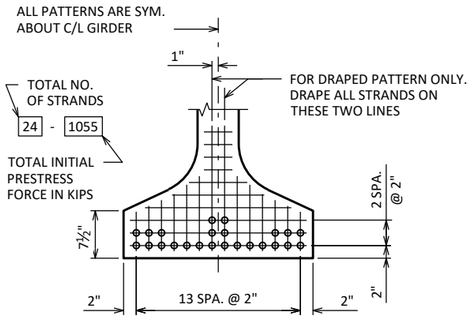
STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPING OF STRANDS

0.6" DIA. STRANDS

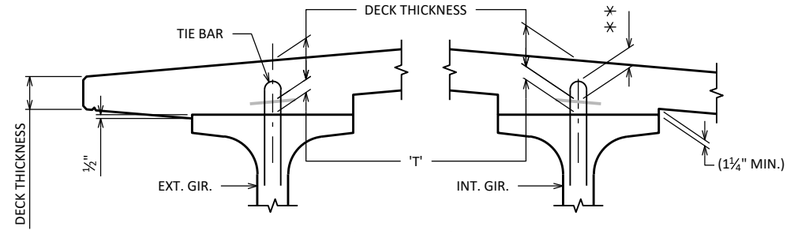


ARRANGEMENT AT C/L SPAN - FOR GIRDERS WITH DRAPED STRANDS

0.6" DIA. STRANDS



TYP. STRAND PATTERN



DECK HAUNCH DETAIL

IF 1¼" MINIMUM HAUNCH HEIGHT AT EDGE OF GIRDER CANNOT BE MAINTAINED, THE GRADE LINE MAY BE REVISED BY THE ENGINEER AT THE OPTION OF THE CONTRACTOR. THE PLAN DECK THICKNESS SHALL BE HELD. NOTIFY THE STRUCTURES SECTION IF THE

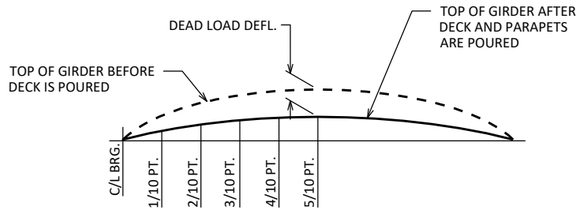
⁎ GRADE LINE IS RAISED FROM THE PLAN PROFILE BY MORE THAN ½" OR,

⁎⁎ IF 3" MINIMUM DECK EMBEDMENT OF TIE BAR CANNOT BE OBTAINED.

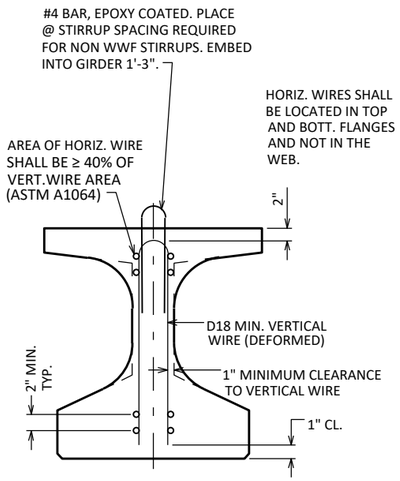
TO DETERMINE 'T', ELEV. OF TOP OF GIR'S. AT C/L OF SUBSTRUCTURE UNITS & AT 1/10 POINTS OF EACH SPAN SHALL BE TAKEN. THEN FOLLOW THIS PROCESS:

	TOP OF DECK ELEV. AT FINAL GRADE
-	TOP OF GIRDER ELEVATION
+	DEAD LOAD DEFLECTION
-	DECK THICKNESS
=	HAUNCH HEIGHT 'T'

NOTE: AN AVERAGE HAUNCH ('T') OF 2½' WAS USED IN THE QUANTITY "HPC MASONRY STRUCTURES".

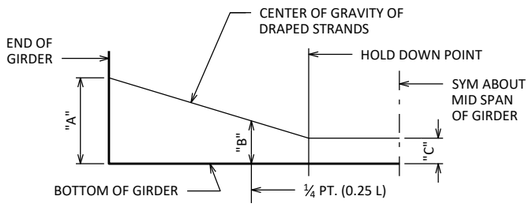


CAMBER AND DEAD LOAD DEFLECTION DIAGRAM



SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS ASTM A1064 (FY = 70 KSI)



DRAPED STRAND PROFILE

⁎ THE THEORETICAL INITIAL CAMBER VALUE AT THE TIME OF STRAND RELEASE AT MIDSPAN MULTIPLIED BY A FACTOR OF 1.4 TO ACCOUNT FOR CAMBER GROWTH FROM THE TIME OF STRAND RELEASE TO JOBSITE PLACEMENT.

SPAN	DRAPED PATTERN CAMBER (IN.) ⁎
1	2.41
2	2.40

THESE VALUES ARE NOT TO BE USED IN DETERMINING 'T', USE ACTUAL GIRDER SHOTS.

THESE VALUES ARE FOR INFORMATIONAL PURPOSES ONLY.

8

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

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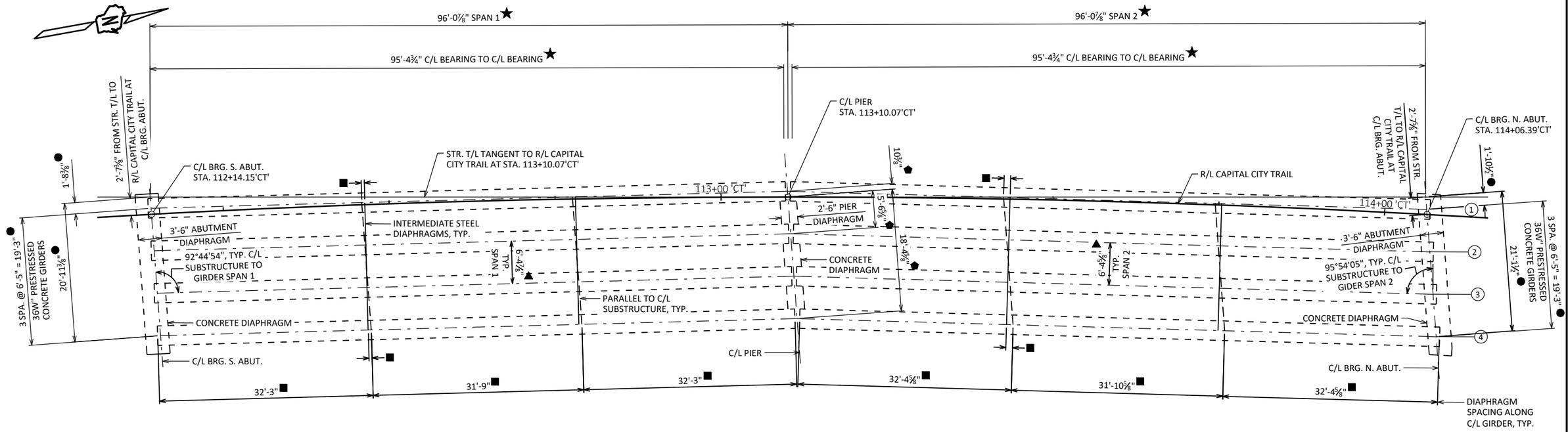
36W" PRESTRESSED GIRDER DETAILS

SHEET 16
1275

SCALE = 2.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080616_GR.DWG
LAYOUT NAME - STRAND DRAPING & PATTERNS

STATE PROJECT NUMBER
5992-11-28



FRAMING PLAN

TOP OF DECK ELEVATIONS

LOCATION	S. ABUT.	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	PIER
WEST EDGE OF DECK	854.66	854.59	854.53	854.46	854.39	854.33	854.26	854.19	854.12	854.06	853.99
GIRDER 1	854.64	854.57	854.51	854.44	854.36	854.30	854.23	854.16	854.10	854.04	853.97
GIRDER 2	854.55	854.47	854.41	854.34	854.27	854.20	854.14	854.07	854.00	853.93	853.88
GIRDER 3	854.45	854.38	854.30	854.24	854.17	854.10	854.03	853.97	853.90	853.84	853.77
GIRDER 4	854.36	854.28	854.21	854.14	854.08	854.01	853.94	853.87	853.80	853.74	853.67
EAST EDGE OF DECK	854.33	854.26	854.19	854.12	854.06	853.99	853.92	853.85	853.78	853.72	853.65

LOCATION	PIER	1/10	2/10	3/10	4/10	5/10	6/10	7/10	8/10	9/10	N. ABUT.
WEST EDGE OF DECK	853.99	853.92	853.85	853.79	853.72	853.65	853.58	853.52	853.45	853.38	853.31
GIRDER 1	853.97	853.90	853.83	853.76	853.69	853.62	853.55	853.49	853.43	853.36	853.29
GIRDER 2	853.87	853.80	853.73	853.66	853.59	853.53	853.46	853.39	853.32	853.26	853.20
GIRDER 3	853.77	853.70	853.63	853.56	853.49	853.42	853.35	853.29	853.22	853.16	853.09
GIRDER 4	853.67	853.60	853.53	853.46	853.40	853.33	853.26	853.19	853.12	853.05	853.00
EAST EDGE OF DECK	853.65	853.58	853.51	853.44	853.37	853.31	853.24	853.17	853.10	853.03	852.96

INTERMEDIATE DIAPHRAGM OFFSETS ■

GIRDER NUMBER	OFFSET	
	SPAN 1	SPAN 2
1	5 1/2"	11 7/8"
2	1 7/8"	4"
3	1 7/8"	4"
4	5 1/2"	11 7/8"

LEGEND

★ DIMENSION MEASURED ALONG STR. T/L

■ DIMENSION MEASURED ALONG C/L OF GIRDER

● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF BEARING.

⬟ DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE. DIMENSIONS MEASURED FROM THE STR. T/L ARE MEASURED AT THE C/L OF PIER.

▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER C/L

NOTES

GIRDER ENDS ARE TO EXTEND 6" PAST C/L BEARING.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE FRAMING PLAN

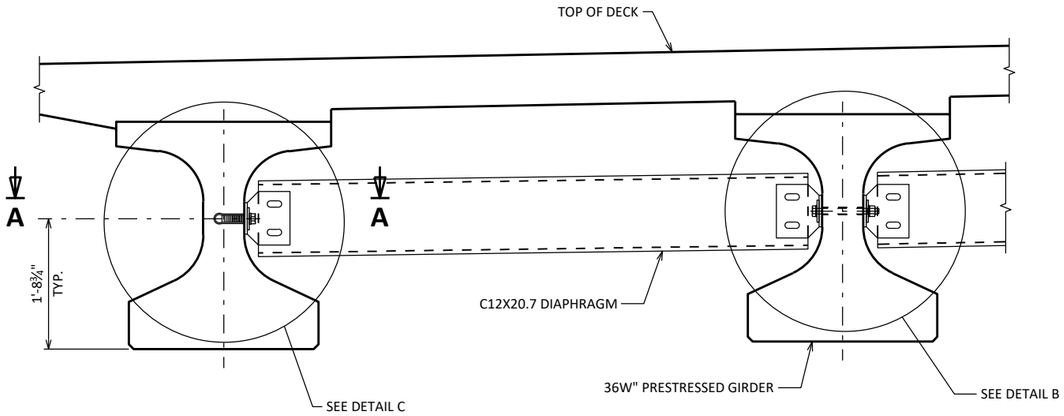
SHEET 17
1276

8

8

STATE PROJECT NUMBER

5992-11-28



EXTERIOR GIRDER **INTERIOR GIRDER**

PART TRANSVERSE SECTION AT DIAPHRAGM

NOTES

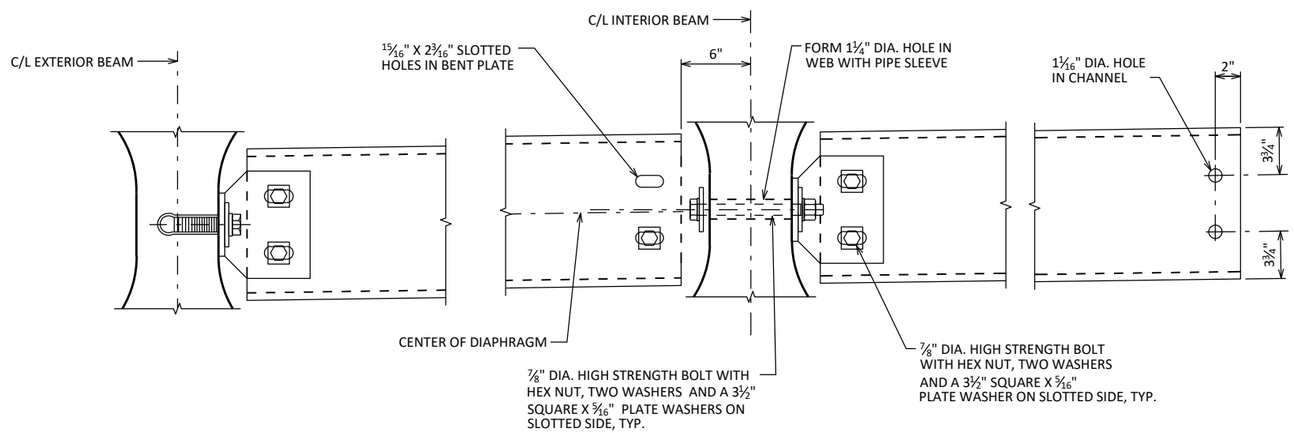
ALL DIAPHRAGM MATERIAL NOT EMBEDDED IN THE CONCRETE GIRDER SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STEEL DIAPHRAGMS B-13-934", EACH.

EACH DIAPHRAGM BETWEEN GIRDERS SHALL CONSTITUTE ONE UNIT.

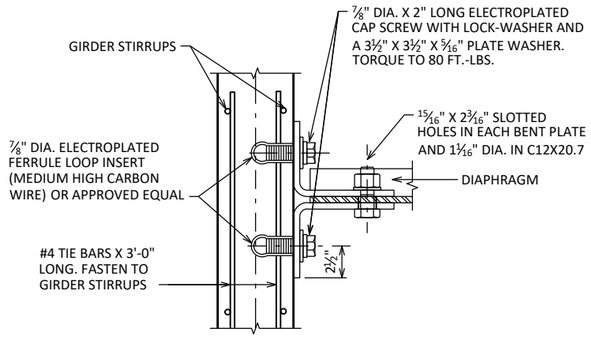
ALL DIAPHRAGM STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

ALL DIAPHRAGM MATERIAL INCLUDING BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION.

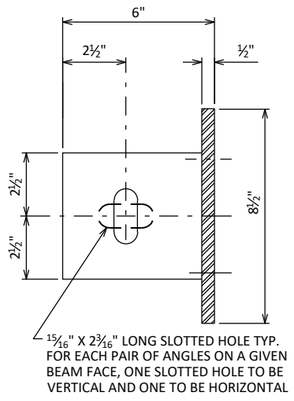
STEEL DIAPHRAGM TO CONCRETE WEB CONNECTION SHALL BE SNUG-TIGHT PLUS ¼ TURN, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS FOR WEB CONNECTION SHALL MEET THE REQUIREMENTS FOR ASTM A325 OR ASTM A449.



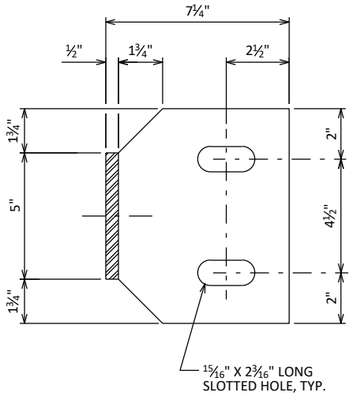
DETAIL C **DETAIL B**



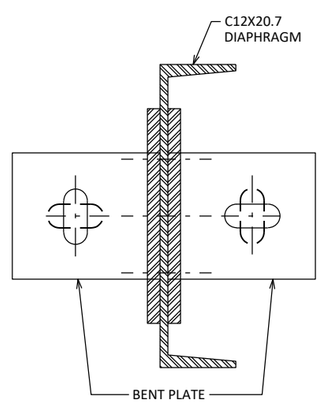
SECTION A-A
(FOR EXTERIOR ATTACHMENT)



BEAM FACE



DIAPHRAGM FACE



ATTACHMENT TO CHANNEL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

STEEL DIAPHRAGM

SHEET 18
1277

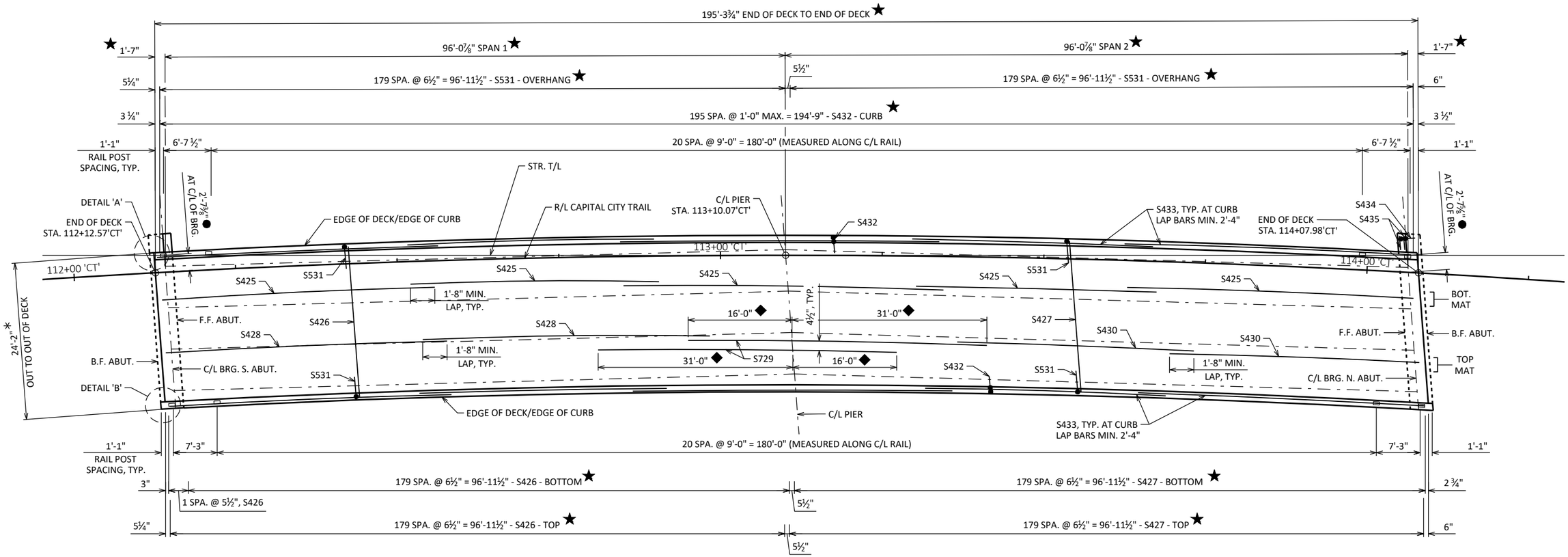
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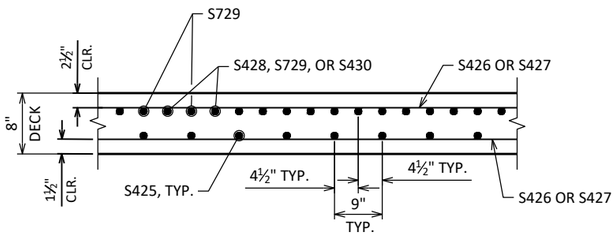
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080618_SD.DWG
LAYOUT NAME - SHT2C

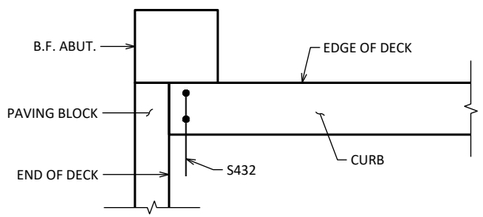
STATE PROJECT NUMBER
5992-11-28



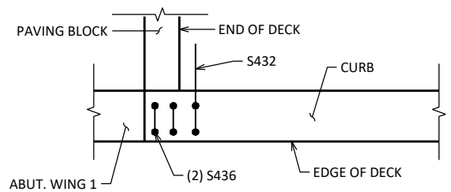
PLAN



CROSS SECTION THRU DECK AT PIER



DETAIL "A"



DETAIL "B"

NOTES

LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK AND PARAPET ARE PLACED PARALLEL WITH C/L OF ABUTMENT AND C/L OF PIER. TRANSVERSE BAR SPACING IS MEASURED PERPENDICULAR TO THE STRUCTURE TANGENT LINE.

LEGEND

- ★ DIMENSION MEASURED ALONG 'CT' TANGENT LINE
- ◆ DIMENSION MEASURED PARALLEL TO GIRDER
- ⁎ DIMENSION MEASURED RADIALLY
- ● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE PLAN

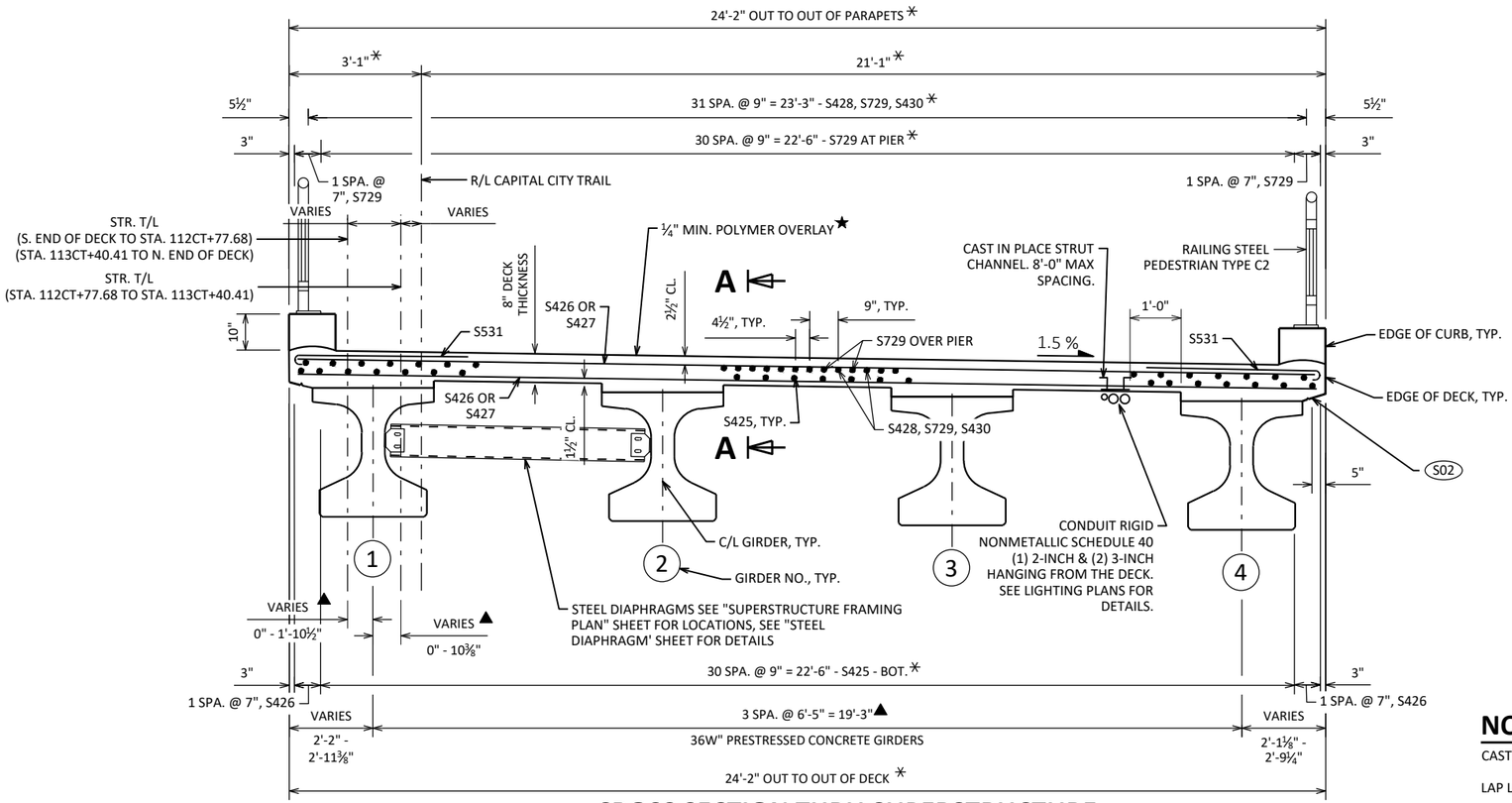
SHEET 19
1278

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8

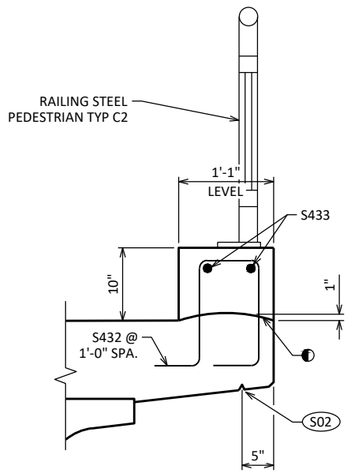
STATE PROJECT NUMBER

5992-11-28

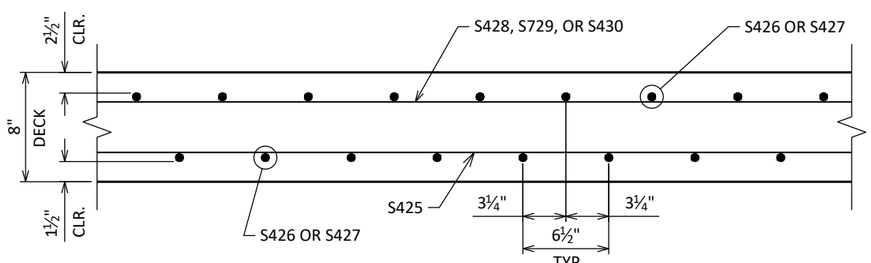


CROSS SECTION THRU SUPERSTRUCTURE

LOOKING NORTH



SECTION THRU 10-INCH CURB ON BRIDGE



SECTION A-A

(BAR SPACING DIMENSIONS SHOWN ARE MEASURED ALONG THE STRUCTURE T/L)

NOTES

CAST S432 BARS INTO DECK PRIOR TO POURING CURBS.

LAP LONGITUDINAL NO. 4 BARS IN CURB AT 2'-4" MIN.

LONGITUDINAL BARS ARE TO BE PLACED CONCENTRIC WITH THE ROADWAY ALIGNMENT. LONGITUDINAL BAR SPACING IS MEASURED RADIALLY.

TRANSVERSE BARS IN THE DECK AND CURB ARE PLACED PARALLEL WITH C/L OF ABUTMENT AND C/L OF PIER. TRANSVERSE BAR SPACING IS MEASURED PERPENDICULAR TO THE STRUCTURE TANGENT LINE.

LEGEND

- (S02) ¾" V-GROOVE REQUIRED. EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUTMENT DIAPHRAGM (TYP. EACH SIDE).
- ◐ CONST. JT. - STRIKE OFF AS SHOWN
- * DIMENSION MEASURED RADIALLY TO ALIGNMENT
- ▲ DIMENSION MEASURED PERPENDICULAR TO GIRDER LINE
- ★ SEE "GENERAL NOTES, PROFILES & DETAILS" SHEET FOR REQUIRED TRANSITION AT DECK ENDS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE CROSS SECTION

SHEET 20
1279

SCALE = 6.0

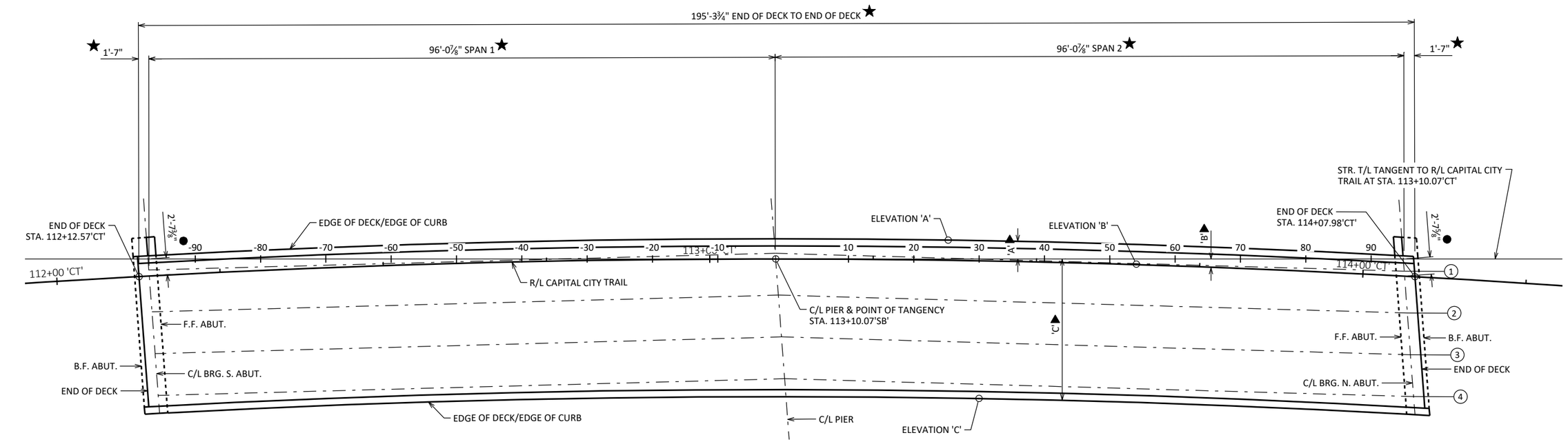
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8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080620_SS.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER

5992-11-28



TANGENT OFFSET PLAN

TANGENT OFFSET AND ELEVATION TABLE

DISTANCE	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
OFFSET 'A'	0.79	1.27	1.70	2.07	2.38	2.63	2.83	2.97	3.06	3.08	3.06	2.97	2.83	2.63	2.38	2.07	1.70	1.27	0.79
ELEVATION 'A'	854.62	854.55	854.48	854.41	854.34	854.27	854.20	854.13	854.06	853.99	853.92	853.85	853.78	853.71	853.64	853.57	853.50	853.43	853.36
OFFSET 'B'	2.30	1.81	1.39	1.02	0.71	0.45	0.26	0.11	0.03	0.00	0.03	0.11	0.26	0.45	0.71	1.02	1.39	1.81	2.30
ELEVATION 'B'	854.59	854.52	854.45	854.38	854.31	854.24	854.17	854.10	854.03	853.96	853.89	853.82	853.75	853.68	853.61	853.54	853.47	853.40	853.33
OFFSET 'C'	23.41	22.92	22.49	22.12	21.80	21.54	21.34	21.20	21.11	21.08	21.11	21.20	21.34	21.54	21.80	22.12	22.49	22.92	23.41
ELEVATION 'C'	854.30	854.23	854.16	854.08	854.01	853.94	853.87	853.80	853.73	853.66	853.59	853.52	853.45	853.37	853.30	853.23	853.16	853.09	853.02

LEGEND

★ DIMENSION MEASURED ALONG STR. T/L

● DIMENSION MEASURED PARALLEL TO C/L OF SUBSTRUCTURE

▲ DIMENSION MEASURED PERPENDICULAR TO T/L

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D WAH

SUPERSTRUCTURE LAYOUT

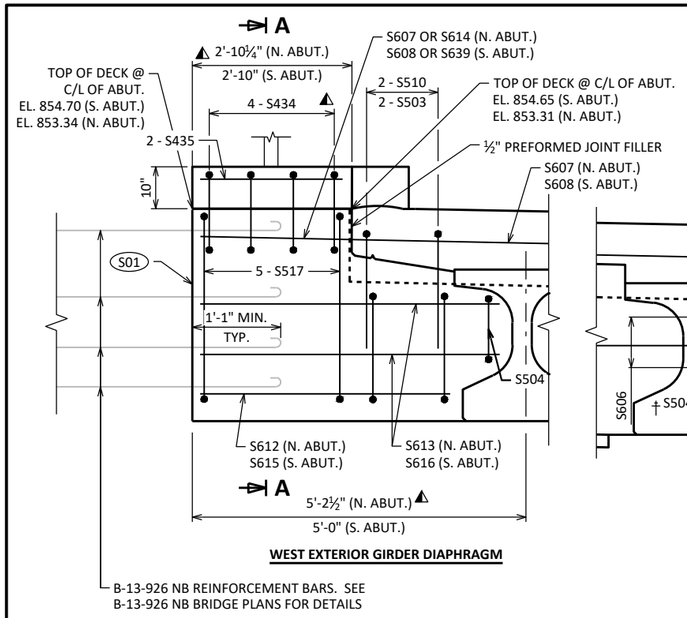
SHEET 21
1280

8

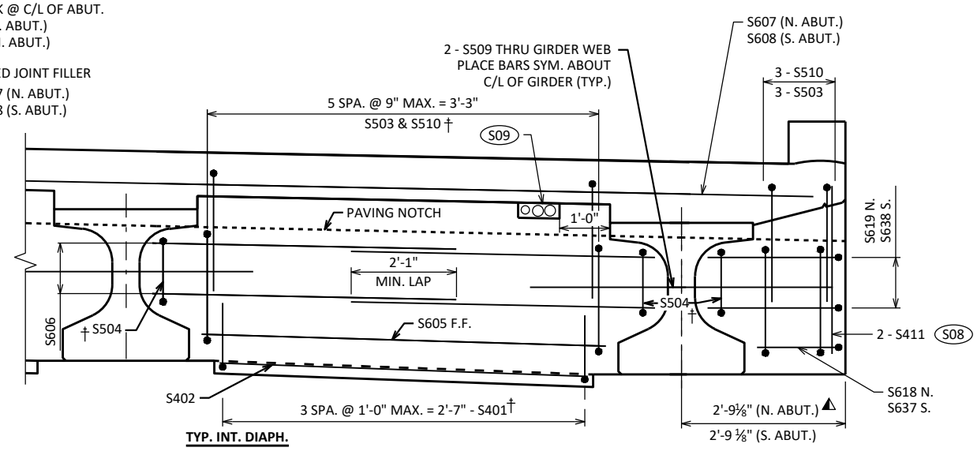
8

STATE PROJECT NUMBER

5992-11-28



WEST EXTERIOR GIRDER DIAPHRAGM



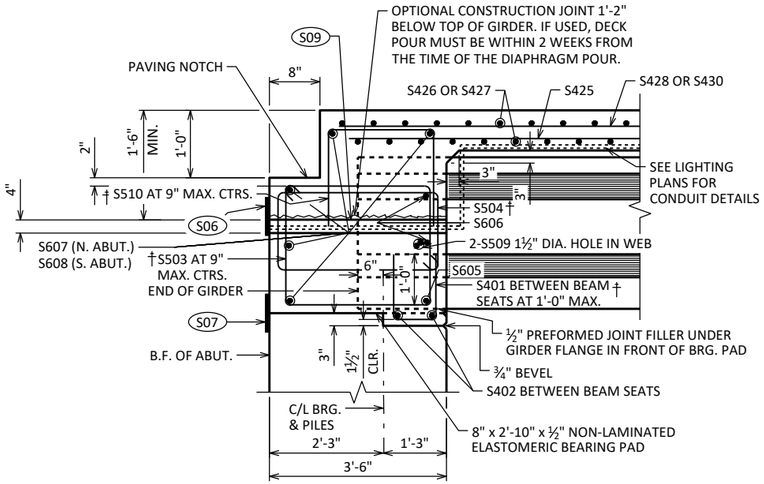
TYP. INT. DIAPH.

EAST EXTERIOR GIRDER DIAPHRAGM

END DIAPHRAGMS

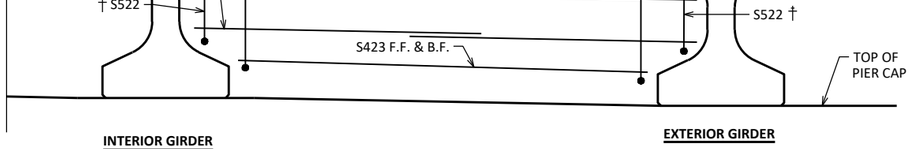
LOOKING NORTH AT NORTH ABUTMENT
(SOUTH ABUTMENT SIMILAR)

N. ABUT. AT WINGWALL 4
(S. ABUT. AT WINGWALL 1 SIMILAR)

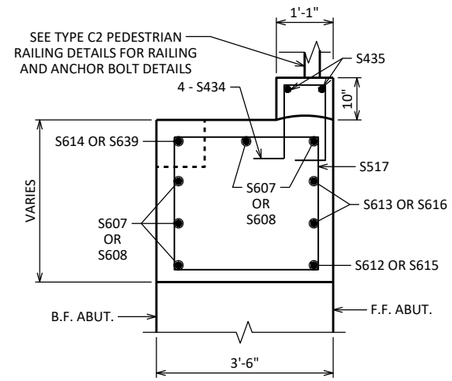


PARTIAL LONGITUDINAL SECTION AT ABUTMENTS

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

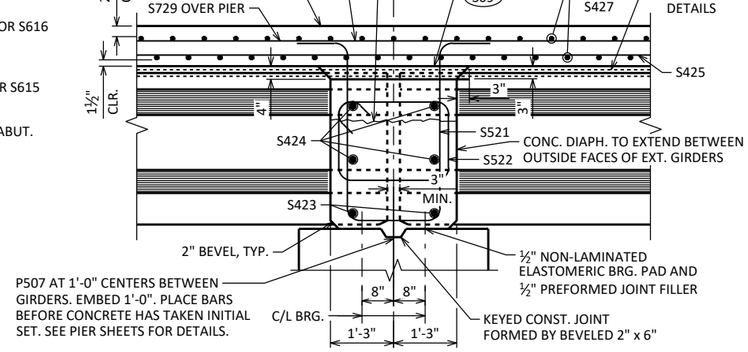


INTERIOR GIRDER **EXTERIOR GIRDER**



SECTION A-A

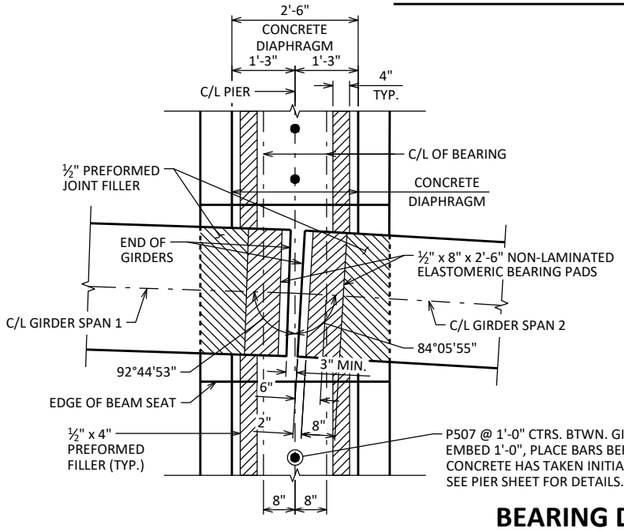
(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)



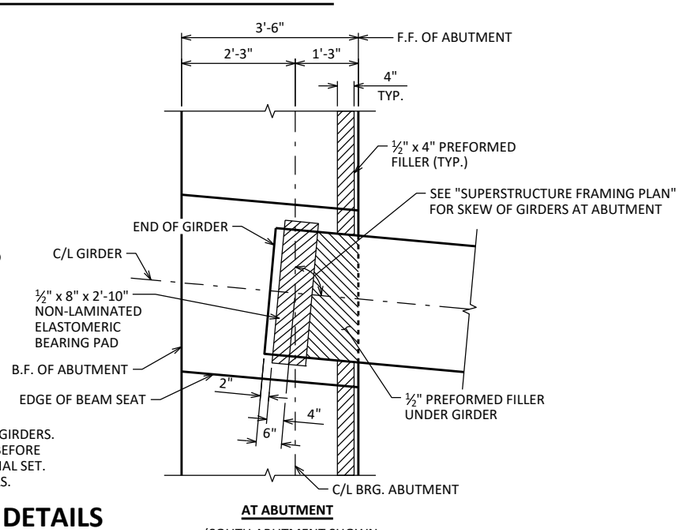
PARTIAL LONGITUDINAL SECTION AT PIER

(ALL DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE)

PART. TRANS. SECTION AT DIAPHRAGM PIER



AT PIER



AT ABUTMENT

BEARING DETAILS

(DIMENSIONS ARE NORMAL TO C/L OF SUBSTRUCTURE UNLESS NOTED OTHERWISE)

(SOUTH ABUTMENT SHOWN, NORTH ABUTMENT SIMILAR)

LEGEND

- (S01) KEYED CONSTRUCTION JOINT FORMED BY A BEVELED 2" X 8" KEYWAY. BEVEL EXPOSED EDGES ¾". REINFORCEMENT EXTENDS THROUGH JOINT.
- (S06) RUBBERIZED MEMBRANE WATERPROOFING IF CONST. JOINT IS USED (COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY BRIDGES")
- (S07) RUBBERIZED MEMBRANE WATERPROOFING
- (S08) PLACED AT MIDDLE THIRDS OF DIAPHRAGM END
- (S09) PROVIDE 1'-1 ½" X 4" BOX OUT FOR CONDUIT. CAULK AROUND CONDUIT AFTER IT IS PLACED. SEE LIGHTING PLANS FOR DETAILS.
- † BARS PLACED PARALLEL TO GIRDERS. SPACING PERPENDICULAR TO C/L OF GIRDERS
- ◭ DIMENSION TAKEN AT C/L OF ABUTMENT AND PARALLEL TO C/L OF ABUTMENT.
- ◹ BARS PLACED PERPENDICULAR TO C/L OF PIER. SPACING IS PARALLEL TO C/L OF PIER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE DETAILS

SHEET 22
1281

SCALE = 3.0

8

8

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080622_SS.DWG
LAYOUT NAME - SHT2C

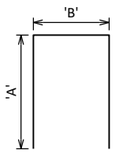
STATE PROJECT NUMBER

5992-11-28

BILL OF BARS

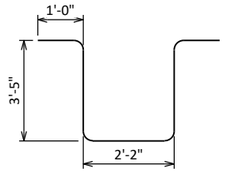
TOTAL COATED = 33,160 LBS.

BAR MARK	NO. REQ'D	LENGTH	COAT	BENT	LOCATION
S 401	24	3'-5"	X	X	ABUT. DIAPH. BOT. BTWN. GIRDERS
S 402	12	2'-7"	X		ABUT. DIAPH. BOT. BTWN. GIRDERS
S 503	46	12'-2"	X	X	ABUT. DIAPH. STIRRUP
S 504	16	9'-10"	X	X	ABUT. DIAPH. STIRRUP
S 605	6	3'-7"	X		ABUT. DIAPH. BOT. F.F.
S 606	24	3'-10"	X		ABUT. DIAPH. F.F.
S 607	5	26'-4"	X		N. ABUT. DIAPH. BACK & TOP
S 608	5	26'-8"	X		S. ABUT. DIAPH. BACK & TOP
S 509	16	6'-0"	X		ABUT. DIAPH. THRU GIRDER WEB
S 510	46	6'-3"	X	X	ABUT. DIAPH. VERT.
S 411	4	3'-8"	X		ABUT. DIAPH. VERT.
S 612	1	3'-6"	X		ABUT. DIAPH. NW. END HORIZ.
S 613	2	4'-3"	X		ABUT. DIAPH. NW. END HORIZ.
S 614	1	2'-6"	X		ABUT. DIAPH. NW. END HORIZ.
S 615	1	3'-5"	X		ABUT. DIAPH. SW. END HORIZ.
S 616	2	4'-2"	X		ABUT. DIAPH. SW. END HORIZ.
S 517	10	14'-2"	X	X	ABUT. DIAPH. W. END STIRRUP
S 618	1	5'-6"	X	X	ABUT. DIAPH. E. END HORIZ. - AT N. ABUT.
S 619	2	7'-0"	X	X	ABUT. DIAPH. E. END HORIZ. - AT N. ABUT.
S 521	15	10'-6"	X	X	PIER DIAPH. STIRRUP
S 522	6	7'-10"	X	X	PIER DIAPH. STIRRUP
S 423	6	3'-7"	X		PIER DIAPH. HORIZ.
S 424	24	3'-4"	X		PIER DIAPH. HORIZ.
S 425	165	40'-6"	X		SLAB BOT. LONGIT.
S 426	361	23'-10"	X		SLAB SPAN 1 TOP & BOT. TRANS.
S 427	360	23'-11"	X		SLAB SPAN 2 TOP & BOT. TRANS.
S 428	64	42'-5"	X		SLAB TOP SPAN 1 LONGIT.
S 729	65	47'-3"	X		SLAB TOP OVER PIER LONGIT.
S 430	64	35'-7"	X		SLAB TOP SPAN 2 LONGIT.
S 531	720	4'-10"	X	X	DECK OVERHANG TRANS.
S 432	392	3'-11"	X	X	CURB STIRRUP
S 433	20	40'-11"	X		CURB LONGIT.
S 434	8	4'-9"	X	X	CURB DIAPH. STIRRUP
S 435	4	2'-4"	X		CURB DIAPH. LONGIT.
S 436	4	4'-7"	X	X	CURB VERT. AT PAVING BLOCK
S 637	1	5'-2"	X	X	ABUT. DIAPH. E. END HORIZ. - AT S. ABUT.
S 638	2	6'-8"	X	X	ABUT. DIAPH. E. END HORIZ. - AT S. ABUT.
S 639	1	3'-6"	X	X	ABUT. DIAPH. W. END HORIZ. - AT S. ABUT.

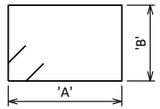


BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S401	1'-4"	11"
S510	2'-0"	2'-6"
S436	2'-0"	9"
S637	1'-2"	3'-2"
S638	1'-11"	3'-2"

S401, S510, S436, S637, S638

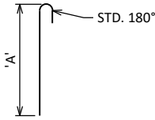


S521



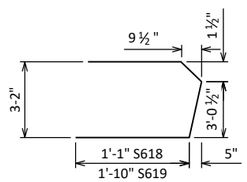
BAR MARK	DIMENSION 'A'	DIMENSION 'B'
S503	3'-2"	2'-7"
S504	3'-2"	1'-5"
S517	3'-2"	3'-7"
S522	2'-2"	1'-5"

S503, S504, S517, S522

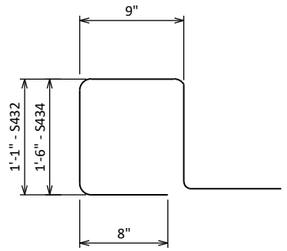


BAR MARK	DIMENSION 'A'
S531	4'-3"

S531



S618, S619



S432, S434

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D WAH

SUPERSTRUCTURE BILL OF BARS

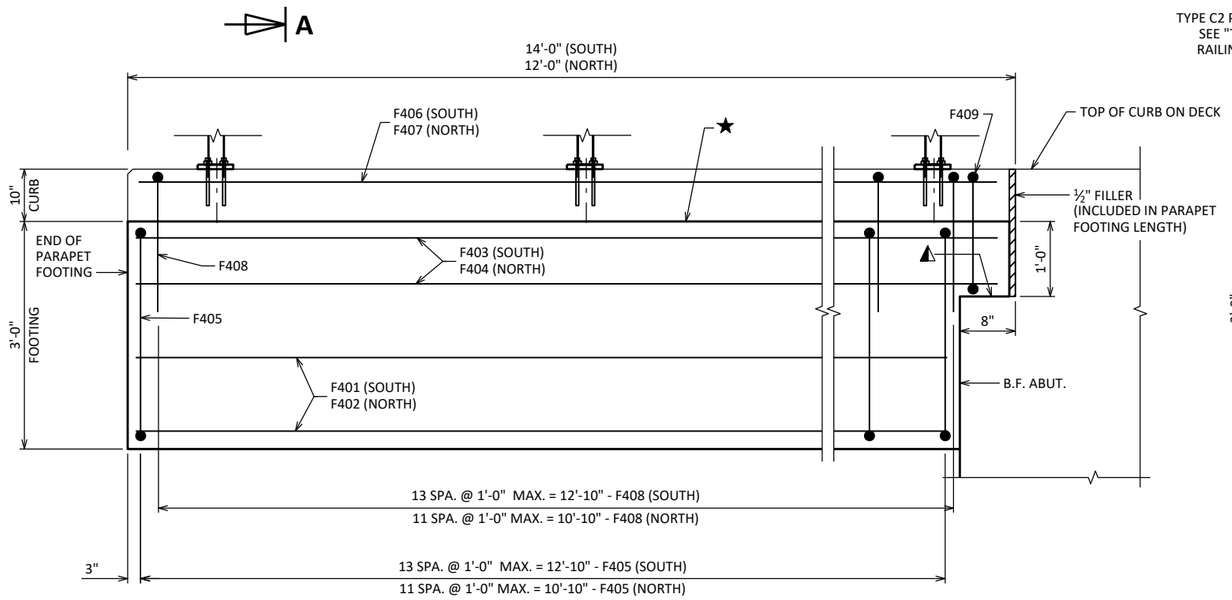
SHEET 23
1282

SCALE = 3.0

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080623_SS.DWG
LAYOUT NAME - SHT2C

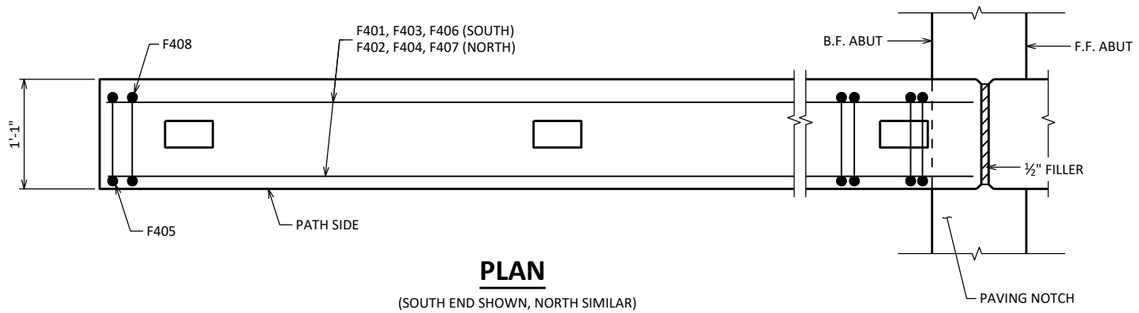
STATE PROJECT NUMBER

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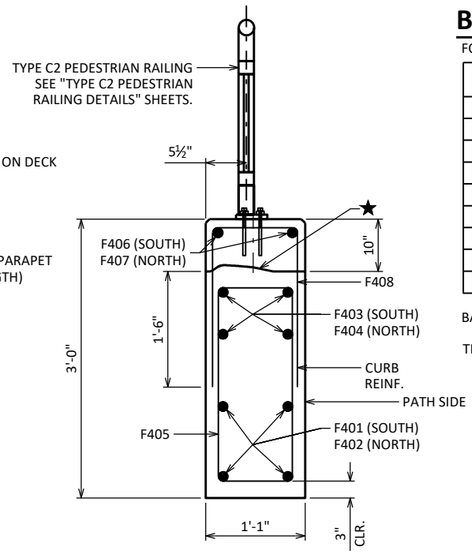
INSIDE ELEVATION

(SOUTH END SHOWN, NORTH SIMILAR)



PLAN

(SOUTH END SHOWN, NORTH SIMILAR)



SECTION A-A

BILL OF BARS

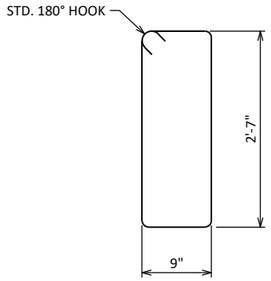
FOR PARAPET FOOTINGS

TOTAL COATED = 390 LBS.

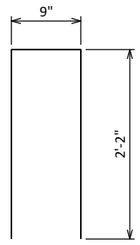
BAR MARK	SOUTH ABUT.	NORTH ABUT.	LENGTH	COAT	BENT	LOCATION
F401	4	--	13'-0"	X		PARAPET FOOTING - HORIZ.
F402	--	4	11'-0"	X		PARAPET FOOTING - HORIZ.
F403	4	--	13'-7"	X		PARAPET FOOTING - HORIZ.
F404	--	4	11'-7"	X		PARAPET FOOTING - HORIZ.
F405	14	12	7'-2"	X	X	PARAPET FOOTING - VERT.
F406	2	--	13'-7"	X		CURB HORIZ.
F407	--	2	11'-7"	X		CURB HORIZ.
F408	14	12	4'-11"	X	X	CURB VERT.
F409	1	1	5'-0"	X	X	PARAPET FOOTING/CURB VERT.

BAR DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

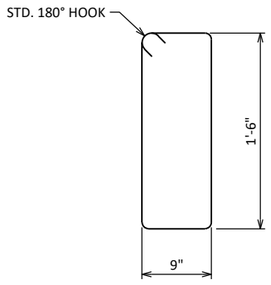
THE FIRST OR FIRST TWO DIGITS OF A BAR MARK SIGNIFIES THE BAR SIZE.



F405



F408



F409

NOTES

⚠ STEEL TROWEL HORIZ. SURFACE OF ABUTMENT PAVING NOTCH. PLACE MULTIPLE LAYERS OF POLYETHYLENE SHEETS BETWEEN PARAPET FOOTING AND HORIZ. SURFACE OF PAVING NOTCH. TOTAL THICKNESS OF SHEETS SHALL BE AT LEAST 0.03".

★ CONSTRUCTION JOINT - STRIKE OFF AND LEAVE ROUGH.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

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PARAPET FOOTING

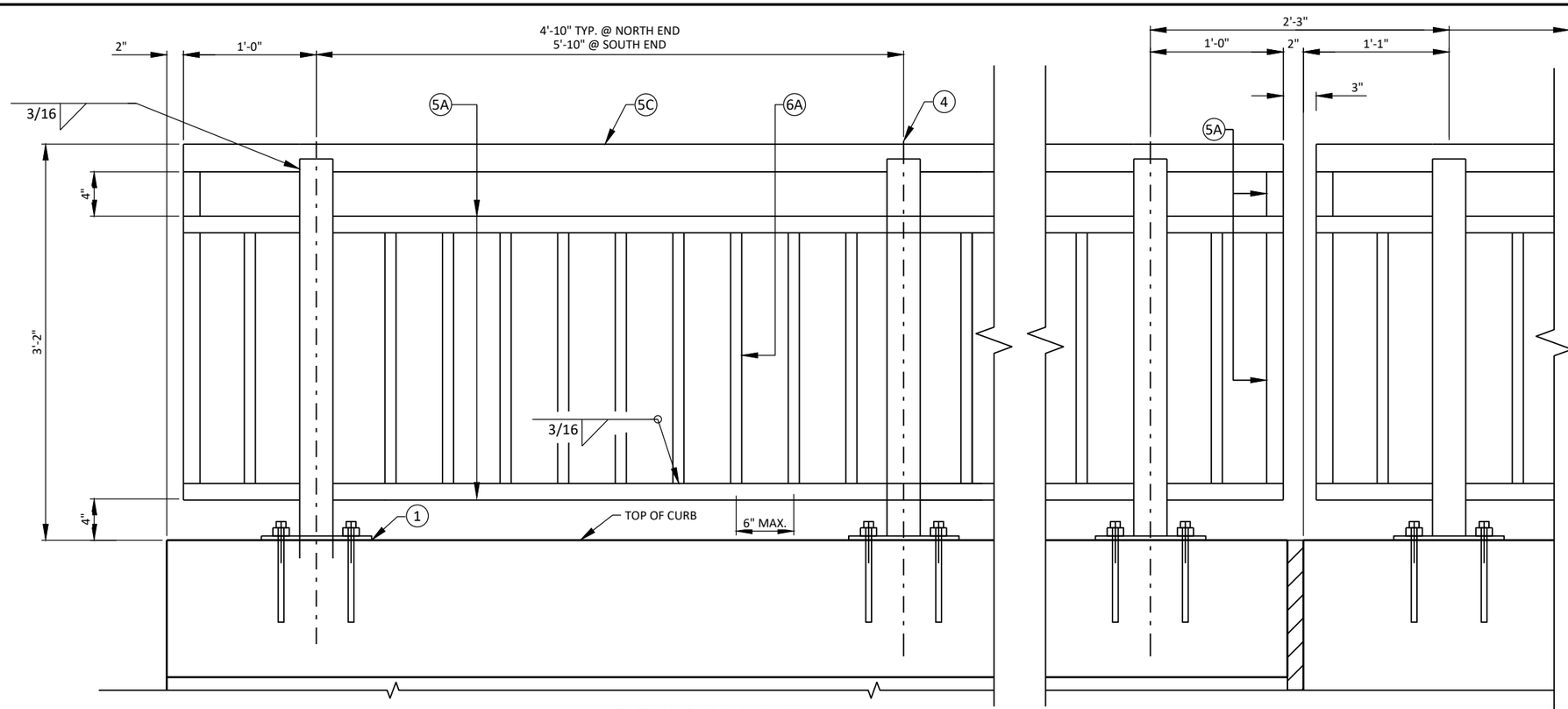
SHEET 24
1283

SCALE = 2.00

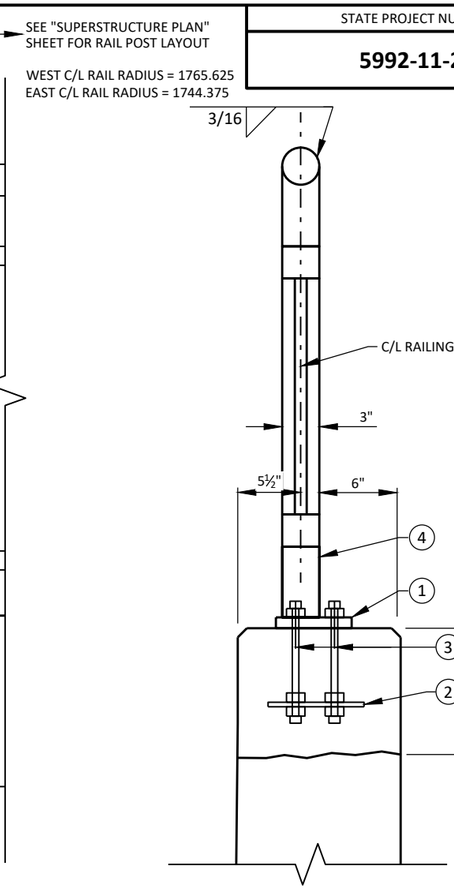
8

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ELEVATION VIEW

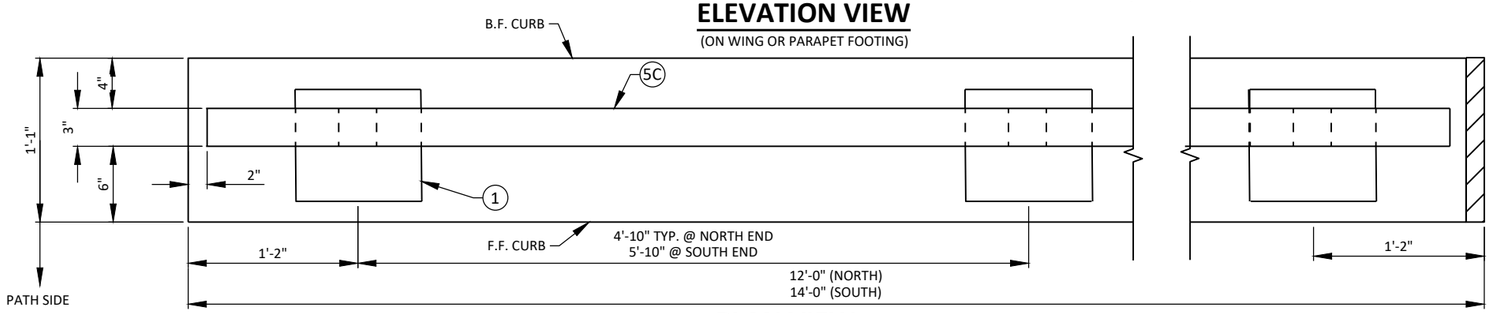


SEE "SUPERSTRUCTURE PLAN"
SHEET FOR RAIL POST LAYOUT

WEST C/L RAIL RADIUS = 1765.625
EAST C/L RAIL RADIUS = 1744.375

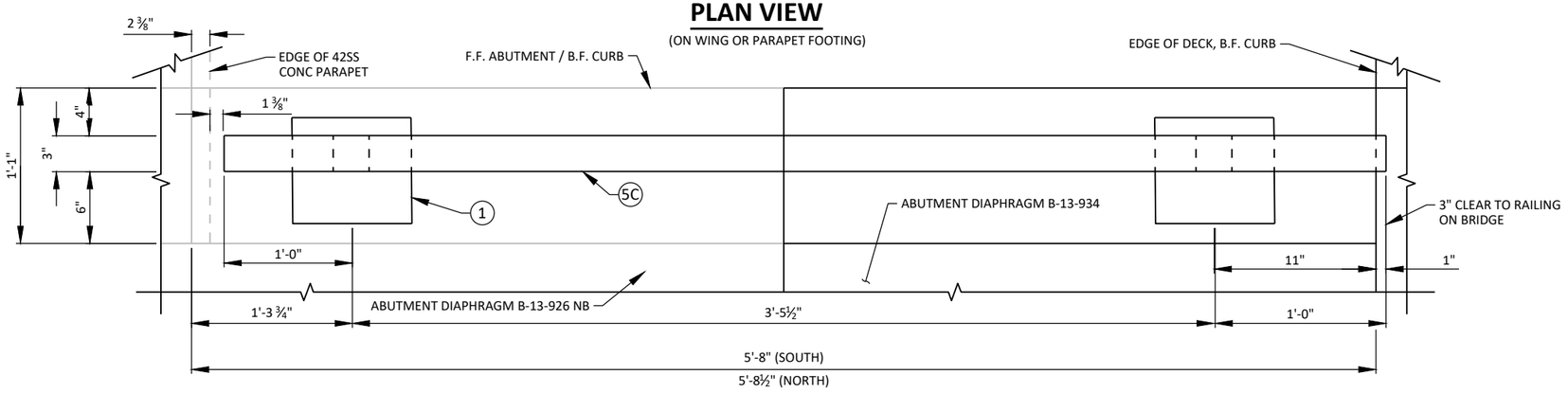
TYPICAL SECTION VIEW THRU RAIL

(ON DECK, WING OR FOOTING)



PLAN VIEW

(ON WING OR PARAPET FOOTING)



PLAN VIEW

(ON ABUTMENT DIAPHRAGMS)

NOTE

SEE "TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2)
SHEET FOR LEGEND

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D SKH

TYPE C2 PEDESTRIAN RAILING DETAILS (1 OF 2)

SHEET 25
1284

8

8

STATE PROJECT NUMBER

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LEGEND

(1) PLATE ⅝" X 8" X 10" WITH ¾" HOLES.

(2) ¼" X 6" X 9 ¾" ANCHOR PLATE WITH $^{11}/_{16}$"DIA. HOLES FOR THR'D. RODS NO.3.

(3) ⅜" DIA. X 10 " LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP.
ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝" INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS. DRILL THROUGH REINFORCEMENT (IF ENCOUNTERED) TO ACHIEVE MINIMUM EMBEDMENT.

(4) STRUCTURAL TUBING 3" X 3" X $^{3}/_{16}$". PLACE VERTICAL. WELD TO NO.1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X $^{3}/_{16}$" RAILS. WELD TO NO.1 & NO.4.
INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(5C) STRUCTURAL TUBING 2½" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO.1 & 4.
INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(9A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. PROVIDE "SLIDING FIT".

(9B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

(10A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

(10B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

▣ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING NON-BITUMINOUS JOINT SEALER. MATCH COLOR OF ADJACENT SURFACE.

ALL JOINTS AND RECESSES IN CONCRETE CURB ARE TO BE VERTICAL.

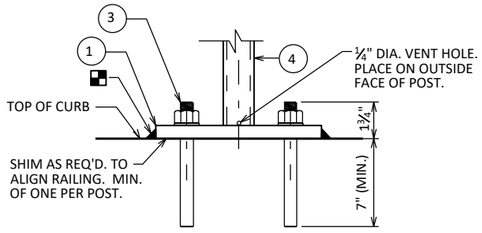
ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

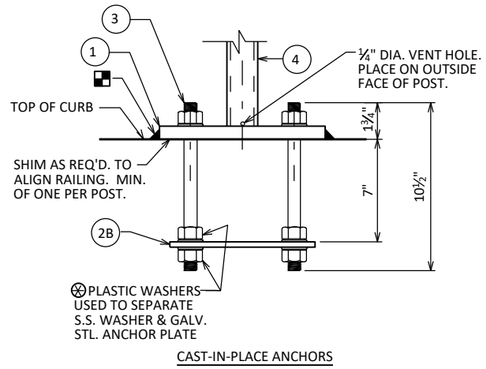
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

▣ ¾" DIA. HOLES FOR ADHESIVE ANCHORS.
¾" DIA. X 1 ½" SLOTTED HOLES FOR CAST-IN-PLACE ANCHORS.

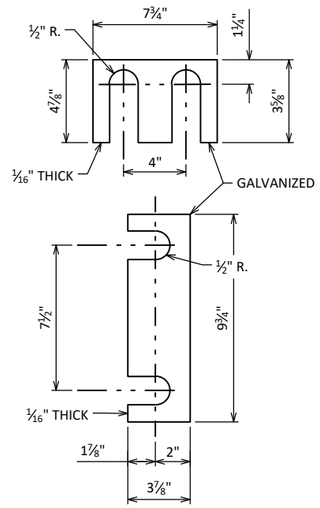


ADHESIVE ANCHORS



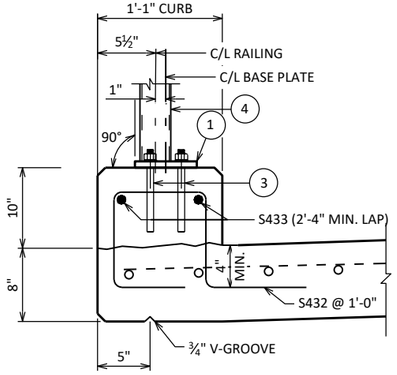
CAST-IN-PLACE ANCHORS

ANCHORAGE FOR RAIL POSTS



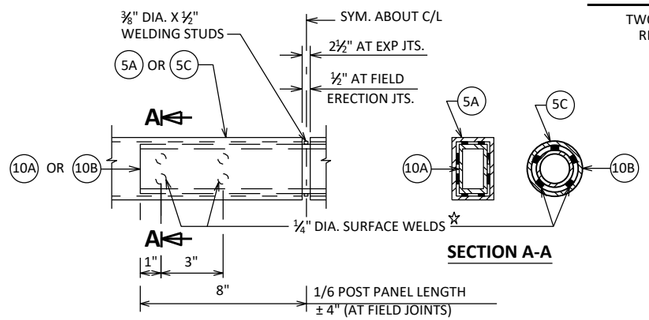
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POSTS



SECTION THRU CURB MOUNTED PEDESTRIAN RAILING

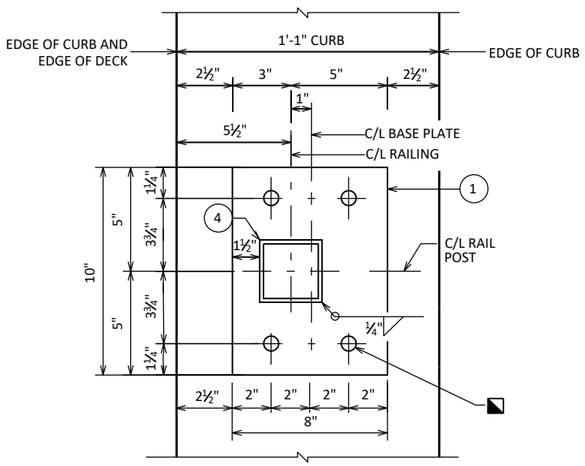
(SECTIONS ON WINGS AND PARAPET FOOTING SIMILAR)



SECTION A-A

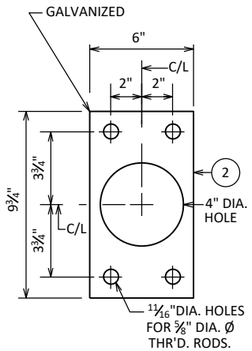
FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHING OR STUDS MAY BE USED AS AN ALTERNATE.



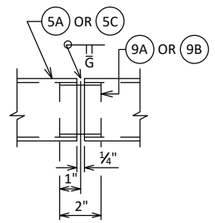
TYPICAL RAIL POST BASE PLATE

FOR 3" X 3" X $^{3}/_{16}$" POSTS (4)



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRE WHEN ADHESIVE ANCHORS ARE USED



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D SKH

TYPE C2 PEDESTRIAN RAILING DETAILS (2 OF 2)

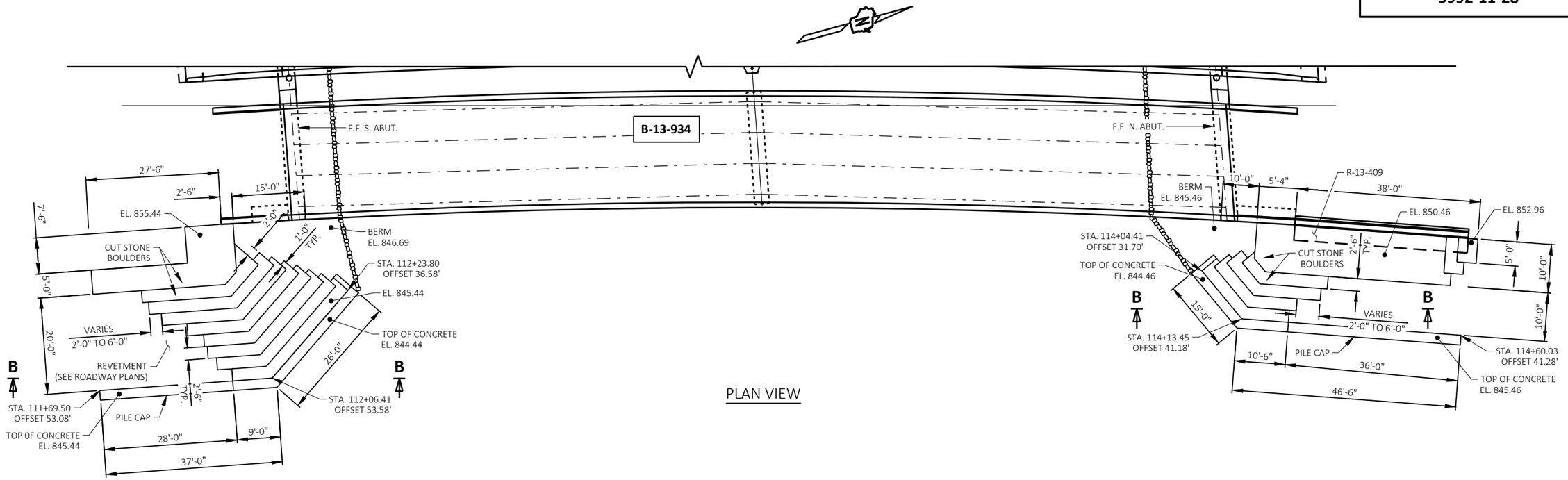
SHEET 26
1285

8

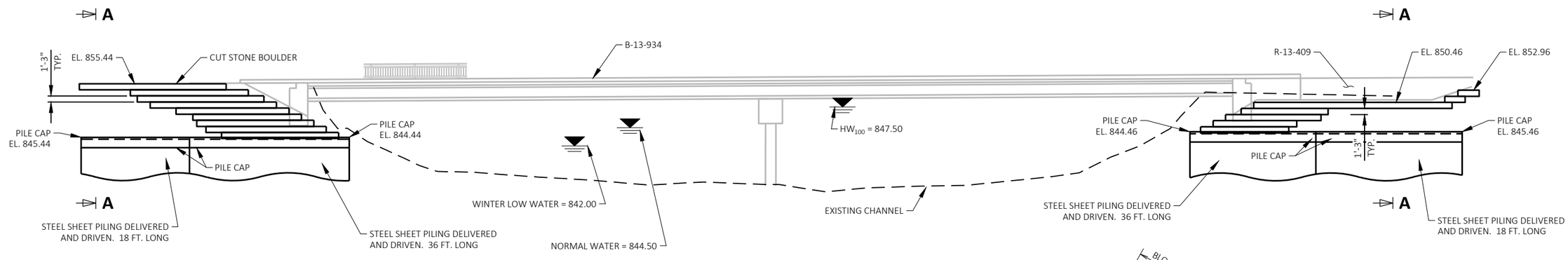
8

STATE PROJECT NUMBER

5992-11-28



PLAN VIEW



ELEVATION (CUT STONE BOULDER)

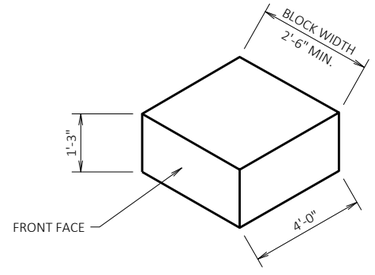
NOTES

EXCAVATION REQUIRED FOR UNDERCUT IS INCLUDED IN BID ITEM "CUT STONE BOULDERS".

PROVIDE PZ27 SHEET PILING IN 18 & 36 FT LENGTHS. PAID AS BID ITEM "PILING STEEL SHEET PERMANENT DELIVERED" AND "PILING STEEL SHEET PERMANENT DRIVEN".

CONCRETE FOR PILING CAP TO BE PAID AS "CONCRETE MASONRY RETAINING WALLS".

COURSE AGGREGATE AASHTO NO. 4 IS INCIDENTAL TO BID ITEM "CUT STONE BOULDERS".



CUT STONE BOULDER DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D CDH

CUT STONE BOULDERS

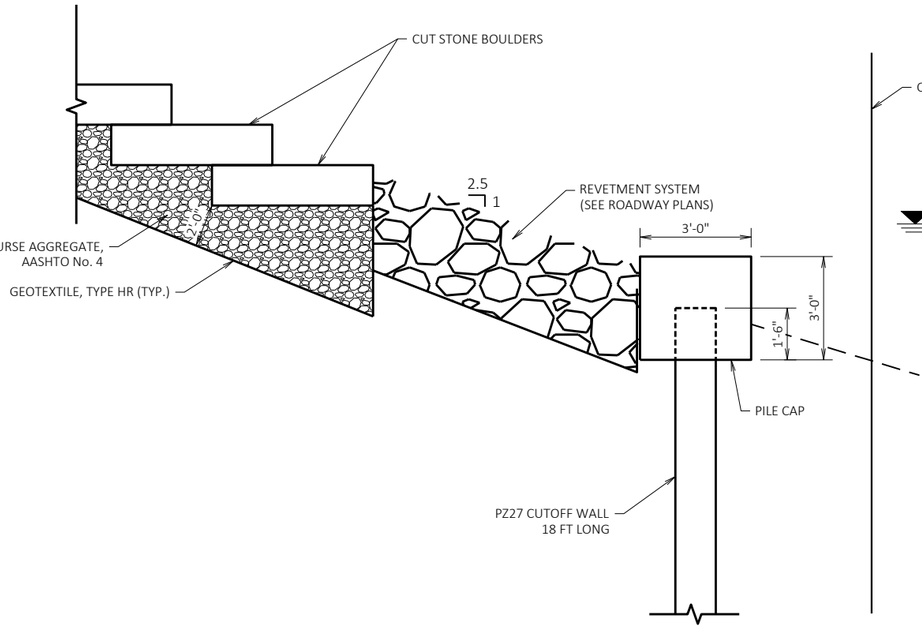
SHEET 27
1286

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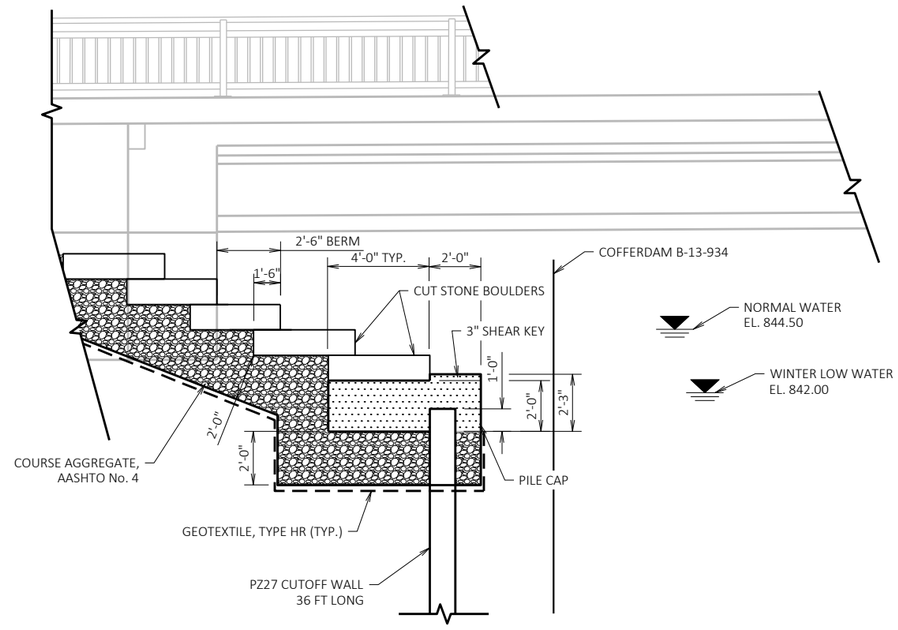
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STATE PROJECT NUMBER

5992-11-28



SECTION A-A



SECTION B-B

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

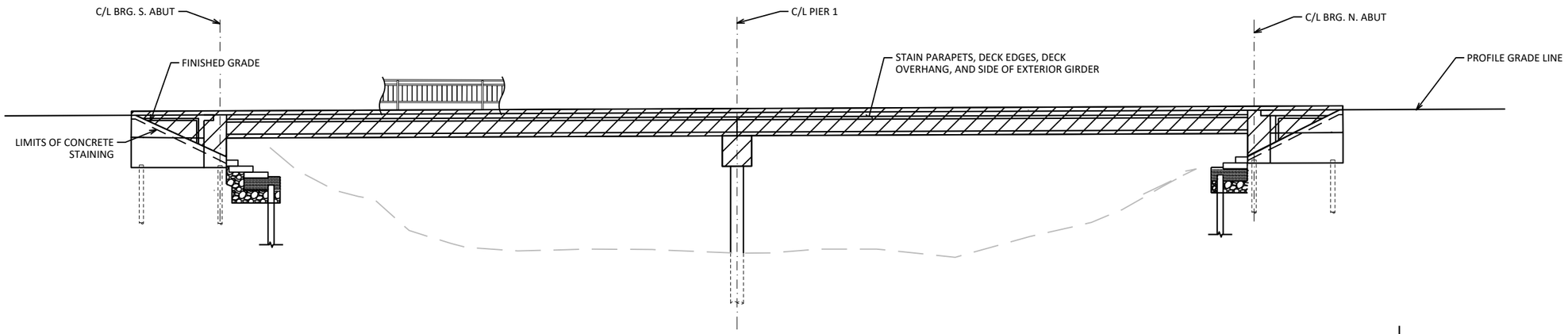
DRAWN BY STD | PLANS CK'D CDH

CUT STONE BOULDER DETAILS

SHEET 28
1287

STATE PROJECT NUMBER

5992-11-28

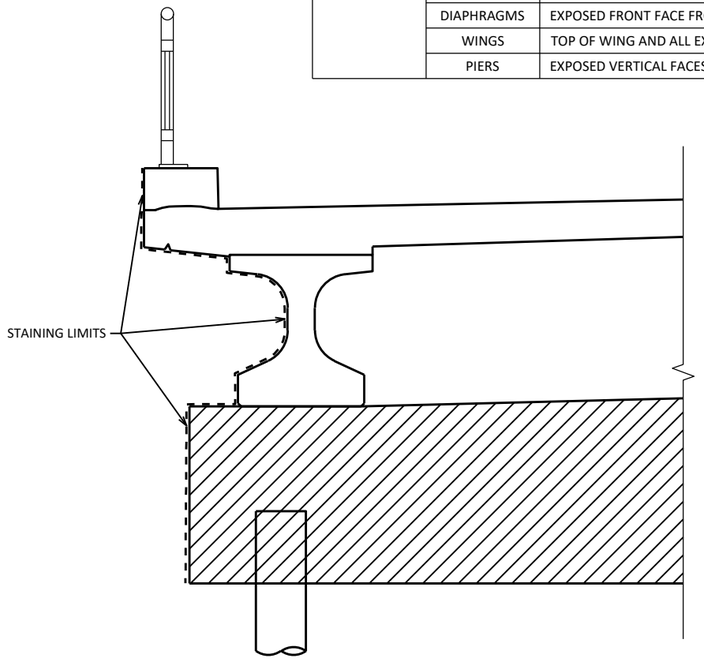


ELEVATION

(LOOKING WEST)

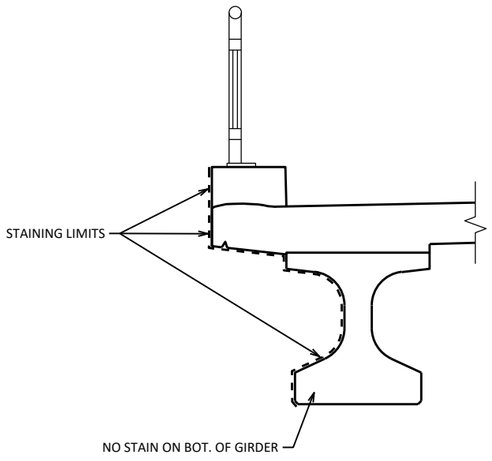
CONCRETE STAINING SCHEDULE

COLOR	LOCATION	NOTES
FEDERAL COLOR #26622 PEARL GRAY	CURBS	EXTERIOR FACE
	DECK	FASCIA & EXPOSED UNDERSIDE TO EXTERIOR GIRDER FLANGE
	ABUTMENTS	FRONT FACE FROM TOP OF ABUTMENT TO 1-FT BELOW FINISHED GRADE
	DIAPHRAGMS	EXPOSED FRONT FACE FROM ENDS OF ABUTMENT TO EXTERIOR FACE OF EXTERIOR GIRDER ON EACH END
	WINGS	TOP OF WING AND ALL EXPOSED SIDES TO 1-FT BELOW FINISHED GRADE
	PIERS	EXPOSED VERTICAL FACES OF PIER CAP



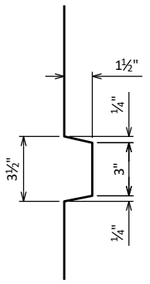
TYPICAL SECTION AT PIERS

STAIN VERTICAL FACES OF PIER CAP, EXTERIOR FACE OF PIER, CURB AND GIRDERS, AND EDGE OF DECK AND DECK OVERHANGS

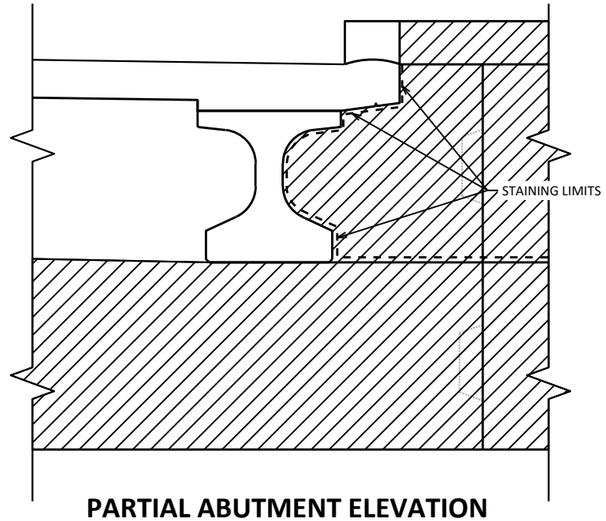


TYPICAL SECTION IN SPAN

STAIN BACK OF CURB, EDGE OF DECK, DECK OVERHANG AND SIDE OF EXTERIOR GIRDER (EAST CURB AND GIRDER ONLY)

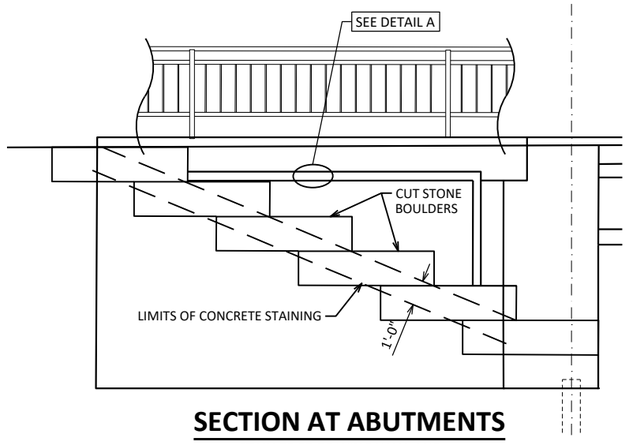


DETAIL A



PARTIAL ABUTMENT ELEVATION

STAIN ALL EXPOSED SURFACES OF ABUTMENT, BACK FACE OF CURB, EXTERIOR FACE OF EXTERIOR GIRDER, EDGE OF DECK AND DECK OVERHANG



SECTION AT ABUTMENTS

STAIN EDGE OF WING WALL AND ABUTMENT 1-FT BELOW GROUND LINE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY GWK | PLANS CK'D SKH

AESTHETIC DETAILS

SHEET 29
1288

SCALE = 3.0

8

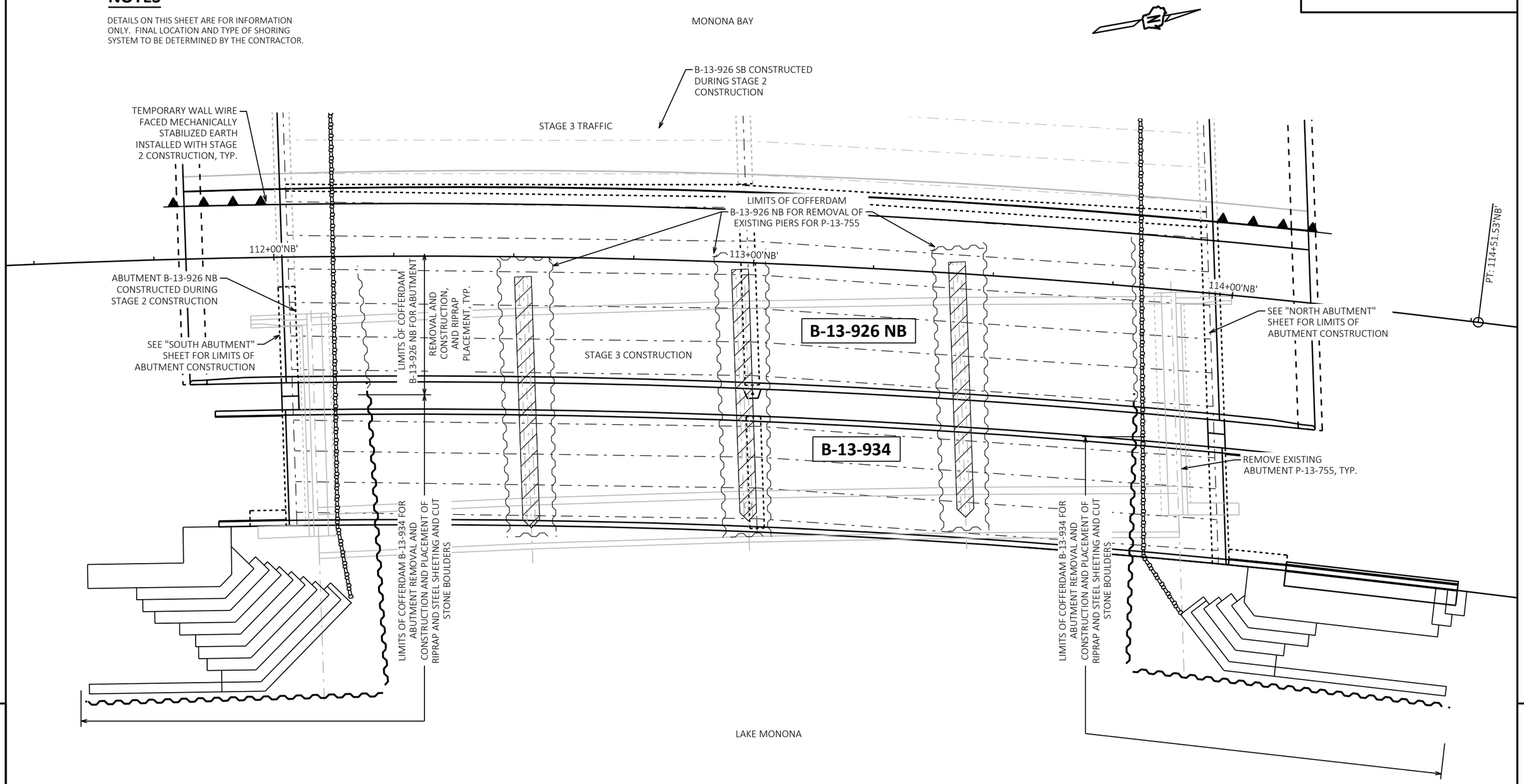
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FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\STRUCTURECAD\B-13-934\080629_AE.DWG
LAYOUT NAME - SHT2C

STATE PROJECT NUMBER
5992-11-28

NOTES

DETAILS ON THIS SHEET ARE FOR INFORMATION ONLY. FINAL LOCATION AND TYPE OF SHORING SYSTEM TO BE DETERMINED BY THE CONTRACTOR.



PLAN

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-934

DRAWN BY STD | PLANS CK'D SKH

TEMPORARY SHORING & COFFERDAM DETAILS

SHEET 30
1289

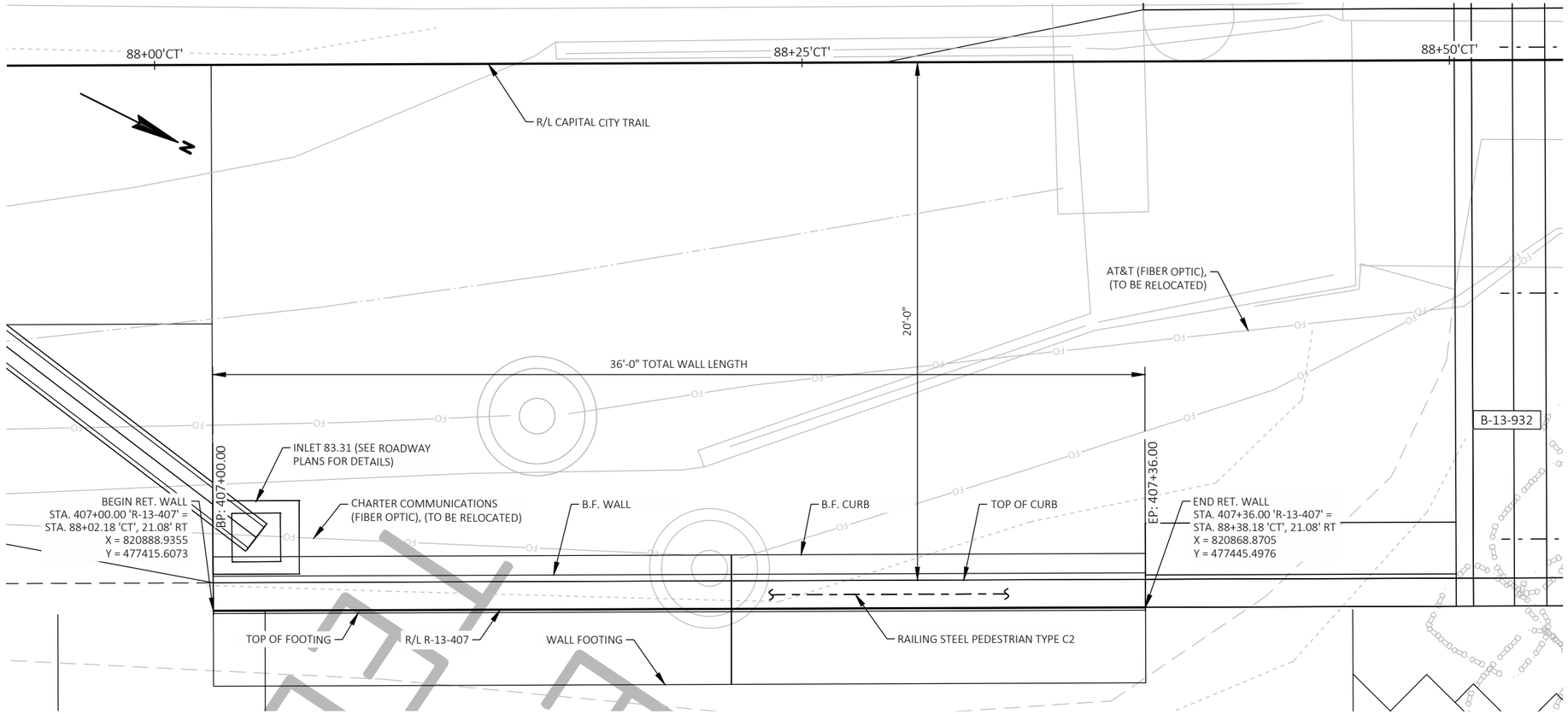
SCALE =

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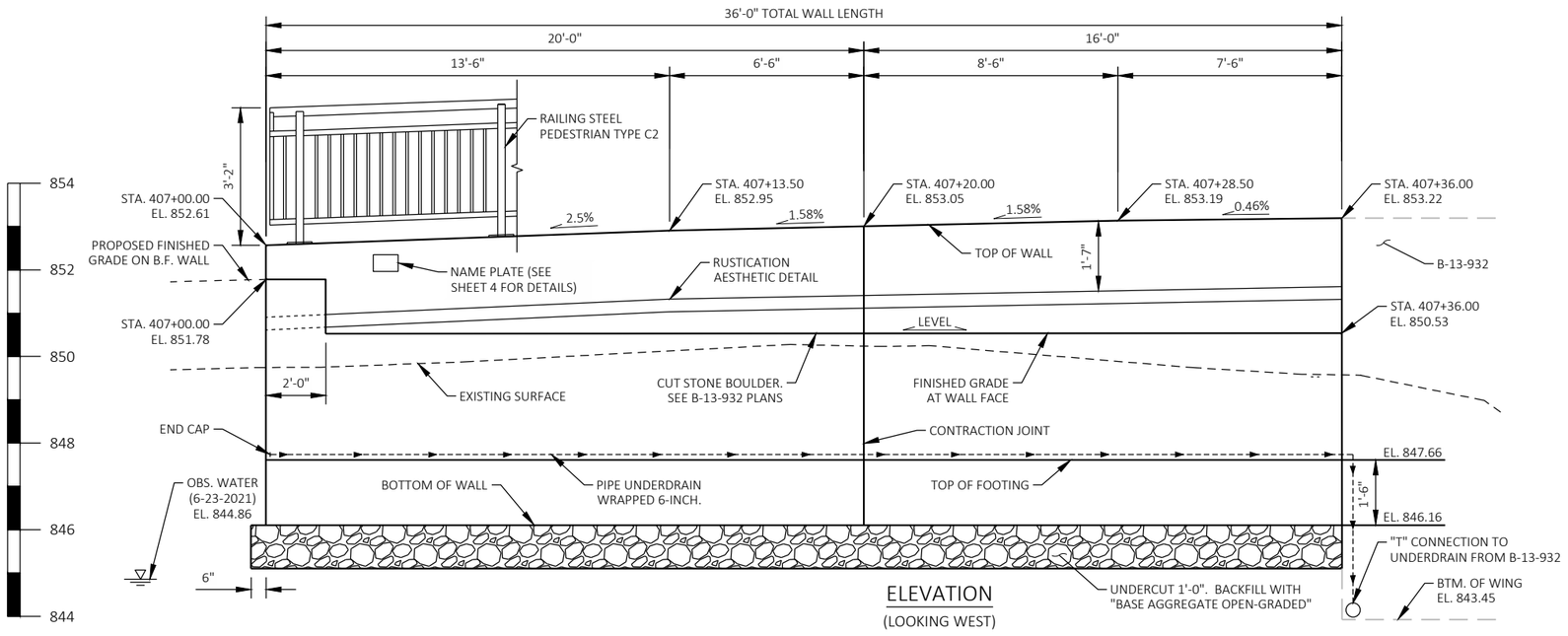
STATE PROJECT NUMBER

5992-11-28



PLAN

(CAST-IN-PLACE CONCRETE RETAINING WALL)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
240 PSF SURCHARGE

MATERIAL PROPERTIES:
CONCRETE MASONRY.....f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60..... f'c = 60,000 P.S.I.

FOUNDATIONS:
ALLOWABLE BEARING PRESSURE.....1,000 PSF

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & DETAILS
3. SUBSURFACE EXPLORATION
4. WALL DETAILS
5. SECTIONS AND REINFORCEMENT
6. RAILING STEEL PEDESTRIAN TYPE C2
7. RAILING DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-13-407

WALL ALONG CAPITAL CITY TRAIL

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
GWK	SKH	GWK	CDH

GENERAL PLAN & ELEVATION

SHEET 1 OF 7

1290

SCALE =

I.D.

DATE:

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

8

8

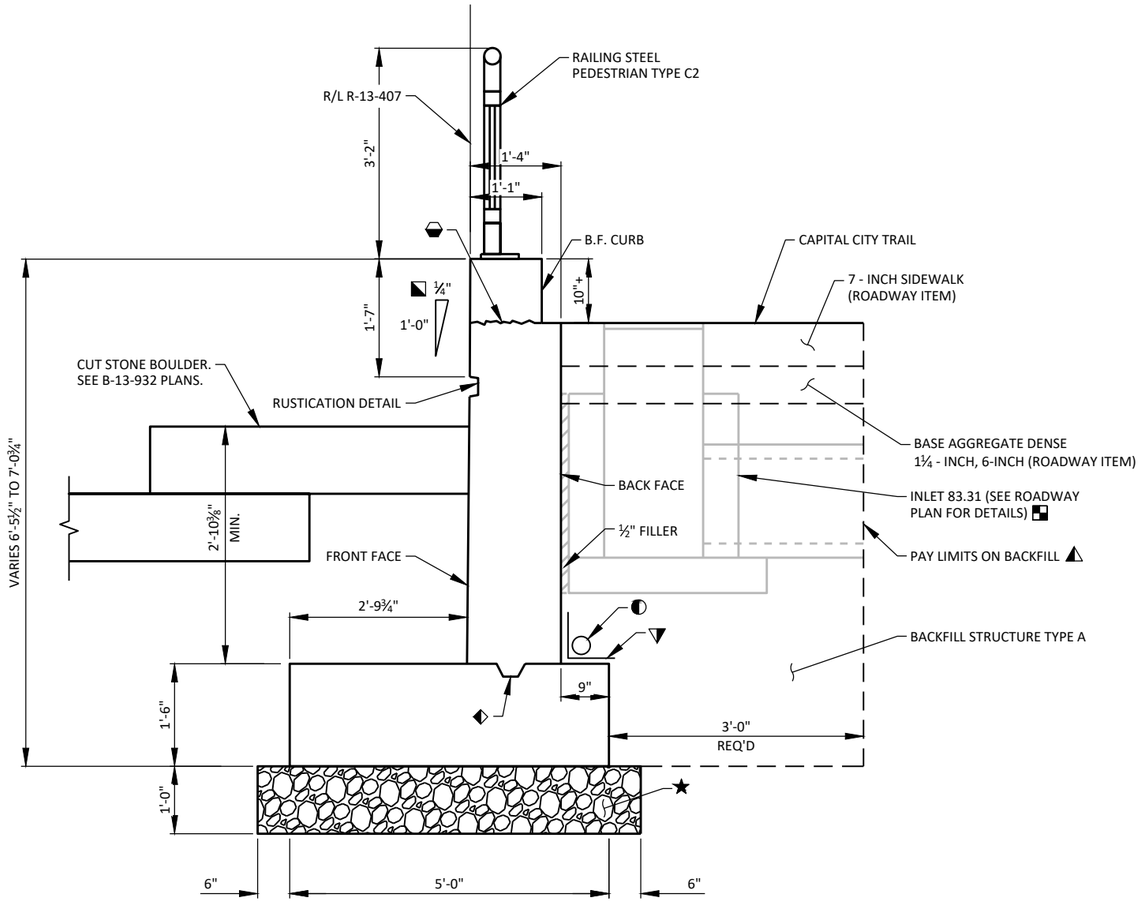
STATE PROJECT NUMBER

5992-11-28

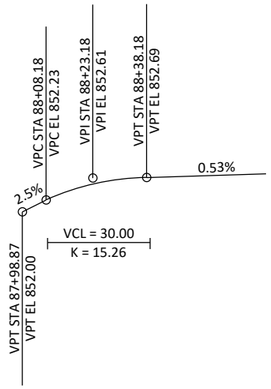
TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL
206.3001.10	EXCAVATION FOR STRUCTURES RETAINING WALLS R-13-407	EACH	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	48
310.0110	BASE AGGREGATE OPEN-GRADED	TON	15
502.3210	PIGMENTED SURFACE SEALER	SY	8
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	20
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	540
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	470
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	36
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7
517.1010.S.10	CONCRETE STAINING R-13-407	SF	168
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	40
	NON-BID ITEMS		
	PERFORMED JOINT FILLER	SIZE	1/2"
	NAME PLATE	EACH	1

ALL BID ITEMS SHOWN ARE CATEGORY 0060



TYPICAL SECTION THRU WING WALL



PROFILE GRADE LINE - CAPITAL CITY PATH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THESE PLANS ARE FOR A CAST-IN-PLACE (CIP) CONCRETE CANTILEVER WALL.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWERS AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF R-13-407 WITH BRIDGE B-13-932.

CONCRETE STAINING OF FEDERAL COLOR #26622 PEARL GRAY IS TO BE APPLIED TO THE FRONT FACE OF THE WALL, FRONT AND BACK FACE AND TOP OF THE CURB.

LEGEND & NOTES

- BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-932
- KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- BATTER FRONT FACE OF WALL ¼" PER FOOT.
- UNDERCUT 1'-0". EXCAVATION TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL WITH "BASE AGGREGATE OPEN-GRADED".
- CAST IN PLACE OPTION SHOWN. IF PRECAST INLET IS USED, PLACE ½" FILLER BETWEEN WALL AND INLET.
- OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-932 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

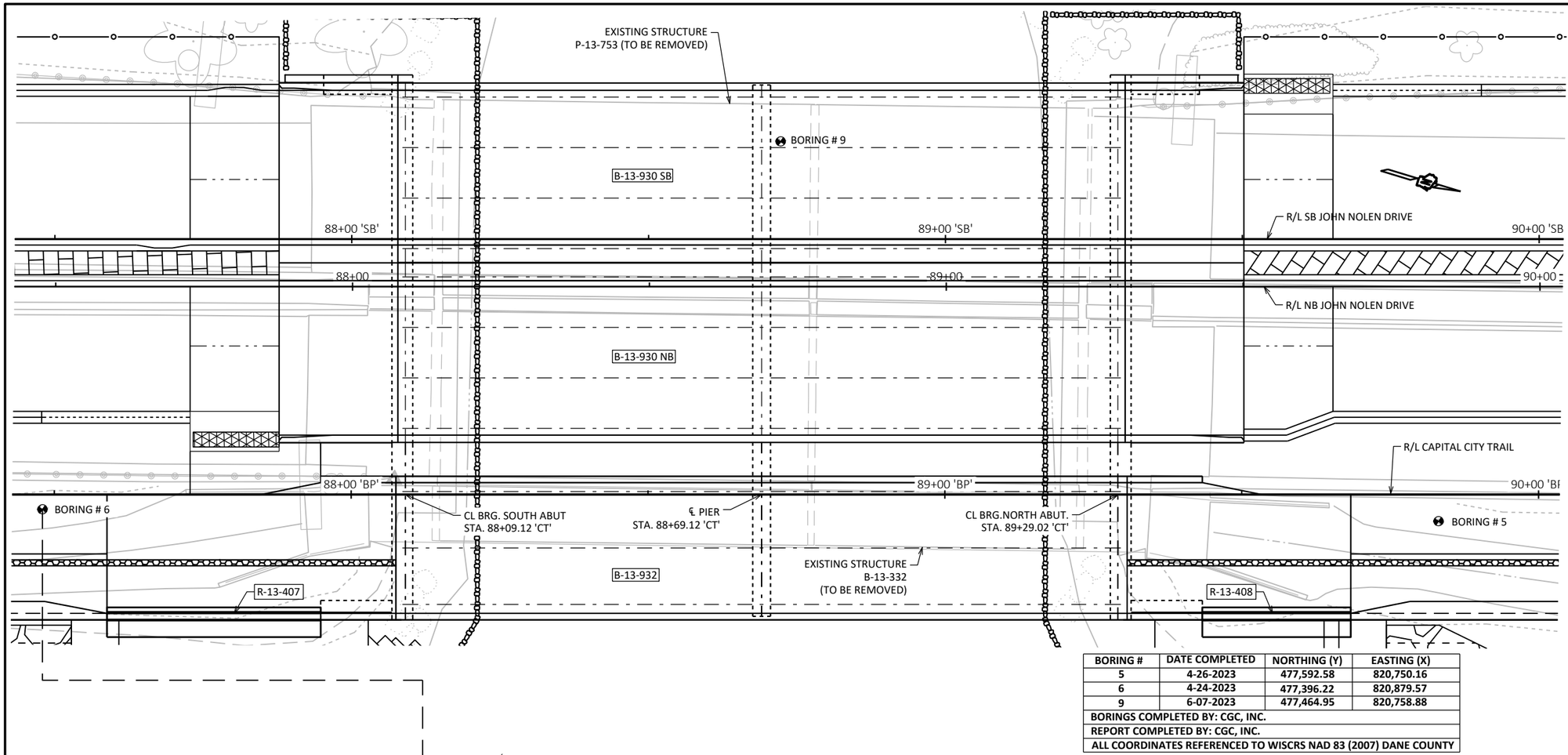
DRAWN BY GWK | PLANS CK'D CDH

TYPICAL SECTION & DETAILS

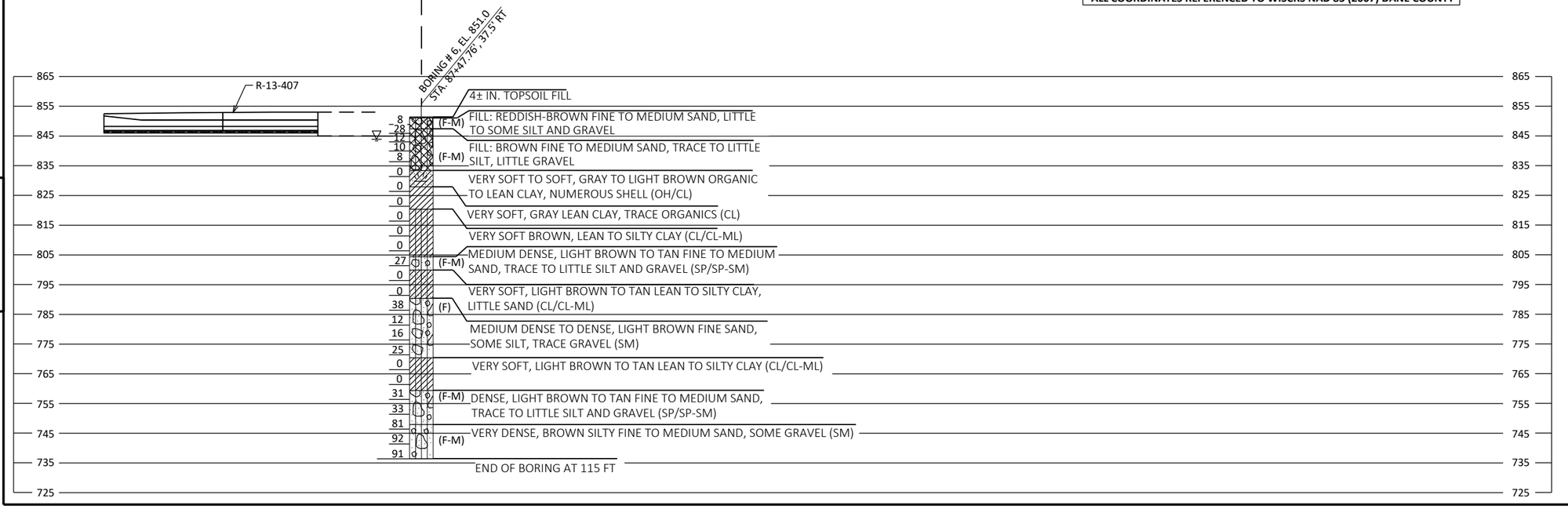
SHEET 2
1291

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4-26-2023	477,592.58	820,750.16
6	4-24-2023	477,396.22	820,879.57
9	6-07-2023	477,464.95	820,758.88
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (2007) DANE COUNTY			



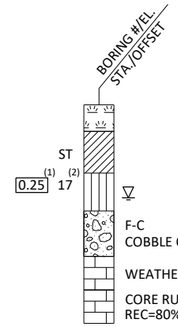
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

DRAWN BY STD | PLANS CK'D CDH

SUBSURFACE EXPLORATION

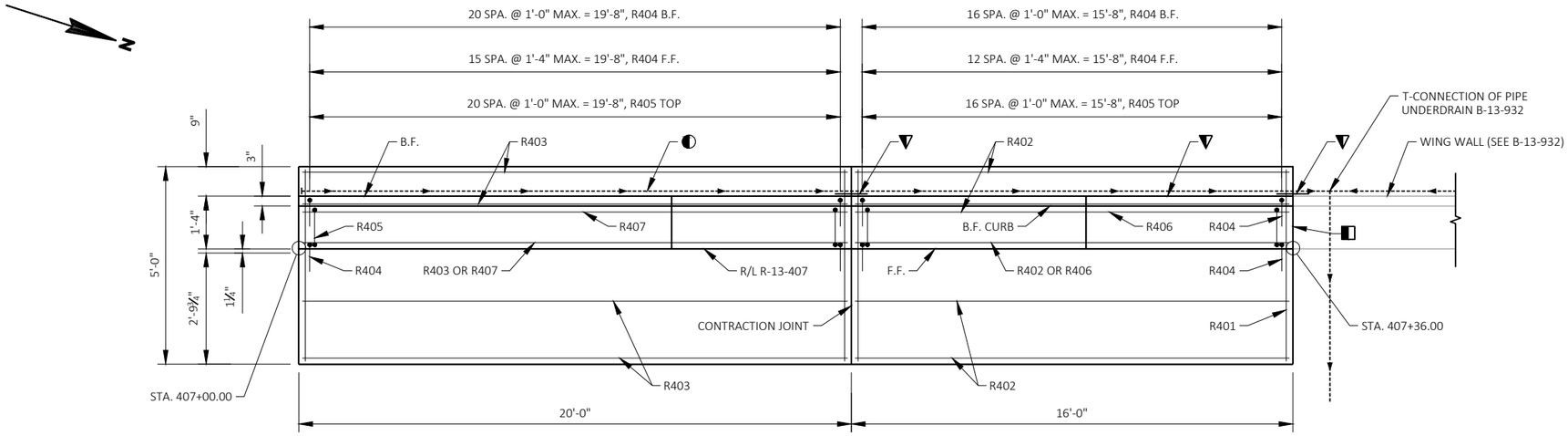
SHEET 3
1292

SCALE = 20

8

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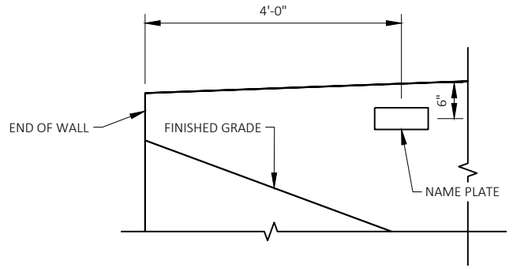
STATE PROJECT NUMBER
5992-11-28



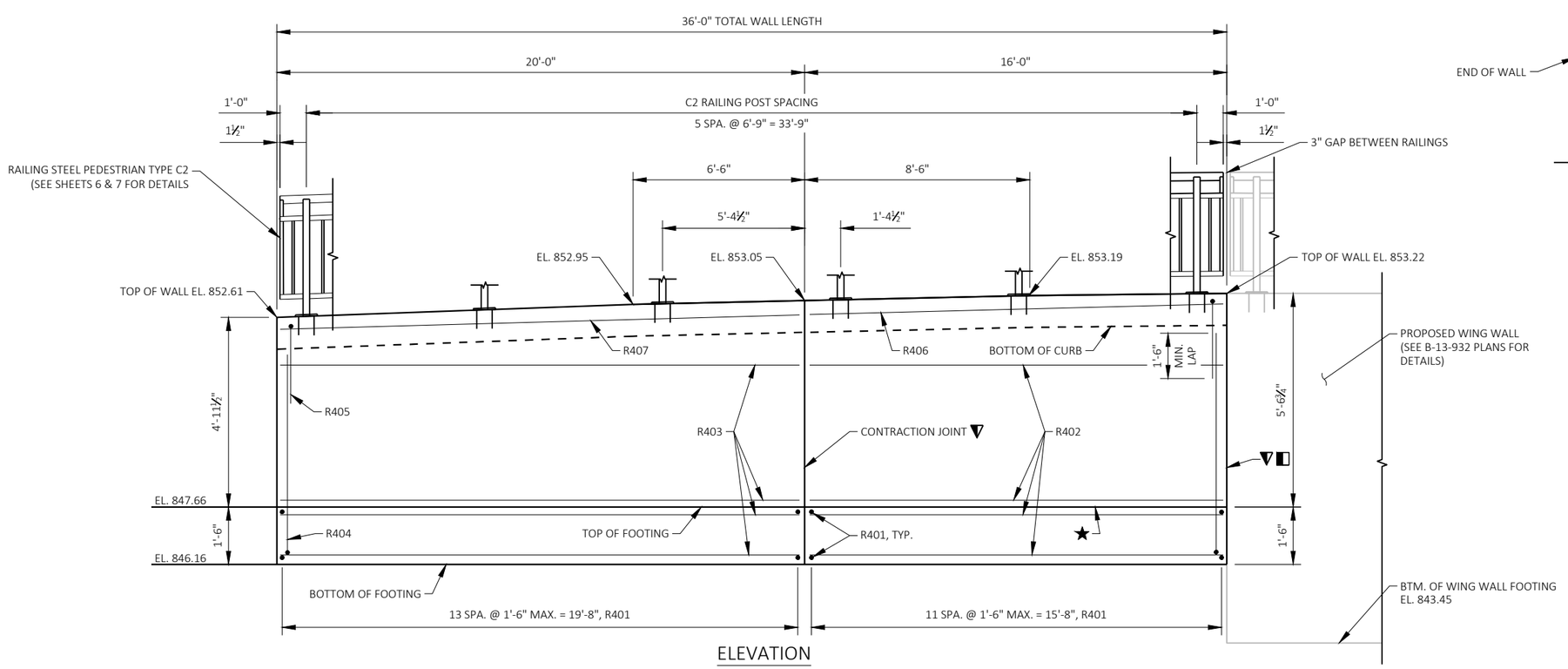
PLAN

LEGEND

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPED 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-932.
- 18-INCH RUBBERIZED WATERPROOFING ON BACKFACE.
- VERTICAL JOINT BETWEEN R-13-407 AND B-13-932 WING WALL. FILL JOINT WITH ½" PERFORMED FILLER BETWEEN RETAINING WALL AND WING WALL. SEAL HORIZ. AND VERT. SURFACES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



NAME PLATE DETAIL



ELEVATION

LOOKING NORMAL TO WALL ALIGNMENT, F.F. WALL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

DRAWN BY GWK | PLANS CK'D CDH

WALL DETAILS

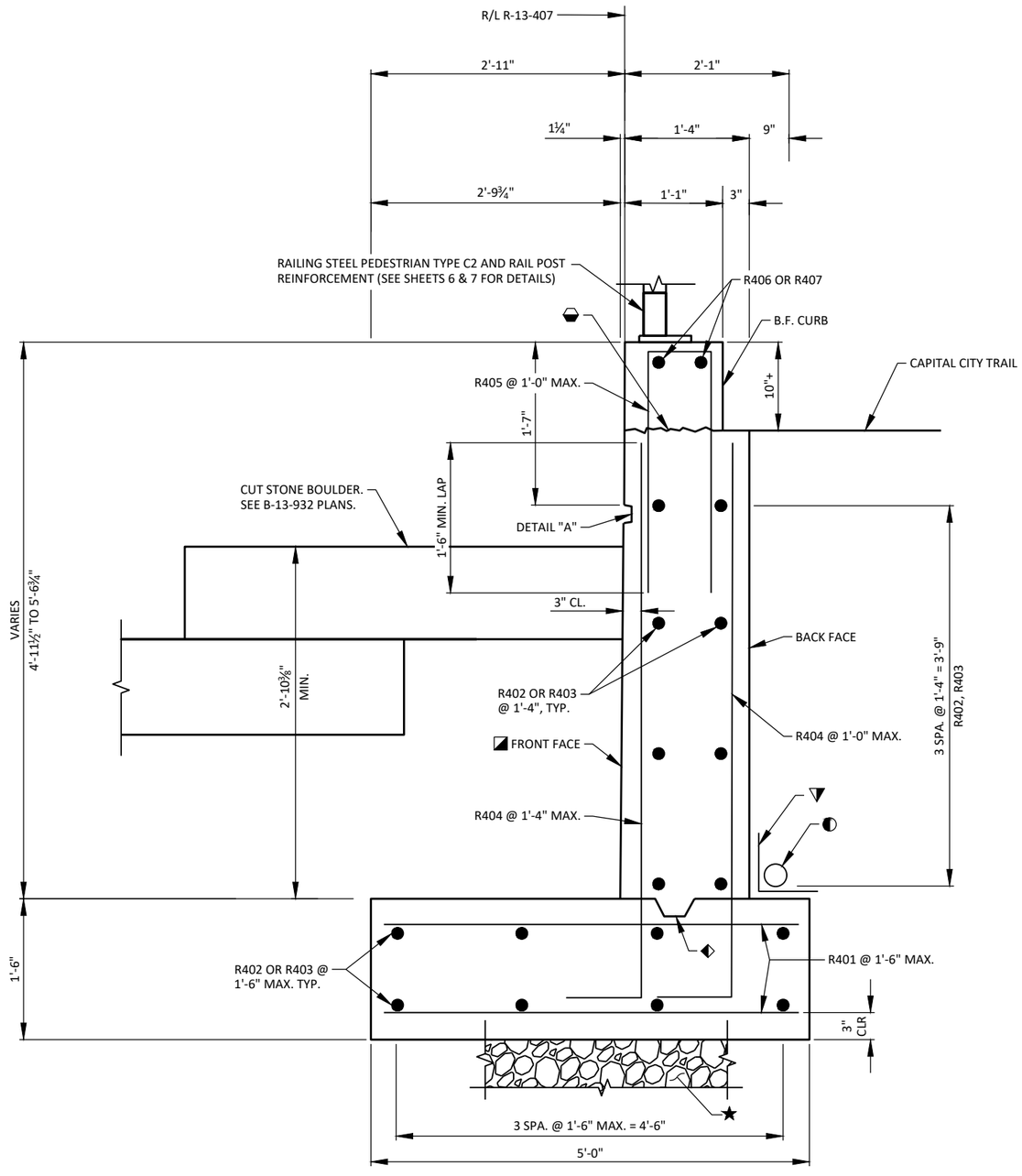
SHEET 4
1293

8

8

STATE PROJECT NUMBER

5992-11-28



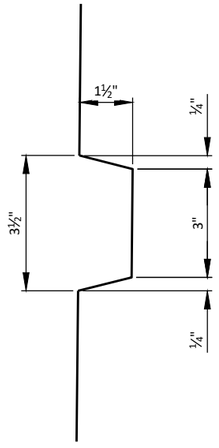
WALL TYPICAL SECTION

BILL OF BARS

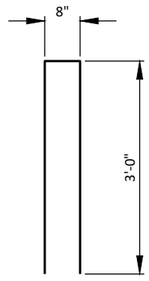
TOTAL COATED WEIGHT: 470 LBS

TOTAL UNCOATED WEIGHT: 540 LBS

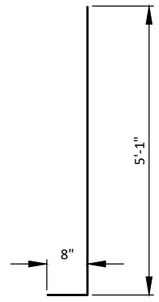
BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
R401	52	4'-8"			FOOTING HORIZ. TRANS. TOP & BOT.
R402	16	15'-8"			FOOTING AND STEM HORIZ. LONGIT.
R403	16	19'-8"			FOOTING AND STEM HORIZ. LONGIT.
R404	67	5'-8"	X	X	STEM VERT. B.F. & F.F.
R405	38	6'-6"	X	X	STEM VERT. STIRRUP
R406	2	15'-8"	X		STEM TOP HORIZ. LONGIT.
R407	2	19'-8"	X		STEM TOP HORIZ. LONGIT.



DETAIL A



R405



R404

LEGEND & NOTES

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FFROM B-13-932
- KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- BATTER FRONT FACE ¼" PER FOOT.
- SEE SHEETS 1 & 2 FOR UNDERCUT DETAILS.
- OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-932 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

DRAWN BY GWK | PLANS CK'D CDH

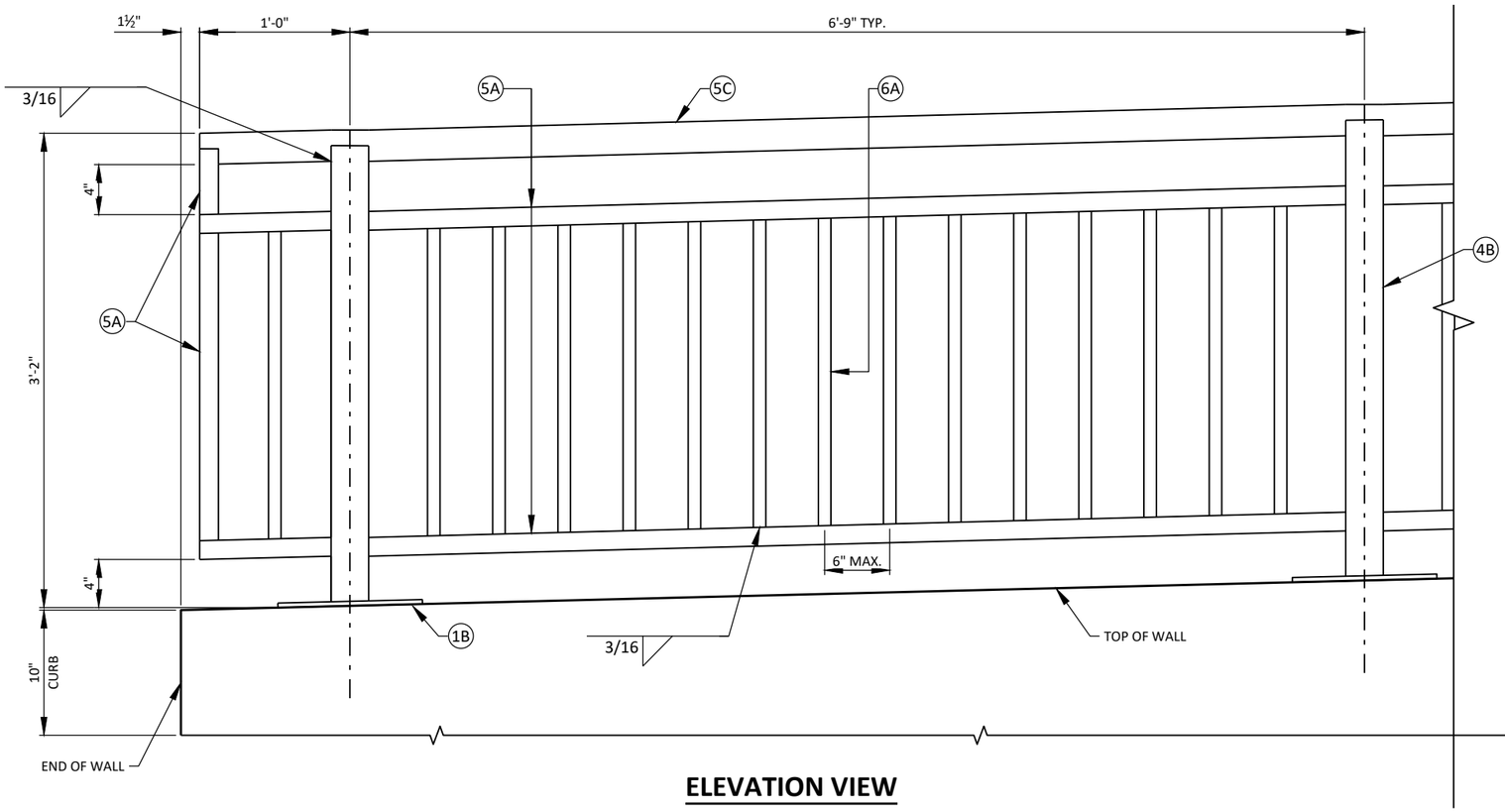
SECTIONS & REINFORCEMENT

SHEET 5
1294

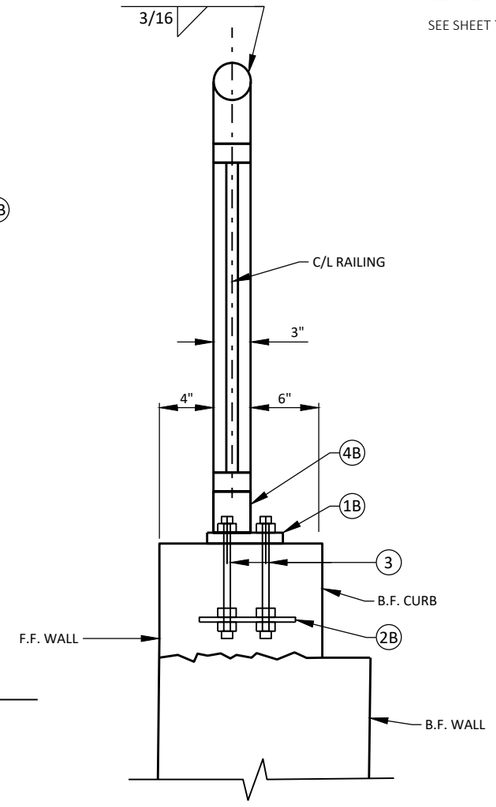
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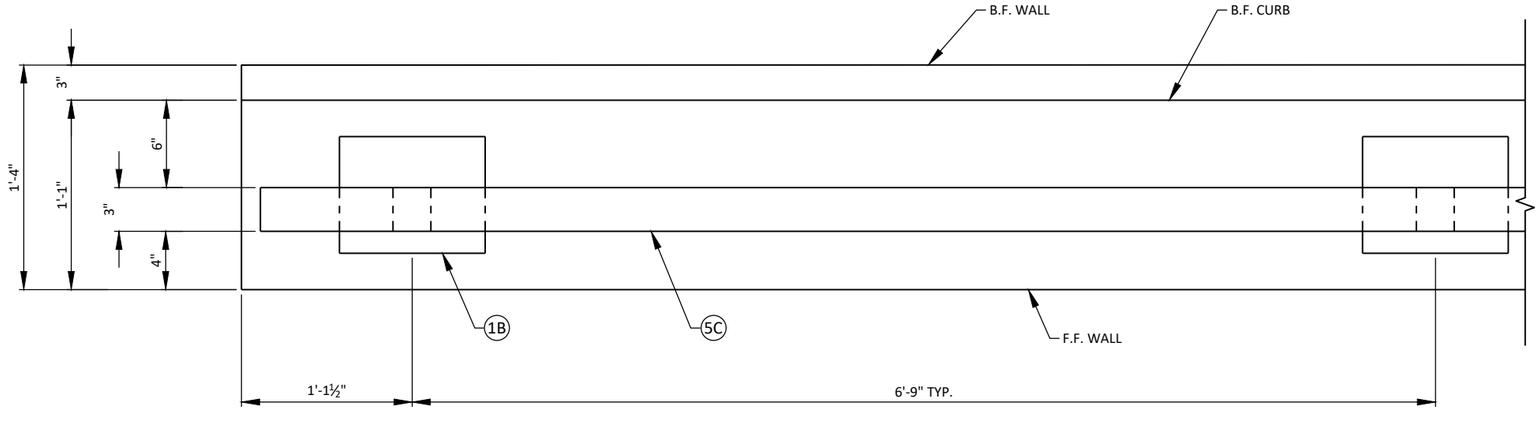
STATE PROJECT NUMBER
5992-11-28



ELEVATION VIEW



TYPICAL SECTION VIEW THRU RAIL



PLAN VIEW

NOTES:

SEE SHEET 4 FOR RAIL POST SPACING.

SEE SHEET 7 FOR LEGEND.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

DRAWN BY GWK | PLANS CK'D CDH

RAILING STEEL PEDESTRIAN TYPE C2

SHEET 6
1295

STATE PROJECT NUMBER

5992-11-28

LEGEND

(1B) PLATE ⅝" X 8" X 10" WITH ¾" HOLES. ◪

(2B) ¼" X 6" X 9¾" ANCHOR PLATE WITH $^{11}/_{16}$" DIA. HOLES FOR THR'D. RODS NO.3.

(3) ⅝" DIA. X 10½" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝" INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X $^{3}/_{16}$". PLACE VERTICAL. WELD TO NO.1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X $^{3}/_{16}$" RAILS. WELD TO NO.1 & NO.4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(5C) STRUCTURAL TUBING 2½" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO.1 & 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(9A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. PROVIDE "SLIDING FIT".

(9B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

(10A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

(10B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

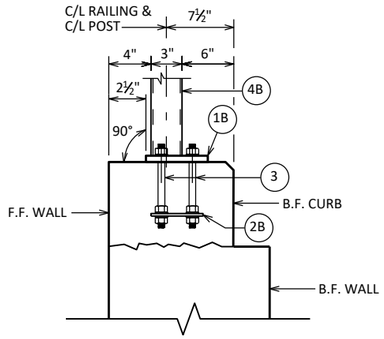
ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

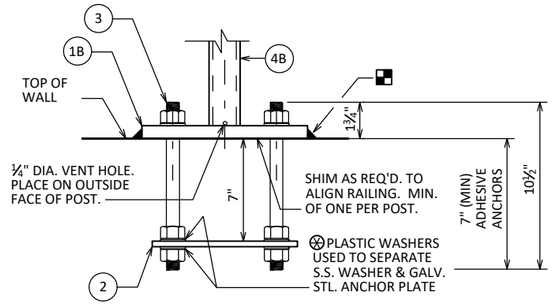
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

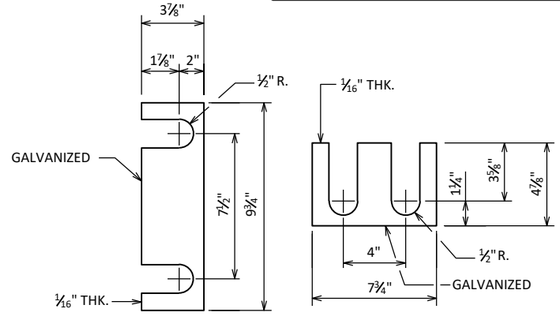
◪ ¾" DIA HOLES FOR ADHESIVE ANCHORS.
¾" DIA X 1½" SLOTTED HOLES FOR CAST-IN-PLACE ANCHORS.



SECTION THRU WALL

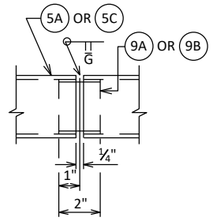


ANCHORAGE FOR RAIL POSTS



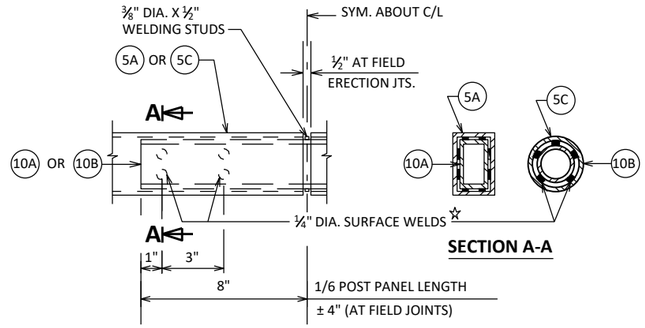
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POST



SHOP RAIL SPLICE DETAIL

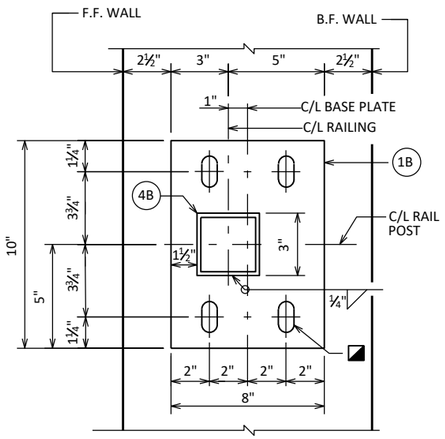
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



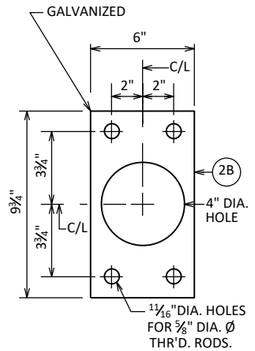
SECTION A-A

FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHING OR STUDS MAY BE USED AS AN ALTERNATE.



TYPICAL RAIL POST BASE PLATE



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-407

DRAWN BY	GWK	PLANS CK'D	CDH

RAILING DETAILS

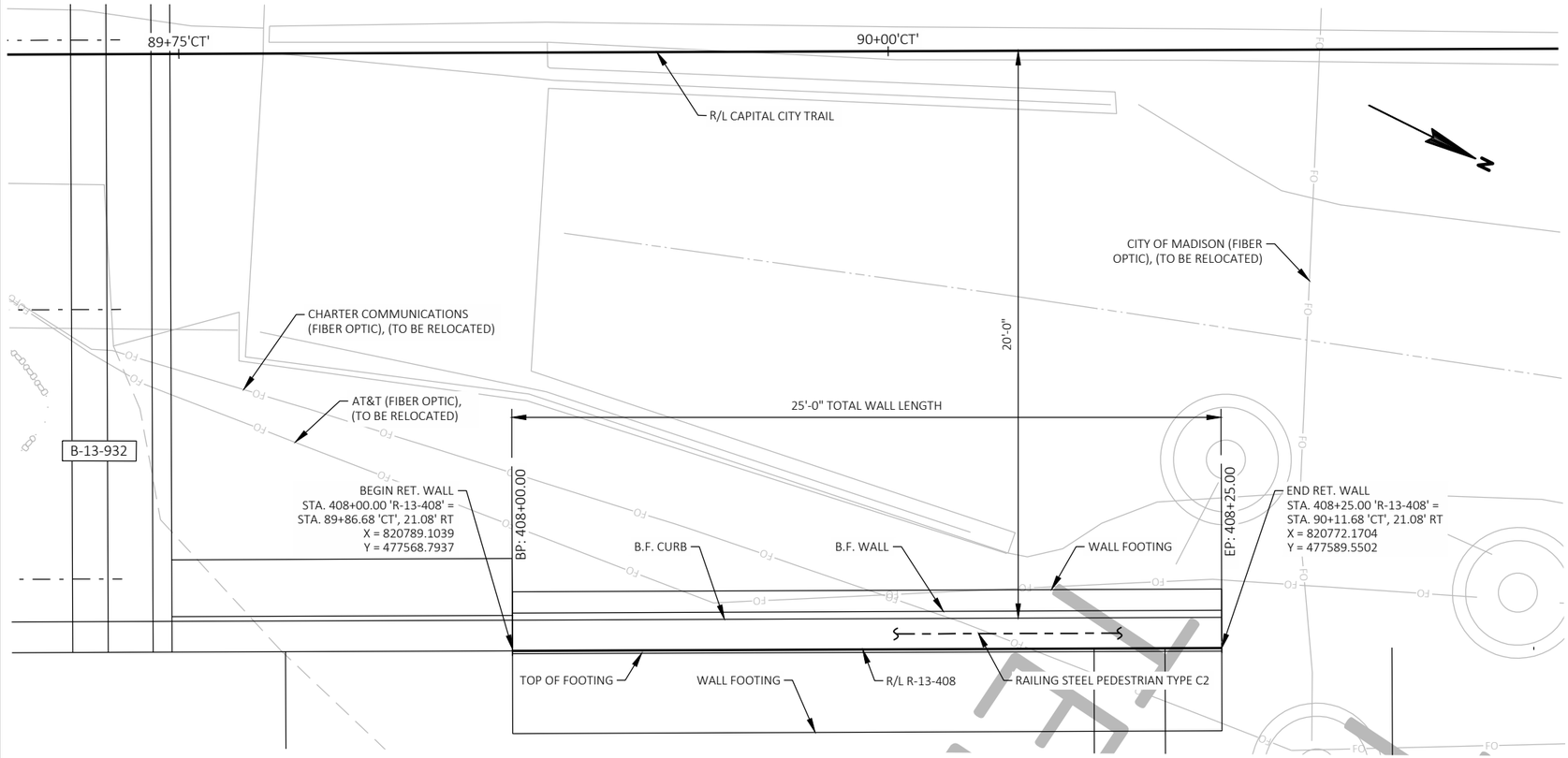
SHEET 7
1296

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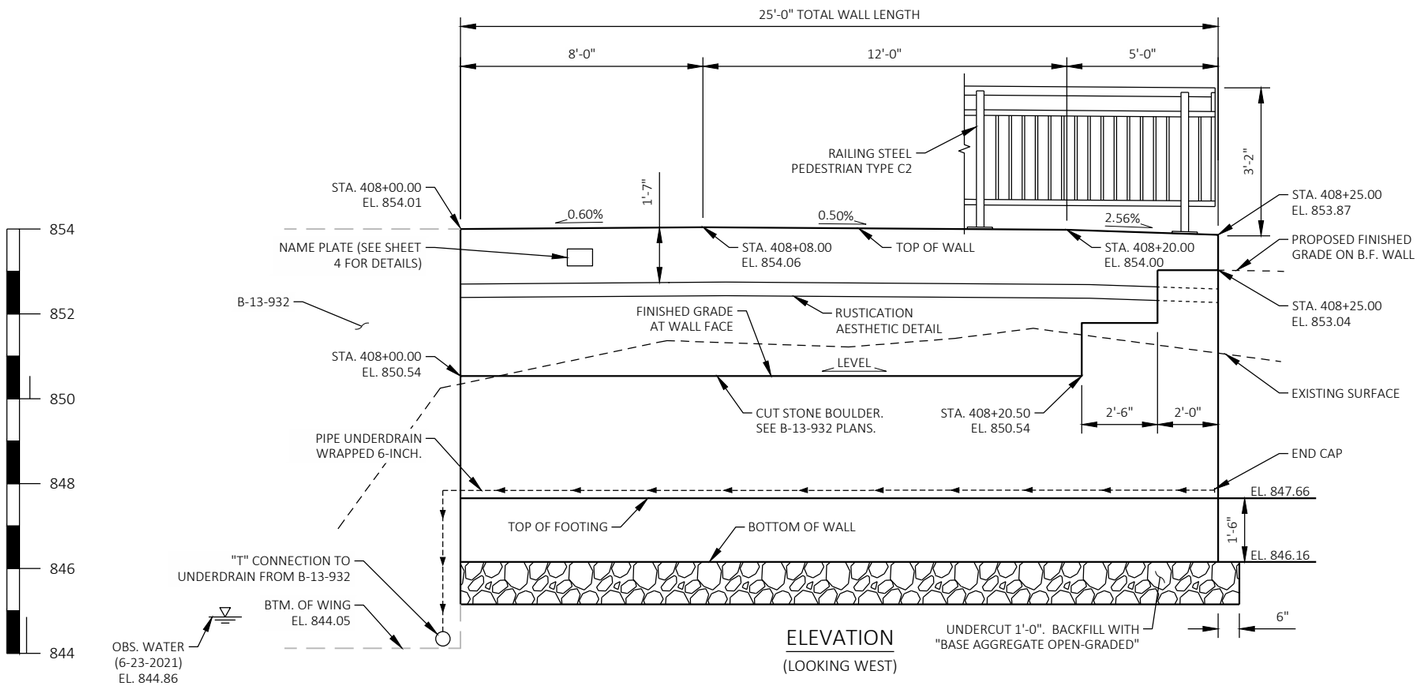
STATE PROJECT NUMBER

5992-11-28



PLAN

(CAST-IN-PLACE CONCRETE RETAINING WALL)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
240 PSF SURCHARGE

MATERIAL PROPERTIES:
CONCRETE MASONRY.....f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60..... f'c = 60,000 P.S.I.

FOUNDATIONS:
ALLOWABLE BEARING PRESSURE:.....1,000 PSF

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & DETAILS
3. SUBSURFACE EXPLORATION
4. WALL DETAILS
5. SECTIONS AND REINFORCEMENT
6. RAILING STEEL PEDESTRIAN TYPE C2
7. RAILING DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF
TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER DATE

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

STRUCTURE R-13-408

WALL ALONG CAPITAL CITY TRAIL

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
GWK	CDH	GWK	CDH

GENERAL PLAN & ELEVATION

SHEET 1 OF 7
1297

I.D.

DATE:

SCALE =

8

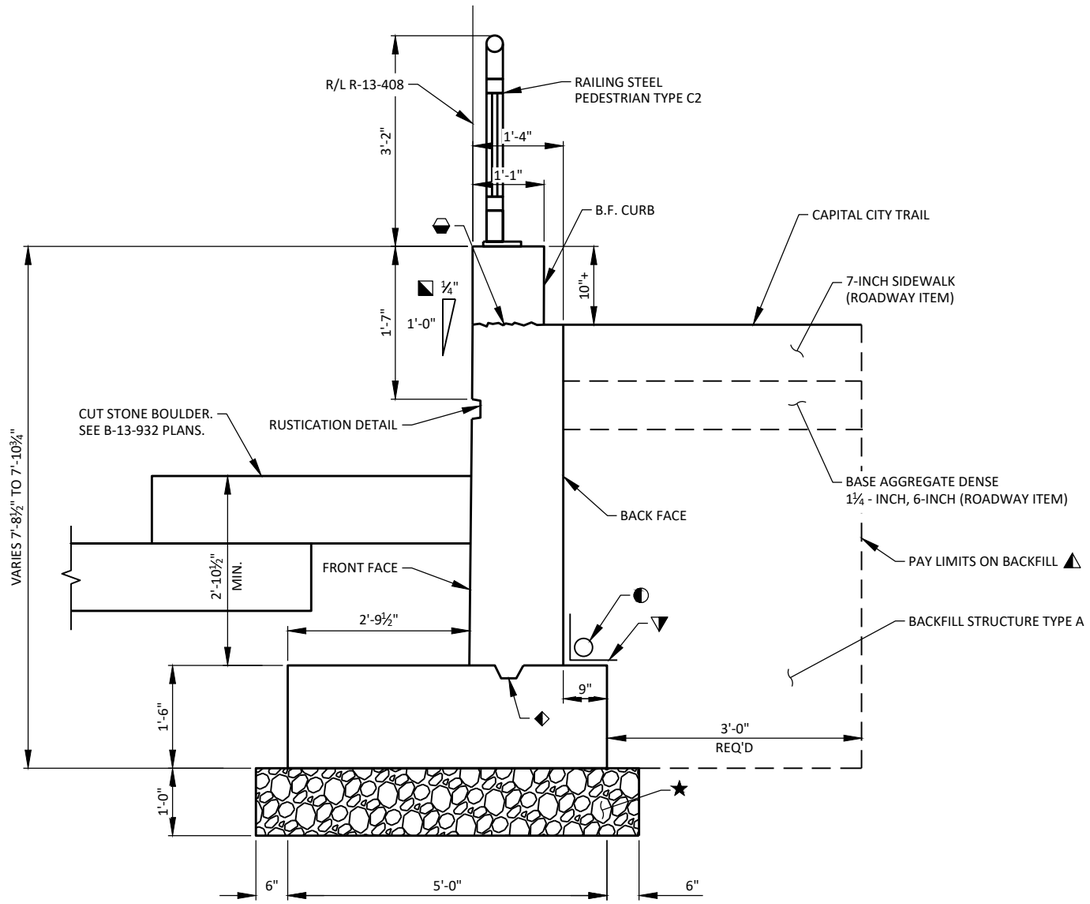
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STATE PROJECT NUMBER
5992-11-28

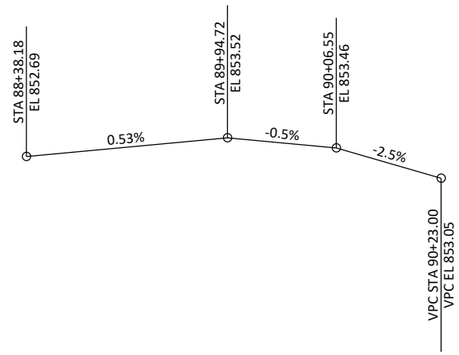
TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL
206.3001.11	EXCAVATION FOR STRUCTURES RETAINING WALLS R-13-408	EACH	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	40
310.0110	BASE AGGREGATE OPEN-GRADED	TON	11
502.3210	PIGMENTED SURFACE SEALER	SY	6
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	16
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	410
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	350
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	25
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	5
517.1010.S.11	CONCRETE STAINING R-13-408	SF	135
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	29
	NON-BID ITEMS		
	PERFORMED JOINT FILLER	SIZE	1/2"
	NAME PLATE	EACH	1

ALL BID ITEMS SHOWN ARE CATEGORY 0070



TYPICAL SECTION THRU WING WALL



PROFILE GRADE LINE - CAPITAL CITY PATH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THESE PLANS ARE FOR A CAST-IN-PLACE (CIP) CONCRETE CANTILEVER WALL.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWERS AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF R-13-408 WITH BRIDGE B-13-932.

CONCRETE STAINING OF FEDERAL COLOR #26622 PEARL GRAY IS TO BE APPLIED TO THE FRONT FACE OF THE WALL, FRONT AND BACK FACE AND TOP OF THE CURB.

LEGEND & NOTES

- ◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- ◐ PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-932
- ◆ KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- ▽ RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- ◹ BATTER FRONT FACE OF WALL ¼" PER FOOT.
- ★ UNDERCUT 1'-0". EXCAVATION TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL WITH "BASE AGGREGATE OPEN-GRADED".
- ⬭ OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-932 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

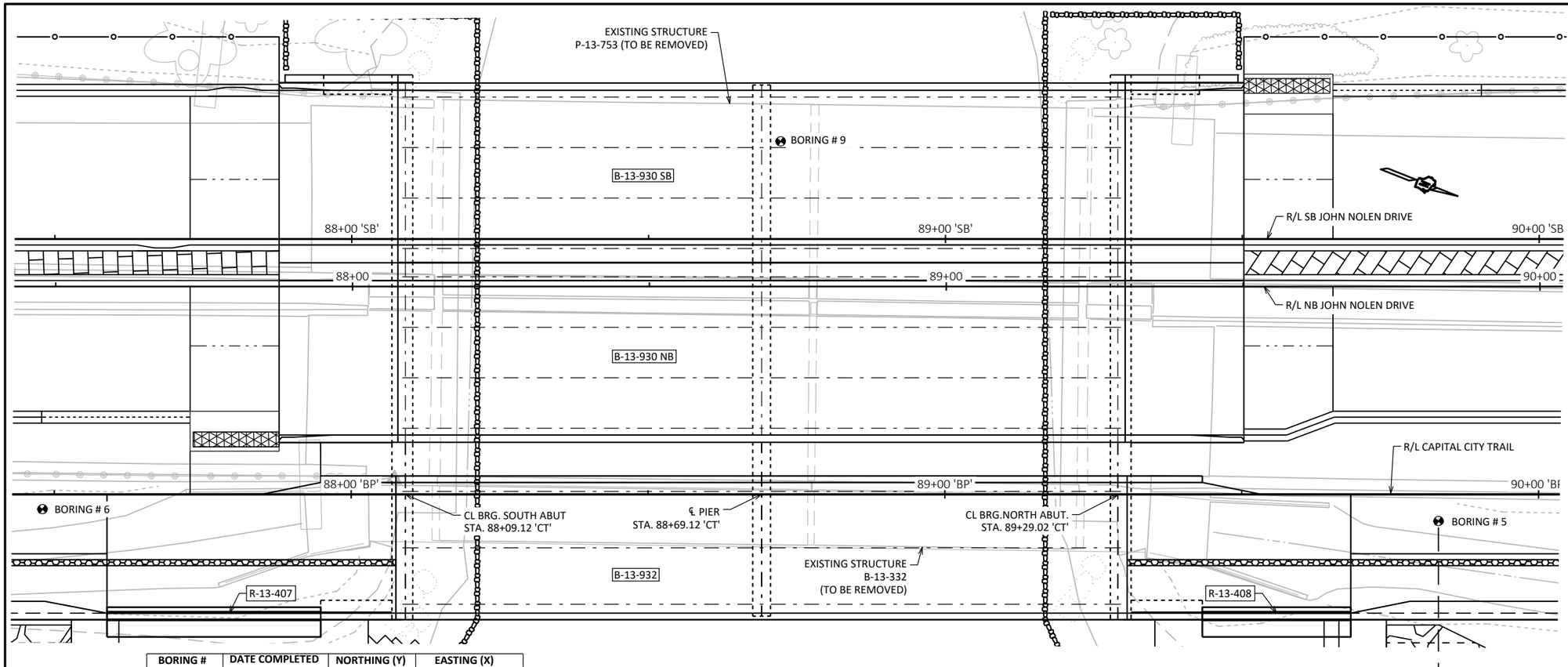
DRAWN BY GWK | PLANS CK'D CDH

TYPICAL SECTION & DETAILS

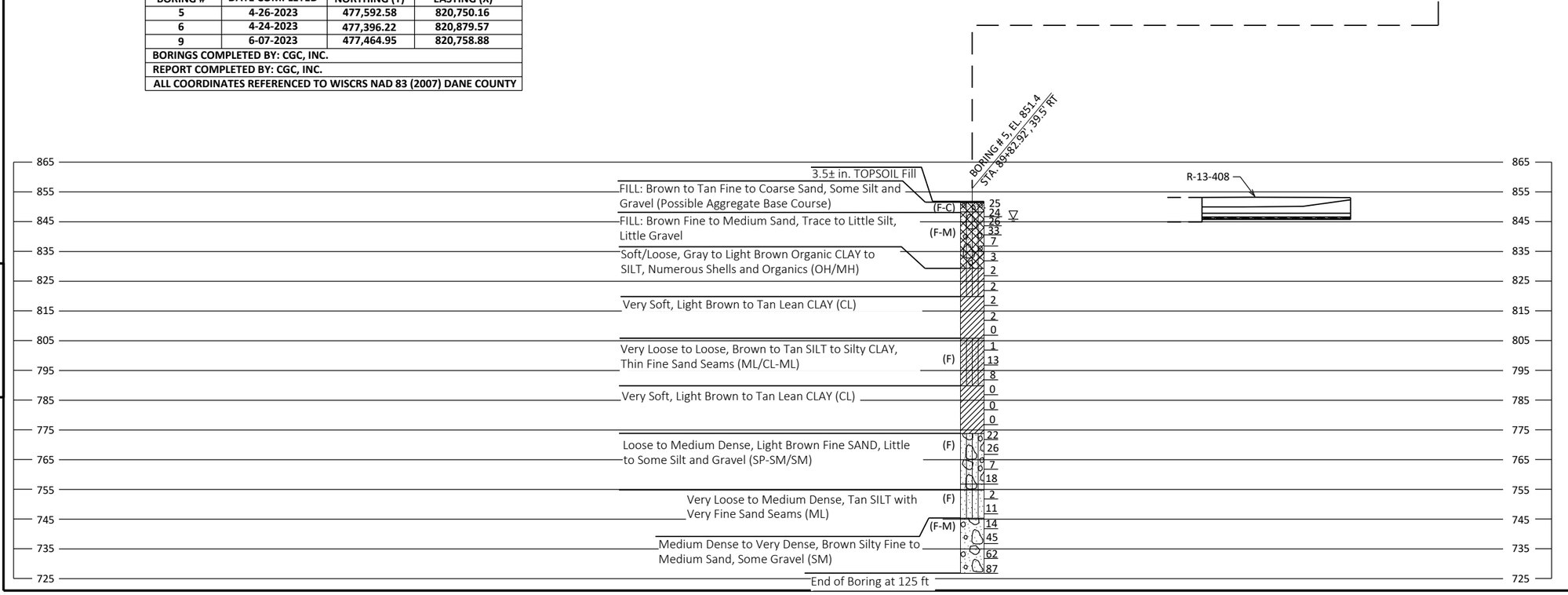
SHEET 2
1298

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BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
5	4-26-2023	477,592.58	820,750.16
6	4-24-2023	477,396.22	820,879.57
9	6-07-2023	477,464.95	820,758.88
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WISCRS NAD 83 (2007) DANE COUNTY			



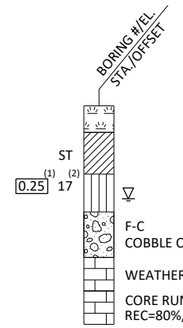
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

DRAWN BY STD | PLANS CK'D CDH

SUBSURFACE EXPLORATION

SHEET 3
1299

SCALE = 20

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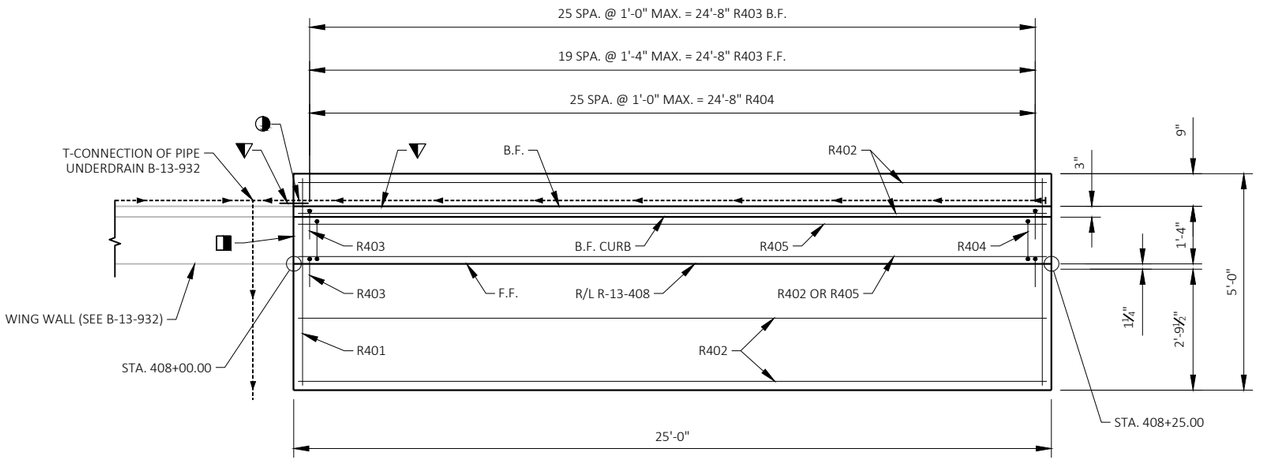
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5/20/2025 1:25 PM

STATE PROJECT NUMBER

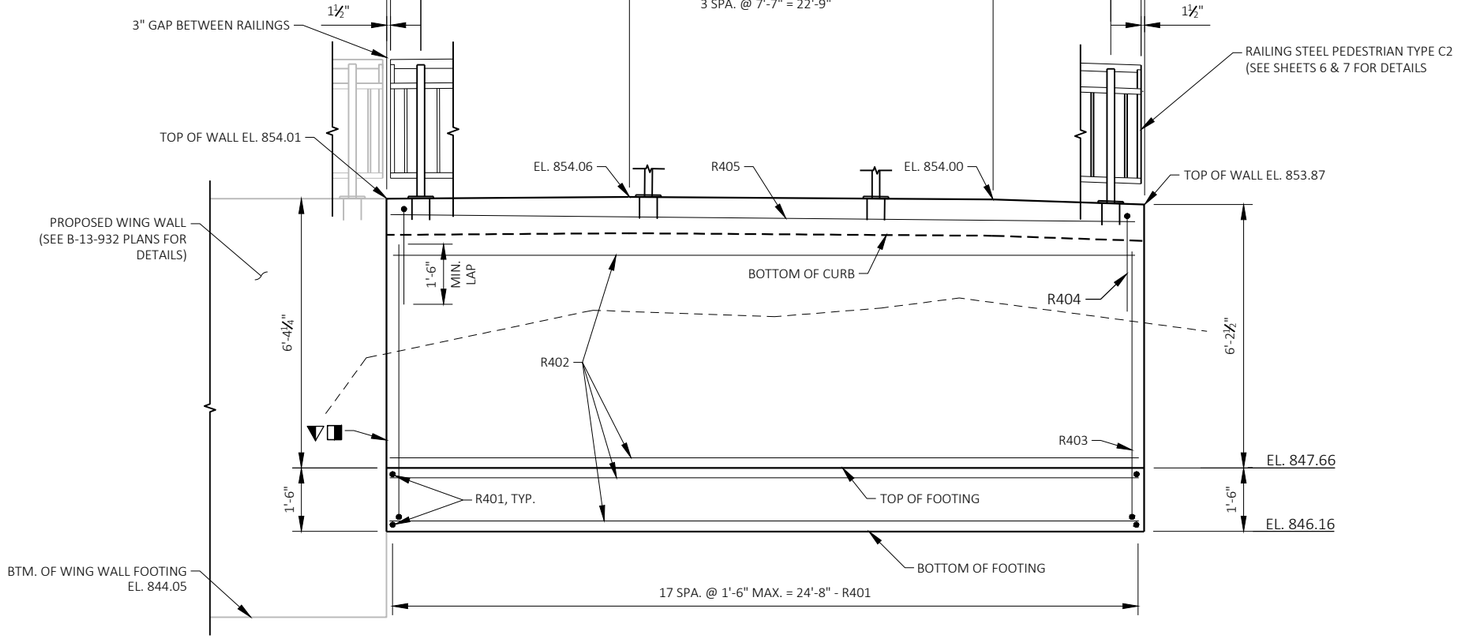
5992-11-28



PLAN

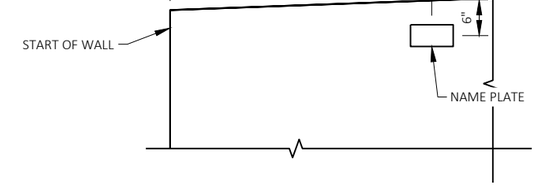
LEGEND

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPED 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-932.
- 18-INCH RUBBERIZED WATERPROOFING ON BACKFACE.
- VERTICAL JOINT BETWEEN R-13-408 AND B-13-932 WING WALL. FILL JOINT WITH ½" PERFORMED FILLER BETWEEN RETAINING WALL AND WING WALL. SEAL HORIZ. AND VERT. SURFACES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



ELEVATION

LOOKING NORMAL TO WALL ALIGNMENT, F.F. WALL



NAME PLATE DETAIL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

DRAWN BY GWK | PLANS CK'D CDH

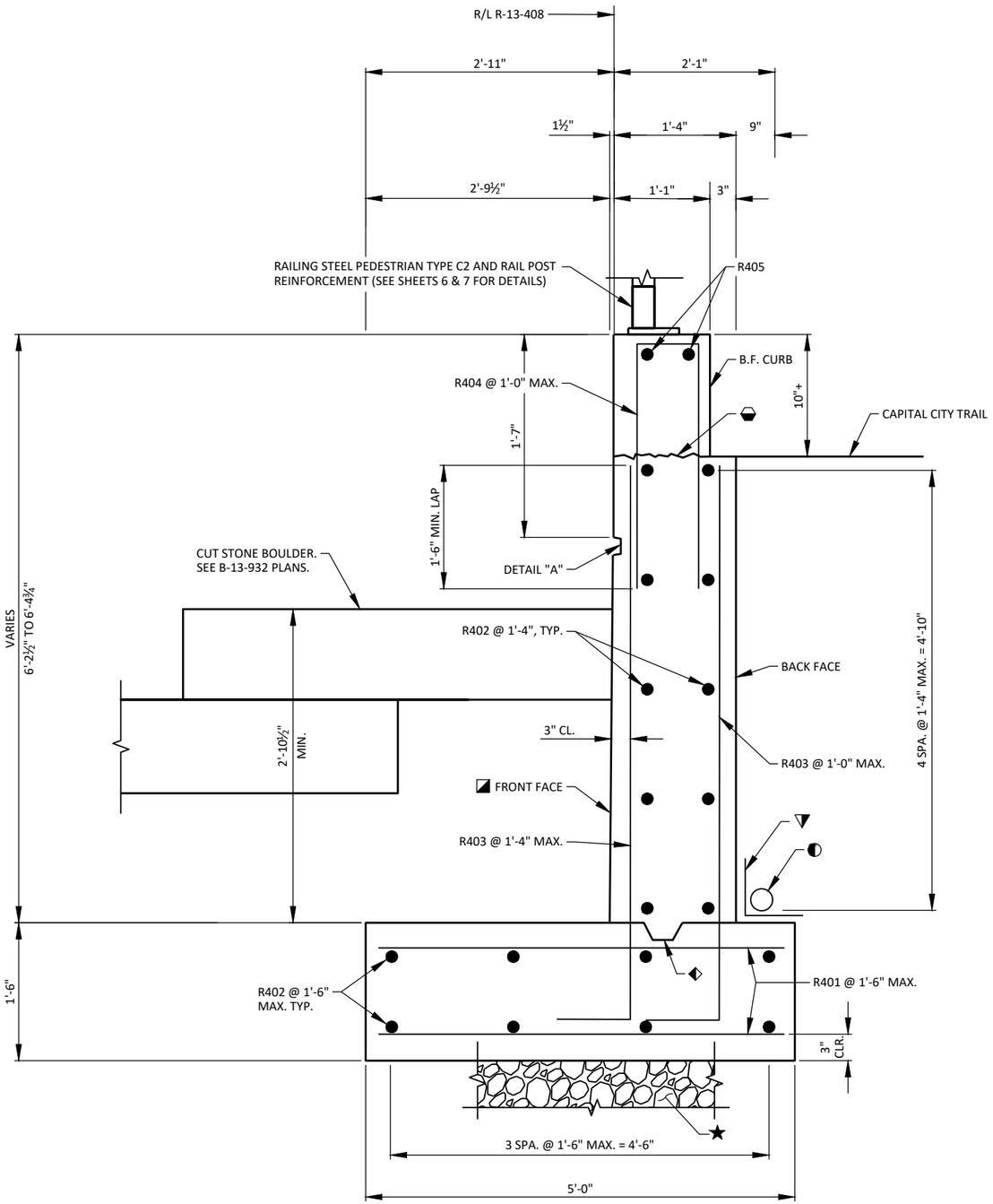
WALL DETAILS

SHEET 4

1300

STATE PROJECT NUMBER

5992-11-28

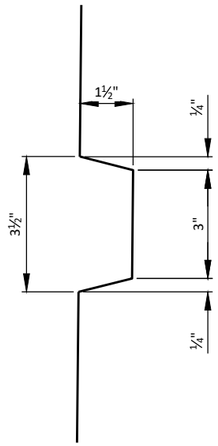


WALL TYPICAL SECTION

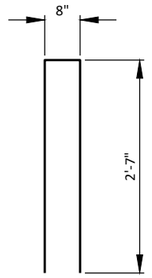
TOTAL COATED WEIGHT: 350 LBS
TOTAL UNCOATED WEIGHT: 410 LBS

BILL OF BARS

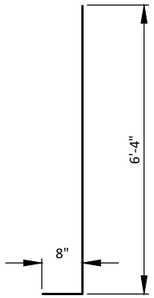
BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
R401	36	4'-8"			FOOTING HORIZ. TRANS. TOP & BOT.
R402	18	24'-8"			FOOTING AND STEM HORIZ. LONGIT.
R403	46	6'-11"	X	X	STEM VERT. B.F. & F.F.
R404	26	5'-8"	X	X	STEM VERT. STIRRUP
R405	2	24'-8"	X		STEM TOP HORIZ. LONGIT.



DETAIL A



R404



R403

LEGEND & NOTES

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FFROM B-13-932
- KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- BATTER FRONT FACE ¼" PER FOOT.
- SEE SHEETS 1 & 2 FOR UNDERCUT DETAILS.
- OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-932 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

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SECTIONS & REINFORCEMENT

SHEET 5
1301

8

8

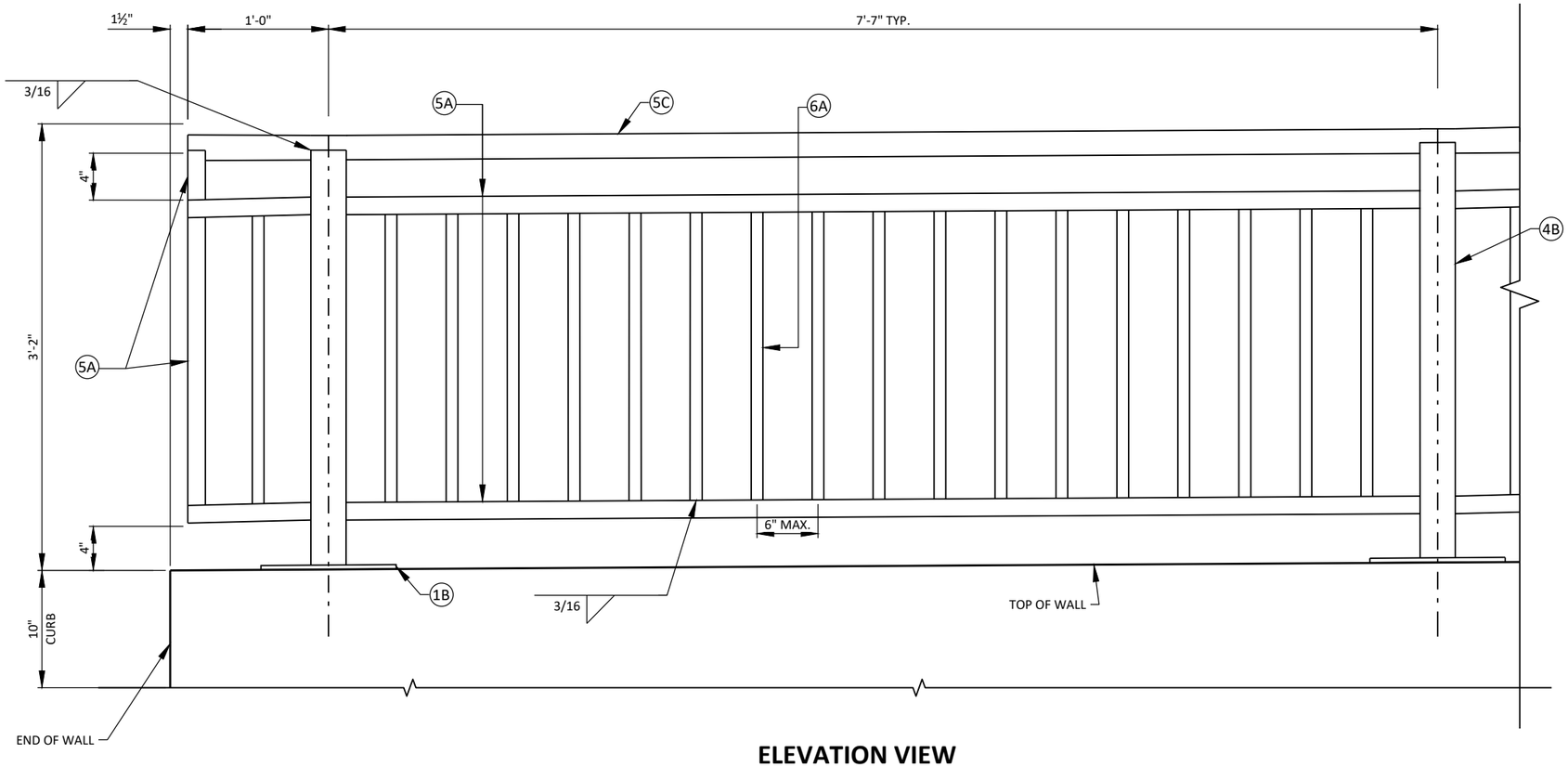
STATE PROJECT NUMBER

5992-11-28

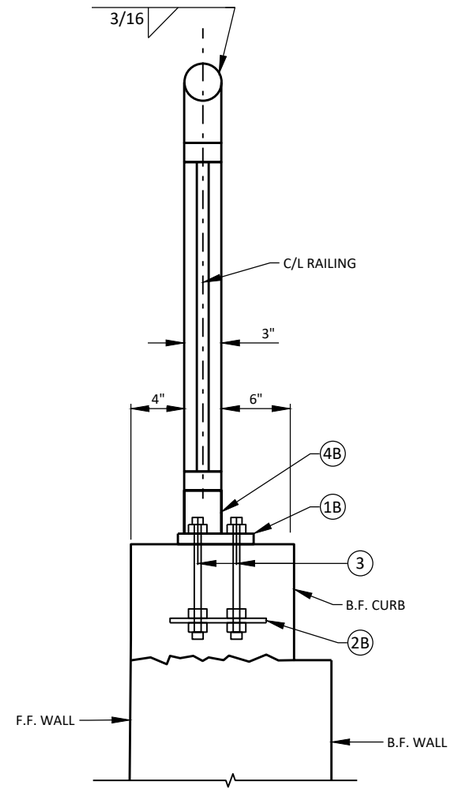
NOTES

SEE SHEET 4 FOR RAIL POST SPACING.

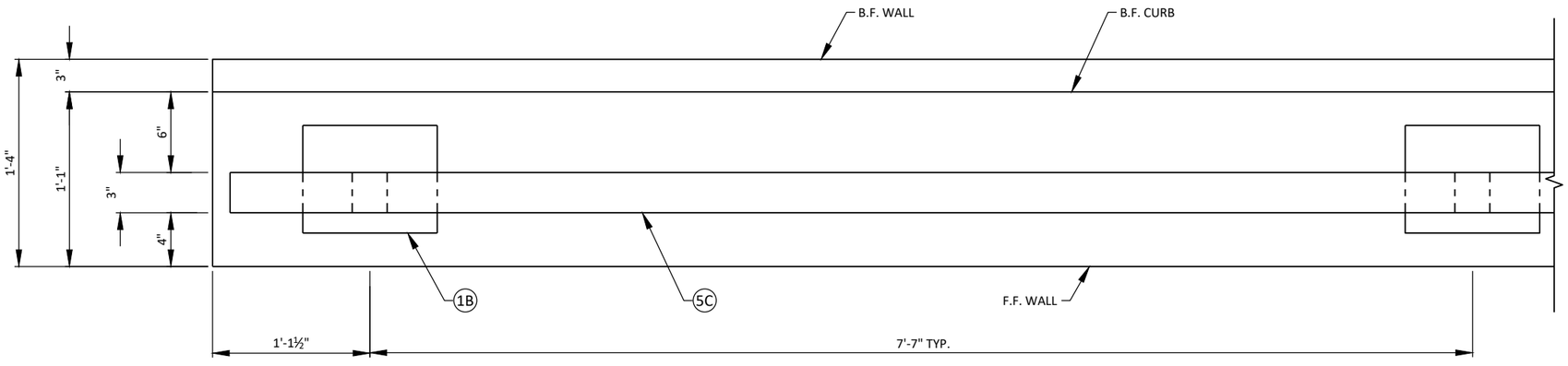
SEE SHEET 7 FOR LEGEND.



ELEVATION VIEW



TYPICAL SECTION VIEW THRU RAIL



PLAN VIEW

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

DRAWN BY GWK | PLANS CK'D CDH

RAILING STEEL PEDESTRIAN TYPE C2

SHEET 6

1302

8

8

STATE PROJECT NUMBER

5992-11-28

LEGEND

(1B) PLATE $\frac{5}{8}$" X 8" X 10" WITH $\frac{3}{4}$" HOLES. ◪

(2B) $\frac{1}{4}$" X 6" X 9$\frac{3}{4}$" ANCHOR PLATE WITH $\frac{11}{16}$" DIA. HOLES FOR THR'D. RODS NO.3.

(3) $\frac{5}{8}$" DIA. X 10$\frac{1}{2}$" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS $\frac{5}{8}$" INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X $\frac{3}{16}$". PLACE VERTICAL. WELD TO NO.1 & 5.

(5A) STRUCTURAL TUBING 3" X 1$\frac{1}{2}$" X $\frac{3}{16}$" RAILS. WELD TO NO.1 & NO.4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(5C) STRUCTURAL TUBING 2$\frac{1}{2}$" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO.1 & 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

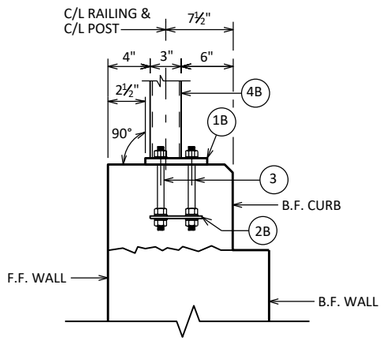
(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(9A) RECTANGULAR SLEEVE FABRICATED FROM $\frac{3}{16}$" PLATES. PROVIDE "SLIDING FIT".

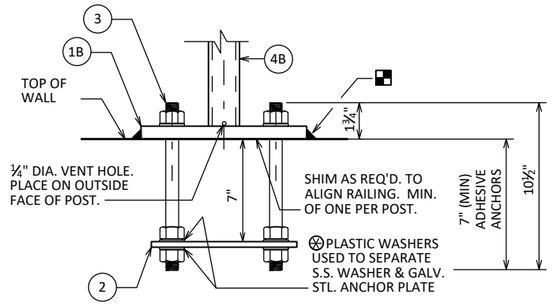
(9B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

(10A) RECTANGULAR SLEEVE FABRICATED FROM $\frac{3}{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

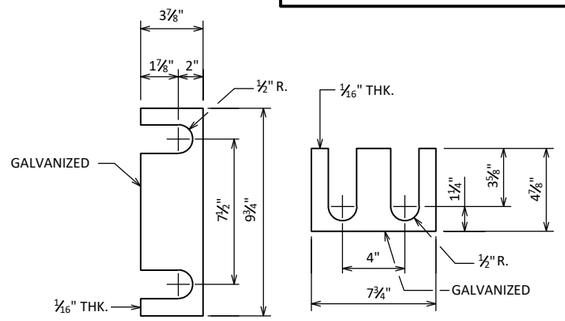
(10B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)



SECTION THRU WALL

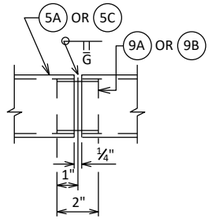


ANCHORAGE FOR RAIL POSTS



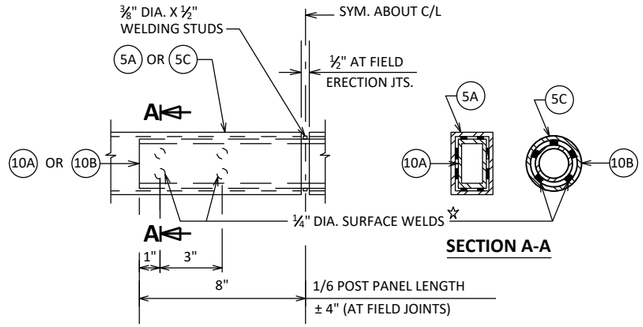
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POST



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHING OR STUDS MAY BE USED AS AN ALTERNATE.

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

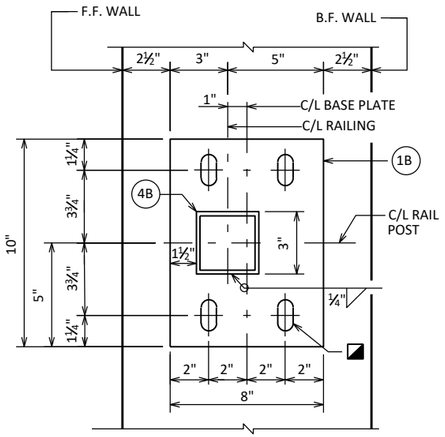
ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

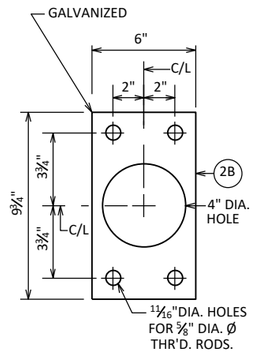
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

◪ ¾" DIA HOLES FOR ADHESIVE ANCHORS.
¾" DIA X 1½" SLOTTED HOLES FOR CAST-IN-PLACE ANCHORS.



TYPICAL RAIL POST BASE PLATE



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-408

DRAWN BY GWK | PLANS CK'D CDH

RAILING DETAILS

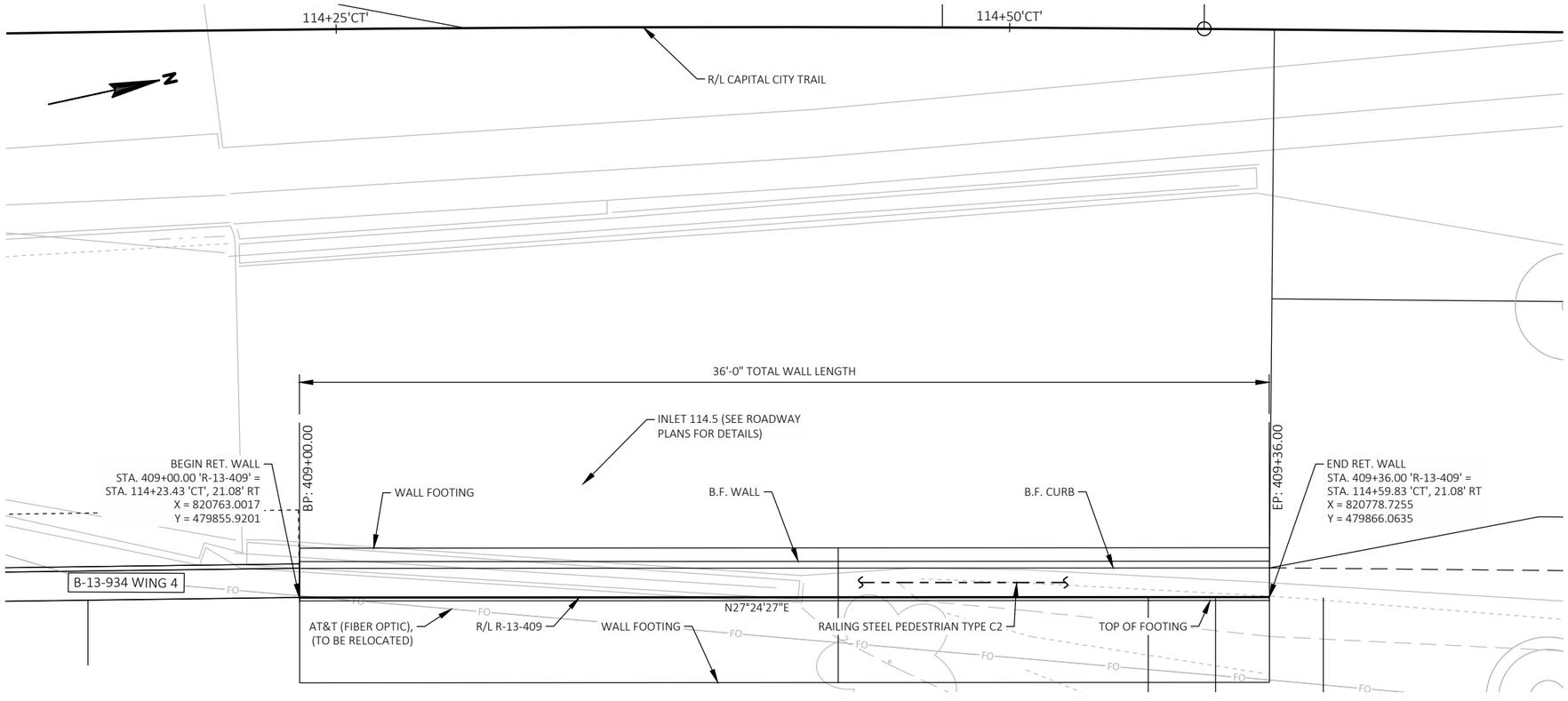
SHEET 7
1303

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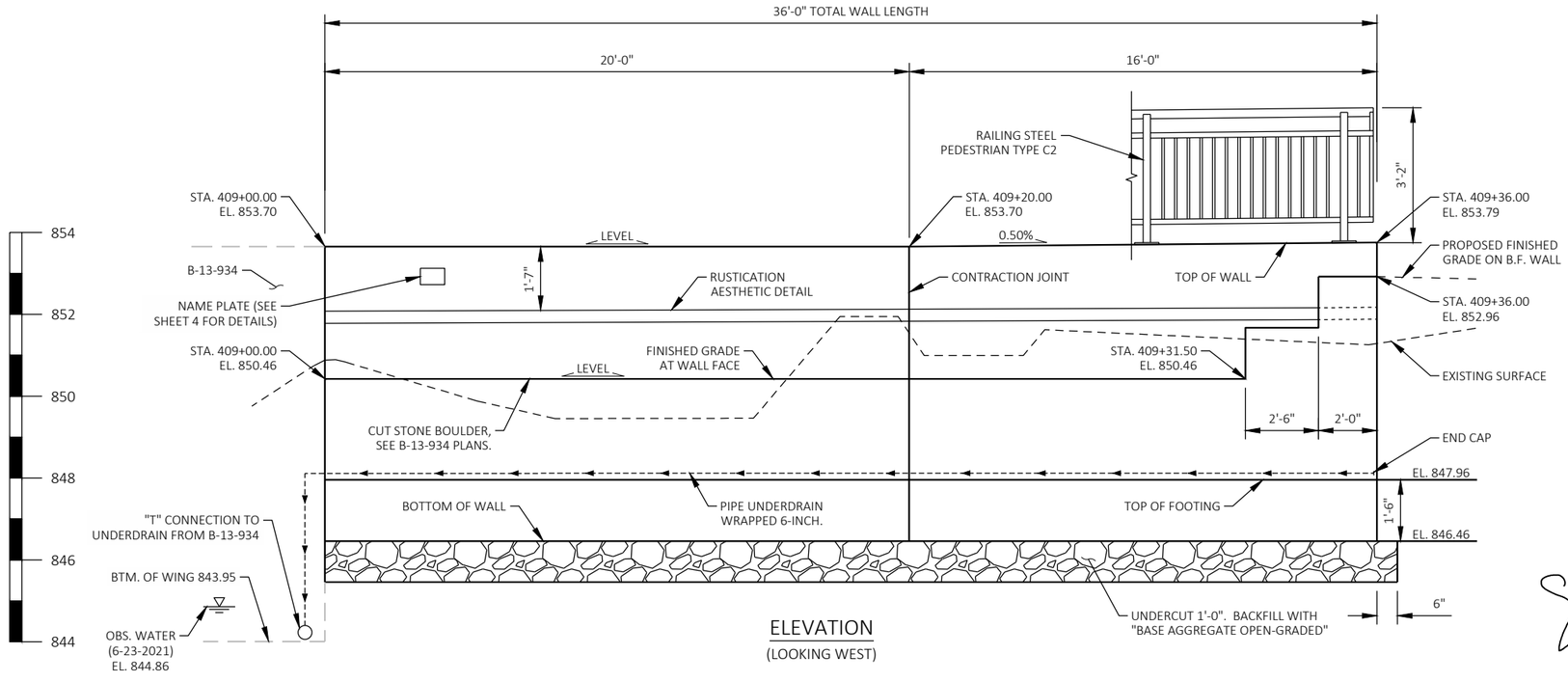
STATE PROJECT NUMBER

5992-11-28



PLAN

(CAST-IN-PLACE CONCRETE RETAINING WALL)



ELEVATION

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:
240 PSF SURCHARGE

MATERIAL PROPERTIES:
CONCRETE MASONRY.....f'c = 3,500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60..... f'c = 60,000 P.S.I.

FOUNDATIONS:
ALLOWABLE BEARING PRESSURE:.....1,000 PSF

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION
2. TYPICAL SECTION & DETAILS
3. SUBSURFACE EXPLORATION
4. WALL DETAILS
5. SECTIONS AND REINFORCEMENT
6. RAILING STEEL PEDESTRIAN TYPE C2
7. RAILING DETAILS

STRUCTURE DESIGN CONTACTS:

BRIDGE OFFICE:
AARON BONK (608) 261-0261
CONSULTANT:
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

KL Engineering [A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ 06/25/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-13-409

WALL ALONG CAPITAL CITY TRAIL

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
GWK	CDH	GWK	CDH

GENERAL PLAN & ELEVATION

SHEET 1 OF 7
1304

SCALE =

I.D.

DATE:

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

June 24, 2025

8

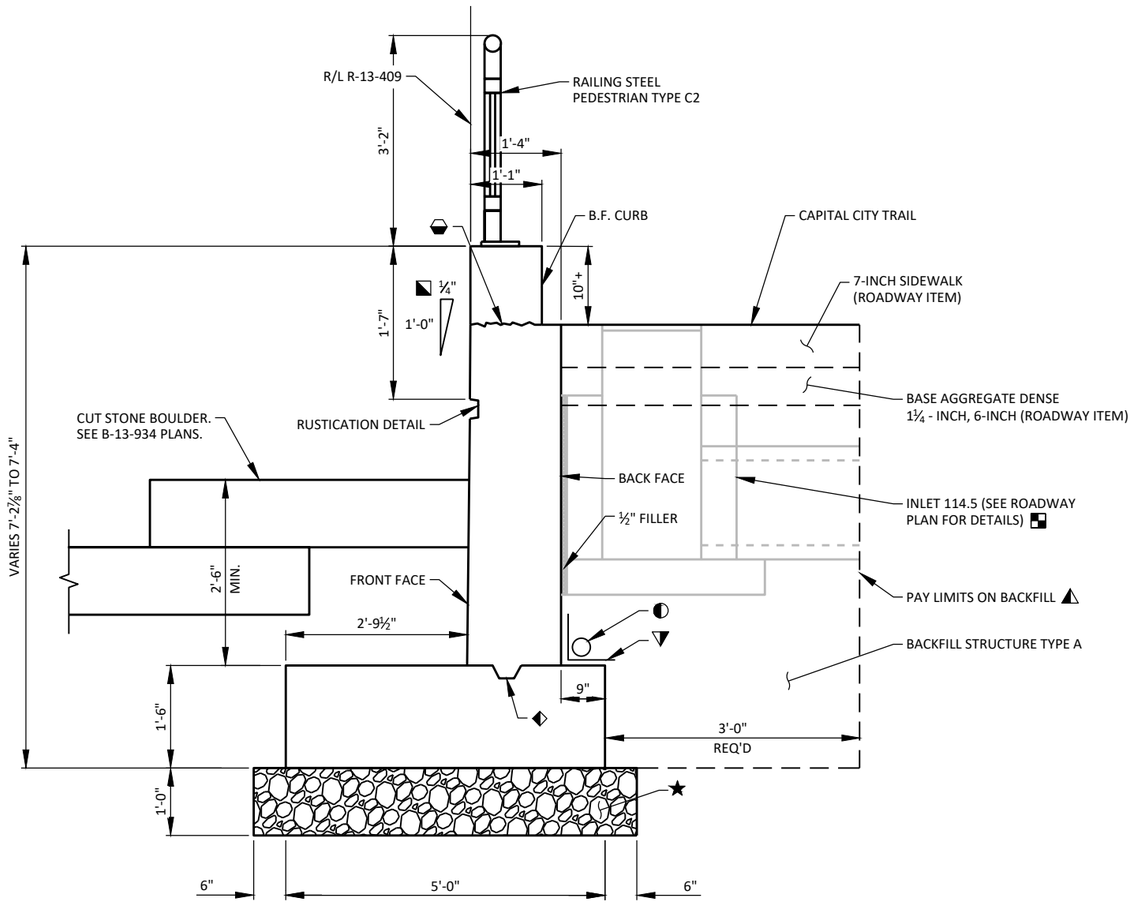
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STATE PROJECT NUMBER
5992-11-28

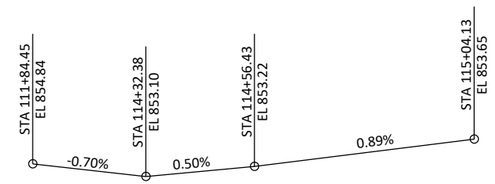
TOTAL ESTIMATED QUANITITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL
206.3001.12	EXCAVATION FOR STRUCTURES RETAINING WALLS R-13-409	EACH	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	52
310.0110	BASE AGGREGATE OPEN-GRADED	TON	15
502.3210	PIGMENTED SURFACE SEALER	SY	8
504.0500	CONCRETE MASONRY RETAINING WALLS	CY	23
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	590
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	480
513.8011	RAILING STEEL PEDESTRIAN TYPE C2	LF	36
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	7
517.1010.S.12	CONCRETE STAINING R-13-409	SF	191
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	40
	NON-BID ITEMS		
	PERFORMED JOINT FILLER	SIZE	1/2"
	NAME PLATE	EACH	1

ALL BID ITEMS SHOWN ARE CATEGORY 0080



TYPICAL SECTION THRU WING WALL



PROFILE GRADE LINE - CAPITAL CITY PATH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4", UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY NAD83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12B.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

ALL STATIONS AND DIMENSIONS ARE ALONG THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THESE PLANS ARE FOR A CAST-IN-PLACE (CIP) CONCRETE CANTILEVER WALL.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AND STORM SEWERS AS MAY BE NECESSARY TO AVOID DAMAGE.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS.

CONTRACTOR MUST COORDINATE THE CONSTRUCTION OF R-13-409 WITH BRIDGE B-13-934.

CONCRETE STAINING OF FEDERAL COLOR #26622 PEARL GRAY IS TO BE APPLIED TO THE FRONT FACE OF THE WALL, FRONT AND BACK FACE AND TOP OF THE CURB.

LEGEND & NOTES

- BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-934.
- KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- BATTER FRONT FACE OF WALL ¼" PER FOOT.
- UNDERCUT 1'-0". EXCAVATION TO BE INCLUDED IN EXCAVATION FOR STRUCTURES. BACKFILL WITH "BASE AGGREGATE OPEN-GRADED".
- CAST IN PLACE OPTION SHOWN. IF PRECAST INLET IS USED, PLACE ½" FILLER BETWEEN WALL AND INLET.
- OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-934 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-409

DRAWN BY GWK | PLANS CK'D CDH

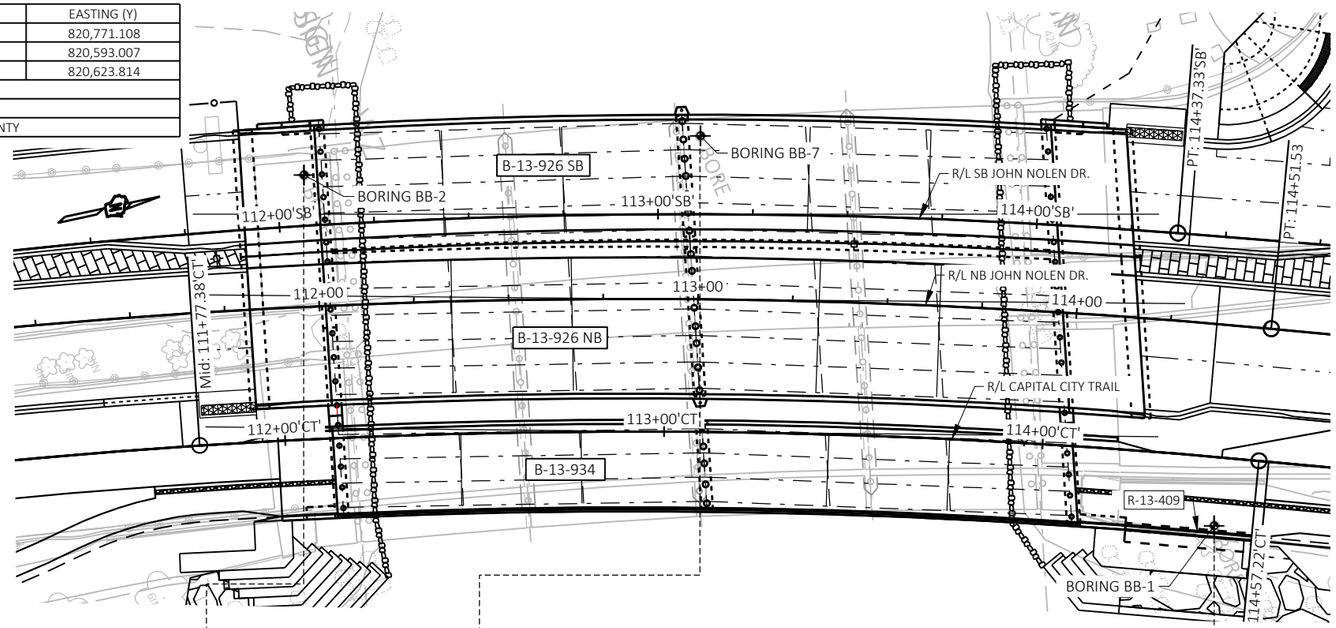
TYPICAL SECTION & DETAILS

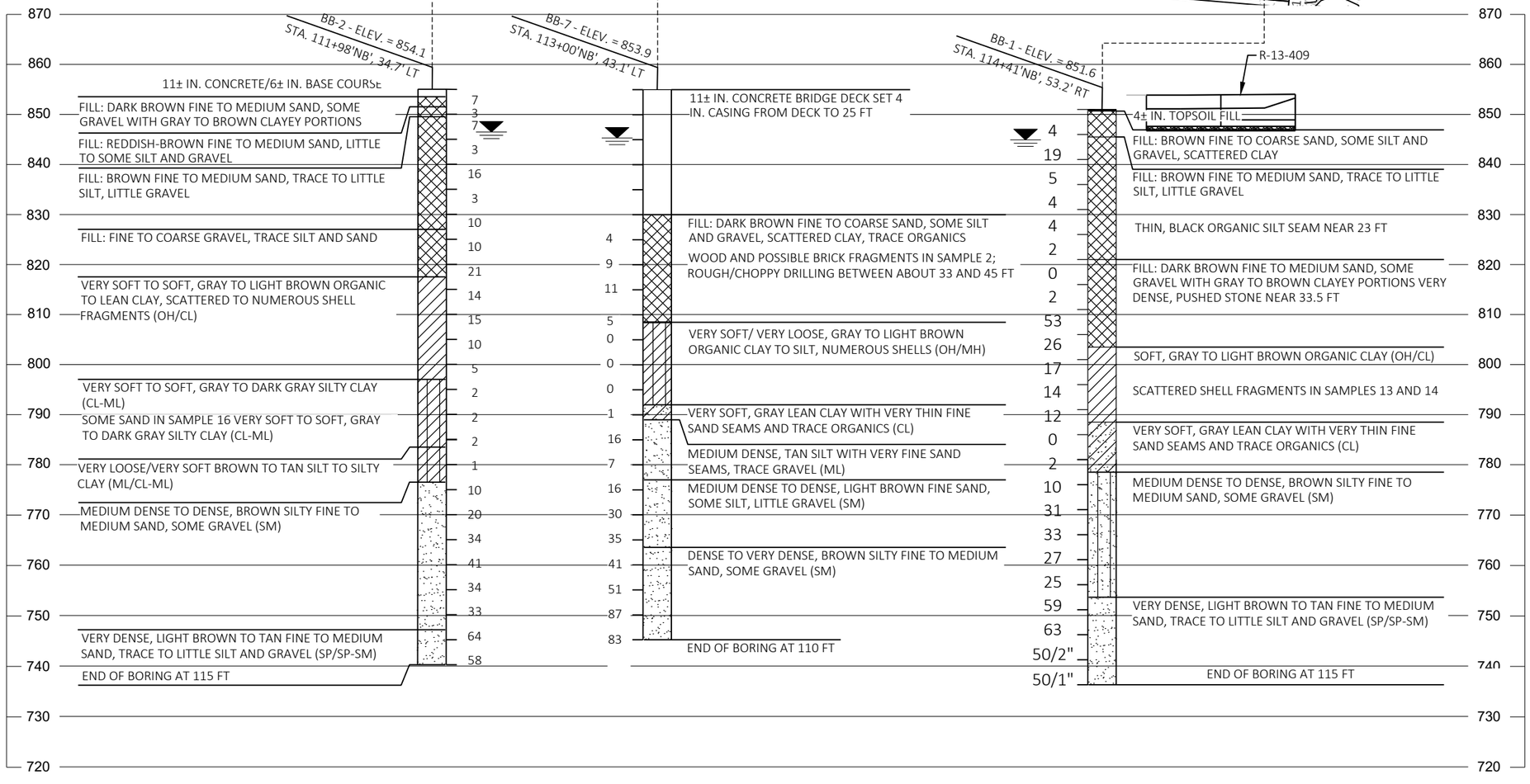
SHEET 2
1305

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BORING #	DATE COMPLETED	NORTHING (X)	EASTING (Y)
BORING BB-1	6/6/2023	479,877.899	820,771.108
BORING BB-2	5/4/2023	479,692.095	820,593.007
BORING BB-7	4/4/2023	479,972.570	820,623.814
BORINGS COMPLETED BY: CGC, INC.			
REPORT COMPLETED BY: CGC, INC.			
ALL COORDINATES REFERENCED TO WCCS NAD DANE COUNTY			





8

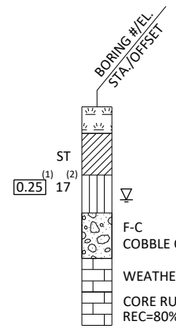
STATE PROJECT NUMBER

5992-11-28

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT, CONCRETE, FILL, GRAVEL, SAND, CLAY, SILT, BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN), SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-13-409

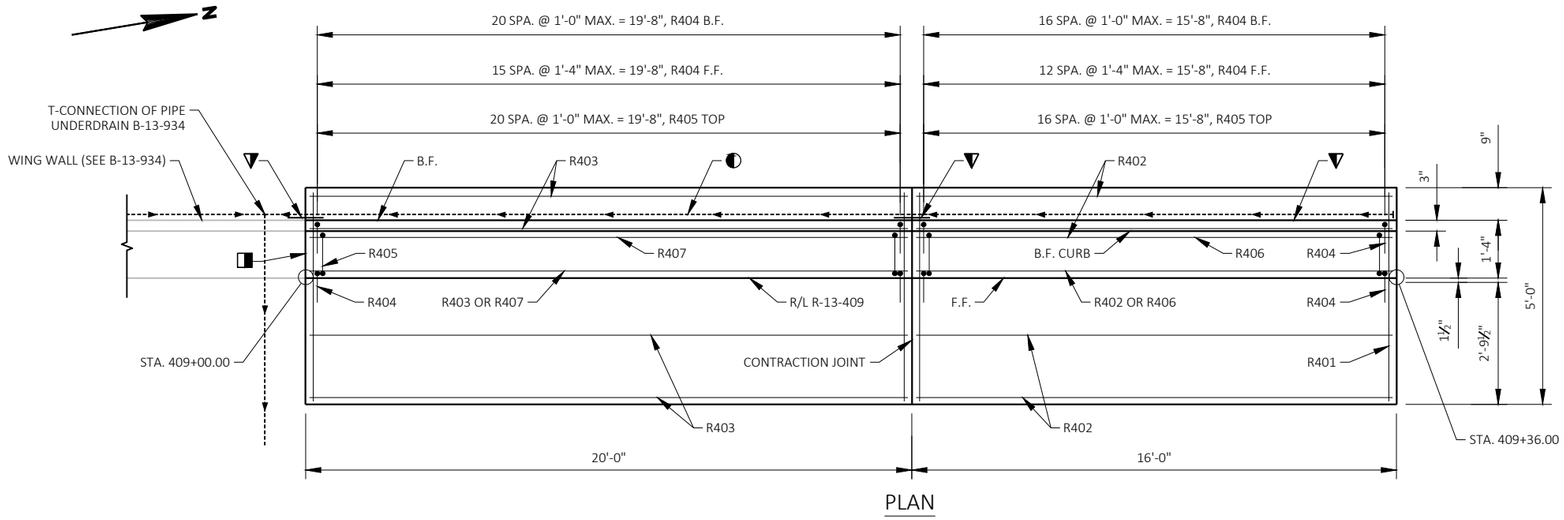
DRAWN BY STD | PLANS CK'D CDH

SUBSURFACE EXPLORATION

SHEET 3
1306

SCALE =

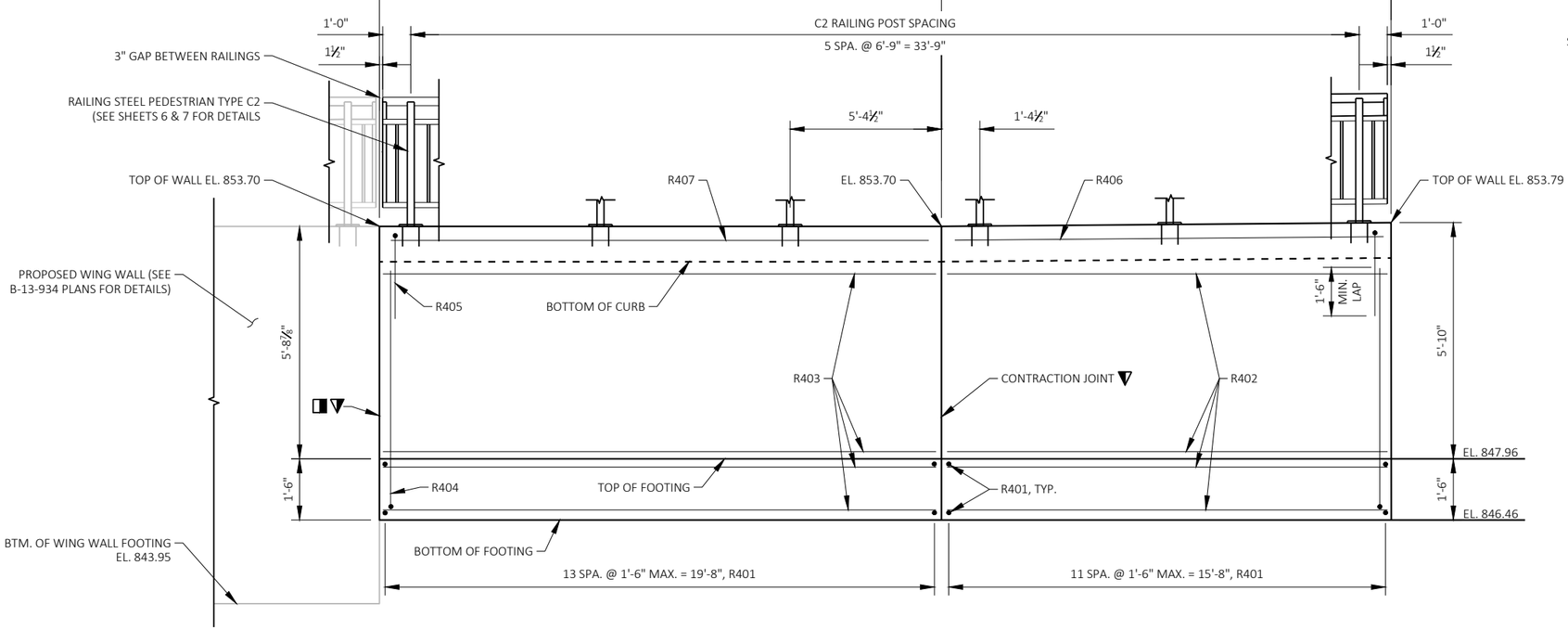
STATE PROJECT NUMBER
5992-11-28



PLAN

LEGEND

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPED 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FROM B-13-934.
- 18-INCH RUBBERIZED WATERPROOFING ON BACKFACE.
- VERTICAL JOINT BETWEEN R-13-409 AND B-13-934 WING WALL. FILL JOINT WITH ½" PERFORMED FILLER BETWEEN RETAINING WALL AND WING WALL. SEAL HORIZ. AND VERT. SURFACES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE).



ELEVATION

LOOKING NORMAL TO WALL ALIGNMENT, F.F. WALL



NAME PLATE DETAIL

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-409

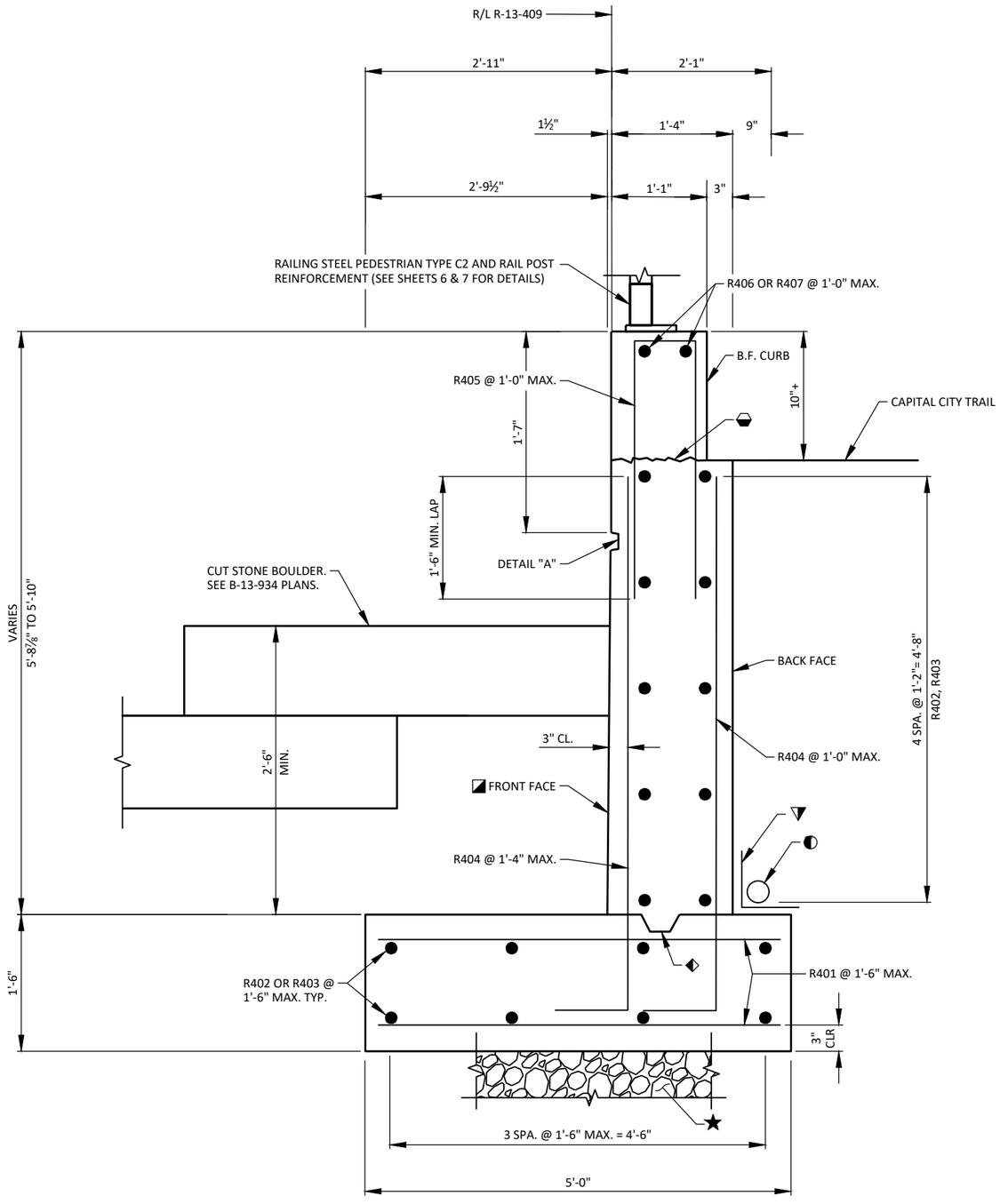
DRAWN BY GWK | PLANS CK'D CDH

WALL DETAILS

SHEET 4
1307

STATE PROJECT NUMBER

5992-11-28



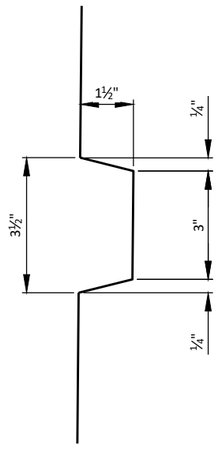
WALL TYPICAL SECTION

BILL OF BARS

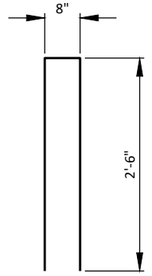
TOTAL COATED WEIGHT: 480 LBS

TOTAL UNCOATED WEIGHT: 590 LBS

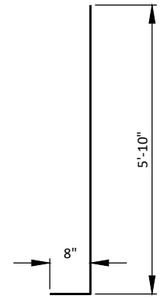
BAR MARK	NO. REQ'D.	LENGTH	COAT	BENT	LOCATION
R401	52	4'-8"			FOOTING HORIZ. TRANS. TOP & BOT.
R402	18	15'-8"			FOOTING AND STEM HORIZ. LONGIT.
R403	18	19'-8"			FOOTING AND STEM HORIZ. LONGIT.
R404	67	6'-5"	X	X	STEM VERT. B.F. & F.F.
R405	38	5'-6"	X	X	STEM VERT. STIRRUP
R406	2	15'-8"	X		STEM TOP HORIZ. LONGIT.
R407	2	19'-8"	X		STEM TOP HORIZ. LONGIT.



DETAIL A



R405



R404

LEGEND & NOTES

- PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. PROVIDE "T" CONNECTION TO UNDERDRAIN FFROM B-13-934
- KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"X6".
- RUBBERIZED MEMBRANE WATERPROOFING ON BACK FACE.
- BATTER FRONT FACE ¼" PER FOOT.
- SEE SHEETS 1 & 2 FOR UNDERCUT DETAILS.
- OPTIONAL CONSTRUCTION JOINT. PLACE CONCRETE ABOVE THIS JOINT AFTER B-13-934 DECK AND WINGWALL CURB ARE IN PLACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-409

DRAWN BY GWK | PLANS CK'D CDH

SECTIONS & REINFORCEMENT

SHEET 5
1308

8

8

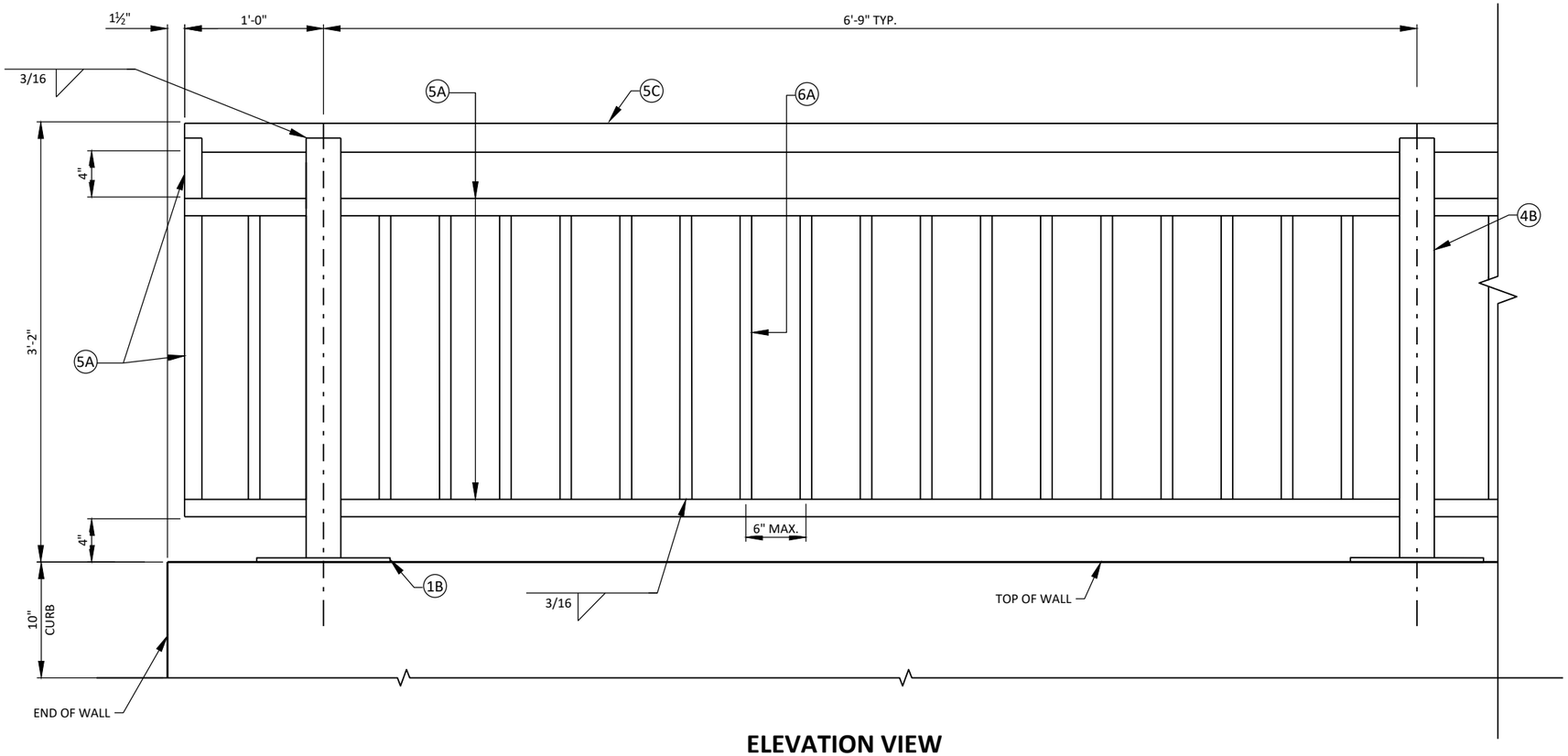
STATE PROJECT NUMBER

5992-11-28

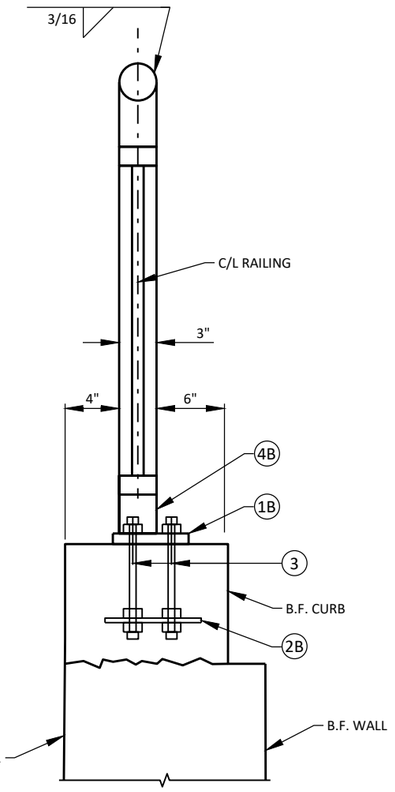
NOTES:

SEE SHEET 4 FOR RAIL POST SPACING.

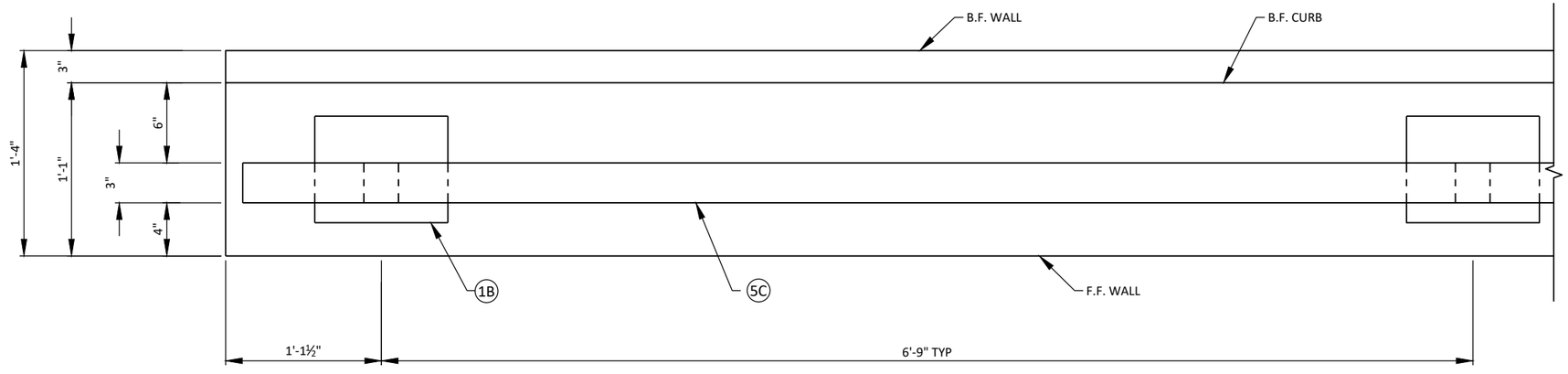
SEE SHEET 7 FOR LEGEND.



ELEVATION VIEW



TYPICAL SECTION VIEW THRU RAIL



PLAN VIEW

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-409

DRAWN BY GWK | PLANS CK'D CDH

RAILING STEEL PEDESTRIAN TYPE C2

SHEET 6

1309

8

8

STATE PROJECT NUMBER

5992-11-28

LEGEND

(1B) PLATE ⅝" X 8" X 10" WITH ¾" HOLES. ◪

(2B) ¼" X 6" X 9¾" ANCHOR PLATE WITH $^{13}/_{16}$" DIA. HOLES FOR THR'D. RODS NO.3.

(3) ⅝" DIA. X 10½" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝" INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS.

(4B) STRUCTURAL TUBING 3" X 3" X $^{3}/_{16}$". PLACE VERTICAL. WELD TO NO.1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X $^{3}/_{16}$" RAILS. WELD TO NO.1 & NO.4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(5C) STRUCTURAL TUBING 2½" DIA. (STANDARD SIZE) (2.875" O.D.). WELD TO NO.1 & 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

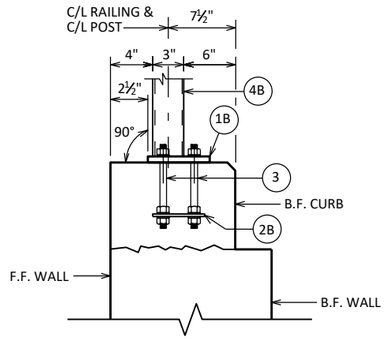
(6A) BAR 1" X 1" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. C/L TO C/L SPACING). PLACE VERTICAL.

(9A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. PROVIDE "SLIDING FIT".

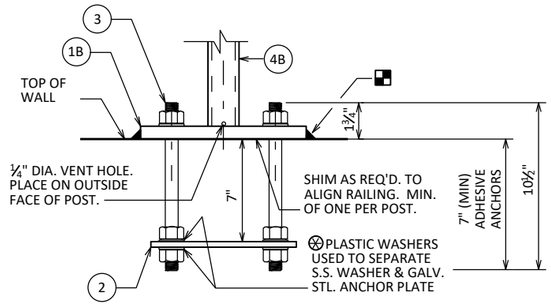
(9B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.)

(10A) RECTANGULAR SLEEVE FABRICATED FROM $^{3}/_{16}$" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

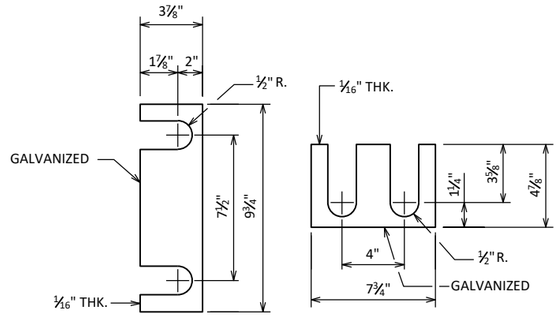
(10B) CIRCULAR SLEEVE FABRICATED FROM STRUCTURAL TUBING 2" DIA. (STANDARD SIZE) (2.375" O.D.) (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)



SECTION THRU WALL

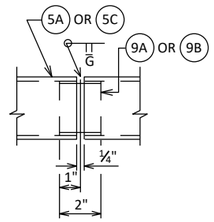


ANCHORAGE FOR RAIL POSTS



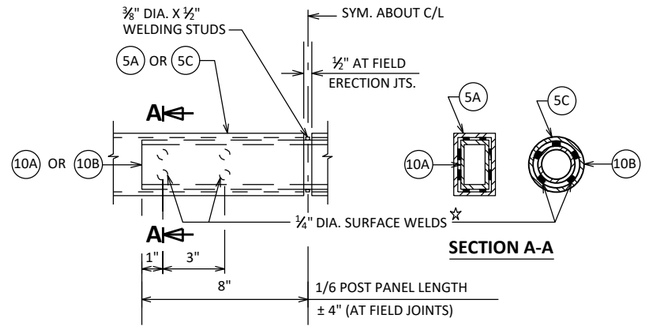
RAIL POST SHIM DETAIL

TWO SHIMS OF EACH SIZE REQUIRED PER POST



SHOP RAIL SPLICE DETAIL

(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

FIELD ERECTION JOINT DETAIL

☆ MIN. ⅝" FLAT SURFACE DIA. PUNCHING OR STUDS MAY BE USED AS AN ALTERNATE.

NOTES

BID ITEM SHALL BE "RAILING STEEL PEDESTRIAN TYPE C2", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

STEEL SHIMS SHALL BE PROVIDED & USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT, AND SHALL BE GALVANIZED.

◪ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

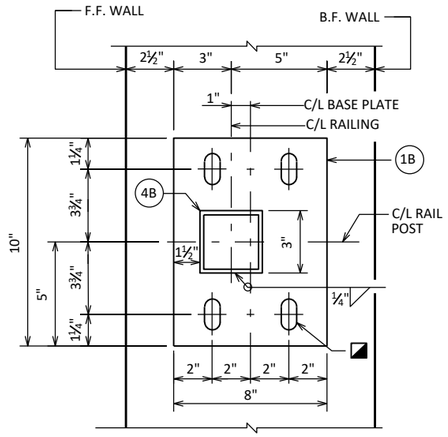
ALL MATERIAL (EXCEPT NO. 3 & 12) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK

RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.

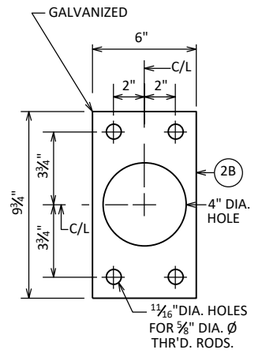
VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

◪ ¾" DIA HOLES FOR ADHESIVE ANCHORS.
¾" DIA X 1½" SLOTTED HOLES FOR CAST-IN-PLACE ANCHORS.



TYPICAL RAIL POST BASE PLATE



ANCHOR PLATE

NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-13-409

DRAWN BY	GWK	PLANS CK'D	CDH

RAILING DETAILS

SHEET 7
1310

8

8

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONs DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTREME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE:	1.0 NW (NATURAL WIND GUST)
	1.0 TrG (TRUCK INDUCED GUST)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'_c = 3,500 PSI

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— f_y = 60,000 PSI

STRUCTURAL ANGLES, PLATES & BARS - ASTM A709 GRADE 36 ——— f_y = 36,000 PSI

HIGH STRENGTH BOLTS - ASTM A3125 GRADE A325 ——— f_y = 92,000 PSI

ANCHOR RODS - ASTM F1554 GRADE 55 ——— f_y = 55,000 PSI

HEAVY HEX NUTS - ASTM A563 GRADE DH OR ASTM A194 GRADE 2H

WASHERS - ASTM F436

DTI WASHERS - ASTM F959 TYPE 325

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGN FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING THE DRILLING OF THE SHAFT HOLE TO CONFRIM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-13-579
531.2042	DRILLING SHAFT 42-INCH	LF	46
531.5440	FOUNDATION SINGLE-SHAFT TYPE TF-IV S-13-579	EA	2
532.5440	TRUSS FULL SPAN 2-CHORD TYPE IV S-13-579	EA	1

ALL BID ITEMS SHOWN ARE IN CATEGORY 0010

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA. A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE ¼ THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA.)".

STRUCTURE DATA

STRUCTURE ID	SIGN AREA	SIGN DEPTH	FOUNDATION TYPE	TRUSS TYPE
S-13-579	241 SF	7'-0"	TF-IV	TYPE TF-IV

LIST OF DRAWINGS:

1. GENERAL NOTES & DESIGN DATA
2. LAYOUT S-13-579

LIST OF STANDARD DESIGN DRAWINGS

3. I. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1
4. II. MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2
5. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
6. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

STATE PROJECT NUMBER

5992-11-21

TRAFFIC VOLUME

A.D.T. (2045) = 47,600
R.D.S. = 40 MPH

STRUCTURE DESIGN CONTACTS:

AARON BONK (608) 261-0261
SHELLY HARRIS (715) 309-5224

NO.	DATE	REVISION	BY

THESE ARE STANDARD DESIGN PLANS DEVELOPED AND MAINTAINED BY THE WISDOT. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISDOT BRIDGE MANUAL CHAPTER 39.

WISCONSIN
SHELLY K. HARRIS
E-100266-6
MONDOVI, WI
PROFESSIONAL ENGINEER

May 22, 2025

KL Engineering
[A] Better Experience

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED MJR 06/05/2025
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE S-13-579

JOHN NOLEN DRIVE

COUNTY	CITY
DANE	MADISON

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
GWK	CDH	GWK	CDH

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 6
1311

SCALE =

I.D.

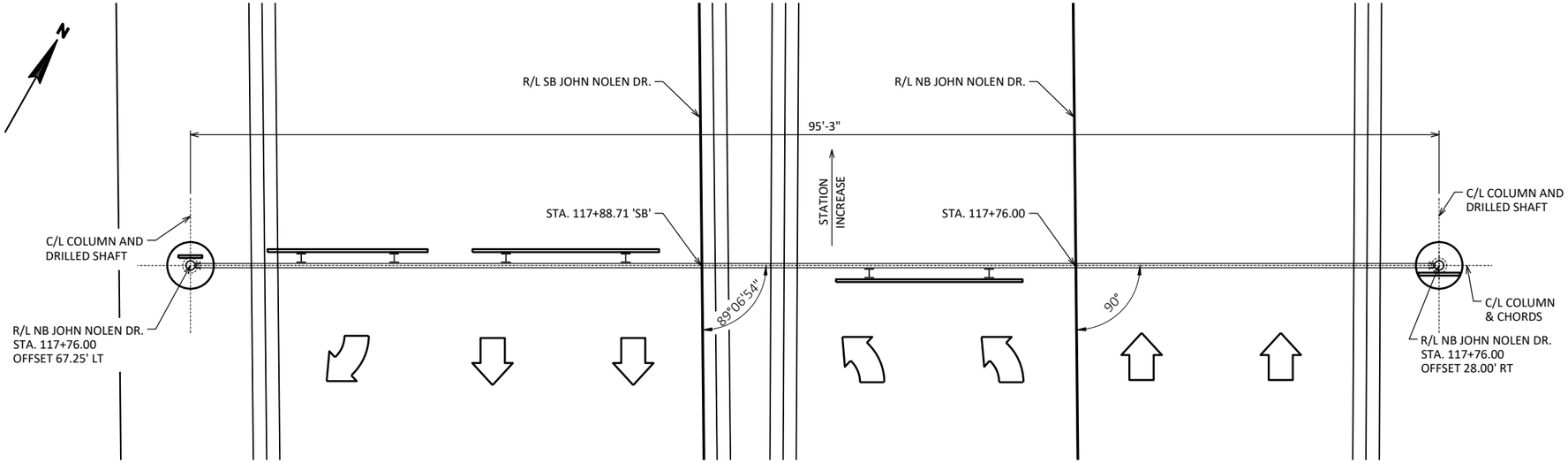
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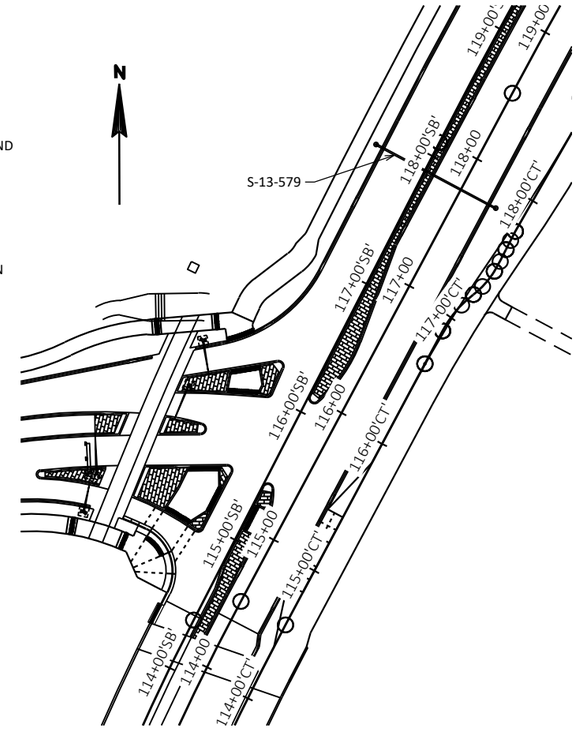
STATE PROJECT NUMBER

5992-11-21

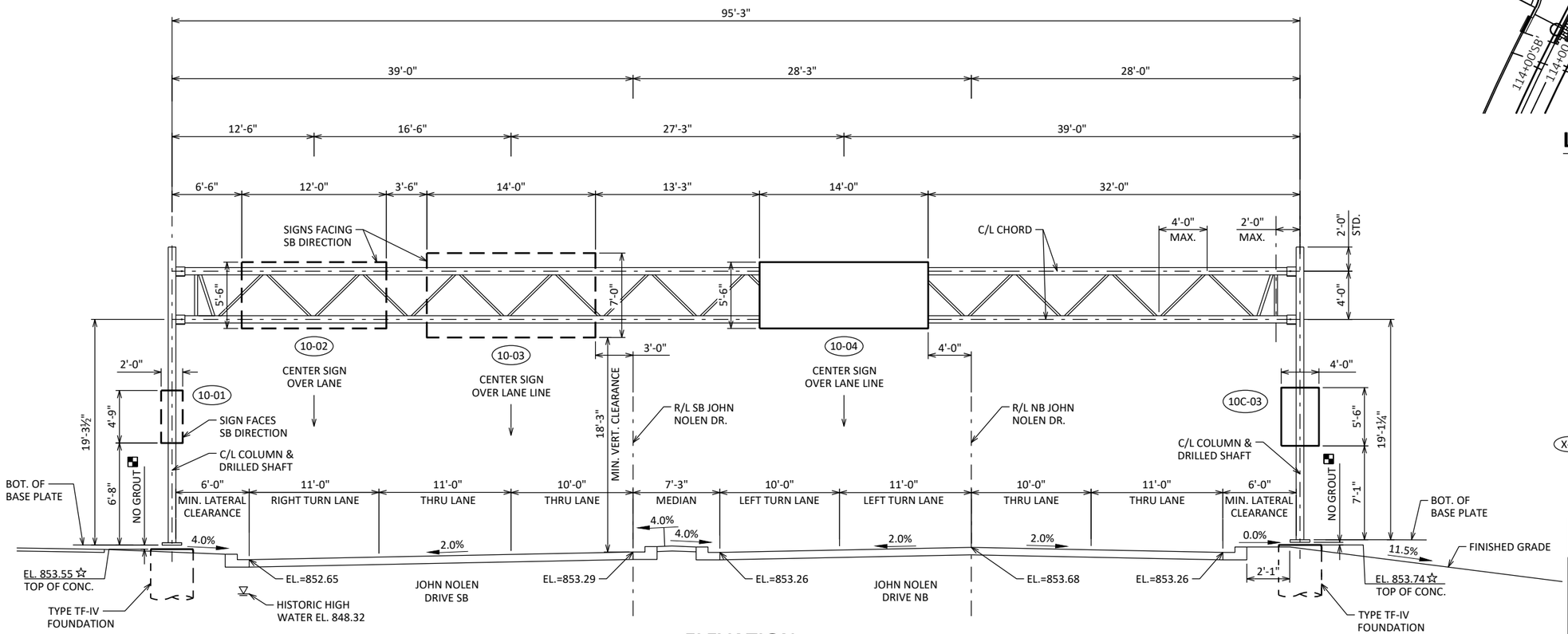


PLAN

STA. 117+76.00 (R/L NB JOHN NOLEN DR.)
0.05 MILES N. OF JOHN NOLEN DR & USH 151 INTERSECTION



LOCATION MAP



ELEVATION

STA. 117+76.00
LOOKING NORTH AT F.F. OF SIGN

NOTES

POINT OF MIN. VERTICAL CLEARANCE
STA. 117+76.00' NB
EL. = 853.29
ELEVATIONS ARE GIVEN ALONG C/L CHORD.

LEGEND

☆ ELEVATIONS GIVEN ALONG C/L STRUCTURE

(X-X) SIGN NUMBER, SEE PERMANENT SIGNING PLAN

STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAX. OF 2 x ANCHOR ROD DIAMETER. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE S-13-579

DRAWN BY GWK | PLANS CK'D CDH

LAYOUT S-13-579

SHEET 2 OF 6
1312

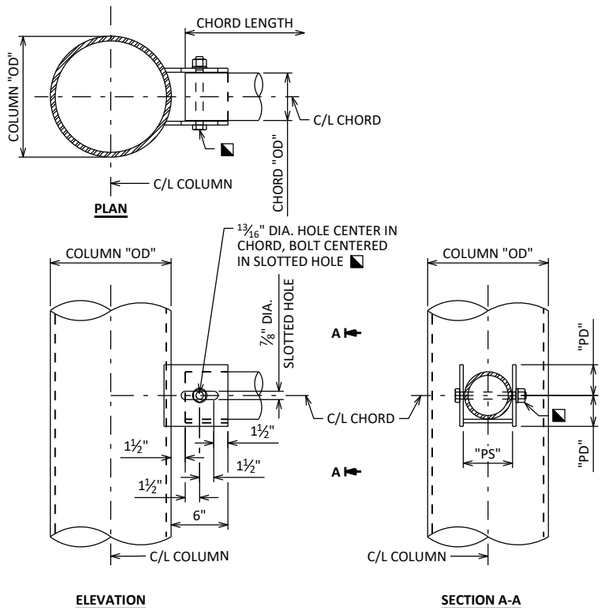
SCALE =

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STATE PROJECT NUMBER

STANDARD



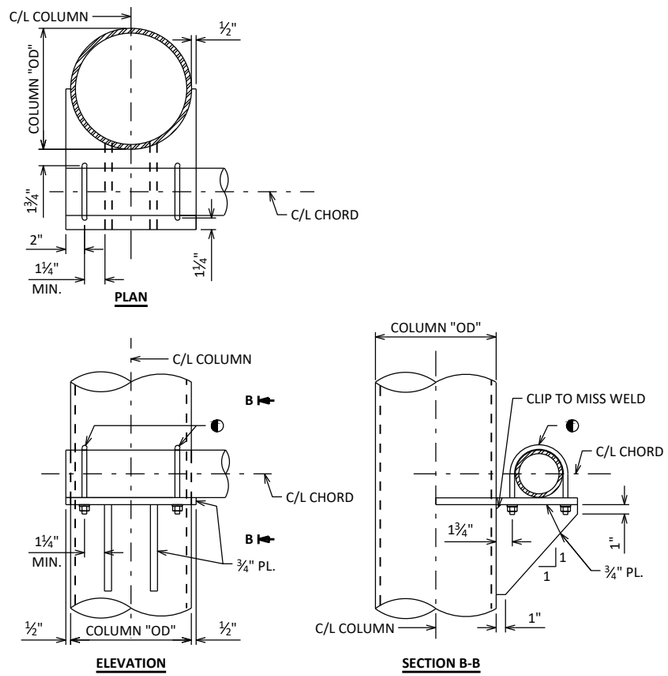
FULL SPAN SADDLE CONNECTION

PREFERRED OPTION

¾" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT AND WASHER SNUG TIGHT ONLY, DO NOT OVER TIGHTEN

"PD" = CHORD "OD"/2 + ¾"

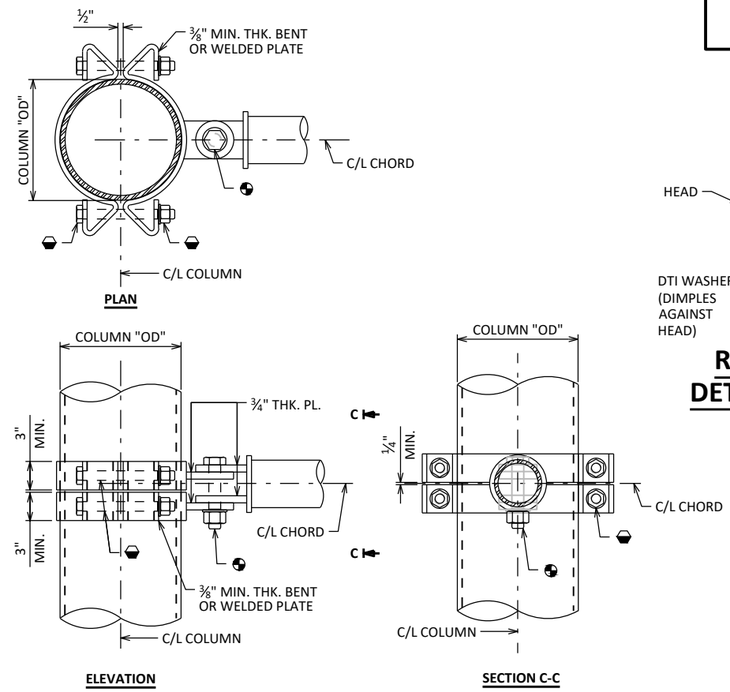
"PS" = CHORD "OD" + 1/16"



FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

MIN. (2) ½" MIN. GALVANIZED OR STAINLESS U-BOLT, LOCK NUT AND WASHER

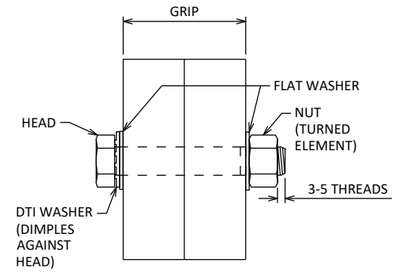


FULL SPAN CLAMP CONNECTION

ALTERNATE 2 - TAPERED COLUMNS ONLY

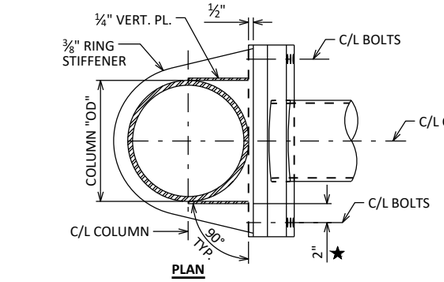
1¼" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

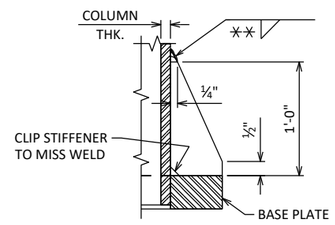
1" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

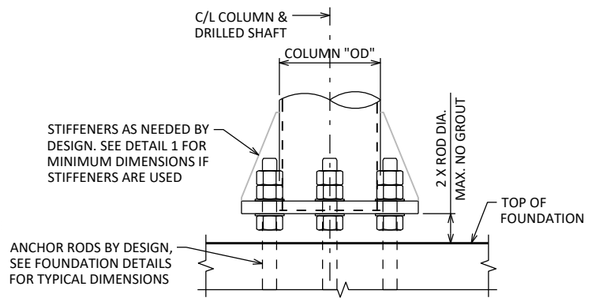


RECOMMENDED BOLT DETAIL WITH DTI WASHER

NUT IS TURNED ELEMENT



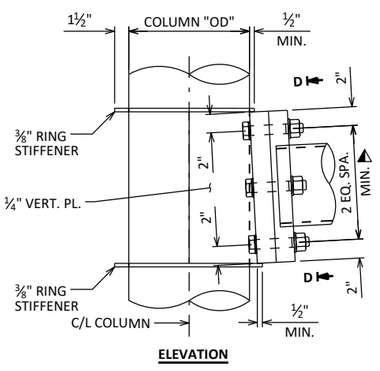


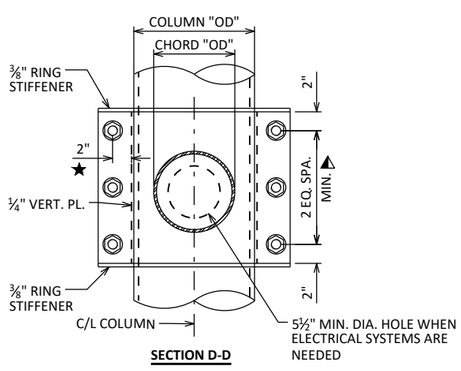


PREFERRED BASE PLATE CONNECTION

LOOKING AT F.F. OF STRUCTURE.

ALTERNATE BASE PLATE DESIGNS ALLOWED.

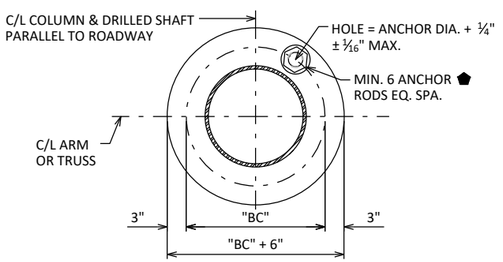




CANTILEVER POST TO CHORD CONNECTION

▲ MIN. (6) 1" GALVANIZED A325 HEAVY HEX BOLT, NUT, DTI WASHER AND WASHER

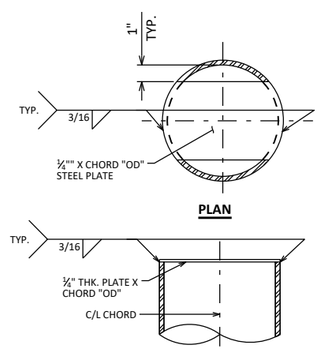
★ MIN. DIMENSIONS MEASURED FROM EXT. FACE OF VERTICAL PLATE.



BASE PLATE

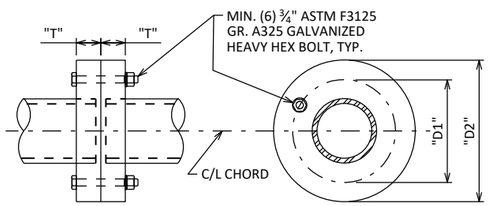
"BC" = COLUMN "OD" + 6"

⬟ ANCHOR SIZE AND ORIENTATION TO BE VERIFIED WITH SHOP DRAWINGS.



CHORD CAP DETAIL

CANTILEVERS ONLY



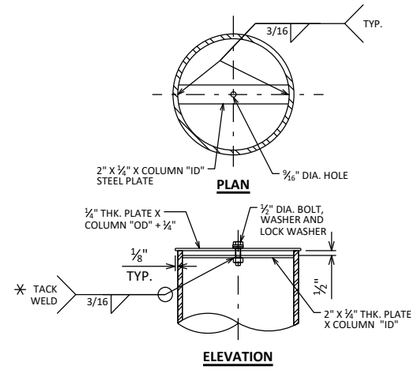
CHORD SPLICE DETAIL

"D1" = COLUMN "OD" + (1.5 x DB)

"D2" = COLUMN "OD" + (3 x DB)

"T" = (BY DESIGN)

DB = BOLT DIAMETER (BY DESIGN)



TOWER CAP DETAIL

✳ PLACE TACK WELD EVERY OTHER FLAT TO SECURE NUT.

ALTERNATE: USE ½" THK. PL. AND DRILL AND TAP HOLE FOR BOLT.

NOTES:

MINIMUM VALUES SHOWN. ALL CONNECTIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURAL LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: JAN. 2023

DRAWN BY: BOS | PLANS CK'D: BOS

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 1

SHEET 1 — 1313

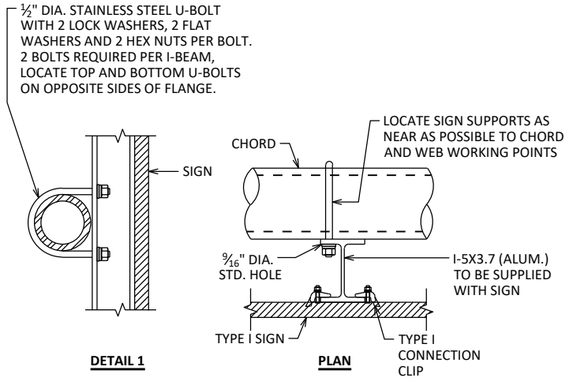
SCALE = 2.0

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8

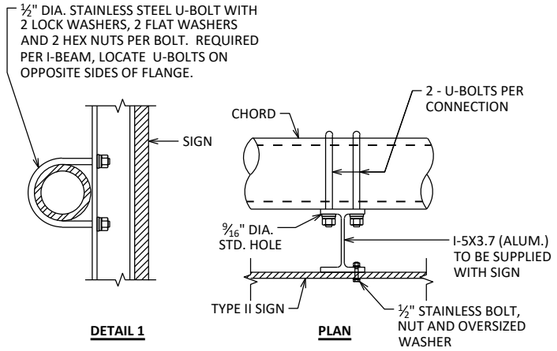
STATE PROJECT NUMBER

STANDARD



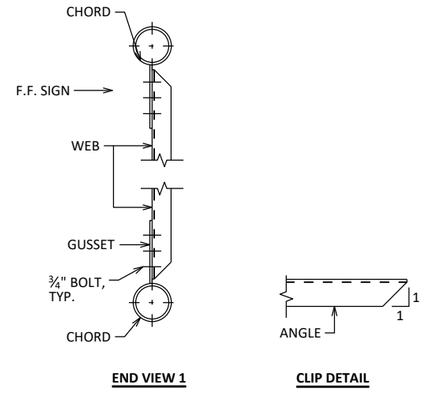
2-CHORD TRUSS SIGN CONNECTION

TYPE I SIGN PANEL SHOWN.
SEE SIGN PLATE MANUAL A4-7A AND A4-7BFOR DETAILS.
ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH SIGN PANEL, HARDWARE TO BE SUPPLIED BY THE CONTRACTOR.



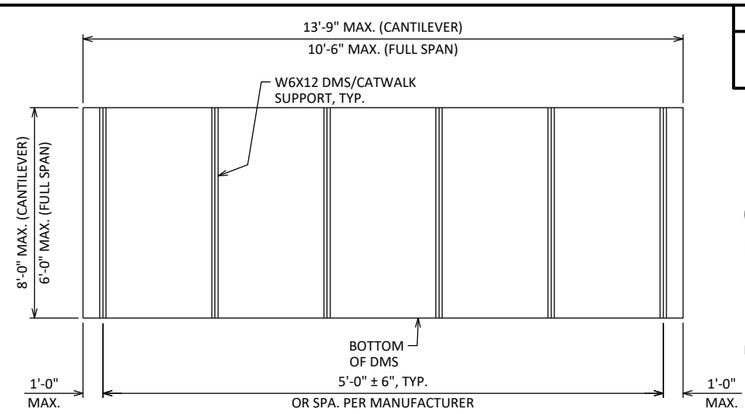
MONOTUBE SIGN CONNECTION

TYPE II SIGN PANEL SHOWN.
SEE SIGN PLATE MANUAL A4-7A AND A4-7B FOR DETAILS.
ALUMINUM I-5X3.7 I-BEAMS ARE TO BE SUPPLIED WITH SIGN PANEL, HARDWARE TO BE SUPPLIED BY THE CONTRACTOR.



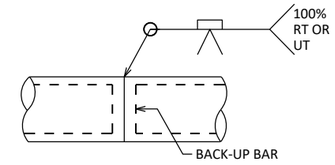
TRUSS CONNECTION DETAILS

MEMBER ORIENTATION FOR BOLTED CONNECTIONS SHOWN, WELDED CONNECTIONS SIMILAR.
ANGLES PREFERRED, OTHER WEB DESIGNS ALLOWED.



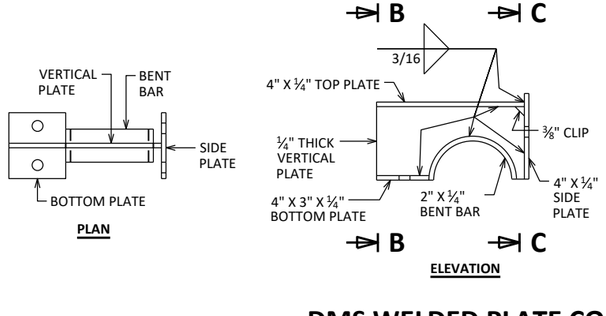
DMS MOUNTING POST DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF SPACING CONFLICTS WITH GUSSET PLATES OF TRUSS WITHIN TOLERANCES NOTED.



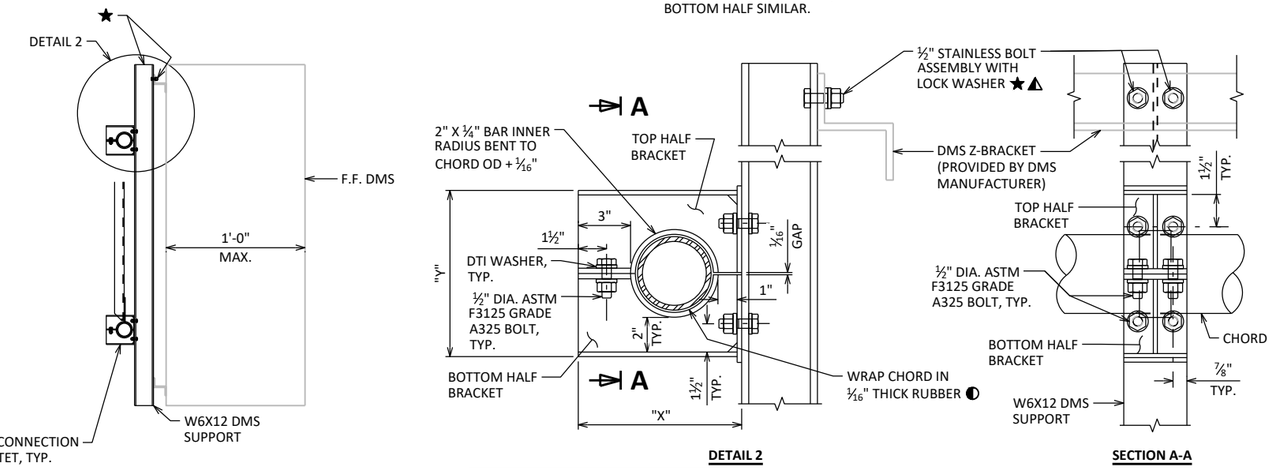
CHORD SPLICE

SEPARATE OPTIONAL SPLICE FROM GUSSET PLATES BY 6" MIN.



DMS WELDED PLATE CONNECTION DETAILS

TOP HALF OF BRACKET SHOWN, BOTTOM HALF SIMILAR.



CHORD "OD"	"X"	"Y"
"OD"	"OD" + $4\frac{13}{16}$"	"OD" + $5\frac{5}{16}$"

TYPICAL DMS CONNECTION

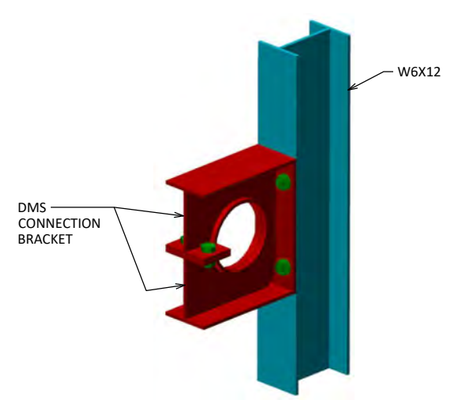
◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD. SPEC. 506.2.6.1

⚠ IF DMS CONNECTION BRACKET IS USED WITH A TYPE II SIGN PANEL, THE BOLT HOLE MUST BE GALVANIZED AND A STAINLESS WASHER USED BETWEEN THE I-BEAM AND SIGN PANEL.

SECTION THRU TRUSS - DMS

FOR DMS/CATWALK CONNECTIONS

★ W6X12 SUPPORTS AND HARDWARE ARE TO BE SUPPLIED BY THE CONTRACTOR. ½" STAINLESS BOLT, NUT, WASHER AND LOCK WASHER REQUIRED, 4 PER W6X12



3-D VIEW OF DMS CONNECTION

CHORD NOT SHOW FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: OCT. 2023

DRAWN BY BOS | PLANS CK'D BOS

MONOTUBE & 2-CHORD TRUSS CONNECTIONS 2

SHEET II
1314

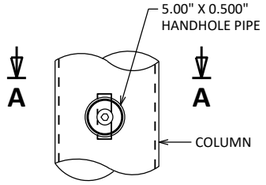
SCALE = 4.0

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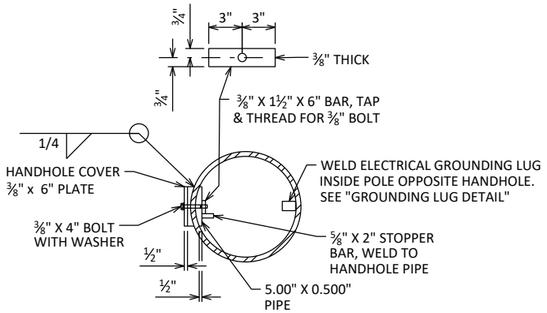
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STATE PROJECT NUMBER

STANDARD



ELEVATION

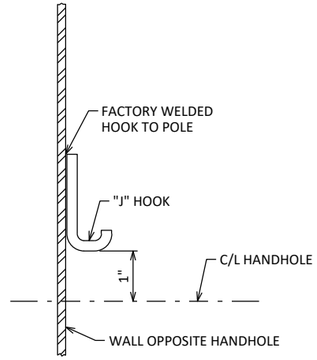


SECTION A-A

HANDHOLE DETAILS

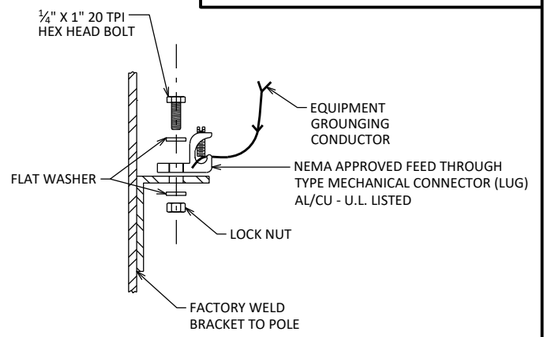
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN BRIDGE STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN BRIDGE COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS OTHERWISE NOTED, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



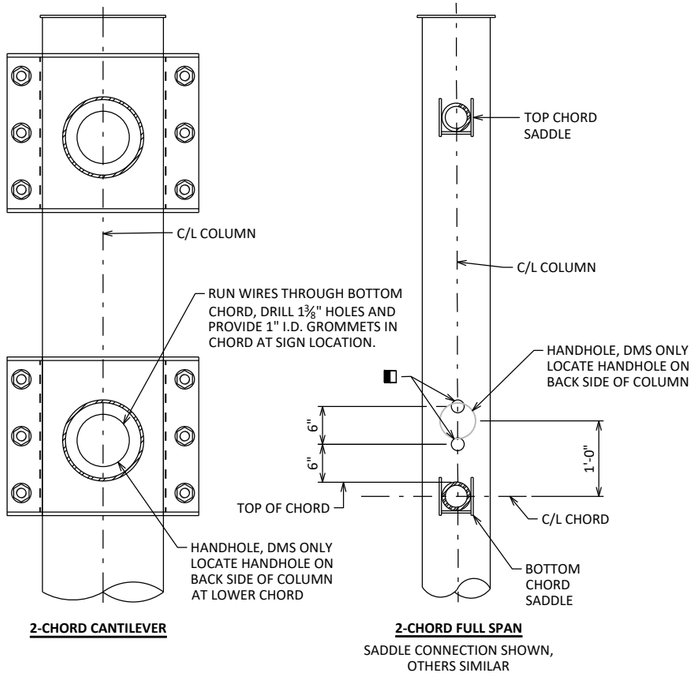
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF THE COLUMN CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



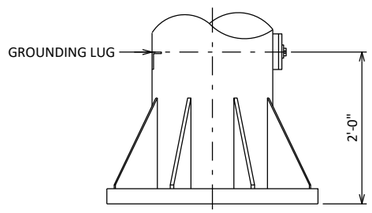
2-CHORD CANTILEVER

2-CHORD FULL SPAN

SADDLE CONNECTION SHOWN, OTHERS SIMILAR

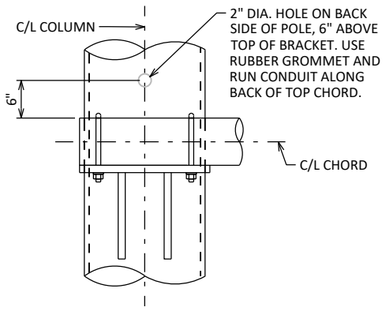
CONDUIT HOLE LOCATIONS

◧ 2" HOLE WITH STANDARD PIPE THREADS, USE THREADED CONDUIT PLUG FOR UNUSED HOLES

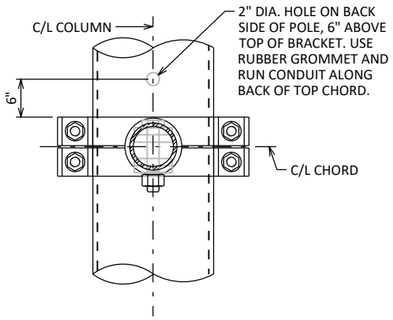


GROUNDING LUG LOCATION

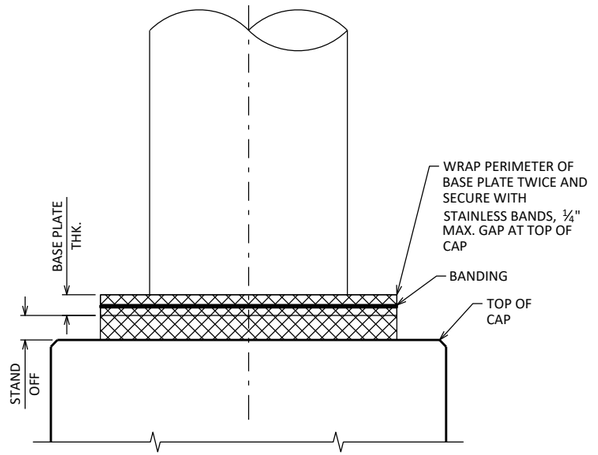
LOOKING AT THE F.F. OF STRUCTURE



FULL SPAN STIFFENED BEARING CONNECTION

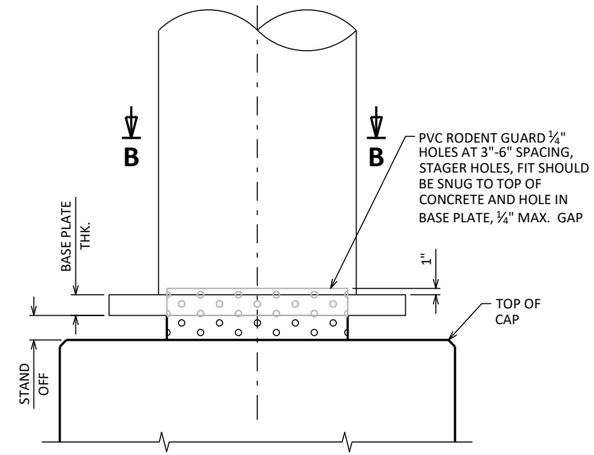


FULL SPAN CLAMP CONNECTION



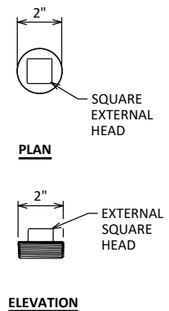
RODENT SCREEN

ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN



RODENT SCREEN - ALTERNATE

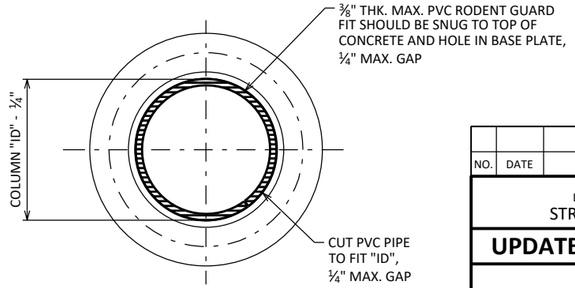
ONLY REQ'D WHEN ELECTRICAL DEVICES ARE PRESENT
ANCHOR RODS NOT SHOWN



PLAN

ELEVATION

CONDUIT PLUG DETAILS



SECTION B-B

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: OCT. 2024

DRAWN BY BOS | PLANS CK'D BOS

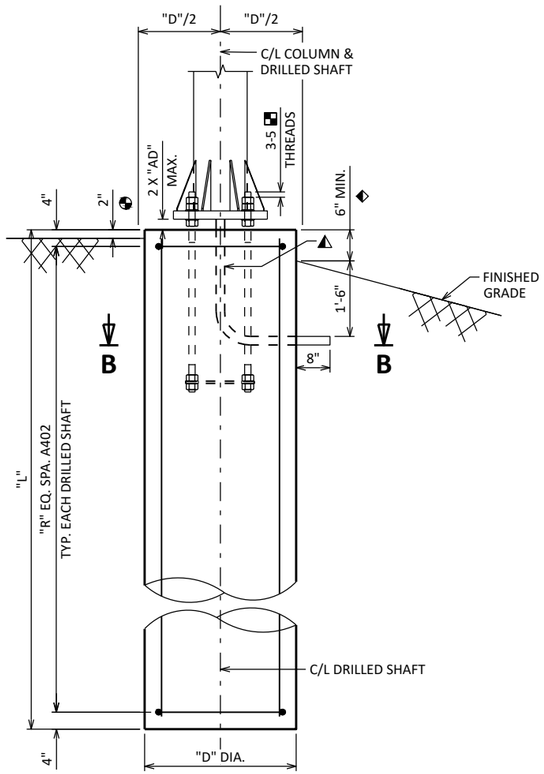
MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III
1315

SCALE = 2.0

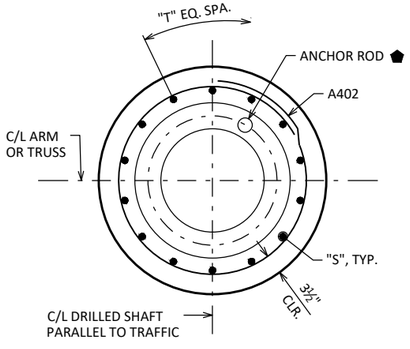
8

8



ELEVATION

- TYPICAL FOR DRILLED SHAFT FOOTINGS INSTALLED ADJACENT TO SIDEWALKS OR BEHIND CURB AND GUTTER ON LOW SPEED ROADS. TOP OF SHAFT SHALL BE FLUSH IF SURROUNDED BY CONCRETE AND 2" ABOVE FINISHED GRADE FOR ALL OTHER SURFACES.
- TYPICAL FOR EACH DRILLED SHAFT FOOTING INSTALLED ADJACENT TO ROADWAY FACILITIES OR ON SIDE SLOPES WITHIN CLEAR ZONE. BARRIER OR BEAMGUARD MAY BE REQUIRED.



SECTION B-B

TYPICAL FOR EACH DRILLED SHAFT FOOTING

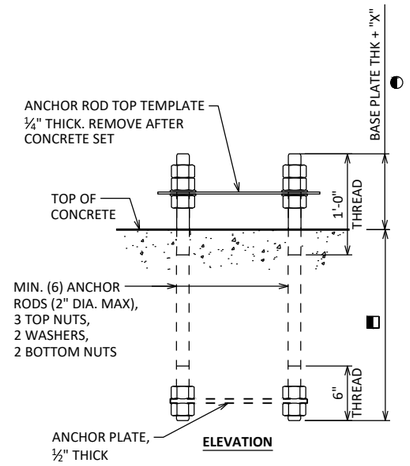
FOUNDATION DIMENSION DATA

STANDARD DESIGN TYPE	FOUNDATION DIMENSIONS						
	"A"	"D"	"L"	"R"	"S"	"T"	"BC" MAX.
MFI	1'-11"	2'-6"	12'-0"	12	A801	10	1'-5"
MCI/MCII/TFI	1'-11"	2'-6"	17'-0"	17	A801	10	1'-5"
MFII	2'-5"	3'-0"	13'-0"	13	A801	14	1'-10"
TCI	2'-5"	3'-0"	18'-0"	18	A801	14	1'-10"
TFII	2'-5"	3'-0"	20'-0"	20	A801	14	1'-10"
MCIII/TCII/TFIII	2'-11"	3'-6"	18'-0"	18	A901	14	2'-4"
MCIV/TFIV	2'-11"	3'-6"	23'-0"	23	A901	14	2'-4"
TCIII	3'-5"	4'-0"	23'-0"	23	A1001	14	2'-10"
TCIV	3'-5"	4'-0"	28'-0"	28	A1001	14	2'-10"

ESTIMATED QUANTITIES - FOUNDATION

STANDARD DESIGN TYPE	CONCRETE MASONRY	STEEL REINFORCEMENT HS	FOUNDATION DRILLING (DIA.) (LF)			
	(CY)	(LBS)	30"	36"	42"	48"
MFI	2.2	380	12	---	---	---
MCI/MCII/TFI	3.1	540	17	---	---	---
MFII	3.4	560	---	13	---	---
TCI	4.7	780	---	18	---	---
TFII	5.2	870	---	20	---	---
MCIII/TCII/TFIII	6.4	980	---	---	18	---
MCIV/TFIV	8.2	1,250	---	---	23	---
TCIII	10.7	1,570	---	---	---	23
TCIV	13.0	1,910	---	---	---	28

✶✶ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON A SINGLE DRILLED SHAFT. MULTIPLY BY 2 FOR FULL SPAN STRUCTURES.



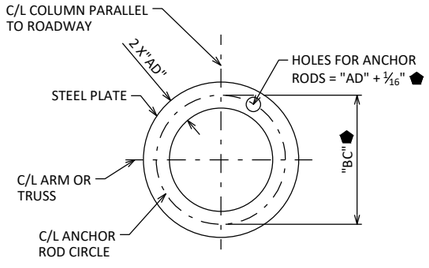
ANCHOR ROD ASSEMBLY DETAILS

◧ ANCHOR RODS PER ASSEMBLY TO BE DESIGNED BY CONTRACTOR AND SHOWN ON SHOP DRAWINGS. SHOW DIAMETER, NUMBER, ORIENTATION AND EMBEDMENT OF ANCHOR RODS.

CENTER ANCHOR ROD ASSEMBLY AND ENSURE ASSEMBLY IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHORS.

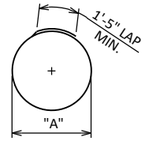
ANCHOR DIAMETER "AD"	MAX. STICK OUT ◐
	"X"
1"	5"
1¼"	6"
1½"	7"
1¾"	8"
2"	9"

◐ ADD BASE PLATE THICKNESS TO VALUE SHOWN FOR MAX. STICK OUT DIMENSION. CONTRACTOR TO COORDINATE WITH FABRICATOR FOR PROPER ANCHOR PLACEMENT.



ANCHOR PLATE & TOP TEMPLATE

⬟ ANCHOR SIZE, BOLT CIRCLE, AND POSITION TO BE VERIFIED WITH SHOP DRAWINGS.



A402

LEGEND

◩ ANCHOR ROD STICK OUT IN FINAL CONDITION. EXCESSIVE STICK OUT BEYOND DIMENSION SHOWN TO BE CUT OFF AFTER PLACING STRUCTURE. ANCHORS TO BE ULTRASONIC TESTED TO DETERMINE EMBEDDED LENGTH MEETS REQUIREMENTS PRIOR TO CUTTING. NOTE REMAINING LENGTH ON AS-BUILT.

◭ 2 - 2" DIA. NON-METALLIC CONDUITS. INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS

STANDARD TYPE MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	11'-8"			DRILLED SHAFT - VERTICAL
A402		13	7'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-8"			DRILLED SHAFT - VERTICAL
A402		18	7'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	12'-8"			DRILLED SHAFT - VERTICAL
A402		14	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-8"			DRILLED SHAFT - VERTICAL
A402		21	9'-1"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-8"			DRILLED SHAFT - VERTICAL
A402		19	10'-7"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPES MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-8"			DRILLED SHAFT - VERTICAL
A402		24	10'-7"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-8"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD TYPE TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-8"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

✶✶ VALUES IN BAR TABLES ARE FOR A SINGLE FOUNDATION ONLY. MULTIPLY BY 2 FOR FULL ✶✶ SPAN STRUCTURES.

STATE PROJECT NUMBER

STANDARD

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: OCT. 2024

DRAWN BY: BOS | PLANS CK'D: BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV
1316

SCALE = 3.0

8

8

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED EBS	WILL BE BACKFILLED WITH SELECT CRUSHED MATERIAL
5 - REDUCED EBS IN FILL	REDUCED EBS EXCAVATION THAT CAN BE USED IN FILL
6 - MASS ORDINATE	[CUT - SALVAGED PAVT - (FILL * FILL FACTOR)]

CROSSOVER XA

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
74+66.77	7466.77	0.00	37.90	0.00	0.00	3.79	0	0	0	0	0	0	0	0	0
75+00.00	7500.00	33.23	38.67	0.00	0.00	3.87	47	0	0	5	47	0	6	0	47
75+50.00	7550.00	50.00	54.01	8.63	0.00	5.40	86	8	0	9	133	0	18	0	125
76+00.00	7600.00	50.00	49.51	8.63	0.00	4.95	96	16	0	10	229	0	30	0	205
76+50.00	7650.00	50.00	48.22	8.63	0.00	4.82	90	16	0	9	319	0	41	0	279
77+00.00	7700.00	50.00	47.50	8.63	0.00	4.75	89	16	0	9	408	0	53	0	352
77+50.00	7750.00	50.00	49.52	8.63	0.00	4.95	90	16	0	9	498	0	64	0	426
77+66.00	7766.00	16.00	50.37	8.63	0.00	5.04	30	5	0	3	528	0	68	0	451

CROSSOVER XB

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
125+75.00	12575.00	0.00	17.74	0.00	0.00	1.77	0	0	0	0	0	0	0	0	0
126+00.00	12600.00	25.00	20.79	2.25	0.00	2.08	18	1	0	2	18	0	3	0	17
126+50.00	12650.00	50.00	25.53	6.00	0.00	2.55	43	8	0	4	61	0	8	0	52
127+00.00	12700.00	50.00	27.41	8.63	0.00	2.74	49	14	0	5	110	0	14	0	87
127+50.00	12750.00	50.00	31.02	8.25	0.00	3.10	54	16	0	5	164	0	20	0	125
128+00.00	12800.00	50.00	35.61	5.25	0.00	3.56	62	13	0	6	226	0	28	0	174
128+50.00	12850.00	50.00	14.96	3.00	0.00	1.50	47	8	0	5	273	0	34	0	213
129+00.00	12900.00	50.00	18.91	0.75	0.00	1.89	31	3	0	3	304	0	38	0	241
129+50.00	12950.00	50.00	14.07	0.00	0.00	1.41	31	1	0	3	335	0	41	0	271
129+81.19	12981.19	31.19	8.16	0.00	0.00	0.82	13	0	0	1	348	0	43	0	284

TEMPORARY PAVEMENT STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
114+51.53	11451.53	0.00	25.02	0.00	0.00	2.50	0	0	0	0	0	0	0	0	0
114+75.00	11475.00	23.47	31.20	0.00	0.00	3.12	24	0	0	2	24	0	3	0	24
115+00.00	11500.00	25.00	26.77	0.00	0.00	2.68	27	0	0	3	51	0	6	0	51
115+21.58	11521.58	21.58	19.41	0.00	0.00	1.94	18	0	0	2	69	0	9	0	69
115+83.71	11583.71	62.13	14.33	0.00	0.00	1.43	39	0	0	4	108	0	14	0	108
115+85.14	11585.14	1.43	16.27	0.00	0.00	1.63	1	0	0	0	109	0	14	0	109
116+00.00	11600.00	14.86	41.65	0.00	0.00	4.17	16	0	0	2	125	0	16	0	125
116+25.00	11625.00	25.00	63.82	0.00	0.00	6.38	49	0	0	5	174	0	23	0	174
116+30.67	11630.67	5.67	62.26	0.00	0.00	6.23	13	0	0	1	187	0	24	0	187
116+50.00	11650.00	19.33	59.28	0.00	0.00	5.93	44	0	0	4	231	0	29	0	231
116+67.70	11667.70	17.70	44.21	0.00	0.00	4.42	34	0	0	3	265	0	33	0	265
120+37.16	12037.16	0.00	11.78	0.00	0.00	1.18	0	0	0	0	265	0	33	0	265
120+50.00	12050.00	12.84	14.57	0.00	0.00	1.46	6	0	0	1	271	0	34	0	271
120+67.47	12067.47	17.47	16.58	0.00	0.00	1.66	10	0	0	1	281	0	35	0	281
120+75.00	12075.00	7.53	17.41	0.00	0.00	1.74	5	0	0	0	286	0	35	0	286
120+91.87	12091.87	16.87	27.27	0.00	0.00	2.73	14	0	0	1	300	0	36	0	300
121+00.00	12100.00	8.13	33.88	0.00	0.00	3.39	9	0	0	1	309	0	38	0	309
121+25.00	12125.00	25.00	34.59	0.00	0.00	3.46	32	0	0	3	341	0	41	0	341
121+50.00	12150.00	25.00	17.32	0.00	0.00	1.73	24	0	0	2	365	0	44	0	365
121+75.00	12175.00	25.00	14.80	0.00	0.00	1.48	15	0	0	1	380	0	45	0	380
122+00.00	12200.00	25.00	11.72	0.00	0.00	1.17	12	0	0	1	392	0	46	0	392
122+04.73	12204.73	4.73	10.30	0.00	0.00	1.03	2	0	0	0	394	0	46	0	394

TEMPORARY PAVEMENT ISLANDS STAGE 1

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
114+51.53	11451.53	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
114+75.00	11475.00	23.47	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
115+00.00	11500.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
115+21.58	11521.58	21.58	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
115+83.71	11583.71	62.13	19.72	0.00	0.00	1.97	23	0	0	2	23	0	3	0	23
115+85.14	11585.14	1.43	60.58	0.00	0.00	6.06	2	0	0	0	25	0	3	0	25
116+00.00	11600.00	14.86	70.54	0.00	0.00	7.05	36	0	0	4	61	0	8	0	61
116+25.00	11625.00	25.00	28.55	0.00	0.00	2.85	46	0	0	5	107	0	14	0	107
116+30.67	11630.67	5.67	27.03	0.00	0.00	2.70	6	0	0	1	113	0	15	0	113
116+50.00	11650.00	19.33	0.00	0.00	0.00	0.00	10	0	0	1	123	0	16	0	123
116+67.70	11667.70	17.70	0.00	0.00	0.00	0.00	0	0	0	0	123	0	16	0	123
120+37.16	12037.16	0.00	0.00	0.00	0.00	0.00	0	0	0	0	123	0	16	0	123
120+50.00	12050.00	12.84	0.00	0.00	0.00	0.00	0	0	0	0	123	0	16	0	123
120+67.47	12067.47	17.47	15.67	0.00	0.00	1.57	5	0	0	1	128	0	18	0	128
120+75.00	12075.00	7.53	19.77	0.00	0.00	1.98	5	0	0	0	133	0	18	0	133
120+91.87	12091.87	16.87	42.65	0.00	0.00	4.27	19	0	0	2	152	0	20	0	152
121+00.00	12100.00	8.13	0.00	0.00	0.00	0.00	6	0	0	1	158	0	21	0	158
121+25.00	12125.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	158	0	21	0	158
121+50.00	12150.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	158	0	21	0	158
121+75.00	12175.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	158	0	21	0	158
122+00.00	12200.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	158	0	21	0	158
122+04.73	12204.73	4.73	0.00	0.00	0.00	0.00	0	0	0	0	158	0	21	0	158

JOHN NOLEN DRIVE SOUTHBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
78+16.00	7816.00	0.00	5.61	0.00	0.00	0.56	0	0	0	0	0	0	0	0	0
78+50.00	7850.00	34.00	5.25	0.00	0.00	0.53	7	0	0	1	7	0	1	0	7
79+00.00	7900.00	50.00	92.23	20.25	0.14	9.22	90	19	0	9	97	0	13	0	78
79+50.00	7950.00	50.00	96.10	20.25	0.00	9.61	174	38	0	17	271	0	34	0	214
80+00.00	8000.00	50.00	99.30	20.25	0.00	9.93	181	38	0	18	452	0	56	0	357
80+50.00	8050.00	50.00	104.05	20.25	9.34	10.40	188	38	9	19	640	11	80	0	496
81+00.00	8100.00	50.00	110.47	20.25	23.45	11.05	199	38	30	20	839	49	105	0	619
81+50.00	8150.00	50.00	118.15	20.25	0.00	11.81	212	38	22	21	1,051	76	131	0	766
82+00.00	8200.00	50.00	119.62	0.00	0.00	11.96	220	19	0	22	1,271	76	159	0	967
82+50.00	8250.00	50.00	119.96	0.00	2.37	12.00	222	0	2	22	1,493	79	186	0	1,186
83+00.00	8300.00	50.00	112.89	0.00	0.10	11.29	216	0	2	22	1,709	81	214	0	1,400
83+50.00	8350.00	50.00	93.78	0.00	1.66	9.38	191	0	2	19	1,900	84	238	0	1,588
84+00.00	8400.00	50.00	78.53	0.00	4.86	7.85	160	0	6	16	2,060	91	258	0	1,741
84+50.00	8450.00	50.00	69.69	0.00	6.63	6.97	137	0	11	14	2,197	105	275	0	1,864
85+00.00	8500.00	50.00	65.52	0.00	7.27	6.55	125	0	13	13	2,322	121	291	0	1,973
85+50.00	8550.00	50.00	62.57	0.00	7.82	6.26	119	0	14	12	2,441	139	306	0	2,074
86+00.00	8600.00	50.00	57.87	0.00	11.92	5.79	112	0	18	11	2,553	161	320	0	2,164
86+50.00	8650.00	50.00	61.68	0.00	9.69	6.17	111	0	20	11	2,664	186	334	0	2,250
87+00.00	8700.00	50.00	61.28	0.00	11.73	6.13	114	0	20	11	2,778	211	348	0	2,339
87+50.00	8750.00	50.00	60.42	0.00	19.14	6.04	113	0	29	11	2,891	248	361	0	2,416
88+00.00	8800.00	50.00	78.35	0.00	0.02	7.84	128	0	18	13	3,019	270	378	0	2,521

JOHN NOLEN DRIVE SOUTHBOUND (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
89+50.00	8950.00	0.00	50.15	0.00	17.57	5.01	0	0	0	0	3,019	270	378	0	2,521
90+00.00	9000.00	50.00	36.92	0.00	37.23	3.69	81	0	51	8	3,100	334	388	0	2,538
90+50.00	9050.00	50.00	31.93	0.00	33.91	3.19	64	0	66	6	3,164	416	395	0	2,520
91+00.00	9100.00	50.00	30.53	0.00	29.94	3.05	58	0	59	6	3,222	490	403	0	2,504
91+50.00	9150.00	50.00	33.00	0.00	27.00	3.30	59	0	53	6	3,281	556	410	0	2,497
92+00.00	9200.00	50.00	34.75	0.00	24.79	3.47	63	0	48	6	3,344	616	418	0	2,500
92+50.00	9250.00	50.00	40.99	0.00	19.72	4.10	70	0	41	7	3,414	668	426	0	2,519
93+00.00	9300.00	50.00	54.04	0.00	14.96	5.40	88	0	32	9	3,502	708	438	0	2,567
93+50.00	9350.00	50.00	77.97	0.00	2.09	7.80	122	0	16	12	3,624	728	453	0	2,669
94+00.00	9400.00	50.00	95.67	0.00	0.45	9.57	161	0	2	16	3,785	730	473	0	2,827
94+50.00	9450.00	50.00	120.40	0.00	0.01	12.04	200	0	0	20	3,985	730	498	0	3,027
95+00.00	9500.00	50.00	134.18	0.00	0.01	13.42	236	0	0	24	4,221	730	528	0	3,263
95+50.00	9550.00	50.00	144.82	0.00	0.00	14.48	258	0	0	26	4,479	730	560	0	3,521
96+00.00	9600.00	50.00	135.08	0.00	0.00	13.51	259	0	0	26	4,738	730	593	0	3,780
96+50.00	9650.00	50.00	136.90	0.00	0.00	13.69	252	0	0	25	4,990	730	624	0	4,032
97+00.00	9700.00	50.00	133.79	0.00	0.01	13.38	251	0	0	25	5,241	730	655	0	4,283
97+50.00	9750.00	50.00	151.94	0.00	0.01	15.19	265	0	0	26	5,506	730	688	0	4,548
98+00.00	9800.00	50.00	148.52	0.00	0.01	14.85	278	0	0	28	5,784	730	723	0	4,826
98+50.00	9850.00	50.00	149.05	0.00	0.01	14.90	276	0	0	28	6,060	730	758	0	5,102
99+00.00	9900.00	50.00	142.50	0.00	0.01	14.25	270	0	0	27	6,330	730	791	0	5,372
99+50.00	9950.00	50.00	130.50	0.00	0.01	13.05	253	0	0	25	6,583	730	823	0	5,625
100+00.00	10000.00	50.00	112.71	0.00	0.02	11.27	225	0	0	23	6,808	730	851	0	5,850
100+50.00	10050.00	50.00	92.83	0.00	1.06	9.28	190	0	1	19	6,998	731	875	0	6,039
101+00.00	10100.00	50.00	82.29	0.00	2.54	8.23	162	0	3	16	7,160	735	895	0	6,197
101+50.00	10150.00	50.00	74.45	0.00	5.22	7.44	145	0	7	15	7,305	744	914	0	6,333
102+00.00	10200.00	50.00	71.12	0.00	6.88	7.11	135	0	11	13	7,440	758	930	0	6,455
102+50.00	10250.00	50.00	62.75	0.00	8.41	6.28	124	0	14	12	7,564	775	945	0	6,561
103+00.00	10300.00	50.00	55.94	0.00	13.45	5.59	110	0	20	11	7,674	800	959	0	6,646
103+50.00	10350.00	50.00	52.84	0.00	15.31	5.28	101	0	27	10	7,775	834	971	0	6,713
104+00.00	10400.00	50.00	54.41	0.00	13.59	5.44	99	0	27	10	7,874	868	984	0	6,779
104+50.00	10450.00	50.00	53.38	0.00	12.55	5.34	100	0	24	10	7,974	898	996	0	6,849
105+00.00	10500.00	50.00	54.88	0.00	16.30	5.49	100	0	27	10	8,074	931	1,009	0	6,915
105+50.00	10550.00	50.00	54.14	0.00	15.51	5.41	101	0	29	10	8,175	968	1,021	0	6,980
106+00.00	10600.00	50.00	51.09	0.00	19.73	5.11	97	0	33	10	8,272	1,009	1,034	0	7,035
106+50.00	10650.00	50.00	51.98	0.00	18.41	5.20	95	0	35	10	8,367	1,053	1,046	0	7,087
107+00.00	10700.00	50.00	70.06	0.00	12.62	7.01	113	0	29	11	8,480	1,089	1,060	0	7,163
107+25.00	10725.00	25.00	102.32	0.00	0.02	10.23	80	0	6	8	8,560	1,096	1,070	0	7,236

JOHN NOLEN DRIVE SOUTHBOUND (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
109+25.00	10925.00	0.00	62.37	0.00	8.95	6.24	0	0	0	0	8,560	1,096	1,070	0	7,236
109+50.00	10950.00	25.00	51.63	0.00	25.11	5.16	53	0	16	5	8,613	1,116	1,076	0	7,269
110+00.00	11000.00	50.00	33.96	0.00	35.53	3.40	79	0	56	8	8,692	1,186	1,086	0	7,278
110+50.00	11050.00	50.00	42.65	0.00	31.92	4.27	71	0	62	7	8,763	1,264	1,095	0	7,271
111+00.00	11100.00	50.00	50.07	0.00	25.56	5.01	86	0	53	9	8,849	1,330	1,106	0	7,291
111+50.00	11150.00	50.00	62.22	0.00	20.19	6.22	104	0	42	10	8,953	1,383	1,119	0	7,343
112+00.00	11200.00	50.00	90.85	0.00	0.02	9.09	142	0	19	14	9,095	1,406	1,136	0	7,461
114+00.00	11400.00	0.00	155.49	0.00	0.02	15.55	0	0	0	0	9,095	1,406	1,136	0	7,461
114+25.00	11425.00	25.00	50.45	0.00	0.98	5.05	95	0	0	10	9,190	1,406	1,149	0	7,556
114+41.91	11441.91	16.91	47.08	0.00	5.58	4.71	31	0	2	3	9,221	1,409	1,153	0	7,584
114+50.00	11450.00	8.09	38.98	0.00	0.01	3.90	13	0	1	1	9,234	1,410	1,154	0	7,596
115+00.00	11500.00	50.00	35.74	0.00	0.03	3.57	69	0	0	7	9,303	1,410	1,163	0	7,665
115+08.00	11508.00	8.00	33.58	0.00	0.03	3.36	10	0	0	1	9,313	1,410	1,164	0	7,675
115+25.00	11525.00	17.00	26.45	0.00	3.27	2.64	19	0	1	2	9,332	1,411	1,166	0	7,693
115+50.00	11550.00	25.00	13.12	0.00	0.00	1.31	18	0	2	2	9,350	1,414	1,169	0	7,708
116+00.00	11600.00	50.00	4.39	18.75	0.30	0.44	16	17	0	2	9,366	1,414	1,171	0	7,707
116+21.76	11621.76	21.76	3.67	21.00	0.84	0.37	3	16	0	0	9,369	1,414	1,171	0	7,694
116+50.00	11650.00	28.24	5.41	21.00	0.23	0.54	5	22	1	0	9,374	1,415	1,171	0	7,676
116+71.76	11671.76	21.76	15.16	21.00	9.15	1.52	8	17	4	1	9,382	1,420	1,173	0	7,662
117+00.00	11700.00	28.24	20.75	22.50	3.30	2.08	19	23	7	2	9,401	1,429	1,175	0	7,649
117+50.00	11750.00	50.00	26.76	23.25	10.70	2.68	44	42	13	4	9,445	1,445	1,180	0	7,635
117+88.71	11788.71	38.71	26.68	24.75	11.24	2.67	38	34	16	4	9,483	1,465	1,185	0	7,619
118+00.00	11800.00	11.29	27.43	20.25	11.31	2.74	11	9	5	1	9,494	1,471	1,186	0	7,615
118+50.00	11850.00	50.00	31.79	24.00	9.47	3.18	55	41	19	5	9,549	1,495	1,193	0	7,605
119+00.00	11900.00	50.00	44.32	24.00	7.63	4.43	70	44	16	7	9,619	1,515	1,201	0	7,611
119+50.00	11950.00	50.00	59.78	18.75	6.76	5.98	96	40	13	10	9,715	1,531	1,214	0	7,651
119+85.27	11985.27	35.27	59.73	35.25	7.36	5.97	78	35	9	8	9,793	1,543	1,224	0	7,683
120+00.00	12000.00	14.73	57.14	35.25	7.55	5.71	32	19	4	3	9,825	1,548	1,228	0	7,691
120+35.27	12035.27	35.27	47.00	35.25	8.58	4.70	68	46	11	7	9,893	1,561	1,236	0	7,699
120+50.00	12050.00	14.73	41.51	33.00	0.02	4.15	24	19	2	2	9,917	1,564	1,239	0	7,701
121+00.00	12100.00	50.00	50.17	28.50	0.00	5.02	85	57	0	8	10,002	1,564	1,249	0	7,729
121+50.00	12150.00	50.00	65.13	28.50	0.00	6.51	107	53	0	11	10,109	1,564	1,263	0	7,783
122+00.00	12200.00	50.00	85.50	28.50	0.00	8.55	139	53	0	14	10,248	1,564	1,280	0	7,869
122+18.62	12218.62	18.62	92.60	28.50	20.71	9.26	61	20	7	6	10,309	1,573	1,288	0	7,902
122+50.00	12250.00	31.38	108.28	28.50	13.70	10.83	117	33	20	12	10,426	1,598	1,303	0	7,961
122+68.62	12268.62	18.62	109.52	28.50	9.81	10.95	75	20	8	8	10,501	1,608	1,313	0	8,006
123+00.00	12300.00	31.38	104.86	28.50	10.28	10.49	125	33	12	12	10,626	1,623	1,328	0	8,083
123+50.00	12350.00	50.00	104.13	28.50	8.27	10.41	194	53	17	19	10,820	1,644	1,351	0	8,202
124+00.00	12400.00	50.00	98.85	28.50	5.30	9.88	188	53	13	19	11,008	1,660	1,375	0	8,321
124+50.00	12450.00	50.00	98.74	28.50	1.11	9.87	183	53	6	18	11,191	1,668	1,398	0	8,444
125+00.00	12500.00	50.00	99.36	28.50	0.08	9.94	183	53	1	18	11,374	1,669	1,420	0	8,572
125+12.80	12512.80	12.80	101.80	28.50	0.00	10.18	48	14	0	5	11,422	1,669	1,426	0	8,606

NORTH SHORE DRIVE WESTBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
10+15.00	1015.00	0.00	2.26	0.00	9.88	0.23	0	0	0	0	0	0	0	0	0
10+50.00	1050.00	35.00	2.70	0.00	17.48	0.27	3	0	18	0	3	23	0	0	-20
11+00.00	1100.00	50.00	5.40	0.00	6.94	0.54	8	0	23	1	11	51	1	0	-40
11+25.00	1125.00	25.00	1.82	0.00	8.63	0.18	3	0	7	0	14	60	1	0	-46
11+50.00	1150.00	25.00	0.00	0.00	17.44	0.00	1	0	12	0	15	75	1	0	-60
12+00.00	1200.00	50.00	1.65	0.00	26.71	0.16	2	0	41	0	17	126	1	0	-109

BIKE PATH NORTH SHORE DRIVE

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
10+24.05	1024.05	0.00	16.48	0.00	0.00	1.65	0	0	0	0	0	0	0	0	0
10+50.00	1050.00	25.95	13.10	0.00	2.38	1.31	14	0	1	1	14	1	1	0	13
11+00.00	1100.00	50.00	7.23	0.00	3.26	0.72	19	0	5	2	33	8	4	0	26
11+50.00	1150.00	50.00	2.81	0.00	0.29	0.28	9	0	3	1	42	11	5	0	31
12+00.00	1200.00	50.00	9.50	0.00	0.60	0.95	11	0	1	1	53	13	6	0	41
12+50.00	1250.00	50.00	5.41	0.00	1.09	0.54	14	0	2	1	67	15	8	0	52
13+00.00	1300.00	50.00	1.36	0.00	2.71	0.14	6	0	4	1	73	20	9	0	53
13+50.00	1350.00	50.00	0.62	0.00	7.10	0.06	2	0	9	0	75	31	9	0	44
14+00.00	1400.00	50.00	0.01	0.00	6.36	0.00	1	0	12	0	76	46	9	0	30
14+64.70	1464.70	64.70	2.23	0.00	9.73	0.22	3	0	19	0	79	70	9	0	9

BIKE PATH BASSETT STREET CONNECTION

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
25+64.32	2564.32	0.00	7.94	0.00	0.58	0.79	0	0	0	0	0	0	0	0	0
25+75.00	2575.00	10.68	10.65	0.00	1.47	1.06	4	0	0	0	4	0	0	0	4
25+86.25	2586.25	11.25	16.01	0.00	0.64	1.60	6	0	0	1	10	0	1	0	10
26+00.00	2600.00	13.75	3.54	0.00	1.79	0.35	5	0	1	0	15	1	1	0	14
26+25.00	2625.00	25.00	0.00	0.00	14.79	0.00	2	0	8	0	17	11	1	0	6
26+50.00	2650.00	25.00	0.00	0.00	34.35	0.00	0	0	23	0	17	40	1	0	-23
26+59.98	2659.98	9.98	0.00	0.00	34.35	0.00	0	0	13	0	17	56	1	0	-39

BROOM STREET EASTBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
700+59.73	70059.73	0.00	104.69	0.00	0.37	10.47	0	0	0	0	0	0	0	0	0
700+75.00	70075.00	15.27	105.38	0.00	0.42	10.54	59	0	0	6	59	0	8	0	59
701+00.00	70100.00	25.00	115.63	0.00	0.37	11.56	102	0	0	10	161	0	20	0	161
701+27.76	70127.76	27.76	102.90	0.00	1.25	10.29	112	0	1	11	273	1	34	0	272
701+50.00	70150.00	22.24	110.24	33.75	0.00	11.02	88	14	1	9	361	3	45	0	345
701+88.05	70188.05	38.05	82.16	33.75	0.00	8.22	136	48	0	14	497	3	63	0	433

BROOM STREET WESTBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
700+60.11	70060.11	0.00	75.46	0.00	0.00	7.55	0	0	0	0	0	0	0	0	0
700+75.00	70075.00	14.89	73.92	0.00	0.00	7.39	41	0	0	4	41	0	5	0	41
701+00.00	70100.00	25.00	89.68	0.00	0.00	8.97	76	0	0	8	117	0	15	0	117
701+20.23	70120.23	20.23	91.89	0.00	0.48	9.19	68	0	0	7	185	0	24	0	185
701+38.00	70138.00	17.77	135.20	0.00	0.00	13.52	75	0	0	7	260	0	33	0	260
701+50.27	70150.27	12.27	70.33	29.25	0.40	7.03	47	7	0	5	307	0	39	0	300
701+82.11	70182.11	31.84	35.09	29.25	0.83	3.51	62	34	1	6	369	1	46	0	327

BROOM STREET EASTBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
700+59.73	70059.73	0.00	5.50	0.00	0.23	0.55	0	0	0	0	0	0	0	0	0
700+75.00	70075.00	15.27	4.58	0.00	0.76	0.46	3	0	0	0	3	0	0	0	3
701+00.00	70100.00	25.00	5.21	0.00	0.53	0.52	5	0	1	0	8	1	0	0	7
701+27.76	70127.76	27.76	6.68	0.00	0.80	0.67	6	0	1	1	14	3	1	0	12
701+50.00	70150.00	22.24	15.31	18.75	0.28	1.53	9	8	0	1	23	3	3	0	13
701+88.05	70188.05	38.05	15.31	18.75	0.00	1.53	22	26	0	2	45	3	5	0	9

BROOM STREET WESTBOUND PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
700+60.11	70060.11	0.00	3.17	0.00	0.14	0.32	0	0	0	0	0	0	0	0	0
700+75.00	70075.00	14.89	9.90	0.00	0.81	0.99	4	0	0	0	4	0	0	0	4
701+00.00	70100.00	25.00	6.95	0.00	1.03	0.69	8	0	1	1	12	1	1	0	11
701+20.23	70120.23	20.23	5.34	0.00	1.93	0.53	5	0	1	0	17	3	1	0	15
701+38.00	70138.00	17.77	18.10	0.00	0.09	1.81	8	0	1	1	25	4	3	0	21
701+50.27	70150.27	12.27	27.95	29.25	4.97	2.79	10	7	1	1	35	5	4	0	23
701+82.11	70182.11	31.84	29.25	29.25	0.00	2.93	34	34	3	3	69	9	8	0	19

TEMPORARY PAVEMENT STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
120+34.58	12034.58	0.00	30.97	0.00	0.00	3.10	0	0	0	0	0	0	0	0	0
120+50.00	12050.00	15.42	33.58	0.00	0.00	3.36	18	0	0	2	18	0	3	0	18
120+75.00	12075.00	25.00	36.17	0.00	0.00	3.62	32	0	0	3	50	0	6	0	50
121+00.00	12100.00	25.00	45.10	0.00	0.00	4.51	38	0	0	4	88	0	11	0	88
121+25.00	12125.00	25.00	47.73	0.00	0.00	4.77	43	0	0	4	131	0	16	0	131
121+50.00	12150.00	25.00	45.95	0.00	0.00	4.60	43	0	0	4	174	0	21	0	174
121+75.00	12175.00	25.00	0.00	0.00	0.00	0.00	21	0	0	2	195	0	24	0	195

NORTH SHORE DRIVE EASTBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
10+00.05	1000.05	0.00	99.25	0.00	1.76	9.92	0	0	0	0	0	0	0	0	0
10+50.00	1050.00	49.95	114.15	0.00	0.31	11.42	197	0	2	20	197	3	25	0	195
11+00.00	1100.00	50.00	134.16	0.00	0.10	13.42	230	0	0	23	427	3	54	0	425
11+50.00	1150.00	50.00	130.79	0.00	3.03	13.08	245	0	3	25	672	6	85	0	666
12+00.00	1200.00	50.00	122.70	0.00	5.39	12.27	235	0	8	23	907	16	114	0	891
12+50.00	1250.00	50.00	121.50	0.00	5.33	12.15	226	0	10	23	1,133	29	143	0	1,104
13+00.00	1300.00	50.00	120.47	0.00	10.09	12.05	224	0	14	22	1,357	46	170	0	1,311
13+50.00	1350.00	50.00	101.72	0.00	1.35	10.17	206	0	11	21	1,563	60	196	0	1,503
14+00.00	1400.00	50.00	48.03	0.00	0.01	4.80	139	0	1	14	1,702	61	214	0	1,641

NORTH SHORE DRIVE WESTBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
10+15.00	1015.00	0.00	96.00	0.00	0.12	9.60	0	0	0	0	0	0	0	0	0
10+50.00	1050.00	35.00	94.92	0.00	0.04	9.49	124	0	0	12	124	0	15	0	124
11+00.00	1100.00	50.00	90.82	0.00	0.71	9.08	172	0	1	17	296	1	36	0	295
11+25.00	1125.00	25.00	88.97	0.00	1.29	8.90	83	0	1	8	379	3	46	0	377
11+50.00	1150.00	25.00	84.53	0.00	2.78	8.45	80	0	2	8	459	5	56	0	454
12+00.00	1200.00	50.00	76.81	0.00	4.81	7.68	149	0	7	15	608	14	75	0	594
12+50.00	1250.00	50.00	70.32	0.00	1.48	7.03	136	0	6	14	744	21	93	0	723
12+68.79	1268.79	18.79	69.32	0.00	1.46	6.93	49	0	1	5	793	23	99	0	771
13+00.00	1300.00	31.21	68.91	0.00	1.73	6.89	80	0	2	8	873	25	109	0	848
13+50.00	1350.00	50.00	90.07	0.00	4.26	9.01	147	0	6	15	1,020	33	128	0	988
14+00.00	1400.00	50.00	98.20	0.00	0.00	9.82	174	0	4	17	1,194	38	149	0	1,157
14+56.59	1456.59	56.59	29.11	0.00	0.02	2.91	133	0	0	13	1,327	38	165	0	1,290

NORTH SHORE DRIVE EASTBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
10+00.05	1000.05	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
10+50.00	1050.00	49.95	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
11+00.00	1100.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
11+50.00	1150.00	50.00	10.37	0.00	1.74	1.04	10	0	2	1	10	3	1	0	8
12+00.00	1200.00	50.00	1.41	0.00	5.22	0.14	11	0	6	1	21	10	3	0	11
12+50.00	1250.00	50.00	0.79	0.00	11.02	0.08	2	0	15	0	23	29	3	0	-6
13+00.00	1300.00	50.00	3.51	0.00	13.78	0.35	4	0	23	0	27	58	3	0	-31
13+50.00	1350.00	50.00	7.42	0.00	0.00	0.74	10	0	13	1	37	74	4	0	-37
14+00.00	1400.00	50.00	0.00	0.00	0.00	0.00	7	0	0	1	44	74	5	0	-30

NORTH SHORE DRIVE WESTBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
12+00.00	1200.00	0.00	1.65	0.00	26.71	0.16	0	0	0	0	0	0	0	0	0
12+50.00	1250.00	50.00	7.02	0.00	6.05	0.70	8	0	30	1	8	38	1	0	-30
12+68.79	1268.79	18.79	3.30	0.00	4.35	0.33	4	0	4	0	12	43	1	0	-31
13+00.00	1300.00	31.21	2.76	0.00	5.60	0.28	4	0	6	0	16	50	1	0	-34
13+50.00	1350.00	50.00	6.09	0.00	10.12	0.61	8	0	15	1	24	69	3	0	-45
14+00.00	1400.00	50.00	11.30	0.00	0.39	1.13	16	0	10	2	40	81	5	0	-41
14+56.59	1456.59	56.59	0.00	0.00	0.00	0.00	12	0	0	1	52	81	6	0	-29

JOHN NOLEN DRIVE SOUTHBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
116+50.00	11650.00	0.00	18.03	0.00	15.33	1.80	0	0	0	0	0	0	0	0	0
116+71.76	11671.76	21.76	18.00	18.00	33.82	1.80	15	7	20	1	15	25	1	0	-17
117+00.00	11700.00	28.24	20.81	15.75	33.74	2.08	20	18	35	2	35	69	4	0	-59
117+50.00	11750.00	50.00	19.18	15.75	32.11	1.92	37	29	61	4	72	145	9	0	-127
117+88.71	11788.71	38.71	18.48	15.75	40.51	1.85	27	23	52	3	99	210	13	0	-188
118+00.00	11800.00	11.29	17.85	13.50	41.35	1.79	8	6	17	1	107	231	14	0	-207
118+50.00	11850.00	50.00	19.48	9.00	39.61	1.95	35	21	75	3	142	325	18	0	-287
119+00.00	11900.00	50.00	16.29	6.00	30.24	1.63	33	14	65	3	175	406	21	0	-349
119+50.00	11950.00	50.00	11.75	0.00	16.09	1.18	26	6	43	3	201	460	25	0	-383
119+85.27	11985.27	35.27	10.17	0.00	11.80	1.02	14	0	18	1	215	483	26	0	-392
120+00.00	12000.00	14.73	6.00	0.00	12.68	0.60	4	0	7	0	219	491	26	0	-396
120+35.27	12035.27	35.27	0.00	0.00	24.62	0.00	4	0	24	0	223	521	26	0	-422
120+50.00	12050.00	14.73	0.05	0.00	0.00	0.00	0	0	7	0	223	530	26	0	-431

JOHN NOLEN DRIVE NORTHBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
78+99.00	7899.00	0.00	102.00	20.25	4.97	10.20	0	0	0	0	0	0	0	0	0
79+00.00	7900.00	1.00	102.00	20.25	4.97	10.20	4	1	0	0	4	0	0	0	3
79+25.00	7925.00	25.00	108.60	20.25	4.57	10.86	98	19	4	10	102	5	13	0	77
79+50.00	7950.00	25.00	112.25	20.25	4.25	11.23	102	19	4	10	204	10	25	0	155
80+00.00	8000.00	50.00	125.32	20.25	3.83	12.53	220	38	7	22	424	19	53	0	328
80+50.00	8050.00	50.00	114.03	20.25	2.42	11.40	222	38	6	22	646	26	80	0	505
80+75.00	8075.00	25.00	116.25	20.25	1.94	11.62	107	19	2	11	753	29	94	0	590
81+00.00	8100.00	25.00	107.36	0.00	1.26	10.74	104	9	1	10	857	30	106	0	684
81+50.00	8150.00	50.00	107.53	0.00	0.60	10.75	199	0	2	20	1,056	33	131	0	881
82+00.00	8200.00	50.00	109.02	0.00	0.78	10.90	201	0	1	20	1,257	34	156	0	1,080
82+50.00	8250.00	50.00	108.71	0.00	0.72	10.87	202	0	1	20	1,459	35	181	0	1,281
83+00.00	8300.00	50.00	103.83	0.00	1.16	10.38	197	0	2	20	1,656	38	206	0	1,476
83+50.00	8350.00	50.00	104.59	0.00	1.55	10.46	193	0	3	19	1,849	41	230	0	1,665
84+00.00	8400.00	50.00	102.42	0.00	1.40	10.24	192	0	3	19	2,041	45	254	0	1,853
84+50.00	8450.00	50.00	85.59	0.00	2.16	8.56	174	0	3	17	2,215	49	275	0	2,023
85+00.00	8500.00	50.00	80.07	0.00	2.36	8.01	153	0	4	15	2,368	54	294	0	2,171
85+50.00	8550.00	50.00	75.85	0.00	2.47	7.59	144	0	4	14	2,512	59	311	0	2,310
86+00.00	8600.00	50.00	70.30	0.00	7.78	7.03	135	0	9	14	2,647	70	329	0	2,434
86+50.00	8650.00	50.00	67.85	0.00	8.00	6.79	128	0	15	13	2,775	89	345	0	2,543
87+00.00	8700.00	50.00	66.19	0.00	8.43	6.62	124	0	15	12	2,899	108	360	0	2,649
87+50.00	8750.00	50.00	64.29	0.00	9.21	6.43	121	0	16	12	3,020	128	375	0	2,750
87+65.00	8765.00	15.00	63.60	0.00	10.01	6.36	36	0	5	4	3,056	134	380	0	2,779
87+80.00	8780.00	15.00	87.68	0.00	1.03	8.77	42	0	3	4	3,098	138	385	0	2,818
88+00.00	8800.00	20.00	88.60	0.00	1.07	8.86	65	0	1	7	3,163	139	394	0	2,881

JOHN NOLEN DRIVE NORTHBOUND (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25	REDUCED EBS IN FILL 0.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
89+35.00	8935.00	0.00	73.55	0.00	1.63	7.36	0	0	0	0	3,163	139	394	0	2,881
89+50.00	8950.00	15.00	64.68	0.00	2.15	6.47	38	0	1	4	3,201	140	399	0	2,918
89+57.14	8957.14	7.14	46.60	0.00	9.79	4.66	15	0	2	1	3,216	143	400	0	2,931
90+00.00	9000.00	42.86	39.56	0.00	14.97	3.96	68	0	20	7	3,284	168	409	0	2,974
90+50.00	9050.00	50.00	38.79	0.00	14.58	3.88	73	0	27	7	3,357	201	418	0	3,013
91+00.00	9100.00	50.00	38.28	0.00	13.74	3.83	71	0	26	7	3,428	234	426	0	3,051
91+50.00	9150.00	50.00	37.13	0.00	13.97	3.71	70	0	26	7	3,498	266	435	0	3,089
92+00.00	9200.00	50.00	37.29	0.00	15.34	3.73	69	0	27	7	3,567	300	444	0	3,124
92+50.00	9250.00	50.00	42.23	0.00	15.44	4.22	74	0	28	7	3,641	335	453	0	3,163
93+00.00	9300.00	50.00	52.69	0.00	13.15	5.27	88	0	26	9	3,729	368	464	0	3,219
93+50.00	9350.00	50.00	67.58	0.00	9.95	6.76	111	0	21	11	3,840	394	478	0	3,303
94+00.00	9400.00	50.00	83.42	0.00	7.02	8.34	140	0	16	14	3,980	414	495	0	3,423
94+50.00	9450.00	50.00	100.10	0.00	2.15	10.01	170	0	8	17	4,150	424	516	0	3,583
95+00.00	9500.00	50.00	102.72	0.00	0.84	10.27	188	0	3	19	4,338	428	540	0	3,768
95+50.00	9550.00	50.00	102.92	0.00	0.92	10.29	190	0	2	19	4,528	430	564	0	3,955
96+00.00	9600.00	50.00	104.42	0.00	0.59	10.44	192	0	1	19	4,720	431	588	0	4,146
96+50.00	9650.00	50.00	105.42	0.00	0.23	10.54	194	0	1	19	4,914	433	611	0	4,339
97+00.00	9700.00	50.00	101.46	0.00	0.57	10.15	192	0	1	19	5,106	434	635	0	4,529
97+50.00	9750.00	50.00	101.22	0.00	0.39	10.12	188	0	1	19	5,294	435	659	0	4,716
98+00.00	9800.00	50.00	105.71	0.00	0.39	10.57	192	0	1	19	5,486	436	683	0	4,907
98+50.00	9850.00	50.00	114.99	0.00	0.37	11.50	204	0	1	20	5,690	438	708	0	5,110
99+00.00	9900.00	50.00	113.95	0.00	0.38	11.40	212	0	1	21	5,902	439	734	0	5,320
99+50.00	9950.00	50.00	116.04	0.00	0.39	11.60	213	0	1	21	6,115	440	760	0	5,532
100+00.00	10000.00	50.00	98.52	0.00	0.89	9.85	199	0	1	20	6,314	441	785	0	5,730
100+50.00	10050.00	50.00	87.47	0.00	4.28	8.75	172	0	5	17	6,486	448	806	0	5,896
101+00.00	10100.00	50.00	86.20	0.00	4.53	8.62	161	0	8	16	6,647	458	826	0	6,047
101+50.00	10150.00	50.00	83.30	0.00	4.60	8.33	157	0	8	16	6,804	468	846	0	6,194
102+00.00	10200.00	50.00	81.00	0.00	4.69	8.10	152	0	9	15	6,956	479	865	0	6,334
102+50.00	10250.00	50.00	79.77	0.00	4.39	7.98	149	0	8	15	7,105	489	884	0	6,473
103+00.00	10300.00	50.00	77.41	0.00	4.38	7.74	146	0	8	15	7,251	499	903	0	6,609
103+50.00	10350.00	50.00	74.55	0.00	4.85	7.46	141	0	9	14	7,392	510	920	0	6,739
104+00.00	10400.00	50.00	75.17	0.00	6.77	7.52	139	0	11	14	7,531	524	938	0	6,864
104+50.00	10450.00	50.00	75.50	0.00	9.40	7.55	140	0	15	14	7,671	543	955	0	6,986
105+00.00	10500.00	50.00	74.67	0.00	12.10	7.47	139	0	20	14	7,810	568	973	0	7,100
105+50.00	10550.00	50.00	75.76	0.00	14.71	7.58	139	0	25	14	7,949	599	990	0	7,207
106+00.00	10600.00	50.00	74.19	0.00	17.76	7.42	139	0	30	14	8,088	636	1,008	0	7,309
106+20.01	10620.01	20.01	73.42	0.00	18.61	7.34	55	0	13	5	8,143	653	1,014	0	7,348
106+50.00	10650.00	29.99	77.61	0.00	11.97	7.76	84	0	17	8	8,227	674	1,024	0	7,410
107+00.00	10700.00	50.00	126.87	0.00	0.00	12.69	189	0	11	19	8,416	688	1,048	0	7,586
107+15.00	10715.00	15.00	125.93	0.00	0.00	12.59	70	0	0	7	8,486	688	1,056	0	7,656

JOHN NOLEN DRIVE NORTHBOUND (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
109+00.00	10900.00	0.00	96.68	0.00	0.00	9.67	0	0	0	0	8,486	688	1,056	0	7,656
109+16.05	10916.05	16.05	99.29	0.00	0.26	9.93	58	0	0	6	8,544	688	1,064	0	7,714
109+50.00	10950.00	33.95	51.27	0.00	13.03	5.13	95	0	8	9	8,639	698	1,075	0	7,799
110+00.00	11000.00	50.00	33.16	0.00	15.81	3.32	78	0	27	8	8,717	731	1,085	0	7,843
110+50.00	11050.00	50.00	35.23	0.00	20.76	3.52	63	0	34	6	8,780	774	1,093	0	7,863
111+00.00	11100.00	50.00	37.54	0.00	23.15	3.75	67	0	41	7	8,847	825	1,101	0	7,879
111+50.00	11150.00	50.00	46.07	0.00	22.45	4.61	77	0	42	8	8,924	878	1,111	0	7,904
111+75.00	11175.00	25.00	76.99	0.00	0.83	7.70	57	0	11	6	8,981	891	1,119	0	7,947
112+00.00	11200.00	25.00	58.95	0.00	8.39	5.89	63	0	4	6	9,044	896	1,126	0	8,005
114+03.08	11403.08	0.00	44.30	0.00	10.87	4.43	0	0	0	0	9,044	896	1,126	0	8,005
114+35.99	11435.99	32.91	32.16	0.00	13.50	3.22	47	0	15	5	9,091	915	1,133	0	8,033
114+37.18	11437.18	1.19	31.58	0.00	13.82	3.16	1	0	1	0	9,092	916	1,133	0	8,033
114+50.00	11450.00	12.82	28.76	0.00	17.12	2.88	14	0	7	1	9,106	925	1,134	0	8,038
114+95.72	11495.72	45.72	11.98	0.00	27.29	1.20	34	0	38	3	9,140	973	1,138	0	8,025
115+00.00	11500.00	4.28	8.20	0.00	14.55	0.82	2	0	3	0	9,142	976	1,138	0	8,023
115+50.00	11550.00	50.00	0.54	29.25	35.91	0.05	8	27	47	1	9,150	1,035	1,139	0	7,945
116+00.00	11600.00	50.00	0.00	33.75	61.24	0.00	1	58	90	0	9,151	1,148	1,139	0	7,776
116+37.65	11637.65	37.65	29.25	35.25	90.67	2.93	20	48	106	2	9,171	1,280	1,141	0	7,615
116+50.00	11650.00	12.35	29.25	35.25	90.11	2.93	13	16	41	1	9,184	1,331	1,143	0	7,561
117+00.00	11700.00	50.00	33.75	35.25	54.40	3.38	58	65	134	6	9,242	1,499	1,150	0	7,386
117+20.93	11720.93	20.93	35.25	35.25	45.84	3.53	27	27	39	3	9,269	1,548	1,154	0	7,338
117+50.00	11750.00	29.07	35.89	35.25	31.53	3.59	38	38	42	4	9,307	1,600	1,159	0	7,285
117+76.00	11776.00	26.00	37.94	35.25	27.01	3.79	36	34	28	4	9,343	1,635	1,164	0	7,252
118+00.00	11800.00	24.00	46.42	35.25	10.34	4.64	37	31	17	4	9,380	1,656	1,169	0	7,237
118+50.00	11850.00	50.00	33.52	35.25	6.74	3.35	74	65	16	7	9,454	1,676	1,178	0	7,226
119+00.00	11900.00	50.00	56.18	28.50	3.01	5.62	83	59	9	8	9,537	1,688	1,188	0	7,239
119+50.00	11950.00	50.00	75.38	35.25	1.42	7.54	122	59	4	12	9,659	1,693	1,203	0	7,297
120+00.00	12000.00	50.00	81.32	35.25	1.32	8.13	145	65	3	15	9,804	1,696	1,221	0	7,373
120+15.00	12015.00	15.00	72.71	33.75	2.34	7.27	43	19	1	4	9,847	1,698	1,226	0	7,396
120+50.00	12050.00	35.00	79.57	29.25	3.01	7.96	99	41	3	10	9,946	1,701	1,239	0	7,450
120+65.00	12065.00	15.00	84.99	29.25	1.66	8.50	46	16	1	5	9,992	1,703	1,245	0	7,479
121+00.00	12100.00	35.00	108.02	29.25	2.69	10.80	125	38	3	13	10,117	1,706	1,261	0	7,562
121+50.00	12150.00	50.00	84.71	29.25	16.37	8.47	178	54	18	18	10,295	1,729	1,284	0	7,663
121+82.71	12182.71	32.71	82.79	29.25	0.00	8.28	101	35	10	10	10,396	1,741	1,296	0	7,717
122+00.00	12200.00	17.29	84.23	29.25	14.22	8.42	53	19	5	5	10,449	1,748	1,303	0	7,745
122+32.71	12232.71	32.71	75.83	29.25	12.24	7.58	97	35	16	10	10,546	1,768	1,315	0	7,787
122+50.00	12250.00	17.29	74.30	29.25	11.01	7.43	48	19	7	5	10,594	1,776	1,321	0	7,807
123+00.00	12300.00	50.00	73.11	29.25	12.43	7.31	136	54	22	14	10,730	1,804	1,339	0	7,861
123+50.00	12350.00	50.00	73.92	29.25	9.47	7.39	136	54	20	14	10,866	1,829	1,356	0	7,918
124+00.00	12400.00	50.00	74.23	29.25	9.14	7.42	137	54	17	14	11,003	1,850	1,374	0	7,980
124+50.00	12450.00	50.00	76.47	29.25	7.25	7.65	140	54	15	14	11,143	1,869	1,391	0	8,047
124+75.00	12475.00	25.00	80.52	29.25	6.25	8.05	73	27	6	7	11,216	1,876	1,400	0	8,086
125+00.00	12500.00	25.00	76.54	29.25	5.46	7.65	73	27	5	7	11,289	1,883	1,409	0	8,126
125+50.00	12550.00	50.00	79.13	29.25	4.53	7.91	144	54	9	14	11,433	1,894	1,426	0	8,204

JOHN NOLEN DRIVE NORTHBOUND (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
126+00.00	12600.00	50.00	77.24	29.25	4.95	7.72	145	54	9	14	11,578	1,905	1,444	0	8,284
126+25.00	12625.00	25.00	76.55	29.25	5.67	7.66	71	27	5	7	11,649	1,911	1,453	0	8,322
126+50.00	12650.00	25.00	77.29	29.25	6.01	7.73	71	27	5	7	11,720	1,918	1,461	0	8,360
126+99.11	12699.11	49.11	83.00	29.25	9.47	8.30	146	53	14	15	11,866	1,935	1,480	0	8,435
127+00.00	12700.00	0.89	83.10	29.25	9.52	8.31	3	1	0	0	11,869	1,935	1,480	0	8,437
127+50.00	12750.00	50.00	88.51	29.25	9.73	8.85	159	54	18	16	12,028	1,958	1,500	0	8,520
128+00.00	12800.00	50.00	93.17	29.25	7.90	9.32	168	54	16	17	12,196	1,978	1,521	0	8,614
128+37.42	12837.42	37.42	96.84	29.25	4.81	9.68	132	41	9	13	12,328	1,989	1,538	0	8,693
128+50.00	12850.00	12.58	96.74	29.25	4.13	9.67	45	14	2	5	12,373	1,991	1,544	0	8,722
129+00.00	12900.00	50.00	100.00	29.25	0.41	10.00	182	54	4	18	12,555	1,996	1,566	0	8,845
129+01.00	12901.00	1.00	100.00	29.25	0.41	10.00	4	1	0	0	12,559	1,996	1,566	0	8,848

JOHN NOLEN DRIVE NORTHBOUND - SHORELINE

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
80+00.00	8000.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
80+50.00	8050.00	50.00	58.62	0.00	13.80	0.00	54	0	13	0	54	16	0	0	38
80+75.00	8075.00	25.00	40.44	0.00	9.16	0.00	46	0	11	0	100	30	0	0	70
81+00.00	8100.00	25.00	43.27	0.00	2.29	0.00	39	0	5	0	139	36	0	0	103
81+50.00	8150.00	50.00	58.52	0.00	4.16	0.00	94	0	6	0	233	44	0	0	189
82+00.00	8200.00	50.00	60.11	0.00	0.00	0.00	110	0	4	0	343	49	0	0	294
82+50.00	8250.00	50.00	61.52	0.00	0.00	0.00	113	0	0	0	456	49	0	0	407
83+00.00	8300.00	50.00	62.14	0.00	0.00	0.00	114	0	0	0	570	49	0	0	521
83+50.00	8350.00	50.00	60.23	0.00	0.00	0.00	113	0	0	0	683	49	0	0	634
84+00.00	8400.00	50.00	62.15	0.00	0.00	0.00	113	0	0	0	796	49	0	0	747
84+50.00	8450.00	50.00	69.44	0.00	0.00	0.00	122	0	0	0	918	49	0	0	869
85+00.00	8500.00	50.00	80.27	0.00	0.00	0.00	139	0	0	0	1,057	49	0	0	1,008
85+50.00	8550.00	50.00	72.26	0.00	0.00	0.00	141	0	0	0	1,198	49	0	0	1,149
86+00.00	8600.00	50.00	68.51	0.00	0.00	0.00	130	0	0	0	1,328	49	0	0	1,279
86+50.00	8650.00	50.00	68.12	0.00	0.00	0.00	127	0	0	0	1,455	49	0	0	1,406
87+00.00	8700.00	50.00	76.55	0.00	0.00	0.00	134	0	0	0	1,589	49	0	0	1,540
87+50.00	8750.00	50.00	65.77	0.00	0.00	0.00	132	0	0	0	1,721	49	0	0	1,672
87+65.00	8765.00	15.00	93.63	0.00	0.00	0.00	44	0	0	0	1,765	49	0	0	1,716
87+80.00	8780.00	15.00	95.53	0.00	0.00	0.00	53	0	0	0	1,818	49	0	0	1,769
88+00.00	8800.00	20.00	72.82	0.00	0.00	0.00	62	0	0	0	1,880	49	0	0	1,831
89+35.00	8935.00	0.00	82.30	0.00	0.00	0.00	0	0	0	0	1,880	49	0	0	1,831
89+50.00	8950.00	15.00	92.48	0.00	0.00	0.00	49	0	0	0	1,929	49	0	0	1,880
89+57.14	8957.14	7.14	94.31	0.00	0.00	0.00	25	0	0	0	1,954	49	0	0	1,905
90+00.00	9000.00	42.86	65.64	0.00	16.84	0.00	127	0	13	0	2,081	65	0	0	2,016
90+50.00	9050.00	50.00	63.89	0.00	13.79	0.00	120	0	28	0	2,201	100	0	0	2,101
91+00.00	9100.00	50.00	71.89	0.00	13.57	0.00	126	0	25	0	2,327	131	0	0	2,196
91+50.00	9150.00	50.00	68.24	0.00	12.56	0.00	130	0	24	0	2,457	161	0	0	2,296
92+00.00	9200.00	50.00	81.90	0.00	0.00	0.00	139	0	12	0	2,596	176	0	0	2,420
92+50.00	9250.00	50.00	76.43	0.00	0.00	0.00	147	0	0	0	2,743	176	0	0	2,567
93+00.00	9300.00	50.00	88.41	0.00	0.00	0.00	153	0	0	0	2,896	176	0	0	2,720
93+50.00	9350.00	50.00	72.60	0.00	0.00	0.00	149	0	0	0	3,045	176	0	0	2,869
94+00.00	9400.00	50.00	60.54	0.00	0.00	0.00	123	0	0	0	3,168	176	0	0	2,992
94+50.00	9450.00	50.00	73.45	0.00	0.00	0.00	124	0	0	0	3,292	176	0	0	3,116
95+00.00	9500.00	50.00	79.05	0.00	0.00	0.00	141	0	0	0	3,433	176	0	0	3,257
95+50.00	9550.00	50.00	81.77	0.00	0.00	0.00	149	0	0	0	3,582	176	0	0	3,406
96+00.00	9600.00	50.00	80.31	0.00	0.00	0.00	150	0	0	0	3,732	176	0	0	3,556
96+50.00	9650.00	50.00	79.83	0.00	0.00	0.00	148	0	0	0	3,880	176	0	0	3,704
97+00.00	9700.00	50.00	90.61	0.00	0.00	0.00	158	0	0	0	4,038	176	0	0	3,862
97+50.00	9750.00	50.00	85.82	0.00	0.00	0.00	163	0	0	0	4,201	176	0	0	4,025
98+00.00	9800.00	50.00	87.93	0.00	0.00	0.00	161	0	0	0	4,362	176	0	0	4,186
98+50.00	9850.00	50.00	79.86	0.00	0.00	0.00	155	0	0	0	4,517	176	0	0	4,341
99+00.00	9900.00	50.00	88.33	0.00	0.00	0.00	156	0	0	0	4,673	176	0	0	4,497
99+50.00	9950.00	50.00	79.68	0.00	0.00	0.00	156	0	0	0	4,829	176	0	0	4,653
100+00.00	10000.00	50.00	78.39	0.00	0.00	0.00	146	0	0	0	4,975	176	0	0	4,799

JOHN NOLEN DRIVE NORTHBOUND - SHORELINE (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
100+50.00	10050.00	50.00	81.13	0.00	0.00	0.00	148	0	0	0	4,975	176	0	0	4,947
101+00.00	10100.00	50.00	80.19	0.00	0.00	0.00	149	0	0	0	5,124	176	0	0	5,096
101+50.00	10150.00	50.00	68.23	0.00	0.00	0.00	137	0	0	0	5,261	176	0	0	5,233
102+00.00	10200.00	50.00	66.91	0.00	0.00	0.00	125	0	0	0	5,386	176	0	0	5,358
102+50.00	10250.00	50.00	61.87	0.00	0.00	0.00	119	0	0	0	5,505	176	0	0	5,477
103+00.00	10300.00	50.00	69.09	0.00	0.00	0.00	121	0	0	0	5,626	176	0	0	5,598
103+50.00	10350.00	50.00	56.65	0.00	0.59	0.00	116	0	1	0	5,742	178	0	0	5,713
104+00.00	10400.00	50.00	60.54	0.00	3.26	0.00	109	0	4	0	5,851	183	0	0	5,817
104+50.00	10450.00	50.00	69.22	0.00	3.55	0.00	120	0	6	0	5,971	190	0	0	5,929
105+00.00	10500.00	50.00	65.18	0.00	3.91	0.00	124	0	7	0	6,095	199	0	0	6,044
105+50.00	10550.00	50.00	66.17	0.00	6.69	0.00	122	0	10	0	6,217	211	0	0	6,154
106+00.00	10600.00	50.00	43.03	0.00	10.05	0.00	101	0	16	0	6,318	231	0	0	6,235
106+20.01	10620.01	20.01	40.32	0.00	9.14	0.00	31	0	7	0	6,349	240	0	0	6,257
106+50.00	10650.00	29.99	47.15	0.00	3.74	0.00	49	0	7	0	6,398	249	0	0	6,297
107+00.00	10700.00	50.00	100.27	0.00	0.00	0.00	136	0	3	0	6,534	253	0	0	6,430
107+15.00	10715.00	15.00	53.54	0.00	0.00	0.00	43	0	0	0	6,577	253	0	0	6,473
109+00.00	10900.00	0.00	85.58	0.00	0.00	0.00	0	0	0	0	6,577	253	0	0	6,473
109+16.05	10916.05	16.05	83.27	0.00	0.00	0.00	50	0	0	0	6,627	253	0	0	6,523
109+50.00	10950.00	33.95	30.27	0.00	14.03	0.00	71	0	9	0	6,698	264	0	0	6,582
110+00.00	11000.00	50.00	26.83	0.00	15.53	0.00	53	0	27	0	6,751	298	0	0	6,602
110+50.00	11050.00	50.00	25.82	0.00	16.30	0.00	49	0	29	0	6,800	334	0	0	6,614
111+00.00	11100.00	50.00	26.36	0.00	12.62	0.00	48	0	27	0	6,848	368	0	0	6,629
111+50.00	11150.00	50.00	25.73	0.00	10.04	0.00	48	0	21	0	6,896	394	0	0	6,650
111+75.00	11175.00	25.00	25.96	0.00	7.34	0.00	24	0	8	0	6,920	404	0	0	6,664
112+00.00	11200.00	25.00	116.93	0.00	0.00	0.00	66	0	3	0	6,986	408	0	0	6,727
114+03.08	11403.08	0.00	58.08	0.00	0.00	0.00	0	0	0	0	6,986	408	0	0	6,727
114+35.99	11435.99	32.91	78.96	0.00	0.00	0.00	84	0	0	0	7,070	408	0	0	6,811
114+37.18	11437.18	1.19	81.16	0.00	0.00	0.00	4	0	0	0	7,074	408	0	0	6,815
114+50.00	11450.00	12.82	85.78	0.00	0.00	0.00	40	0	0	0	7,114	408	0	0	6,855
114+95.72	11495.72	45.72	67.19	0.00	18.11	0.00	130	0	15	0	7,244	426	0	0	6,966
115+00.00	11500.00	4.28	67.70	0.00	19.13	0.00	11	0	3	0	7,255	430	0	0	6,973
115+50.00	11550.00	50.00	65.46	0.00	29.42	0.00	123	0	45	0	7,378	486	0	0	7,040
116+00.00	11600.00	50.00	58.56	0.00	32.88	0.00	115	0	58	0	7,493	559	0	0	7,082
116+37.65	11637.65	37.65	73.65	0.00	15.49	0.00	92	0	34	0	7,585	601	0	0	7,132
116+50.00	11650.00	12.35	72.62	0.00	11.32	0.00	33	0	6	0	7,618	609	0	0	7,157

JOHN NOLEN DRIVE NORTHBOUND - SHORELINE (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	EXPANDED EBS BACKFILL 1.25 NOTE 4	REDUCED EBS IN FILL 0.00 NOTE 5	MASS ORDINATE NOTE 6
							NOTE 1	NOTE 2	NOTE 3						
117+00.00	11700.00	50.00	84.78	0.00	0.00	0.00	146	0	10	0	7,764	621	0	0	7,291
117+20.93	11720.93	20.93	92.42	0.00	0.02	0.00	69	0	0	0	7,833	621	0	0	7,360
117+50.00	11750.00	29.07	73.09	0.00	0.00	0.00	89	0	0	0	7,922	621	0	0	7,449
117+76.00	11776.00	26.00	64.21	0.00	0.00	0.00	66	0	0	0	7,988	621	0	0	7,515
118+00.00	11800.00	24.00	84.58	0.00	0.01	0.00	66	0	0	0	8,054	621	0	0	7,581
118+50.00	11850.00	50.00	91.47	0.00	0.01	0.00	163	0	0	0	8,217	621	0	0	7,744
119+00.00	11900.00	50.00	78.21	0.00	0.01	0.00	157	0	0	0	8,374	621	0	0	7,901
119+50.00	11950.00	50.00	53.80	0.00	0.01	0.00	122	0	0	0	8,496	621	0	0	8,023
120+00.00	12000.00	50.00	62.89	0.00	0.02	0.00	108	0	0	0	8,604	621	0	0	8,131
120+15.00	12015.00	15.00	69.32	0.00	0.04	0.00	37	0	0	0	8,641	621	0	0	8,168
120+50.00	12050.00	35.00	98.44	0.00	0.00	0.00	109	0	0	0	8,750	621	0	0	8,277
120+65.00	12065.00	15.00	96.39	0.00	0.03	0.00	54	0	0	0	8,804	621	0	0	8,331
121+00.00	12100.00	35.00	77.53	0.00	1.65	0.00	113	0	1	0	8,917	623	0	0	8,443
121+50.00	12150.00	50.00	54.02	0.00	4.09	0.00	122	0	5	0	9,039	629	0	0	8,558
121+82.71	12182.71	32.71	64.48	0.00	1.95	0.00	72	0	4	0	9,111	634	0	0	8,625
122+00.00	12200.00	17.29	0.00	0.00	0.00	0.00	21	0	1	0	9,132	635	0	0	8,645

JOHN NOLEN DRIVE NORTHBOUND - PATH

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
74+41.65	7441.65	0.00	0.00	0.00	0.90	0.00	0	0	0	0	0	0	0	0	0
74+50.00	7450.00	8.35	0.00	0.00	0.34	0.00	0	0	0	0	0	0	0	0	0
75+00.00	7500.00	50.00	1.52	0.00	0.10	0.15	1	0	0	0	1	0	0	0	1
75+50.00	7550.00	50.00	0.00	0.00	0.00	0.00	1	0	0	0	2	0	0	0	2
76+00.00	7600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	2	0	0	0	2
76+50.00	7650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	2	0	0	0	2
77+00.00	7700.00	50.00	4.18	0.00	0.53	0.42	4	0	0	0	6	0	0	0	6
77+50.00	7750.00	50.00	6.47	0.00	3.27	0.65	10	0	4	1	16	5	1	0	11
78+00.00	7800.00	50.00	4.24	0.00	2.06	0.42	10	0	5	1	26	11	3	0	15
78+50.00	7850.00	50.00	0.83	0.00	0.56	0.08	5	0	2	0	31	14	3	0	17
79+00.00	7900.00	50.00	0.00	0.00	0.00	0.00	1	0	1	0	32	15	3	0	17
79+25.00	7925.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	32	15	3	0	17
79+50.00	7950.00	25.00	0.00	0.00	0.00	0.00	0	0	0	0	32	15	3	0	17
80+00.00	8000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	32	15	3	0	17
80+50.00	8050.00	50.00	8.85	0.00	7.07	0.89	8	0	7	1	40	24	4	0	16
80+75.00	8075.00	25.00	15.96	0.00	0.99	1.60	11	0	4	1	51	29	5	0	22
81+00.00	8100.00	25.00	24.16	0.00	1.06	2.42	19	0	1	2	70	30	8	0	40
81+50.00	8150.00	50.00	23.53	0.00	2.60	2.35	44	0	3	4	114	34	13	0	80
82+00.00	8200.00	50.00	23.67	0.00	1.55	2.37	44	0	4	4	158	39	18	0	119
82+50.00	8250.00	50.00	25.39	0.00	3.33	2.54	45	0	5	5	203	45	24	0	158
83+00.00	8300.00	50.00	23.96	0.00	2.82	2.40	46	0	6	5	249	53	30	0	197
83+50.00	8350.00	50.00	24.30	0.00	2.94	2.43	45	0	5	4	294	59	35	0	235
84+00.00	8400.00	50.00	21.52	0.00	3.16	2.15	42	0	6	4	336	66	40	0	270
84+50.00	8450.00	50.00	1.34	0.00	5.94	0.13	21	0	8	2	357	76	43	0	281
85+00.00	8500.00	50.00	6.78	0.00	2.46	0.68	8	0	8	1	365	86	44	0	279
85+50.00	8550.00	50.00	7.70	0.00	1.28	0.77	13	0	3	1	378	90	45	0	288
86+00.00	8600.00	50.00	8.35	0.00	2.13	0.84	15	0	3	1	393	94	46	0	299
86+50.00	8650.00	50.00	6.44	0.00	3.66	0.64	14	0	5	1	407	100	48	0	307
87+00.00	8700.00	50.00	2.82	0.00	5.88	0.28	9	0	9	1	416	111	49	0	305
87+50.00	8750.00	50.00	2.37	0.00	5.46	0.24	5	0	11	0	421	125	49	0	296
87+65.00	8765.00	15.00	0.69	0.00	3.38	0.07	1	0	2	0	422	128	49	0	295
87+80.00	8780.00	15.00	3.68	0.00	1.77	0.37	1	0	1	0	423	129	49	0	294
88+00.00	8800.00	20.00	10.77	0.00	7.71	1.08	5	0	4	1	428	134	49	0	294

JOHN NOLEN DRIVE NORTHBOUND - PATH (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
89+35.00	8935.00	0.00	5.34	0.00	18.00	0.53	0	0	0	0	428	134	49	0	294
89+50.00	8950.00	15.00	0.82	0.00	8.09	0.08	2	0	7	0	430	143	49	0	288
89+57.14	8957.14	7.14	0.72	0.00	10.45	0.07	0	0	2	0	430	145	49	0	285
90+00.00	9000.00	42.86	0.21	0.00	12.99	0.02	1	0	19	0	431	169	49	0	262
90+50.00	9050.00	50.00	0.00	0.00	20.89	0.00	0	0	31	0	431	208	49	0	224
91+00.00	9100.00	50.00	0.32	0.00	15.42	0.03	0	0	34	0	431	250	49	0	181
91+50.00	9150.00	50.00	0.57	0.00	14.22	0.06	1	0	27	0	432	284	49	0	148
92+00.00	9200.00	50.00	0.00	0.00	19.08	0.00	1	0	31	0	433	323	49	0	111
92+50.00	9250.00	50.00	0.00	0.00	21.45	0.00	0	0	38	0	433	370	49	0	63
93+00.00	9300.00	50.00	0.79	0.00	11.68	0.08	1	0	31	0	434	409	49	0	25
93+50.00	9350.00	50.00	1.45	0.00	16.05	0.15	2	0	26	0	436	441	49	0	-5
94+00.00	9400.00	50.00	1.91	0.00	12.01	0.19	3	0	26	0	439	474	49	0	-35
94+50.00	9450.00	50.00	12.55	0.00	2.61	1.25	13	0	14	1	452	491	50	0	-39
95+00.00	9500.00	50.00	20.35	0.00	1.42	2.04	30	0	4	3	482	496	54	0	-14
95+50.00	9550.00	50.00	22.97	0.00	3.00	2.30	40	0	4	4	522	501	59	0	21
96+00.00	9600.00	50.00	21.04	0.00	4.18	2.10	41	0	7	4	563	510	64	0	53
96+50.00	9650.00	50.00	20.83	0.00	4.24	2.08	39	0	8	4	602	520	69	0	82
97+00.00	9700.00	50.00	19.29	0.00	3.29	1.93	37	0	7	4	639	529	74	0	110
97+50.00	9750.00	50.00	21.37	0.00	3.80	2.14	38	0	7	4	677	538	79	0	140
98+00.00	9800.00	50.00	25.30	0.00	3.91	2.53	43	0	7	4	720	546	84	0	174
98+50.00	9850.00	50.00	25.85	0.00	3.17	2.59	47	0	7	5	767	555	90	0	212
99+00.00	9900.00	50.00	23.69	0.00	3.31	2.37	46	0	6	5	813	563	96	0	251
99+50.00	9950.00	50.00	25.28	0.00	3.04	2.53	45	0	6	5	858	570	103	0	288
100+00.00	10000.00	50.00	22.32	0.00	5.27	2.23	44	0	8	4	902	580	108	0	322
100+50.00	10050.00	50.00	13.85	0.00	5.70	1.38	33	0	10	3	935	593	111	0	343
101+00.00	10100.00	50.00	20.12	0.00	3.37	2.01	31	0	8	3	966	603	115	0	364
101+50.00	10150.00	50.00	26.80	0.00	0.49	2.68	43	0	4	4	1,009	608	120	0	402
102+00.00	10200.00	50.00	32.37	0.00	0.43	3.24	55	0	1	5	1,064	609	126	0	455
102+50.00	10250.00	50.00	30.02	0.00	0.36	3.00	58	0	1	6	1,122	610	134	0	512
103+00.00	10300.00	50.00	24.51	0.00	1.62	2.45	50	0	2	5	1,172	613	140	0	560
103+50.00	10350.00	50.00	20.37	0.00	4.22	2.04	42	0	5	4	1,214	619	145	0	595
104+00.00	10400.00	50.00	17.44	0.00	7.18	1.74	35	0	11	4	1,249	633	150	0	617
104+50.00	10450.00	50.00	14.77	0.00	11.20	1.48	30	0	17	3	1,279	654	154	0	625
105+00.00	10500.00	50.00	11.67	0.00	11.88	1.17	24	0	21	2	1,303	680	156	0	623
105+50.00	10550.00	50.00	10.62	0.00	13.13	1.06	21	0	23	2	1,324	709	159	0	615
106+00.00	10600.00	50.00	9.79	0.00	11.41	0.98	19	0	23	2	1,343	738	161	0	606
106+20.01	10620.01	20.01	13.41	0.00	6.80	1.34	9	0	7	1	1,352	746	163	0	606
106+50.00	10650.00	29.99	14.04	0.00	2.93	1.40	15	0	5	2	1,367	753	165	0	615
107+00.00	10700.00	50.00	13.62	0.00	0.00	1.36	26	0	3	3	1,393	756	169	0	637
107+15.00	10715.00	15.00	21.03	0.00	0.00	2.10	10	0	0	1	1,403	756	170	0	647

JOHN NOLEN DRIVE NORTHBOUND - PATH (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
109+00.00	10900.00	0.00	3.80	0.00	0.67	0.38	0	0	0	0	1,403	756	170	0	647
109+16.05	10916.05	16.05	5.16	0.00	9.08	0.52	3	0	3	0	1,406	760	170	0	646
109+50.00	10950.00	33.95	0.59	0.00	27.32	0.06	4	0	23	0	1,410	789	170	0	621
110+00.00	11000.00	50.00	2.71	0.00	41.43	0.27	3	0	64	0	1,413	869	170	0	544
110+50.00	11050.00	50.00	0.00	0.00	55.25	0.00	3	0	90	0	1,416	981	170	0	435
111+00.00	11100.00	50.00	0.00	0.00	53.29	0.00	0	0	101	0	1,416	1,108	170	0	309
111+50.00	11150.00	50.00	0.00	0.00	38.24	0.00	0	0	85	0	1,416	1,214	170	0	202
111+75.00	11175.00	25.00	0.00	0.00	25.40	0.00	0	0	29	0	1,416	1,250	170	0	166
112+00.00	11200.00	25.00	5.41	0.00	7.32	0.54	3	0	15	0	1,419	1,269	170	0	150
114+03.08	11403.08	0.00	4.79	0.00	13.97	0.48	0	0	0	0	1,419	1,269	170	0	150
114+35.99	11435.99	32.91	3.75	0.00	9.86	0.38	5	0	15	1	1,424	1,288	171	0	137
114+37.18	11437.18	1.19	3.34	0.00	10.16	0.33	0	0	0	0	1,424	1,288	171	0	137
114+50.00	11450.00	12.82	1.29	0.00	15.64	0.13	1	0	6	0	1,425	1,295	171	0	130
114+95.72	11495.72	45.72	0.00	0.00	38.01	0.00	1	0	45	0	1,426	1,351	171	0	75
115+00.00	11500.00	4.28	0.00	0.00	38.72	0.00	0	0	6	0	1,426	1,359	171	0	67
115+50.00	11550.00	50.00	0.00	0.00	59.39	0.00	0	0	91	0	1,426	1,473	171	0	-47
116+00.00	11600.00	50.00	0.00	0.00	78.30	0.00	0	0	127	0	1,426	1,631	171	0	-205
116+37.65	11637.65	37.65	0.00	0.00	86.11	0.00	0	0	115	0	1,426	1,775	171	0	-349
116+50.00	11650.00	12.35	0.00	0.00	70.77	0.00	0	0	36	0	1,426	1,820	171	0	-394
117+00.00	11700.00	50.00	0.02	0.00	17.55	0.00	0	0	82	0	1,426	1,923	171	0	-497
117+20.93	11720.93	20.93	4.95	0.00	16.68	0.50	2	0	13	0	1,428	1,939	171	0	-511
117+50.00	11750.00	29.07	15.79	0.00	0.53	1.58	11	0	9	1	1,439	1,950	173	0	-511
117+76.00	11776.00	26.00	19.75	0.00	0.20	1.97	17	0	0	2	1,456	1,950	175	0	-494
118+00.00	11800.00	24.00	21.99	0.00	0.10	2.20	19	0	0	2	1,475	1,950	178	0	-475
118+50.00	11850.00	50.00	22.82	0.00	0.00	2.28	41	0	0	4	1,516	1,950	183	0	-434
119+00.00	11900.00	50.00	28.20	0.00	0.00	2.82	47	0	0	5	1,563	1,950	189	0	-387
119+50.00	11950.00	50.00	22.85	0.00	0.36	2.29	47	0	0	5	1,610	1,950	195	0	-340
120+00.00	12000.00	50.00	21.12	0.00	0.54	2.11	41	0	1	4	1,651	1,951	200	0	-300
120+15.00	12015.00	15.00	20.63	0.00	0.40	2.06	12	0	0	1	1,663	1,951	201	0	-288
120+50.00	12050.00	35.00	16.06	0.00	0.85	1.61	24	0	1	2	1,687	1,953	204	0	-266
120+65.00	12065.00	15.00	25.17	0.00	0.08	2.52	11	0	0	1	1,698	1,953	205	0	-255
121+00.00	12100.00	35.00	28.97	0.00	0.63	2.90	35	0	0	4	1,733	1,953	210	0	-220
121+50.00	12150.00	50.00	0.00	0.00	39.08	0.00	27	0	37	3	1,760	1,999	214	0	-239
121+82.71	12182.71	32.71	3.21	0.00	34.37	0.32	2	0	44	0	1,762	2,054	214	0	-292
122+00.00	12200.00	17.29	0.74	0.00	26.26	0.07	1	0	19	0	1,763	2,078	214	0	-315
122+32.71	12232.71	32.71	10.48	0.00	17.07	1.05	7	0	26	1	1,770	2,110	215	0	-340
122+50.00	12250.00	17.29	19.90	0.00	12.35	1.99	10	0	9	1	1,780	2,121	216	0	-341
123+00.00	12300.00	50.00	0.00	0.00	13.24	0.00	18	0	24	2	1,798	2,151	219	0	-353
123+50.00	12350.00	50.00	0.00	0.00	0.00	0.00	0	0	12	0	1,798	2,166	219	0	-368

JOHN NOLEN DRIVE NORTHBOUND - FLAT STONE BLOCK

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
81+75.00	8175.00	0.00	9.71	0.00	0.00	0.97	0	0	0	0	0	0	0	0	0
82+00.00	8200.00	25.00	9.71	0.00	0.00	0.97	9	0	0	1	9	0	1	0	9
82+50.00	8250.00	50.00	10.04	0.00	0.01	1.00	18	0	0	2	27	0	4	0	27
83+00.00	8300.00	50.00	10.87	0.00	0.00	1.09	19	0	0	2	46	0	6	0	46
83+50.00	8350.00	50.00	10.39	0.00	0.00	1.04	20	0	0	2	66	0	9	0	66
84+00.00	8400.00	50.00	10.00	0.00	0.00	1.00	19	0	0	2	85	0	11	0	85
84+50.00	8450.00	50.00	8.62	0.00	0.01	0.86	17	0	0	2	102	0	14	0	102
85+00.00	8500.00	50.00	8.38	0.00	0.00	0.84	16	0	0	2	118	0	16	0	118
85+50.00	8550.00	50.00	8.70	0.00	0.00	0.87	16	0	0	2	134	0	19	0	134
86+00.00	8600.00	50.00	7.96	0.00	0.00	0.80	15	0	0	2	149	0	21	0	149
86+50.00	8650.00	50.00	7.19	0.00	0.02	0.72	14	0	0	1	163	0	23	0	163
87+00.00	8700.00	50.00	6.52	0.00	0.02	0.65	13	0	0	1	176	0	24	0	176
87+50.00	8750.00	50.00	5.30	0.00	0.02	0.53	11	0	0	1	187	0	25	0	187
87+65.00	8765.00	15.00	0.00	0.00	0.00	0.00	1	0	0	0	188	0	25	0	188
91+75.00	9175.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	188	0	25	0	188
92+00.00	9200.00	25.00	6.47	0.00	0.00	0.65	3	0	0	0	191	0	25	0	191
92+50.00	9250.00	50.00	5.75	0.00	0.03	0.57	11	0	0	1	202	0	26	0	202
93+00.00	9300.00	50.00	6.39	0.00	0.00	0.64	11	0	0	1	213	0	28	0	213
93+50.00	9350.00	50.00	6.87	0.00	0.00	0.69	12	0	0	1	225	0	29	0	225
94+00.00	9400.00	50.00	6.75	0.00	0.00	0.68	13	0	0	1	238	0	30	0	238
94+50.00	9450.00	50.00	8.87	0.00	0.00	0.89	14	0	0	1	252	0	31	0	252
95+00.00	9500.00	50.00	10.12	0.00	0.00	1.01	18	0	0	2	270	0	34	0	270
95+50.00	9550.00	50.00	9.61	0.00	0.00	0.96	18	0	0	2	288	0	36	0	288
96+00.00	9600.00	50.00	8.77	0.00	0.00	0.88	17	0	0	2	305	0	39	0	305
96+50.00	9650.00	50.00	9.25	0.00	0.00	0.93	17	0	0	2	322	0	41	0	322
97+00.00	9700.00	50.00	9.27	0.00	0.00	0.93	17	0	0	2	339	0	44	0	339
97+50.00	9750.00	50.00	9.72	0.00	0.00	0.97	18	0	0	2	357	0	46	0	357
98+00.00	9800.00	50.00	10.14	0.00	0.00	1.01	18	0	0	2	375	0	49	0	375
98+50.00	9850.00	50.00	10.39	0.00	0.00	1.04	19	0	0	2	394	0	51	0	394
99+00.00	9900.00	50.00	10.83	0.00	0.00	1.08	20	0	0	2	414	0	54	0	414
99+50.00	9950.00	50.00	10.95	0.00	0.00	1.10	20	0	0	2	434	0	56	0	434
100+00.00	10000.00	50.00	10.38	0.00	0.02	1.04	20	0	0	2	454	0	59	0	454
100+50.00	10050.00	50.00	9.88	0.00	0.01	0.99	19	0	0	2	473	0	61	0	473
101+00.00	10100.00	50.00	10.74	0.00	0.00	1.07	19	0	0	2	492	0	64	0	492
101+50.00	10150.00	50.00	10.74	0.00	0.00	1.07	20	0	0	2	512	0	66	0	512

CAPITAL CITY TRAIL

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
69+97.60	6997.60	0.00	22.33	0.00	0.18	2.23	0	0	0	0	0	0	0	0	0
70+00.00	7000.00	2.40	22.31	0.00	0.17	2.23	2	0	0	0	2	0	0	0	2
70+50.00	7050.00	50.00	26.24	0.00	12.67	2.62	45	0	12	4	47	15	5	0	32
70+53.91	7053.91	3.91	25.02	0.00	14.44	2.50	4	0	2	0	51	18	5	0	34
71+00.00	7100.00	46.09	18.17	0.00	5.40	1.82	37	0	17	4	88	39	10	0	49
71+50.00	7150.00	50.00	15.90	0.00	9.67	1.59	32	0	14	3	120	56	14	0	64
72+00.00	7200.00	50.00	11.77	0.00	16.43	1.18	26	0	24	3	146	86	18	0	60
72+50.00	7250.00	50.00	11.32	0.00	24.73	1.13	21	0	38	2	167	134	20	0	33
73+00.00	7300.00	50.00	12.24	0.00	19.57	1.22	22	0	41	2	189	185	23	0	4
73+50.00	7350.00	50.00	9.21	0.00	21.99	0.92	20	0	38	2	209	233	25	0	-24
74+00.00	7400.00	50.00	6.16	0.00	22.53	0.62	14	0	41	1	223	284	26	0	-61
74+50.00	7450.00	50.00	1.59	0.00	30.13	0.16	7	0	49	1	230	345	28	0	-115
74+90.00	7490.00	40.00	0.11	0.00	35.56	0.01	1	0	49	0	231	406	28	0	-175
75+00.00	7500.00	10.00	0.50	0.00	40.67	0.05	0	0	14	0	231	424	28	0	-193
75+50.00	7550.00	50.00	3.80	0.00	14.15	0.38	4	0	51	0	235	488	28	0	-253
76+00.00	7600.00	50.00	16.41	0.00	2.38	1.64	19	0	15	2	254	506	30	0	-252
76+50.00	7650.00	50.00	4.32	0.00	8.09	0.43	19	0	10	2	273	519	33	0	-246
77+00.00	7700.00	50.00	13.08	0.00	3.97	1.31	16	0	11	2	289	533	35	0	-244
77+50.00	7750.00	50.00	14.76	0.00	3.56	1.48	26	0	7	3	315	541	39	0	-226
78+00.00	7800.00	50.00	10.48	0.00	7.72	1.05	23	0	10	2	338	554	41	0	-216
78+50.00	7850.00	50.00	9.25	0.00	6.26	0.92	18	0	13	2	356	570	44	0	-214
79+00.00	7900.00	50.00	13.78	0.00	3.75	1.38	21	0	9	2	377	581	46	0	-204
79+50.00	7950.00	50.00	13.00	0.00	3.51	1.30	25	0	7	2	402	590	49	0	-188
80+00.00	8000.00	50.00	11.66	0.00	1.97	1.17	23	0	5	2	425	596	51	0	-171
80+50.00	8050.00	50.00	6.34	0.00	6.12	0.63	17	0	7	2	442	605	54	0	-163
80+75.00	8075.00	25.00	5.91	0.00	10.83	0.59	6	0	8	1	448	615	55	0	-167
80+93.00	8093.00	18.00	5.91	0.00	10.83	0.59	4	0	7	0	452	624	55	0	-172

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FISHING DOCK

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
415+12.00	41512.00	0.00	11.33	0.00	0.00	1.13	0	0	0	0	0	0	0	0	0
415+25.00	41525.00	13.00	11.82	0.00	0.00	1.18	6	0	0	1	6	0	1	0	6
415+45.00	41545.00	20.00	45.69	0.00	0.00	4.57	21	0	0	2	27	0	4	0	27
415+70.00	41570.00	25.00	12.27	0.00	0.00	1.23	27	0	0	3	54	0	8	0	54
415+82.64	41582.64	12.64	11.49	0.00	0.00	1.15	6	0	0	1	60	0	9	0	60

FISHING DOCK OUT

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
700+11.00	70011.00	0.00	21.44	0.00	0.00	2.14	0	0	0	0	0	0	0	0	0
700+16.22	70016.22	5.22	22.29	0.00	0.00	2.23	4	0	0	0	4	0	0	0	4
700+22.22	70022.22	6.00	19.58	0.00	0.00	1.96	5	0	0	0	9	0	0	0	9

SOUTH SHORELINE

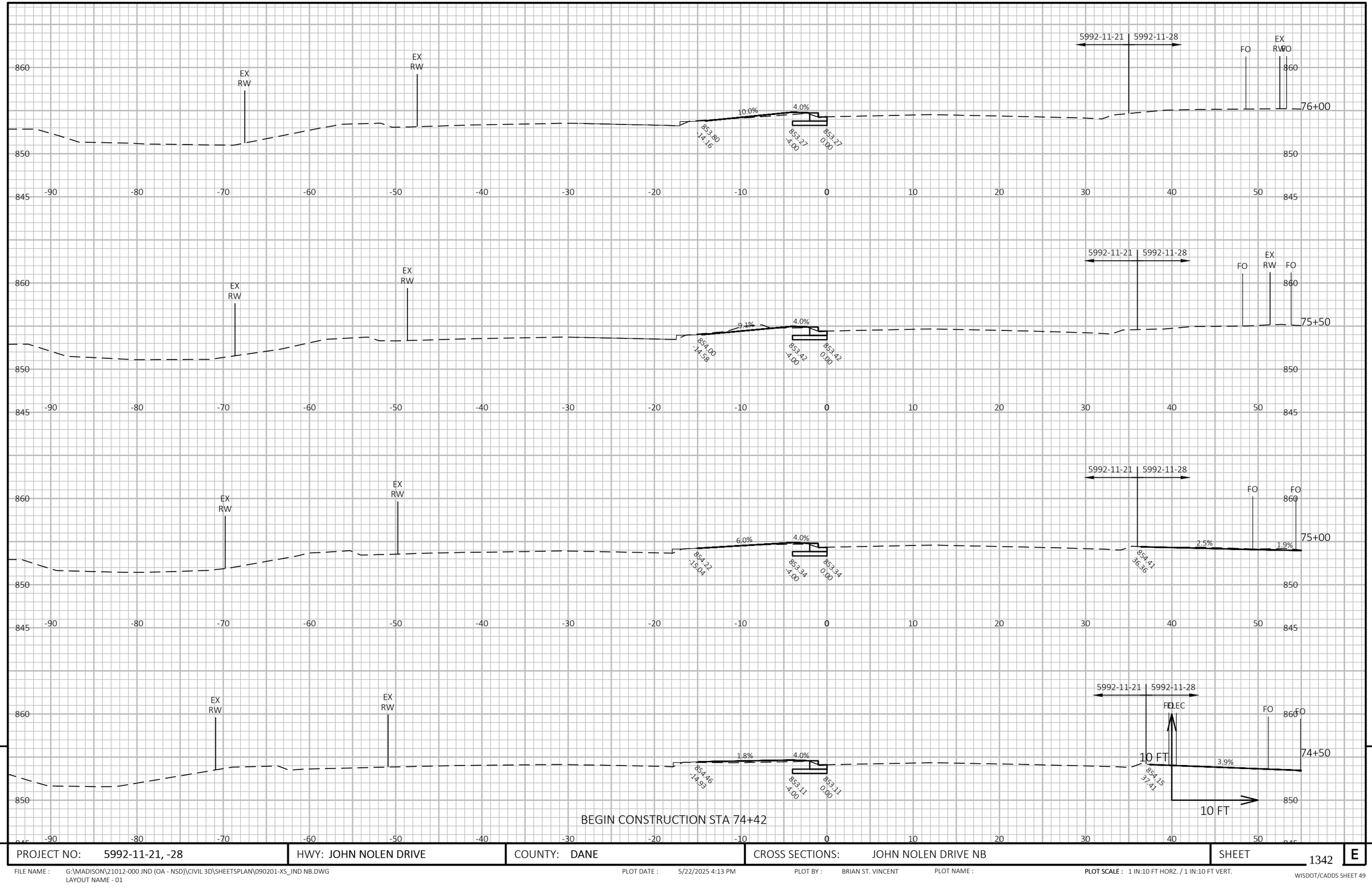
STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.25 NOTE 4	0.00 NOTE 5	NOTE 6
0+99.09	99.09	0.00	49.64	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
1+00.00	100.00	0.91	51.12	0.00	0.00	0.00	2	0	0	0	2	0	0	0	2
1+30.72	130.72	30.72	49.04	0.00	0.00	0.00	57	0	0	0	59	0	0	0	59
1+50.00	150.00	19.28	61.46	0.00	3.07	0.00	39	0	1	0	98	1	0	0	97
2+00.00	200.00	50.00	55.40	0.00	9.16	0.00	108	0	11	0	206	15	0	0	191
2+14.00	214.00	14.00	49.78	0.00	11.12	0.00	27	0	5	0	233	21	0	0	212

JOHN NOLEN DRIVE NORTHBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
74+41.65	7441.65	0.00	6.09	0.00	1.93	0.61	0	0	0	0	0	0	0	0	0
74+50.00	7450.00	8.35	6.09	0.00	1.72	0.61	2	0	1	0	2	1	0	0	1
75+00.00	7500.00	50.00	6.11	0.00	0.43	0.61	11	0	2	1	13	4	1	0	9
75+50.00	7550.00	50.00	8.37	0.00	0.19	0.84	13	0	1	1	26	5	3	0	21
76+00.00	7600.00	50.00	6.02	0.00	1.20	0.60	13	0	1	1	39	6	4	0	33
76+50.00	7650.00	50.00	6.04	0.00	1.39	0.60	11	0	2	1	50	9	5	0	41
77+00.00	7700.00	50.00	6.17	0.00	1.04	0.62	11	0	2	1	61	11	6	0	50
77+50.00	7750.00	50.00	6.11	0.00	1.58	0.61	11	0	2	1	72	14	8	0	58
78+00.00	7800.00	50.00	6.25	0.00	1.00	0.63	11	0	2	1	83	16	9	0	67
78+50.00	7850.00	50.00	6.43	0.00	0.81	0.64	12	0	2	1	95	19	10	0	76
78+99+00	7899.00	49.00	6.43	0.00	0.81	0.64	12	0	1	1	107	20	11	0	87
129+00.00	12900.00	0.00	7.47	0.00	0.00	0.75	0	0	0	0	107	20	11	0	87
129+50.00	12950.00	50.00	7.47	0.00	0.00	0.75	14	0	0	1	121	20	13	0	101
129+81.36	12981.36	31.36	6.61	0.00	0.00	0.66	8	0	0	1	129	20	14	0	109

JOHN NOLEN DRIVE SOUTHBOUND

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	EBS	CUT	EXPANDED FILL	EXPANDED EBS BACKFILL	REDUCED EBS IN FILL	MASS ORDINATE
											1.00	1.25	1.25	0.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 5	NOTE 6
74+41.39	7441.39	0.00	3.94	0.00	0.00	0.39	0	0	0	0	0	0	0	0	0
74+50.00	7450.00	8.61	5.26	0.00	0.00	0.53	1	0	0	0	1	0	0	0	1
75+00.00	7500.00	50.00	5.35	0.00	0.00	0.53	10	0	0	1	11	0	1	0	11
75+50.00	7550.00	50.00	16.09	8.63	0.00	1.61	20	0	0	2	31	0	4	0	31
76+00.00	7600.00	50.00	16.21	8.63	0.00	1.62	30	0	0	3	61	0	8	0	61
76+50.00	7650.00	50.00	16.37	8.63	0.00	1.64	30	0	0	3	91	0	11	0	91
77+00.00	7700.00	50.00	16.57	8.63	0.00	1.66	31	0	0	3	122	0	15	0	122
77+50.00	7750.00	50.00	16.60	8.63	0.00	1.66	31	0	0	3	153	0	19	0	153
78+00.00	7800.00	50.00	5.61	0.00	0.00	0.56	21	0	0	2	174	0	21	0	174
78+16.00	7816.00	16.00	5.25	0.00	0.00	0.53	3	0	0	0	177	0	21	0	177
125+94.87	12594.87	0.00	5.18	0.00	0.00	0.52	0	0	0	0	177	0	21	0	177
126+00.00	12600.00	5.13	5.14	0.00	0.00	0.51	1	0	0	0	178	0	21	0	178
126+50.00	12650.00	50.00	5.08	0.00	0.00	0.51	9	0	0	1	187	0	23	0	187
127+00.00	12700.00	50.00	4.79	0.00	0.00	0.48	9	0	0	1	196	0	24	0	196
127+50.00	12750.00	50.00	4.64	0.00	0.01	0.46	9	0	0	1	205	0	25	0	205
128+00.00	12800.00	50.00	4.85	0.00	0.00	0.49	9	0	0	1	214	0	26	0	214
128+50.00	12850.00	50.00	4.92	0.00	0.00	0.49	9	0	0	1	223	0	28	0	223
128+90.57	12890.57	40.57	4.96	0.00	0.00	0.50	7	0	0	1	230	0	29	0	230



BEGIN CONSTRUCTION STA 74+42

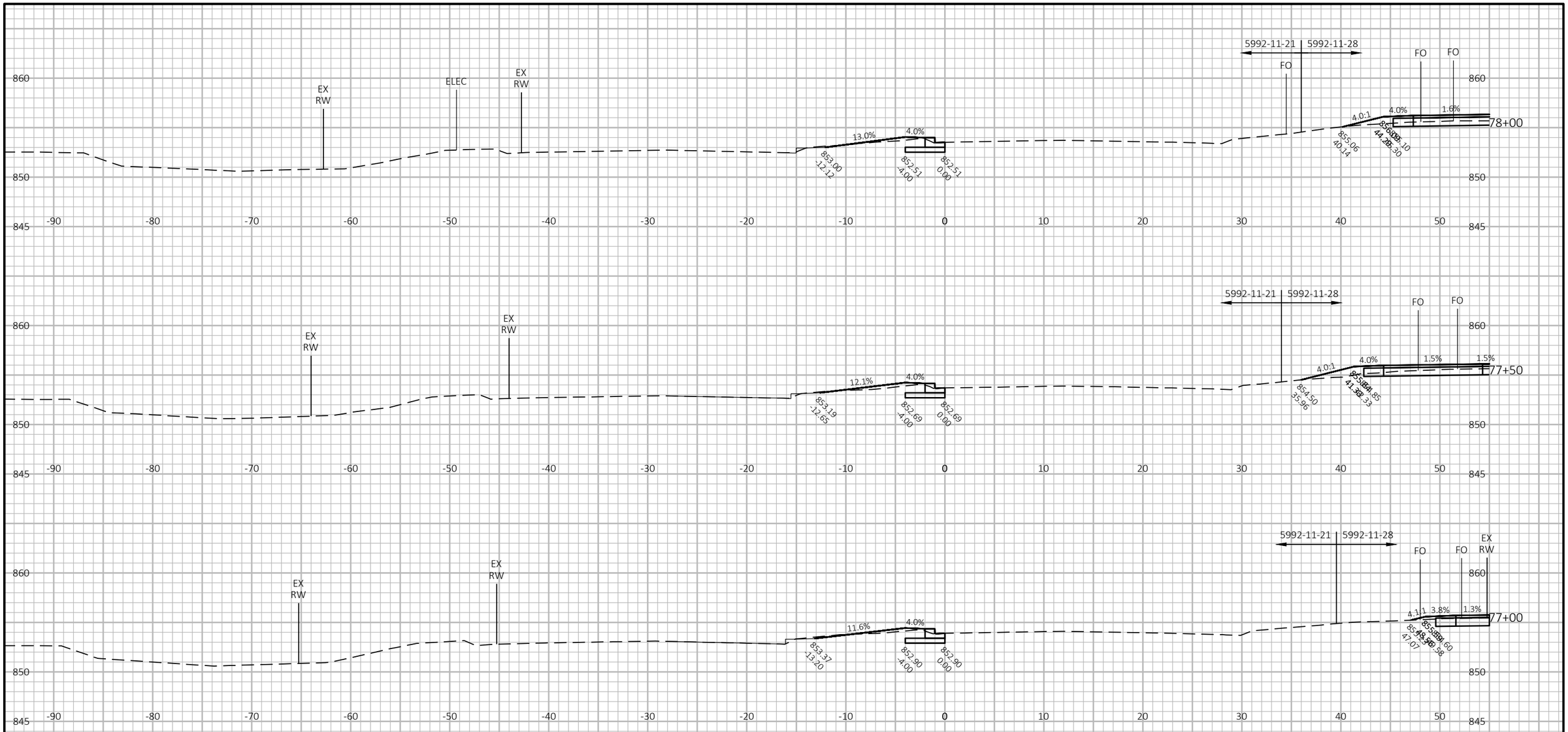
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LAYOUT NAME - 01

PLOT DATE : 5/22/2025 4:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



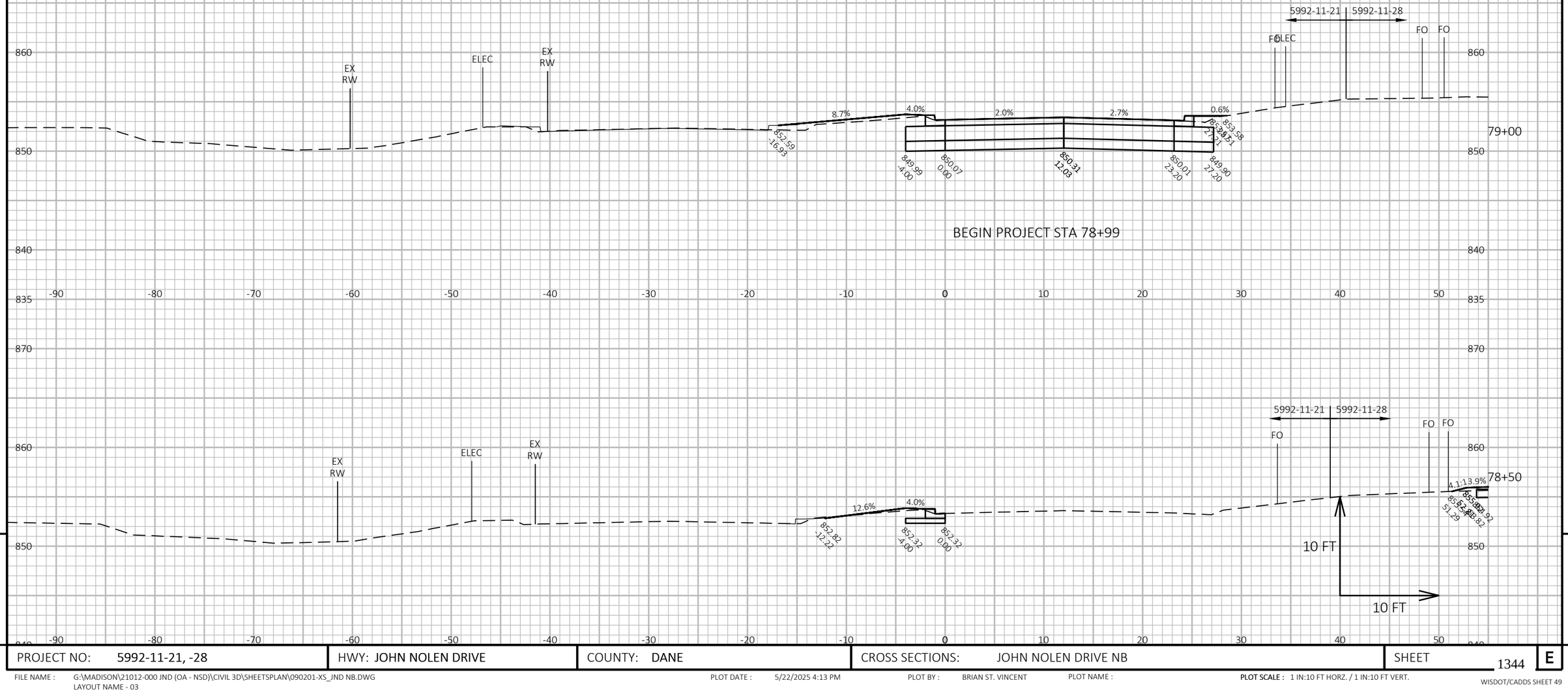
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1343	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 4:13 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1344	E

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LAYOUT NAME - 03

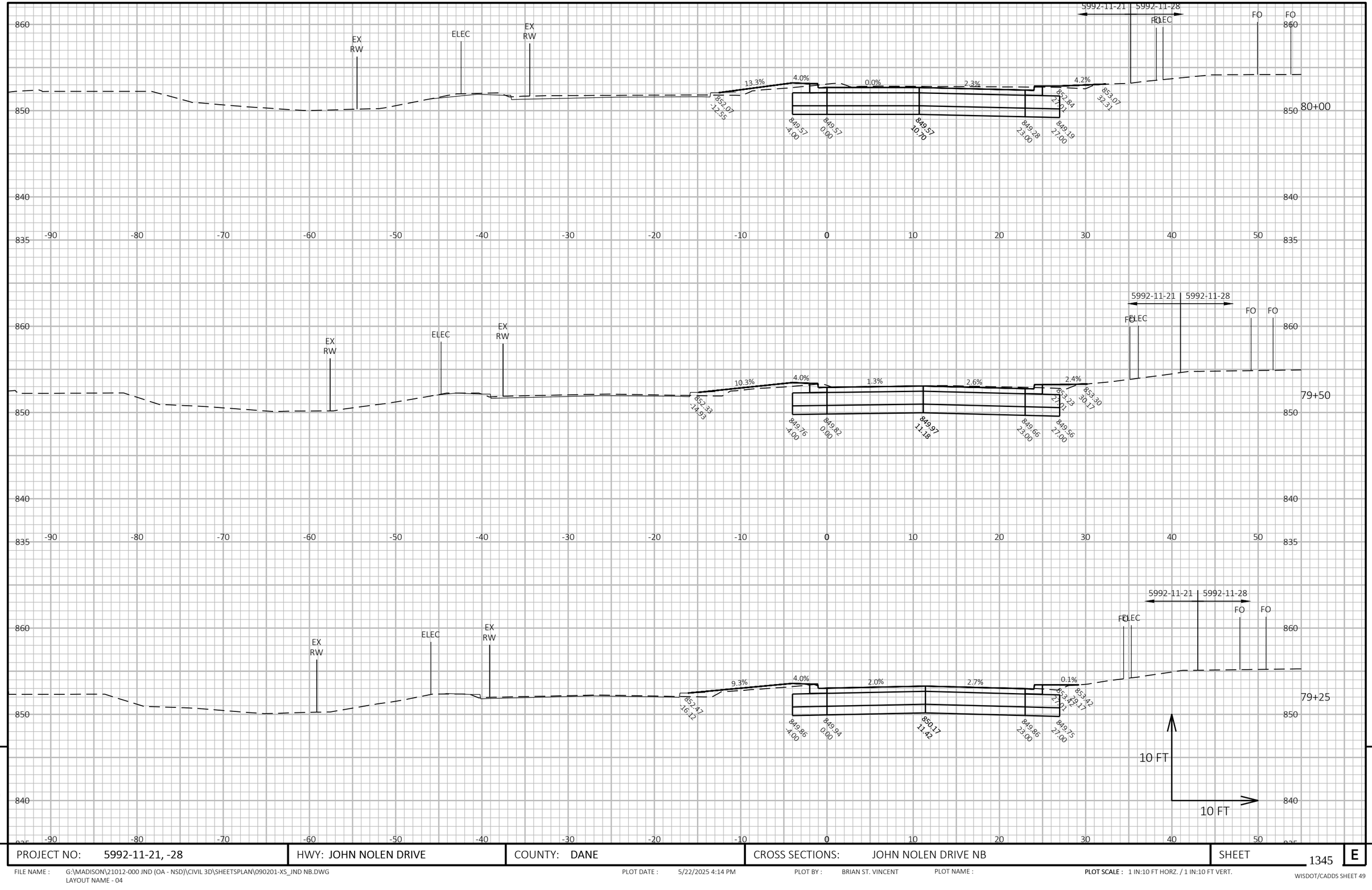
PLOT DATE : 5/22/2025 4:13 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1345	E

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LAYOUT NAME - 04

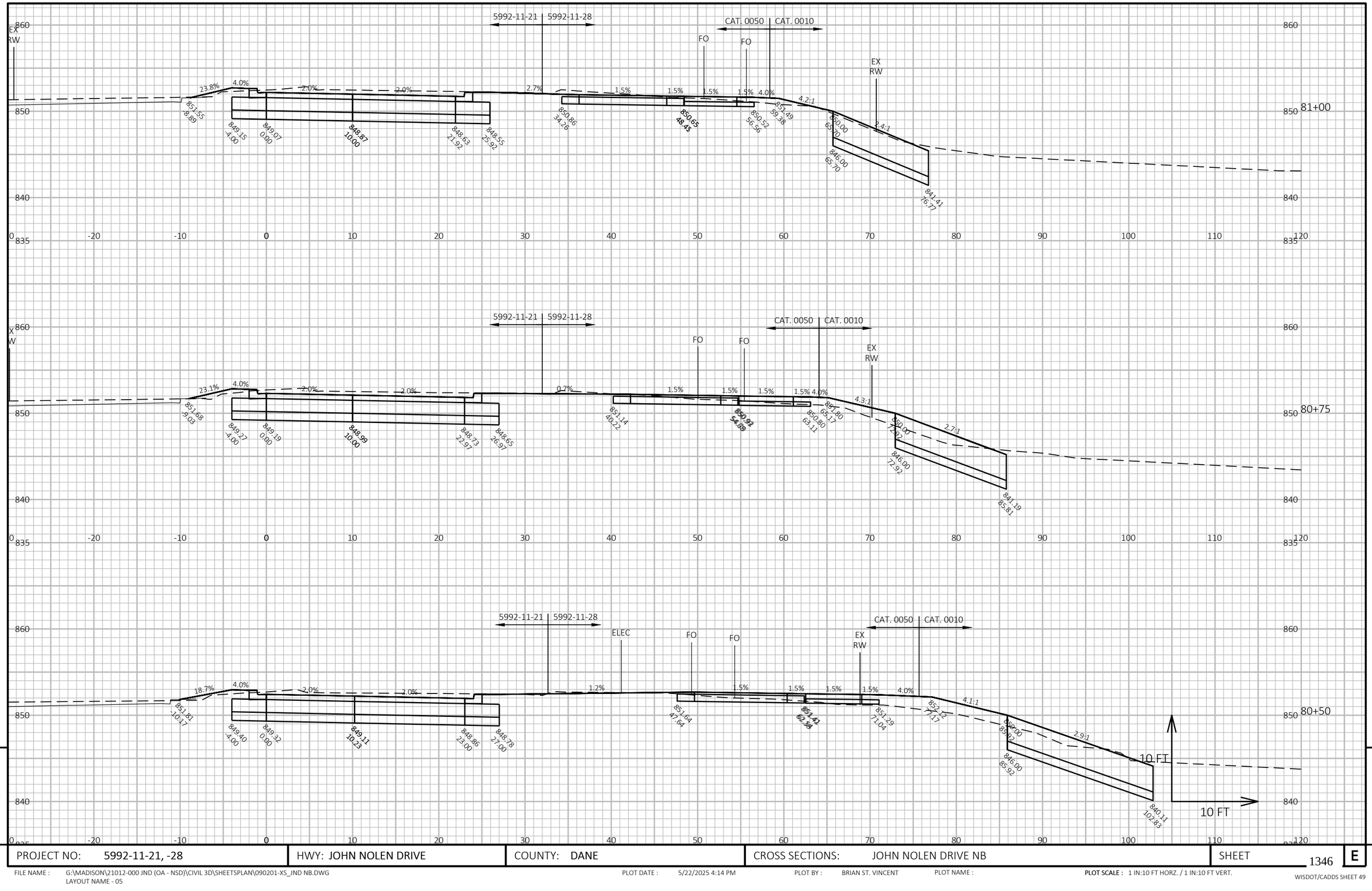
PLOT DATE : 5/22/2025 4:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1346	E

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LAYOUT NAME - 05

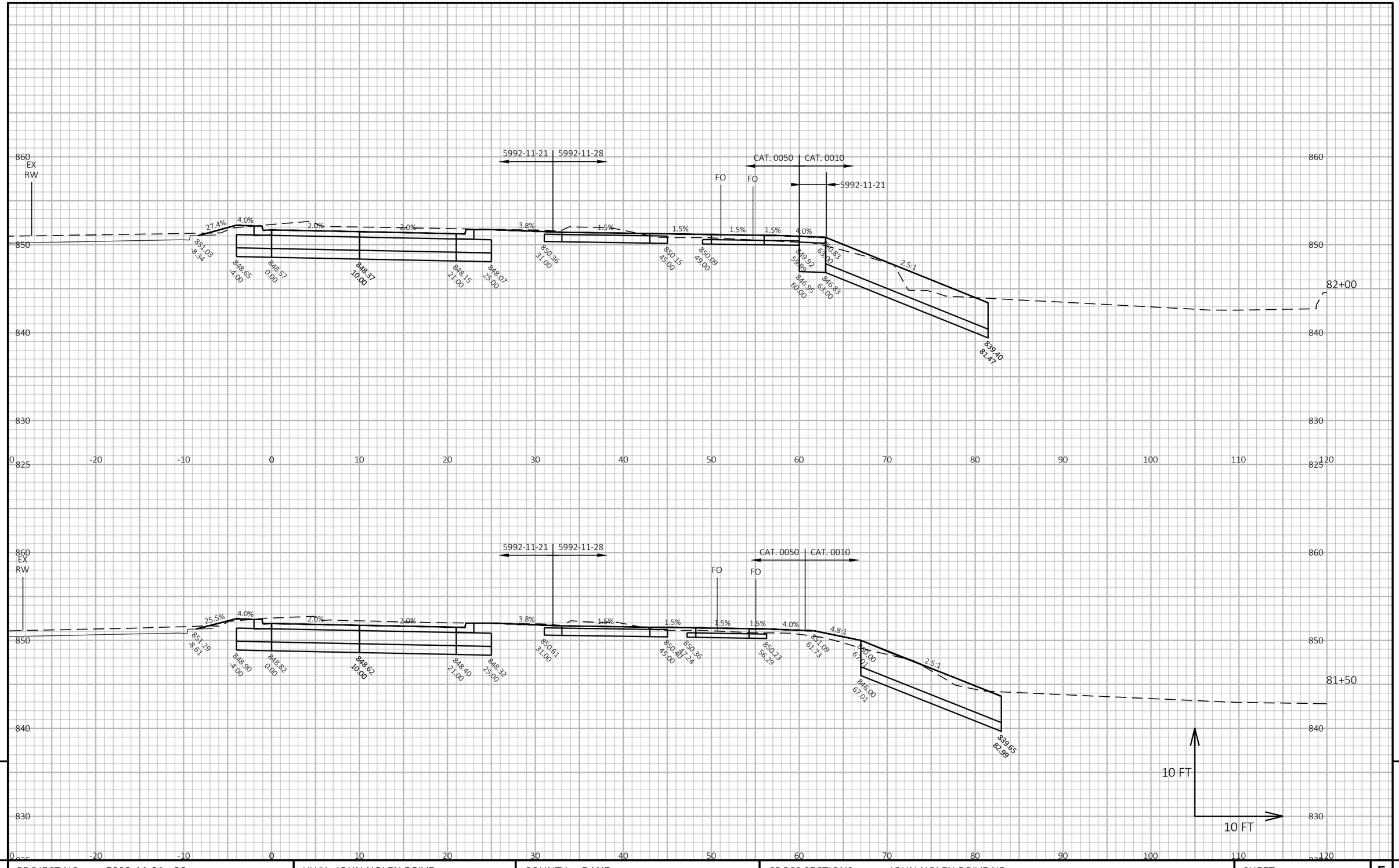
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PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1347	E

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LAYOUT NAME - 06

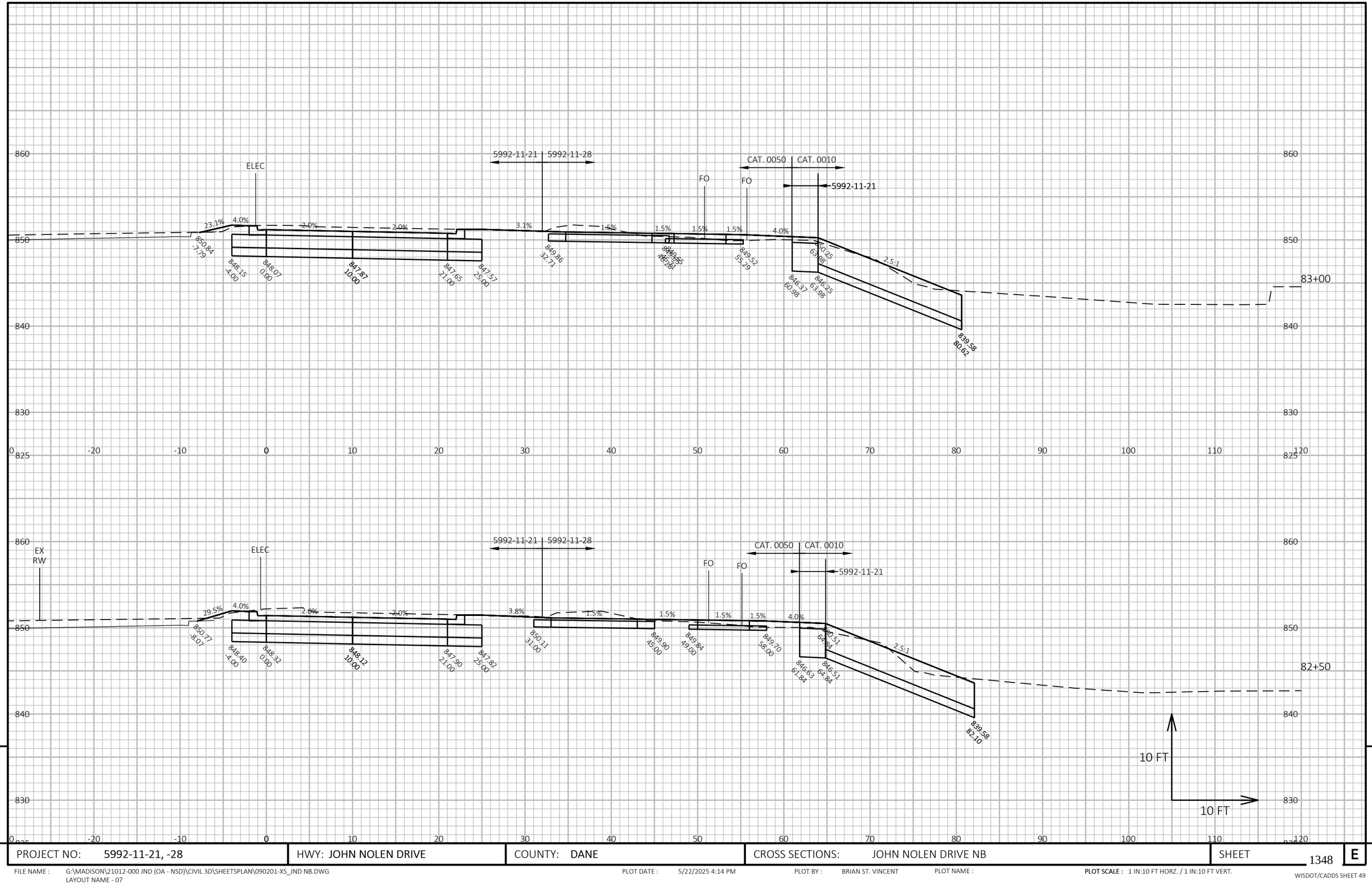
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PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1348	E

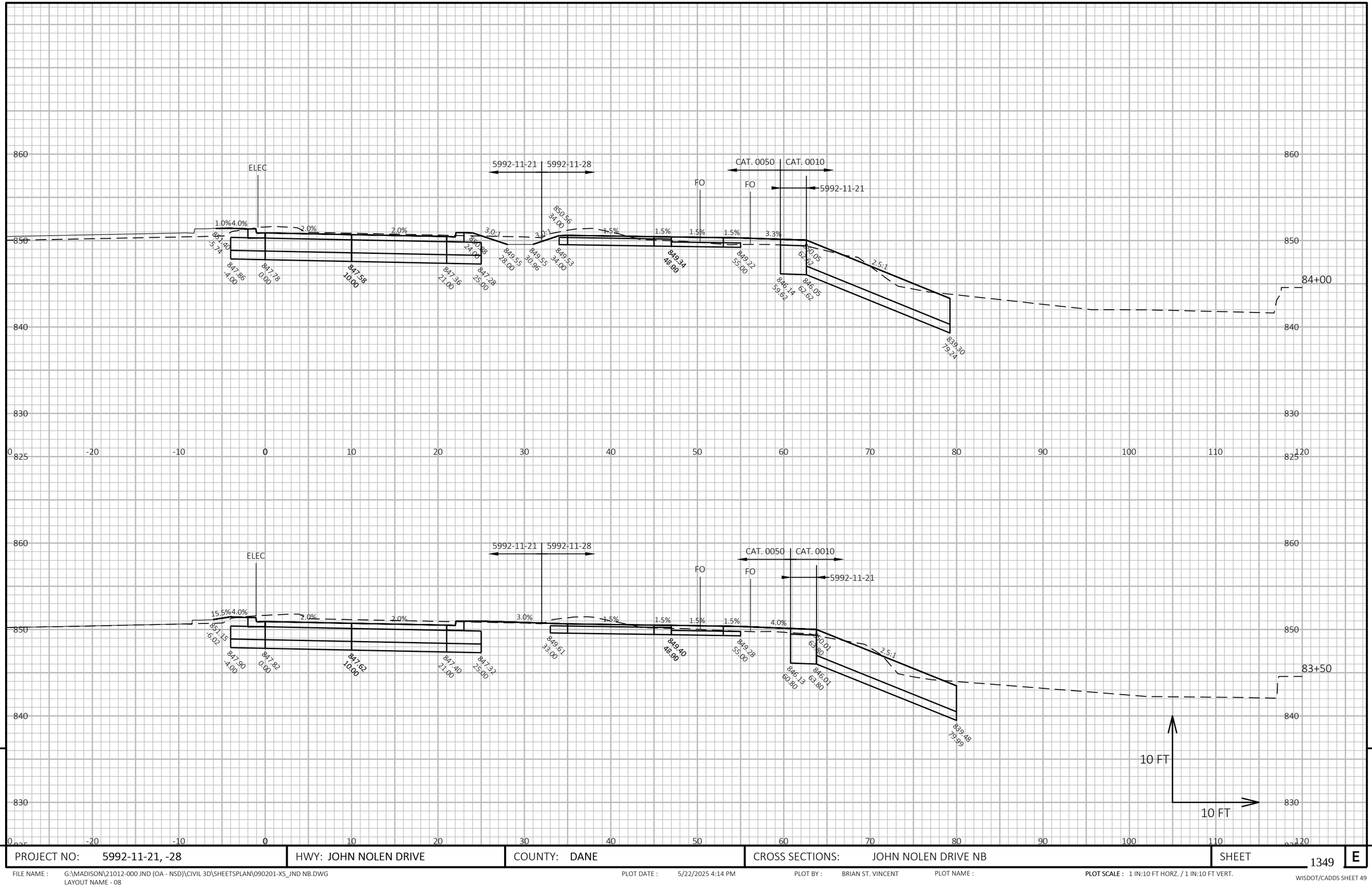
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LAYOUT NAME - 07

PLOT DATE : 5/22/2025 4:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1349	E

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LAYOUT NAME - 08

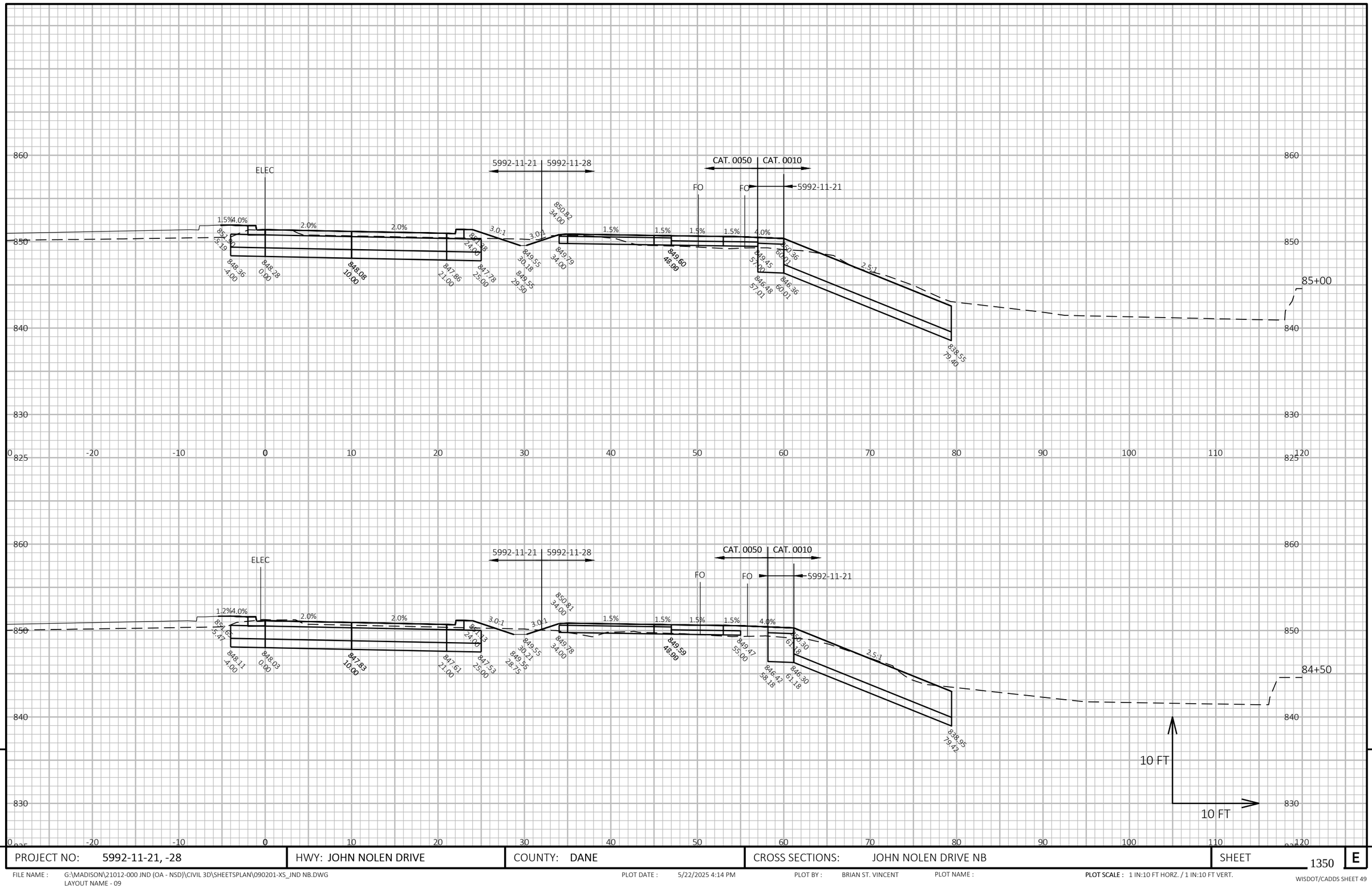
PLOT DATE : 5/22/2025 4:14 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

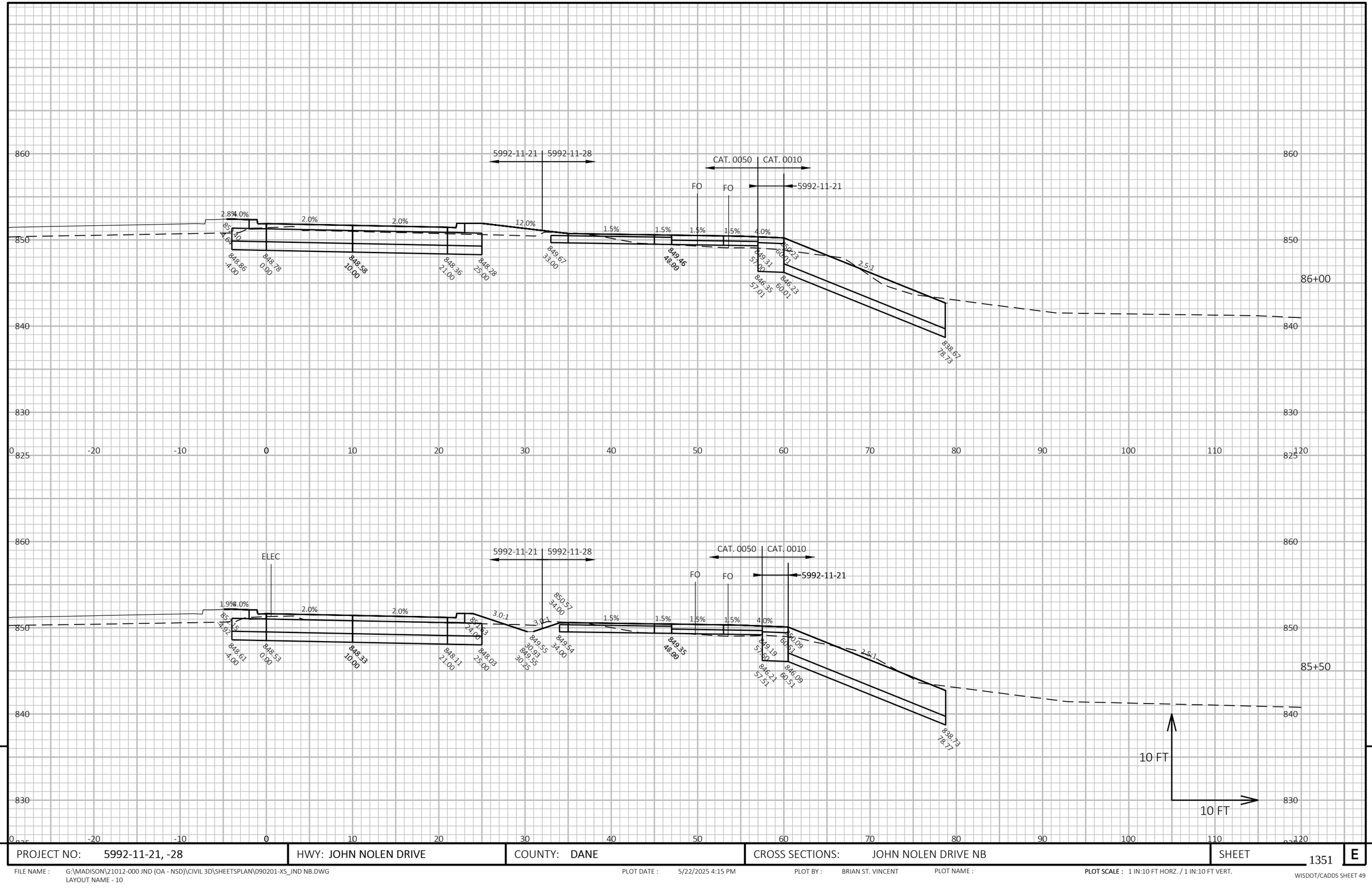


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1350	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 09

PLOT DATE : 5/22/2025 4:14 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



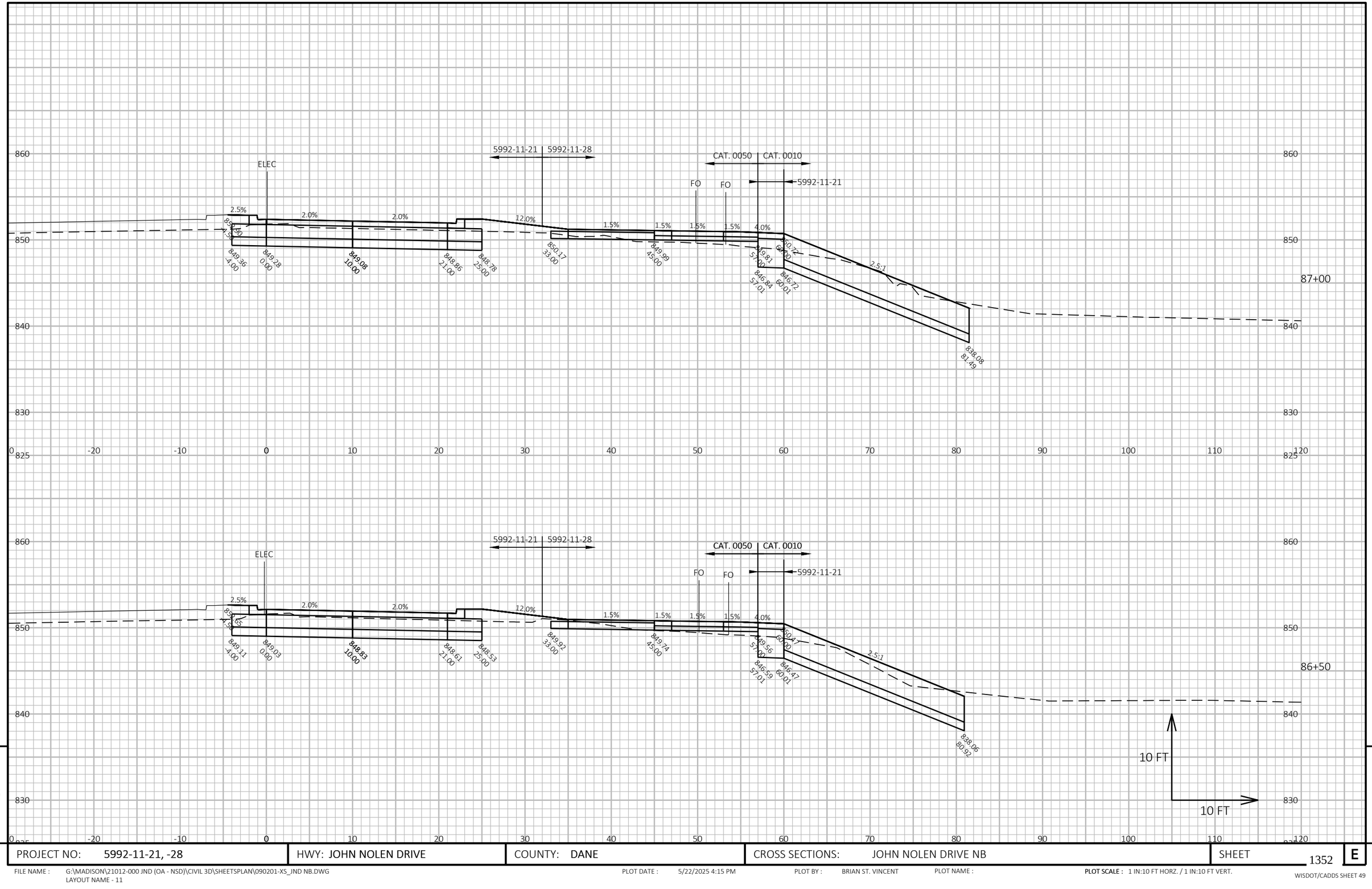
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB

SHEET 1351 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 10

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

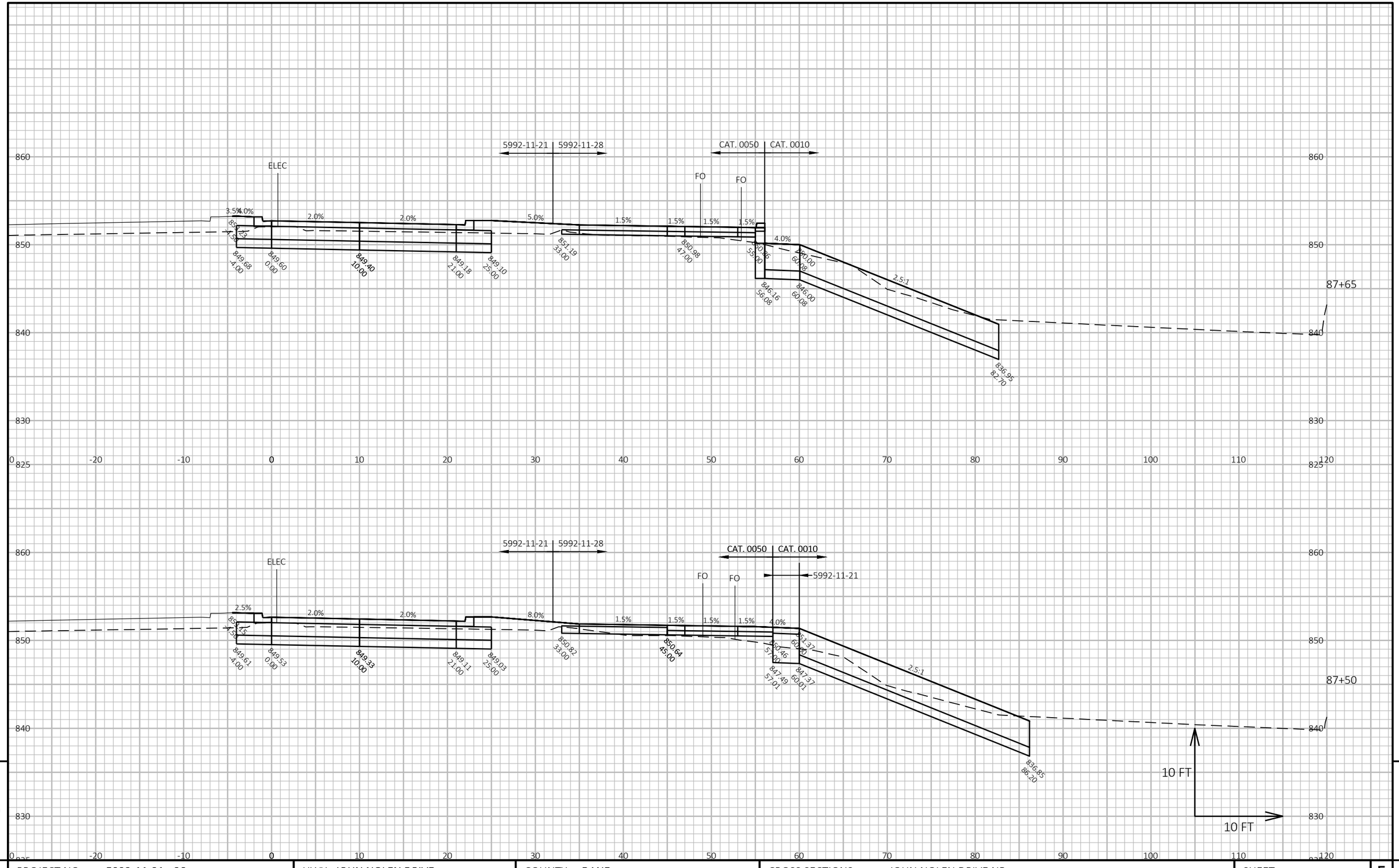


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1352	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 11

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

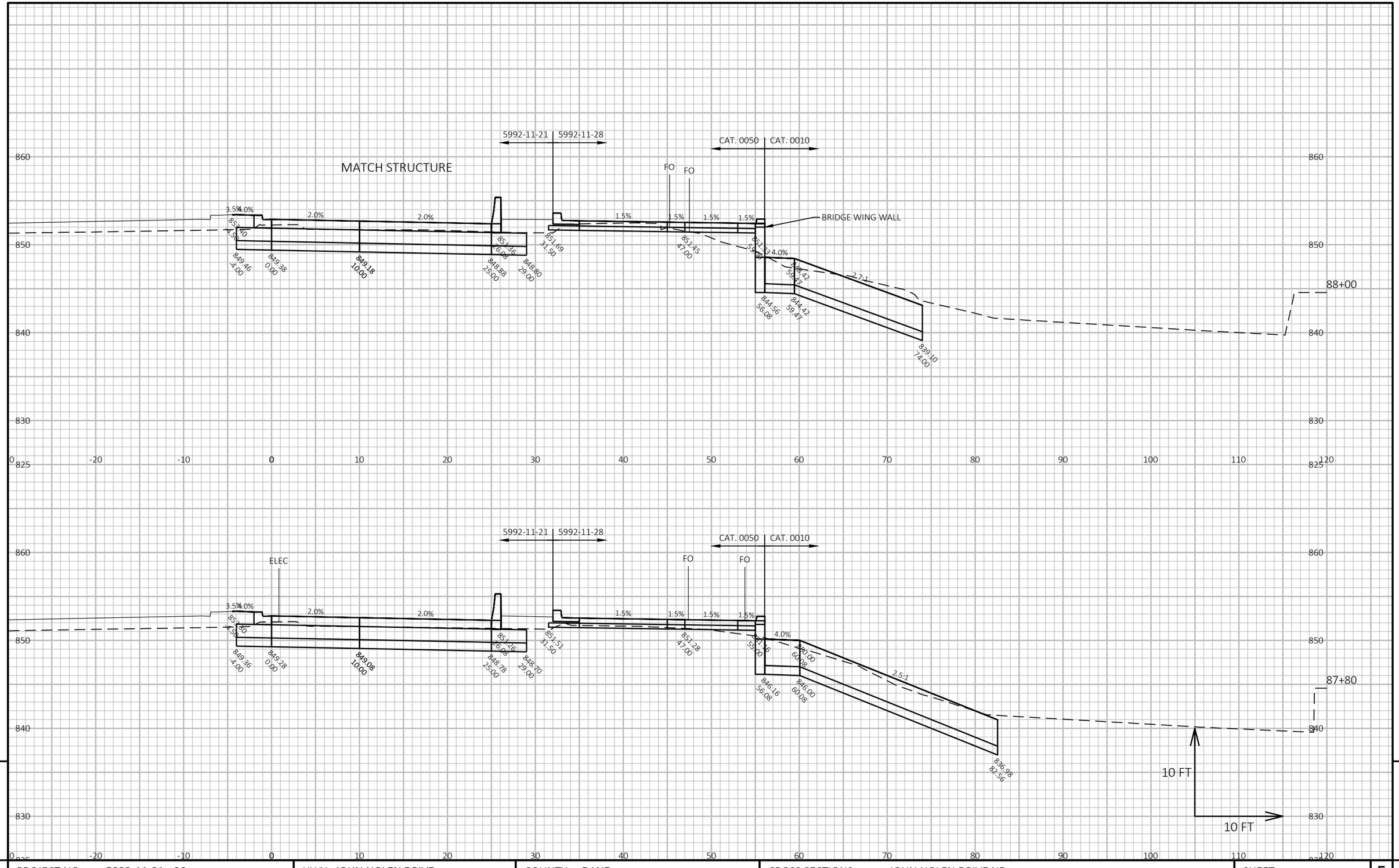


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1353	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 12

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

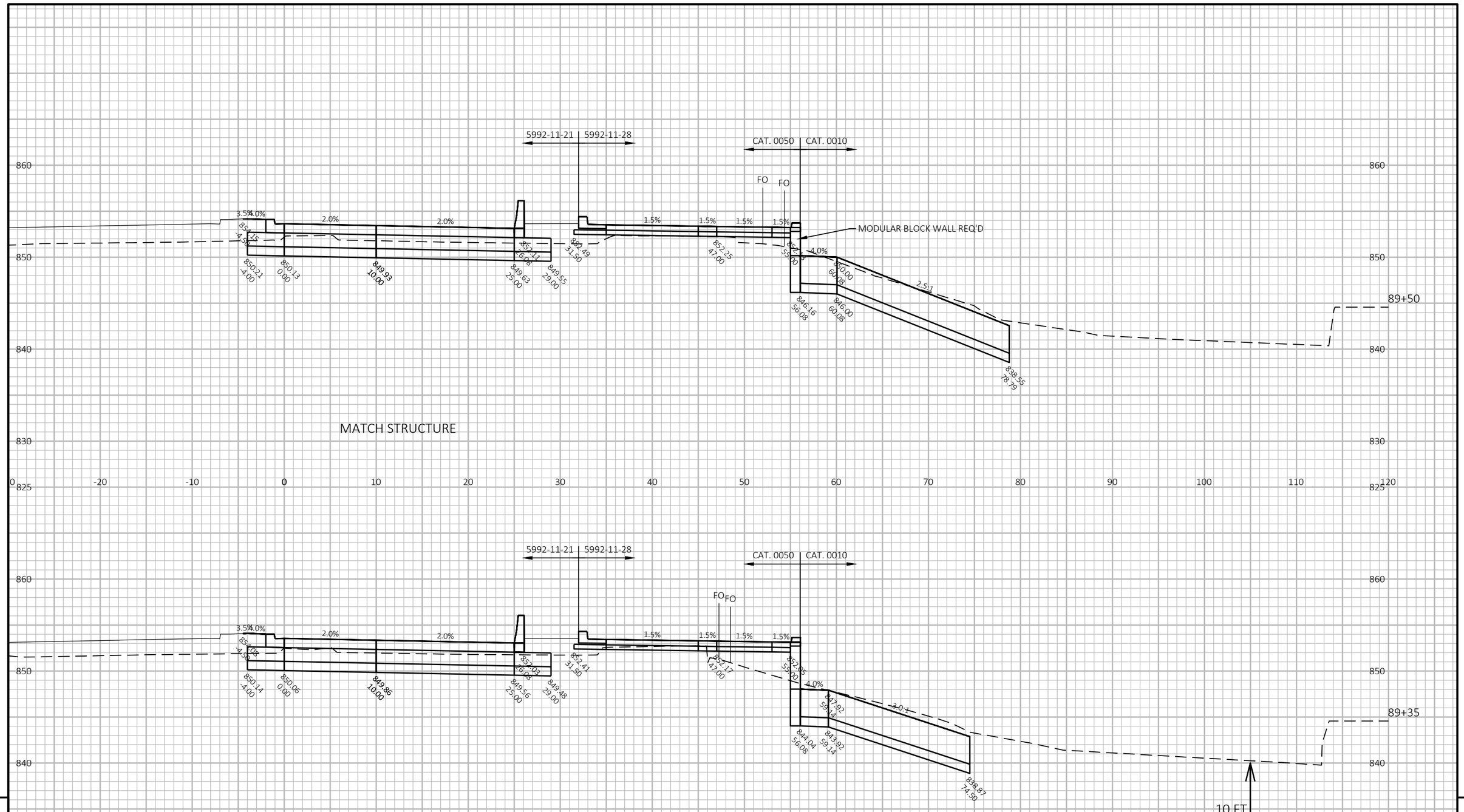


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1354 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 13

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

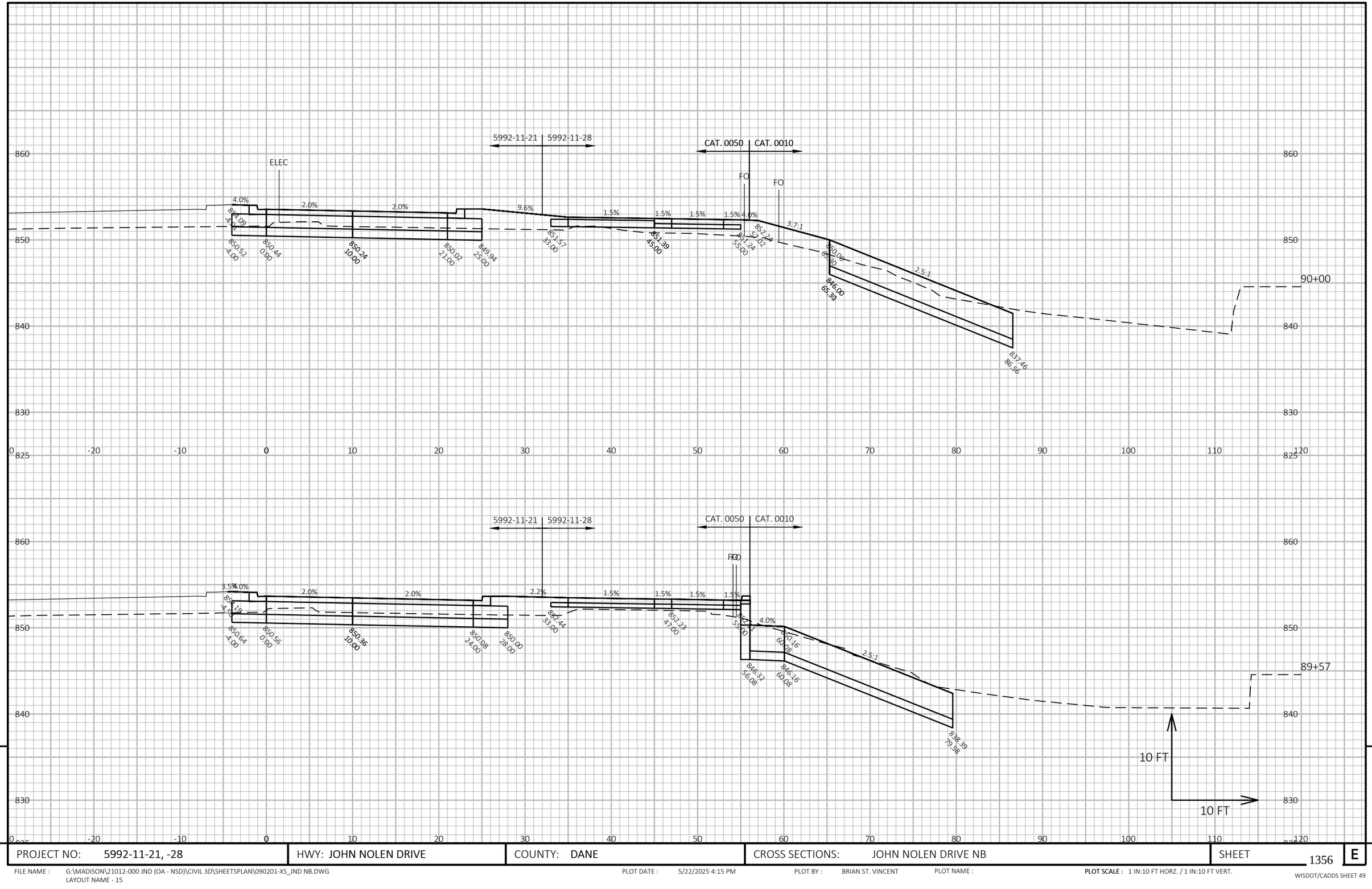


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1355	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 14

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

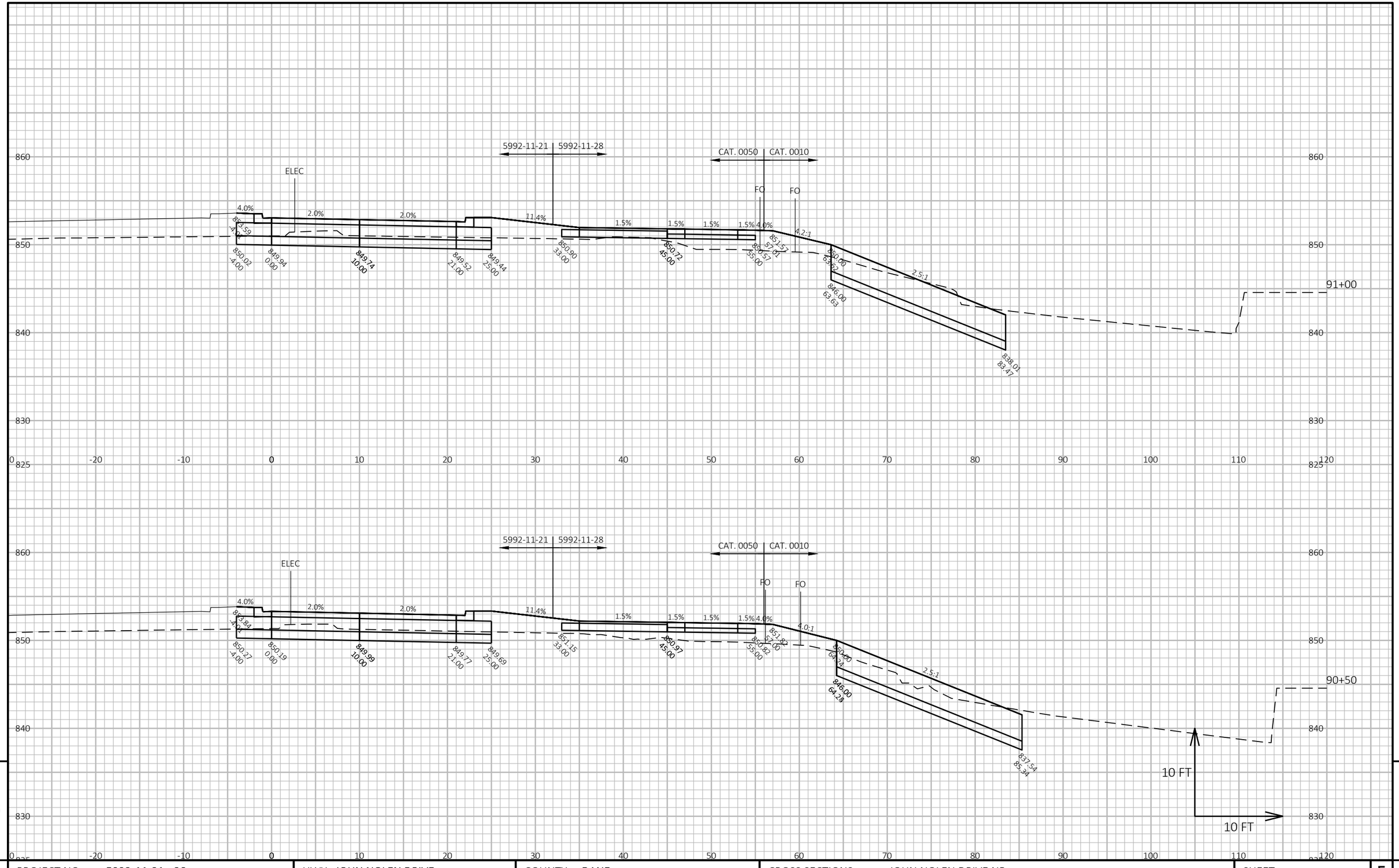
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1356	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 15

PLOT DATE : 5/22/2025 4:15 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1357	E

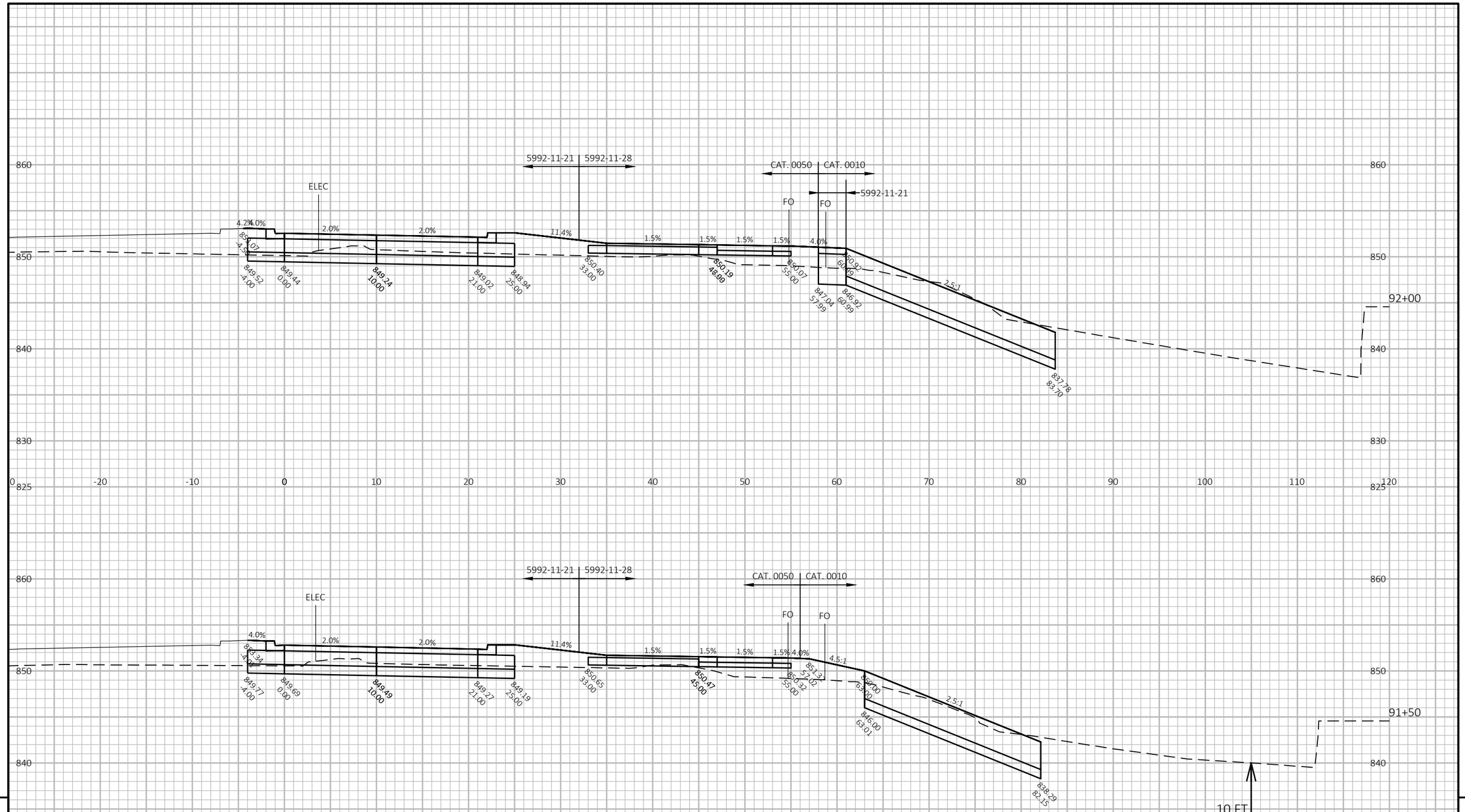
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 16

PLOT DATE : 5/22/2025 4:15 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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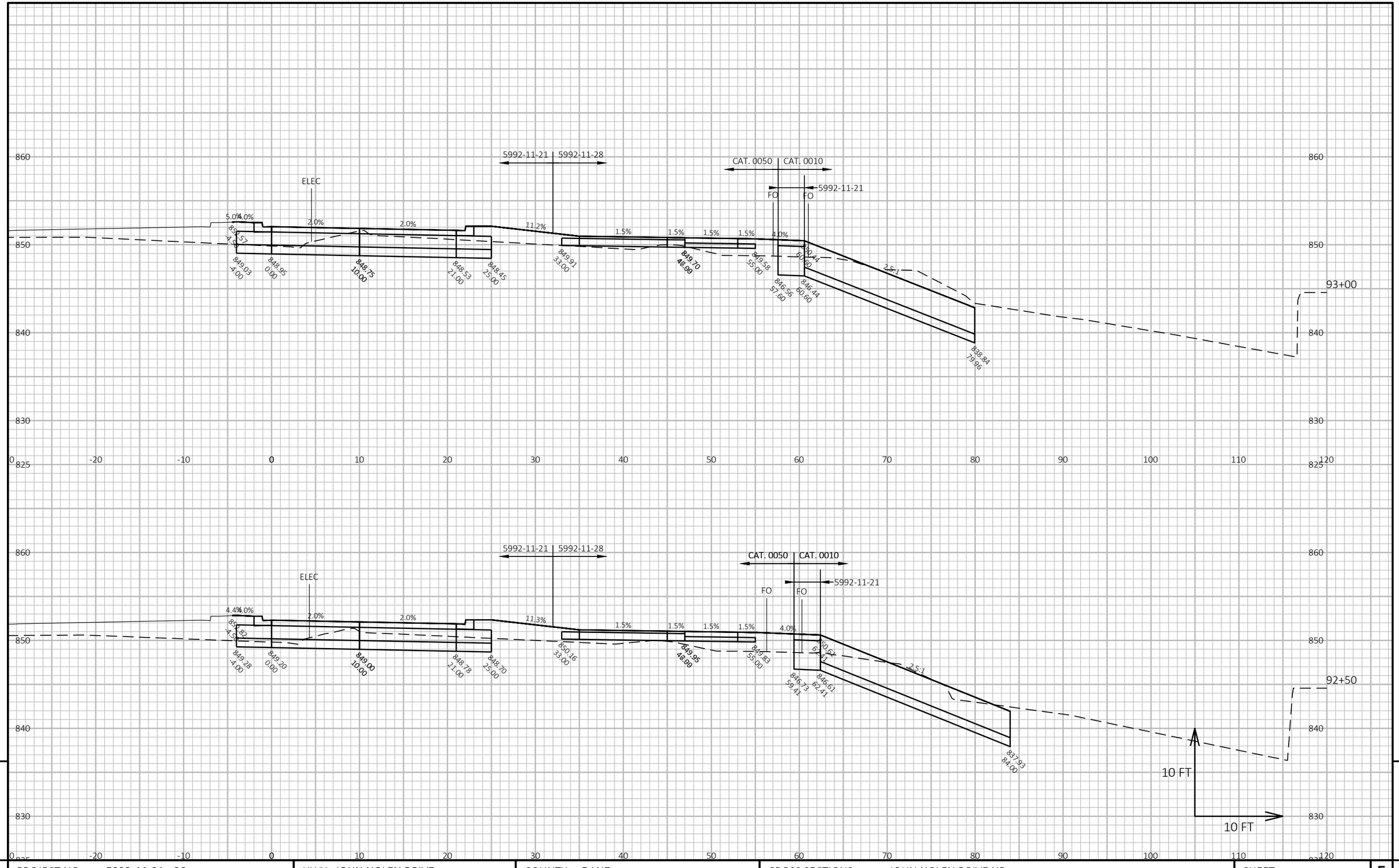
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1358	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 17

PLOT DATE : 5/22/2025 4:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1359	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 18

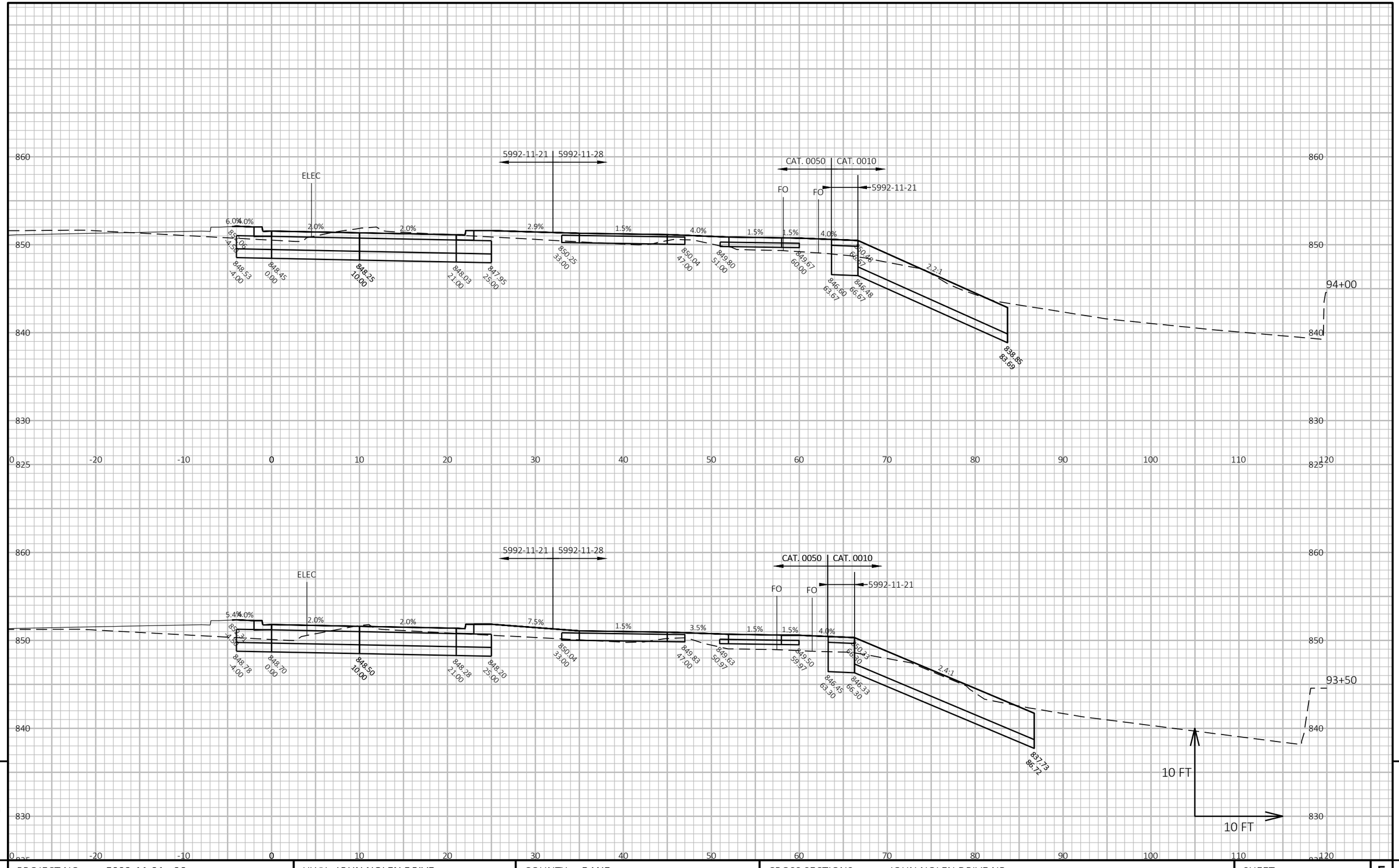
PLOT DATE : 5/22/2025 4:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

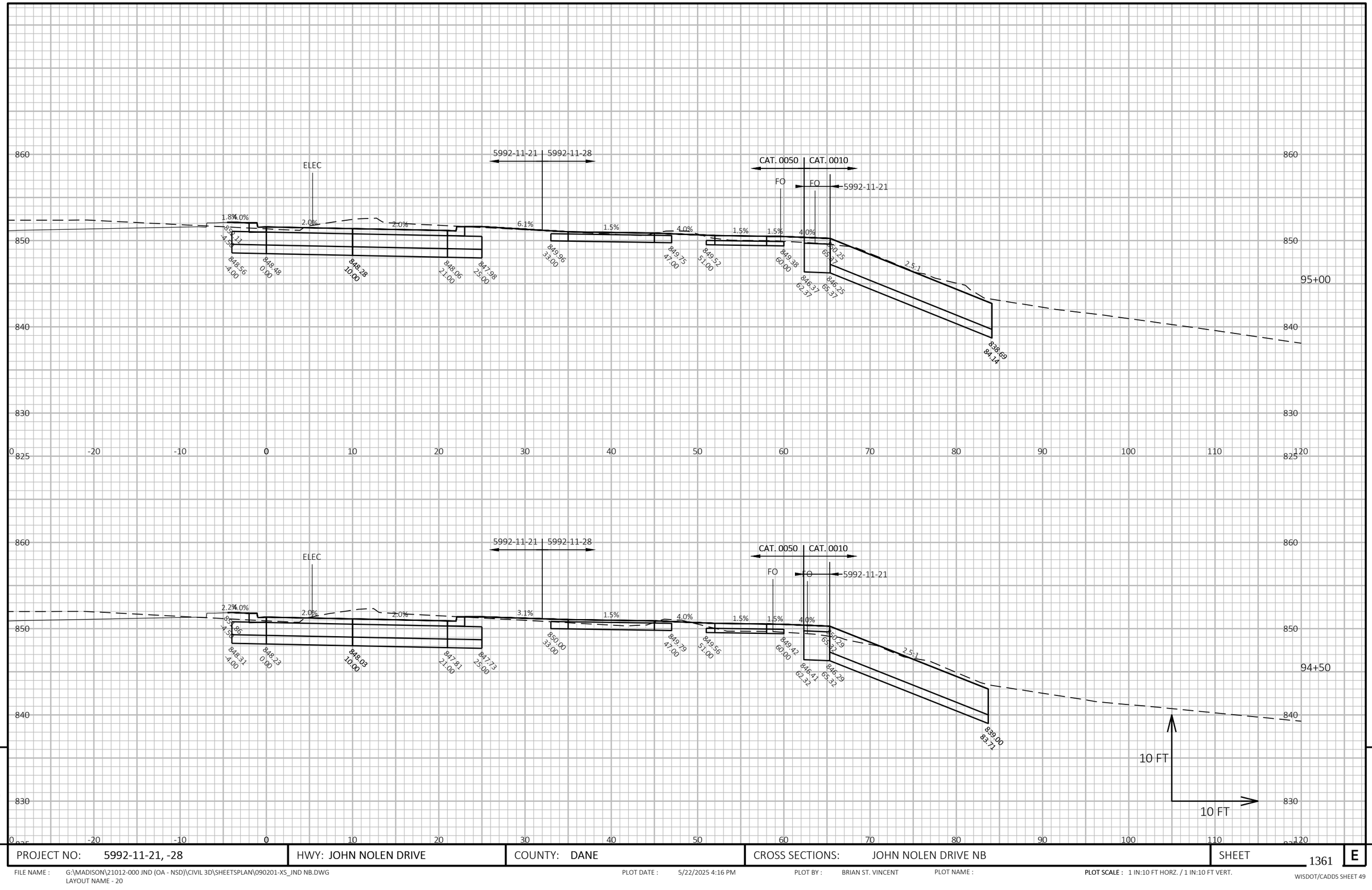


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1360 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 19

PLOT DATE : 5/22/2025 4:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1361	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 20

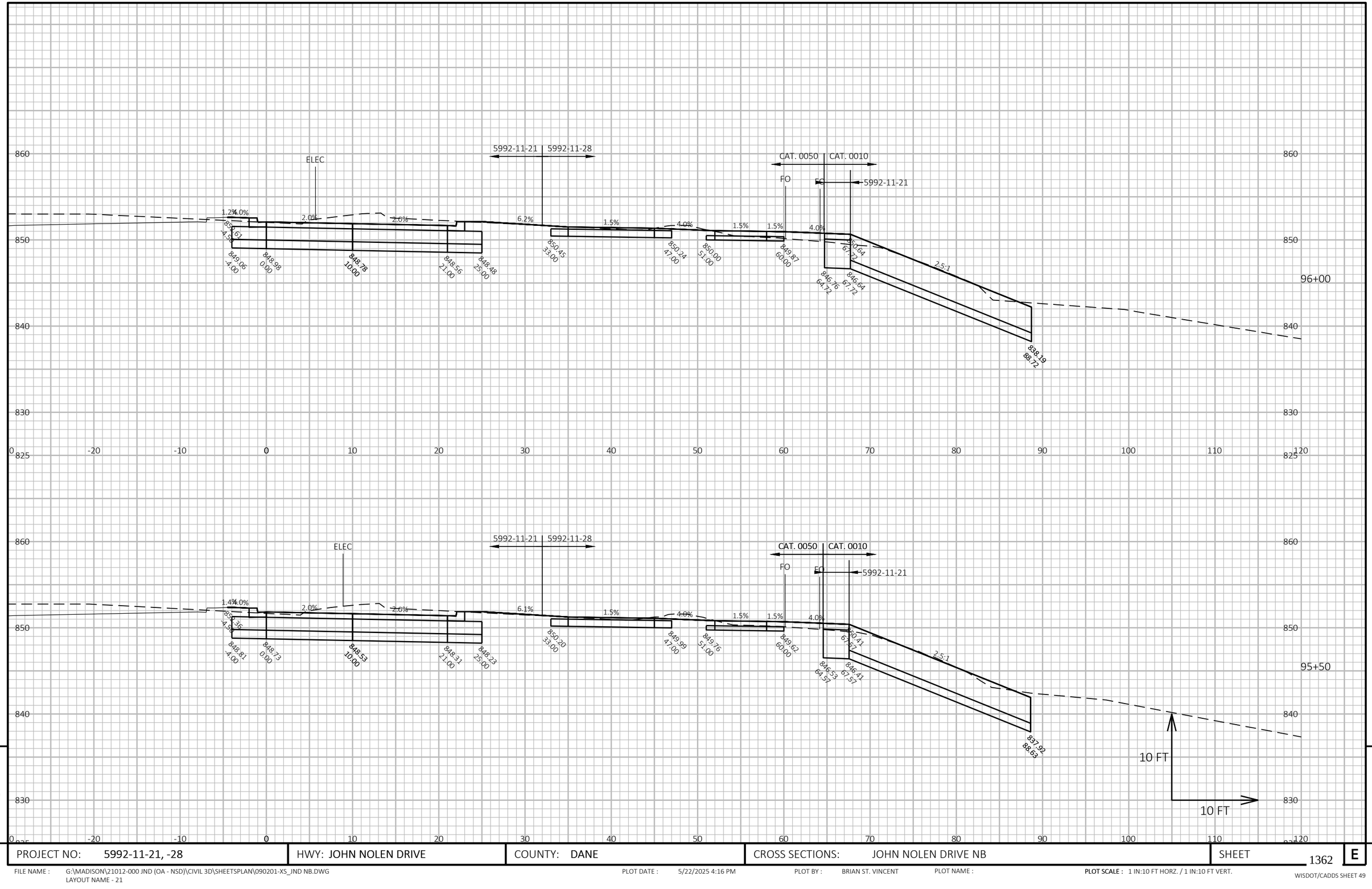
PLOT DATE : 5/22/2025 4:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1362	E

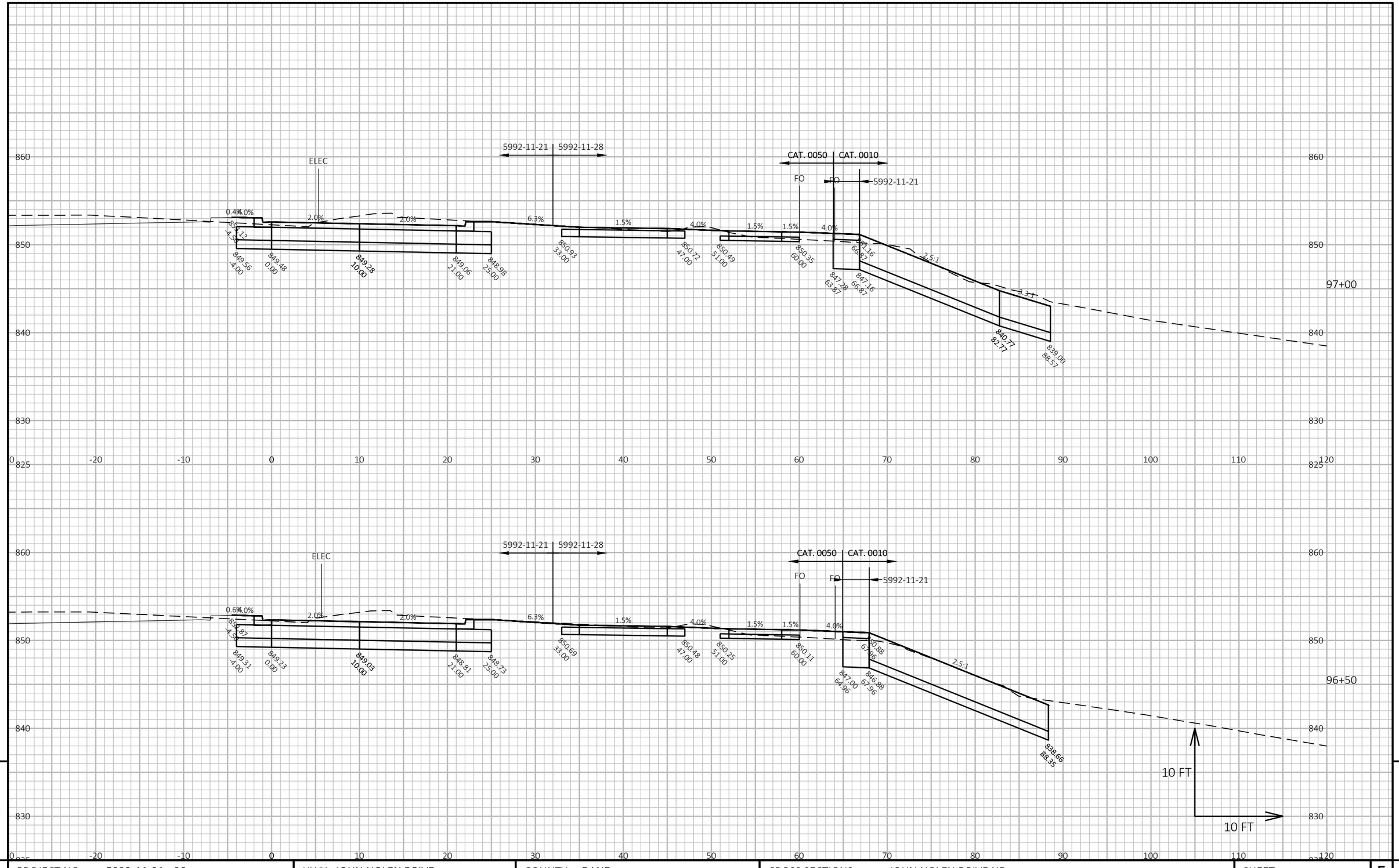
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 21

PLOT DATE : 5/22/2025 4:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

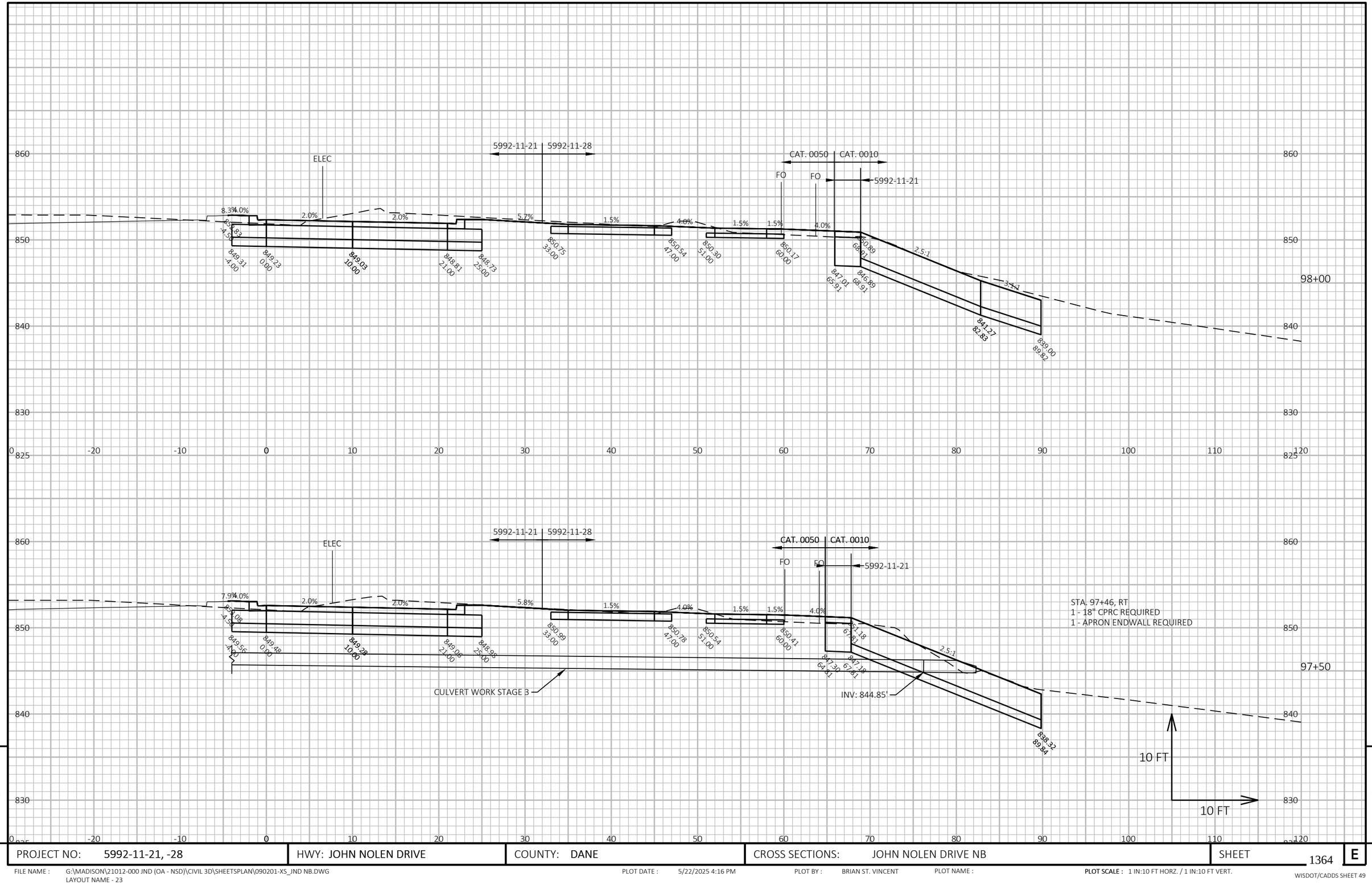


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1363 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 22

PLOT DATE : 5/22/2025 4:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1364	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 23

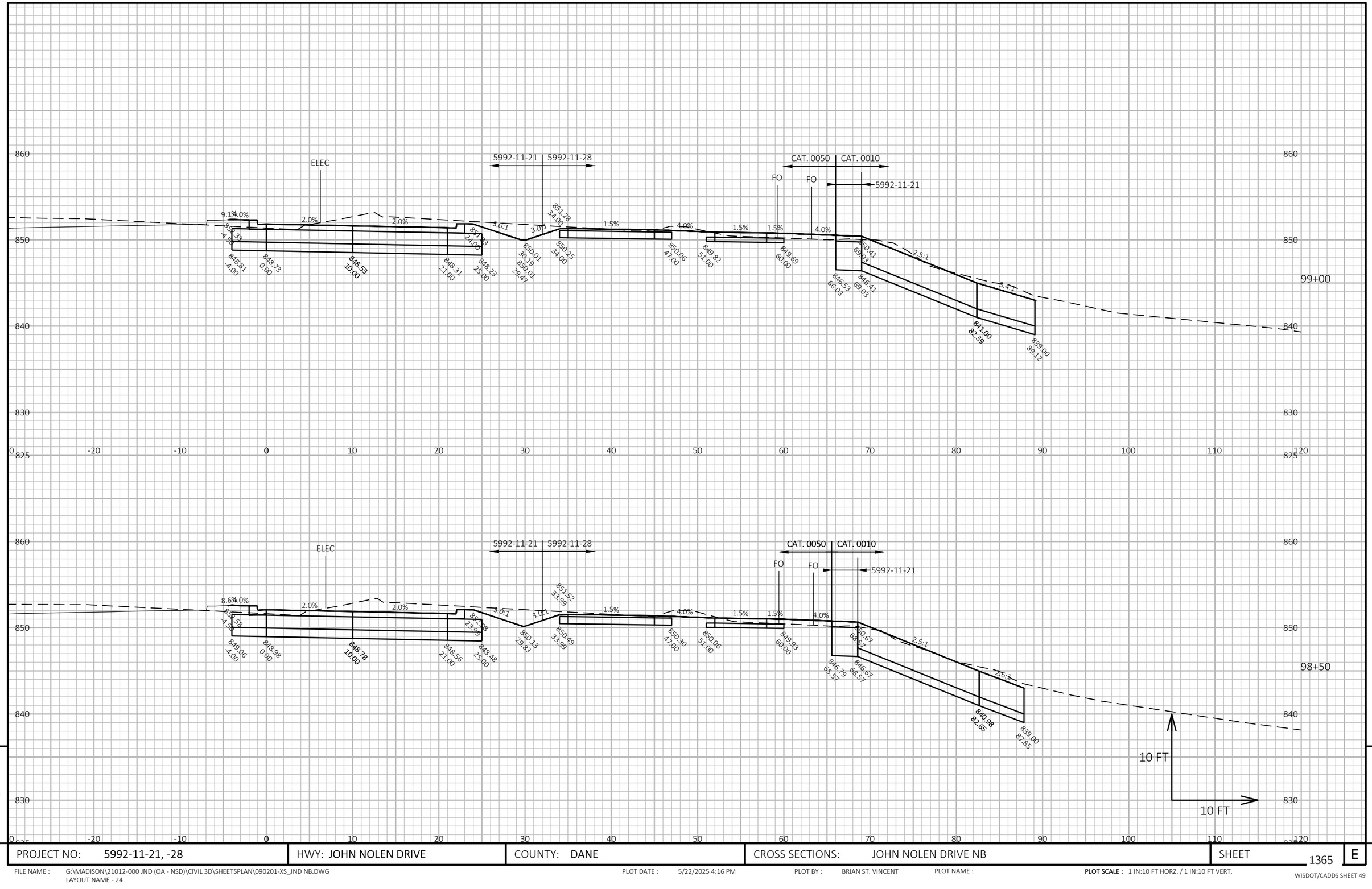
PLOT DATE : 5/22/2025 4:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1365	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 24

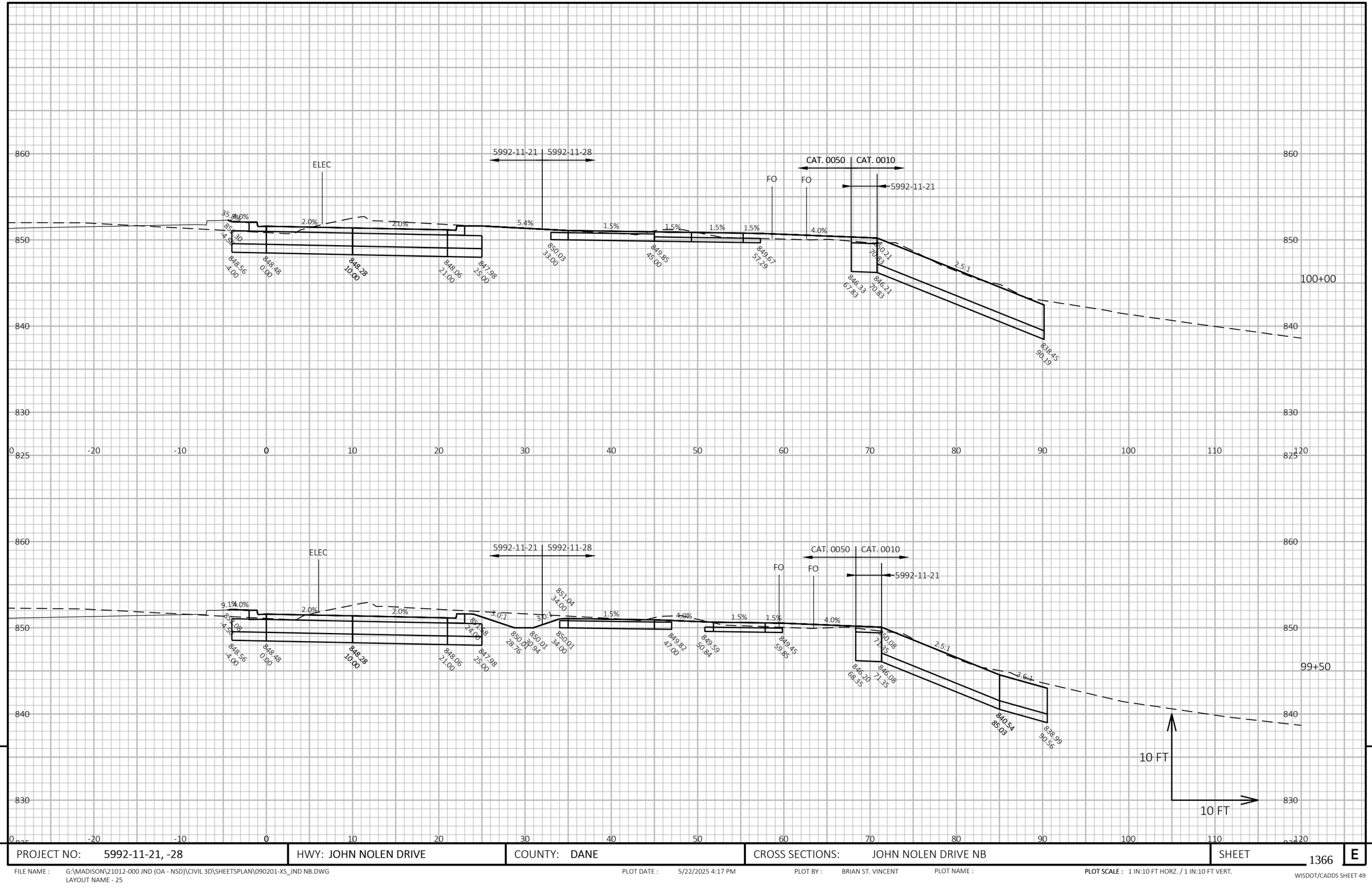
PLOT DATE : 5/22/2025 4:16 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1366	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 25

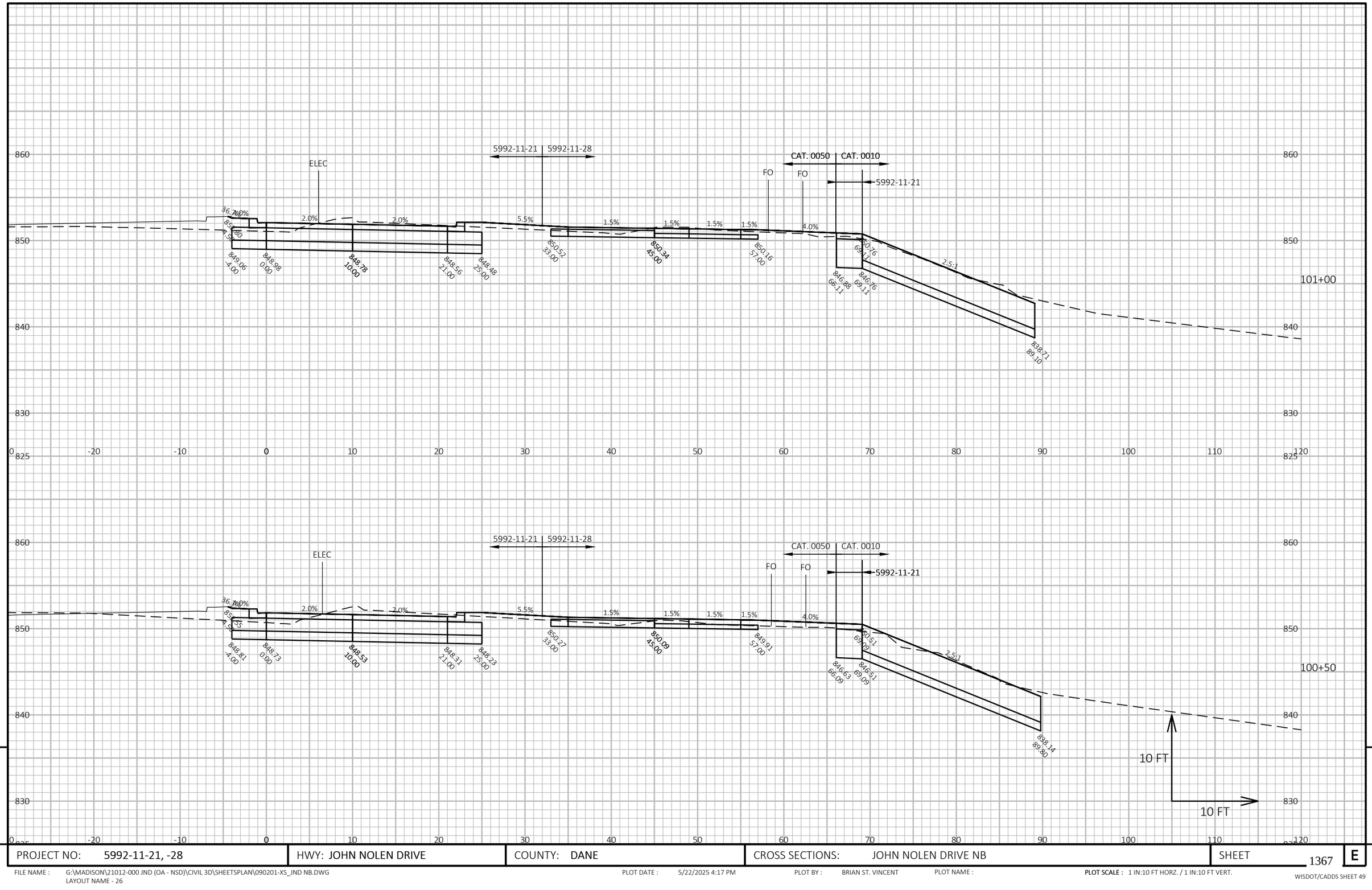
PLOT DATE : 5/22/2025 4:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1367	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 26

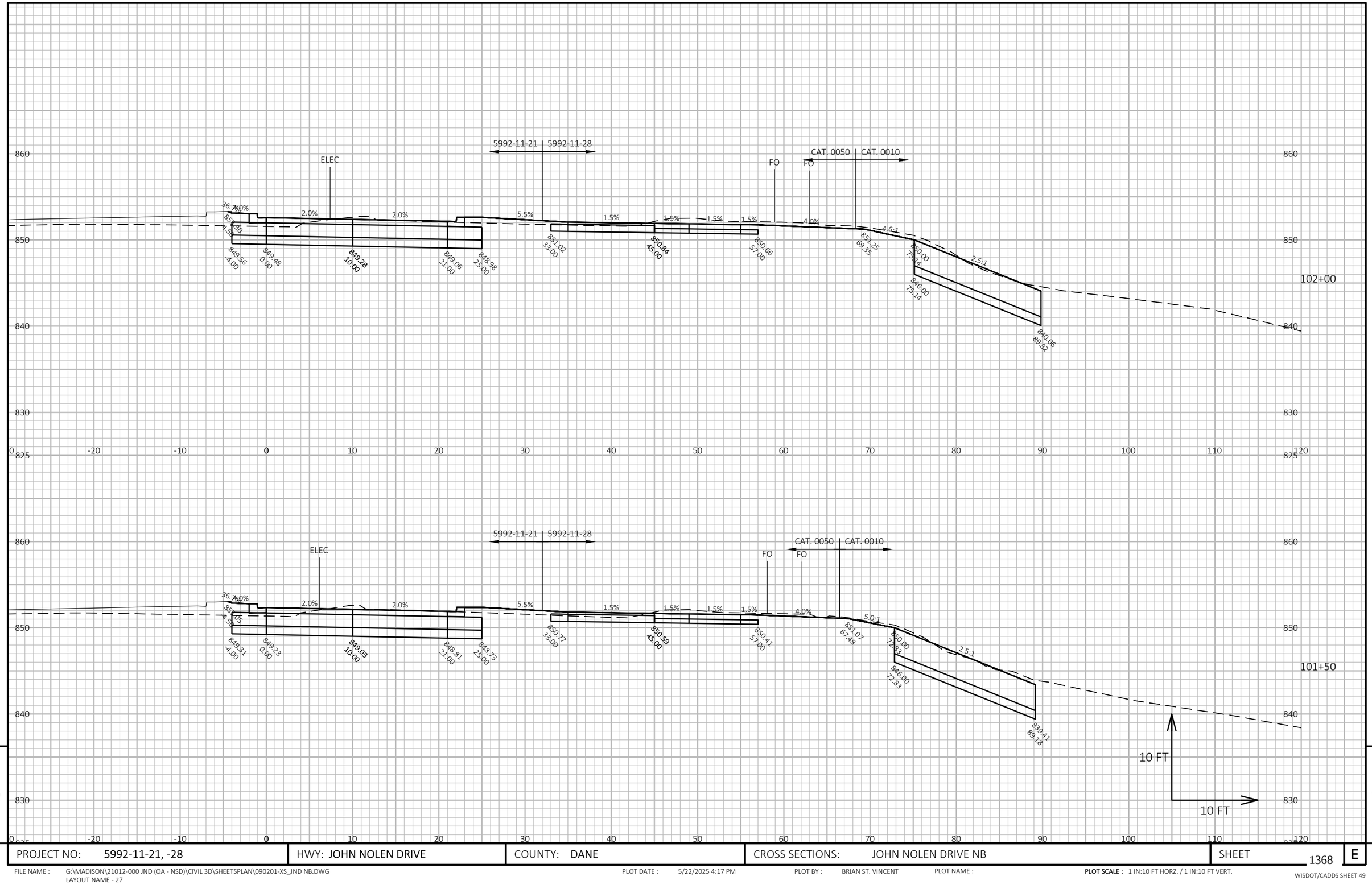
PLOT DATE : 5/22/2025 4:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

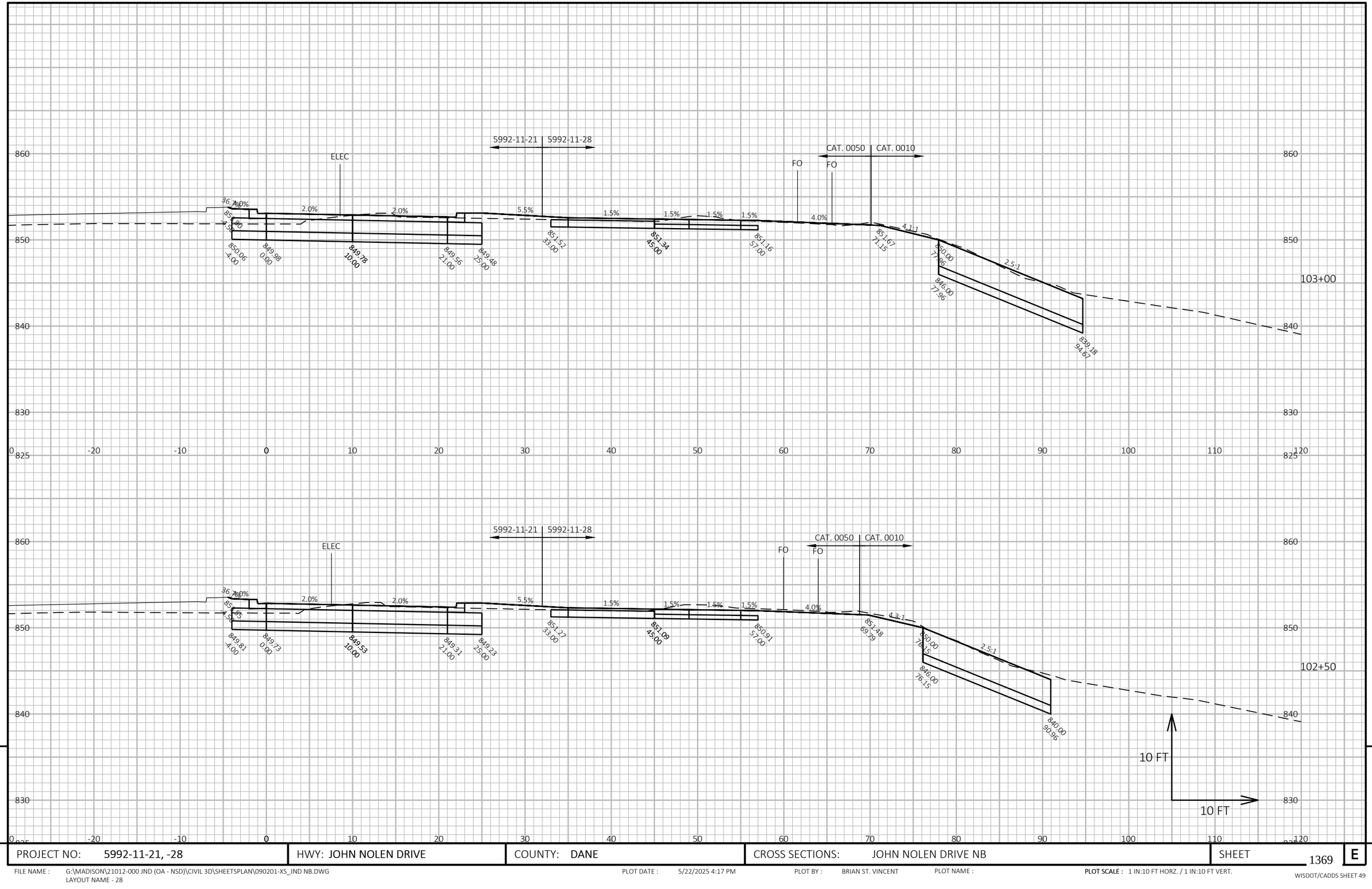
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1368	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 27

PLOT DATE : 5/22/2025 4:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

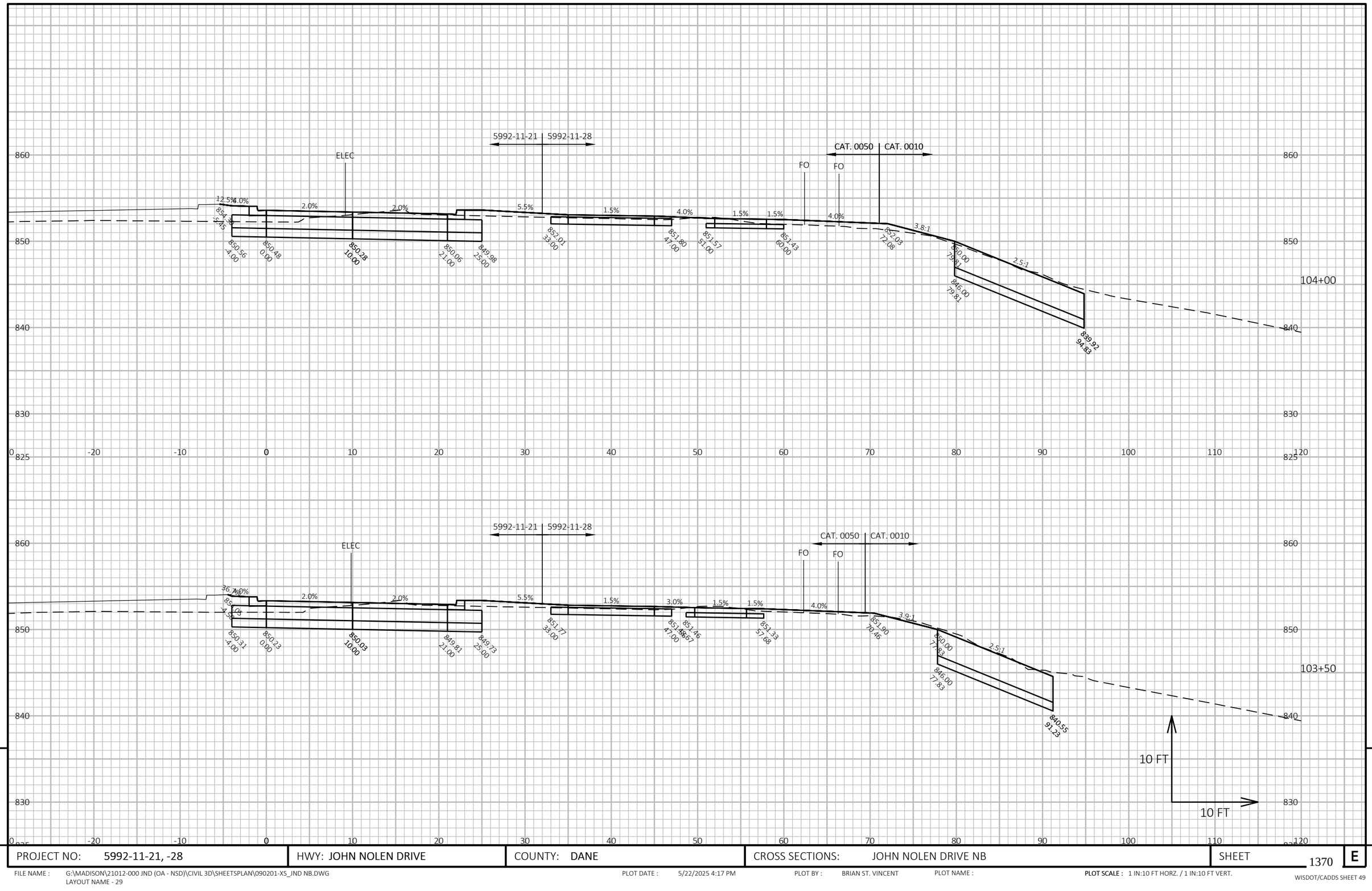


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1369 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 28

PLOT DATE : 5/22/2025 4:17 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1370	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 29

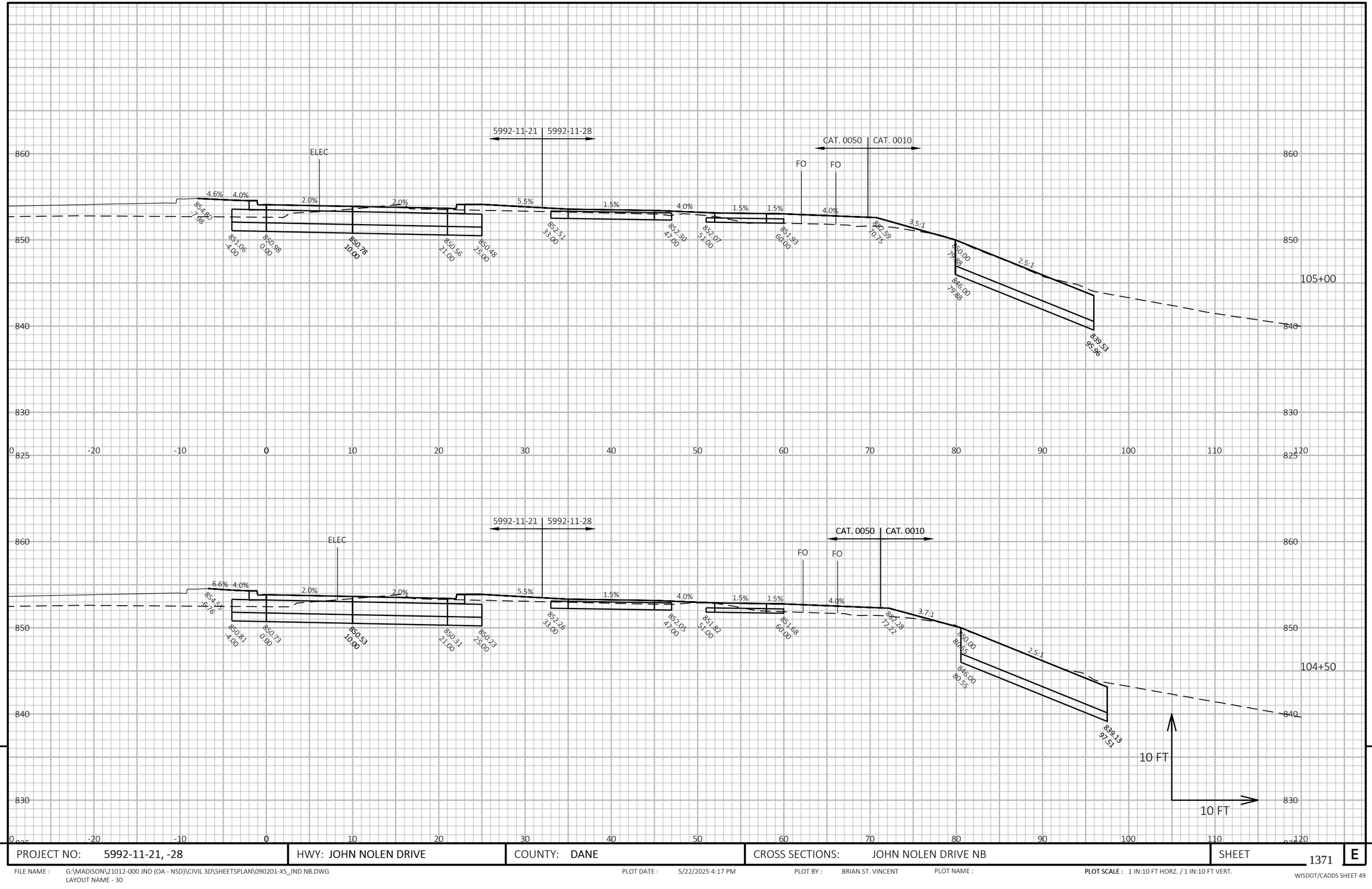
PLOT DATE : 5/22/2025 4:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1371 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 30

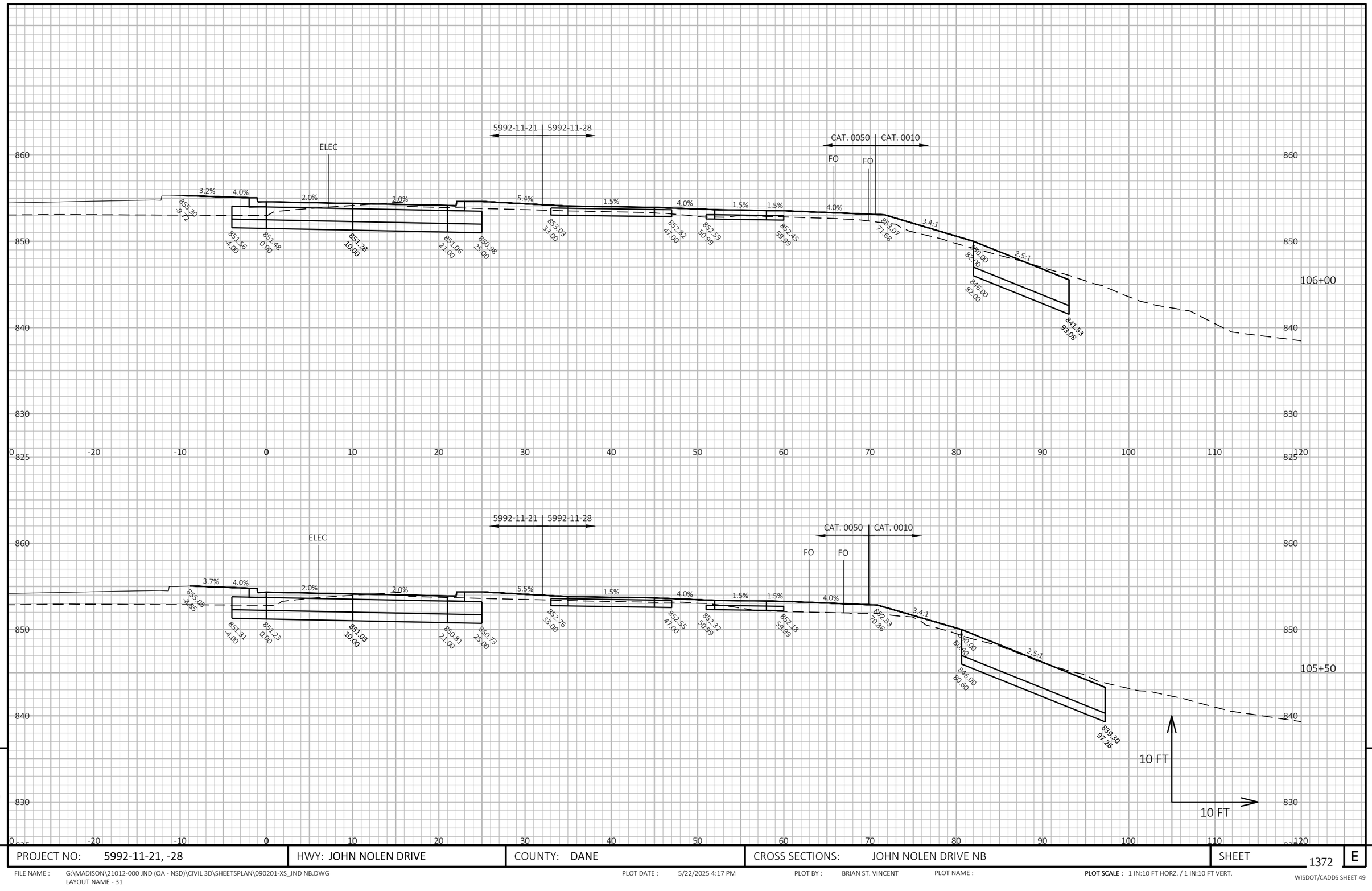
PLOT DATE : 5/22/2025 4:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1372	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 31

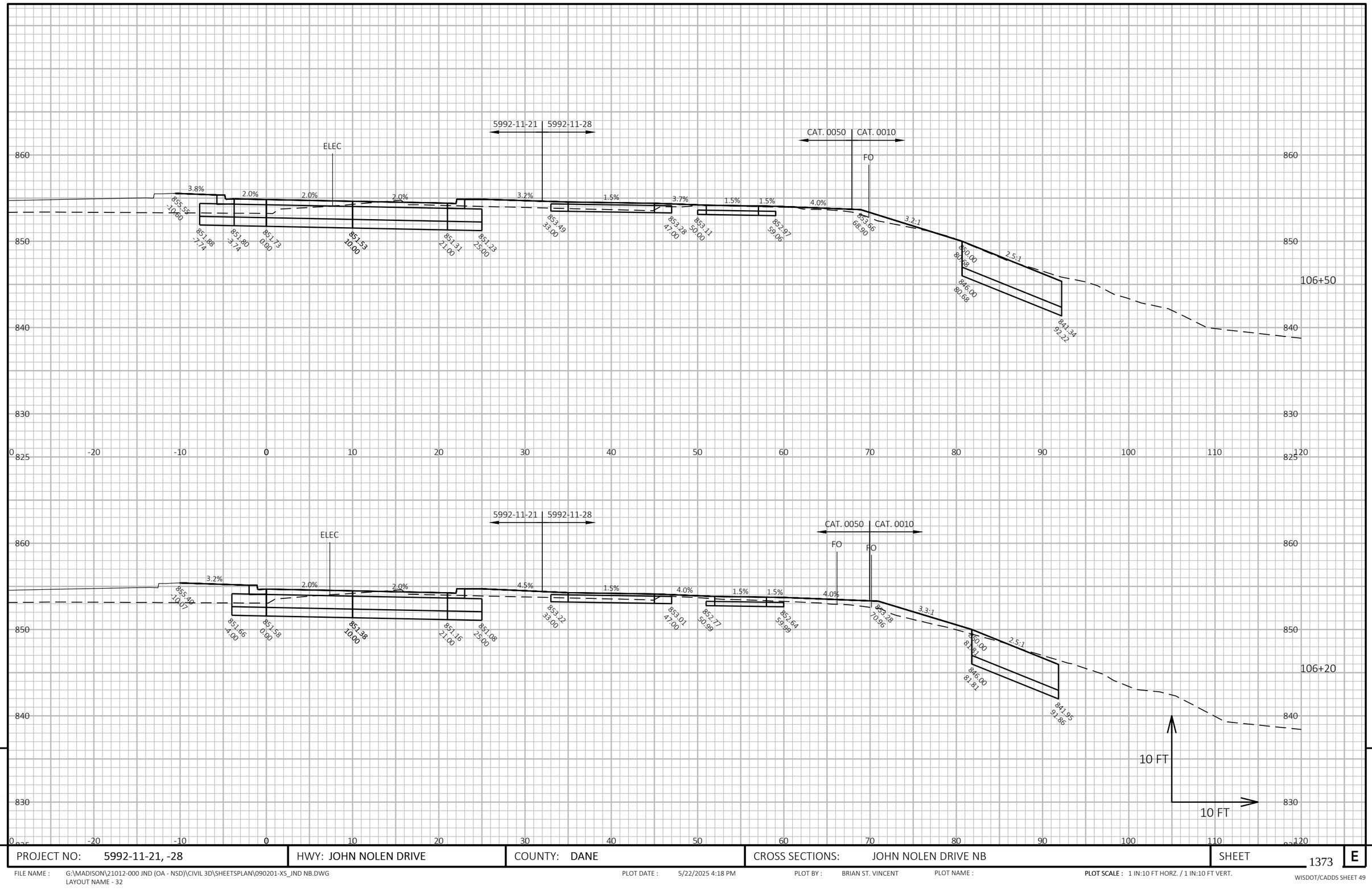
PLOT DATE : 5/22/2025 4:17 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1373 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 32

PLOT DATE : 5/22/2025 4:18 PM

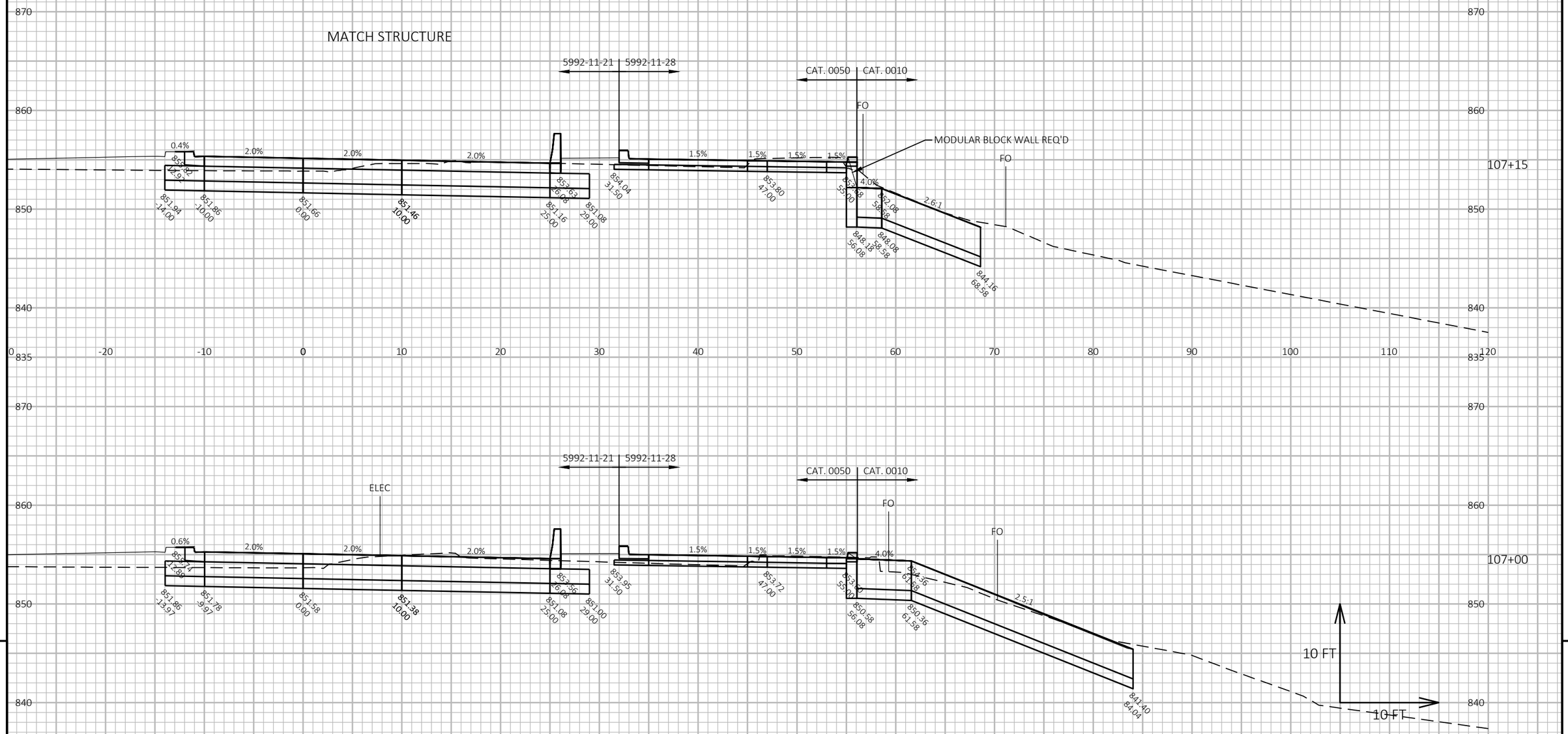
PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH STRUCTURE



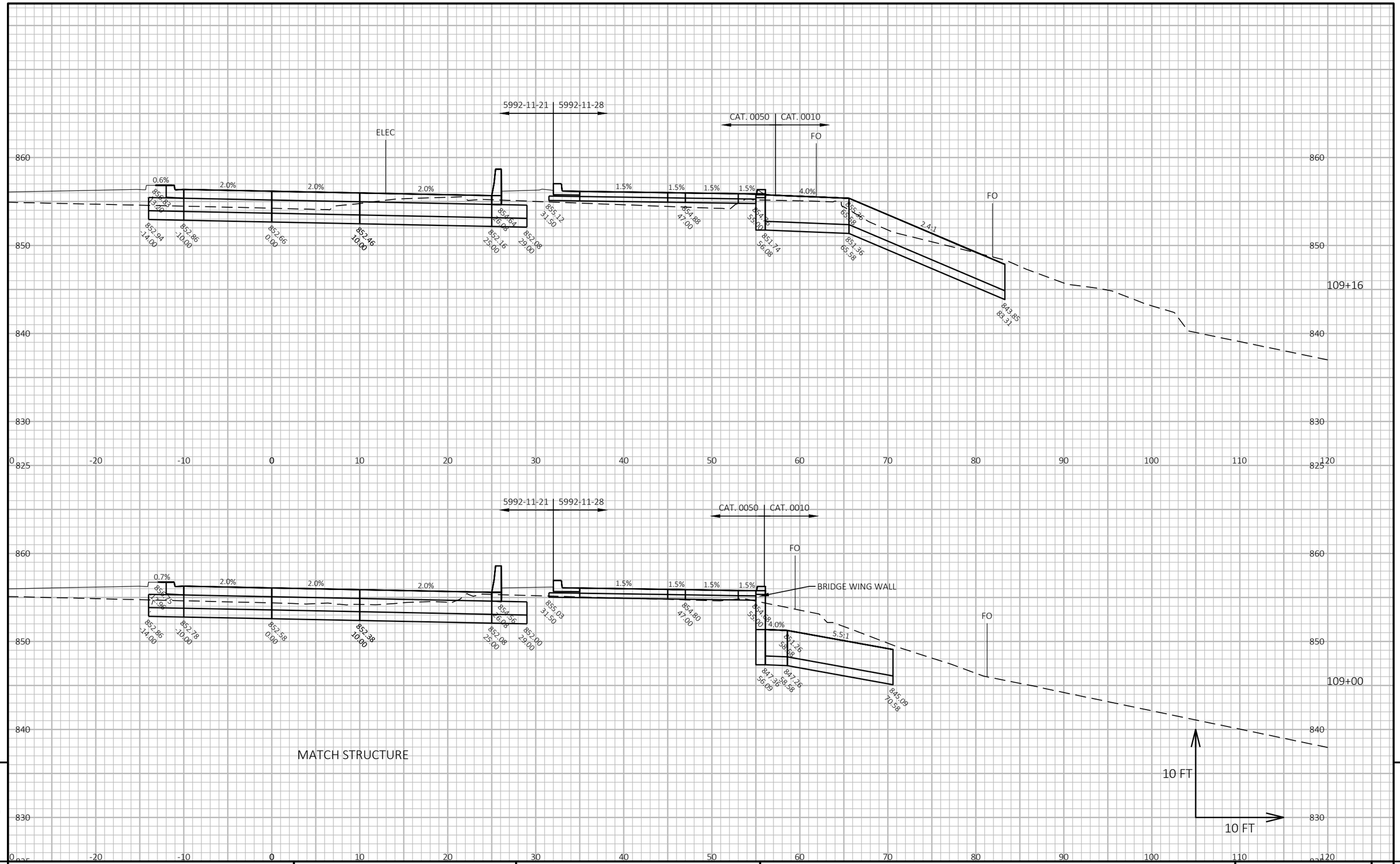
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1374	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 33

PLOT DATE : 5/22/2025 4:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

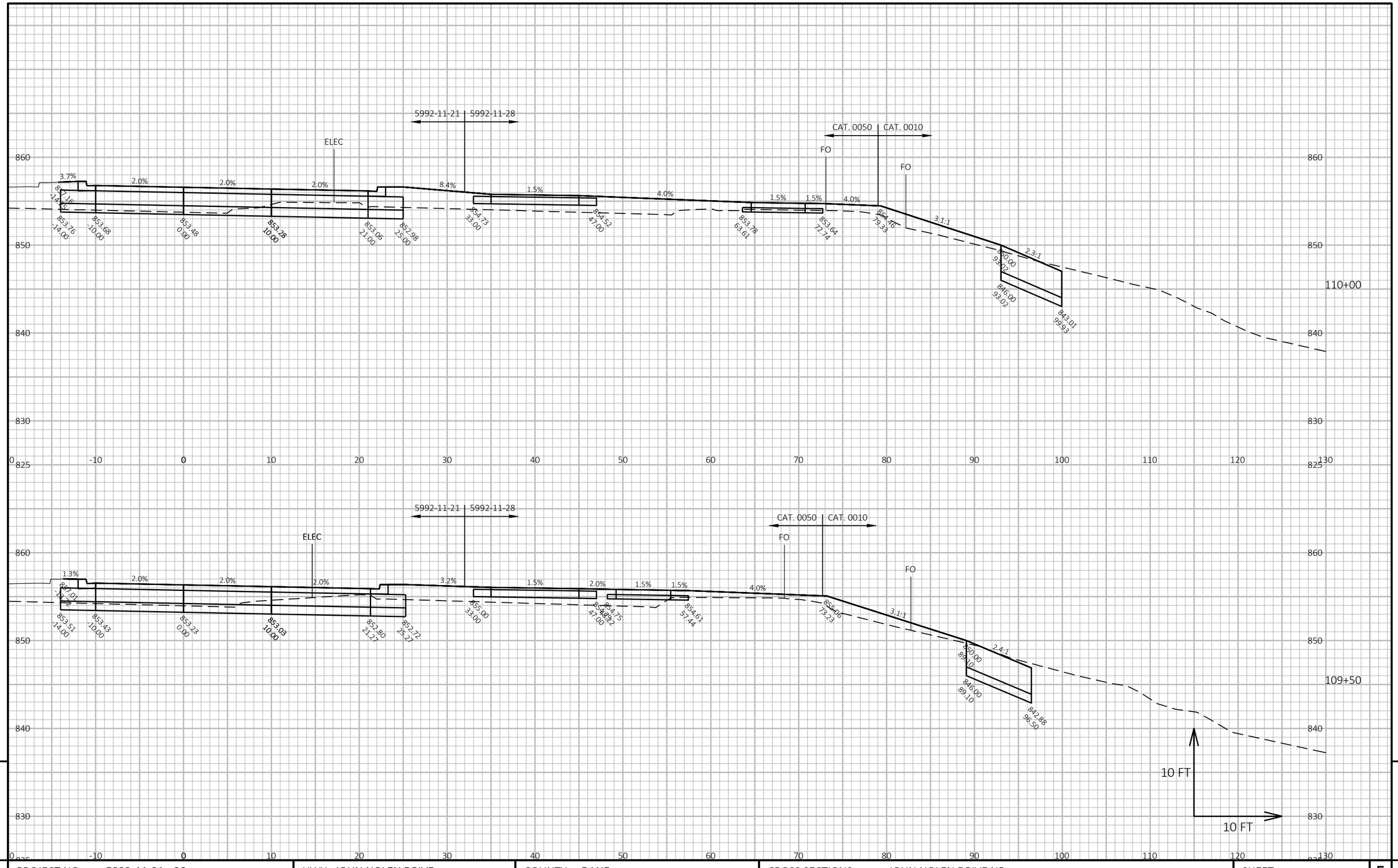


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1375	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 34

PLOT DATE : 5/22/2025 4:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

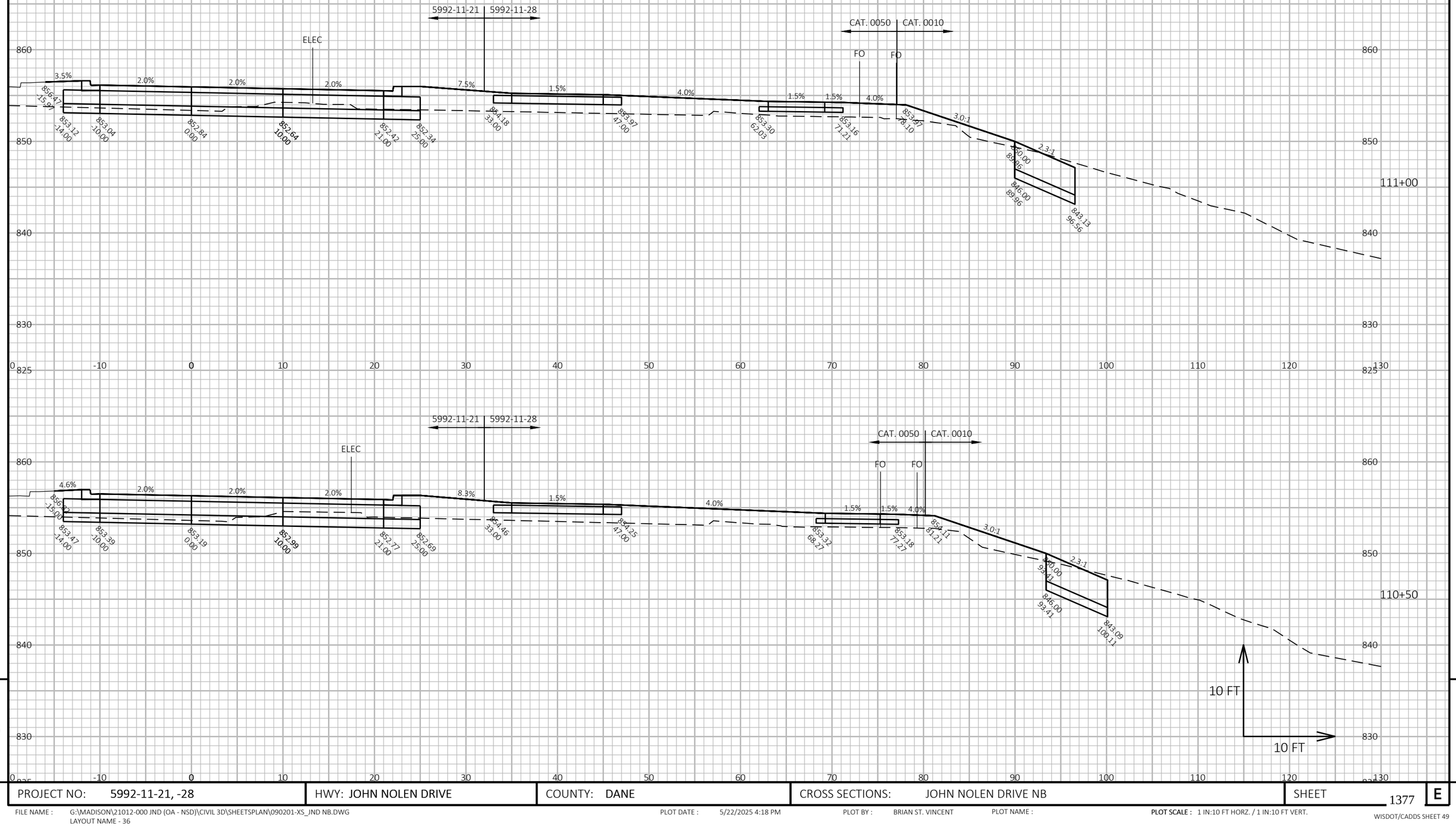


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1376 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 35

PLOT DATE : 5/22/2025 4:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1377	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 36

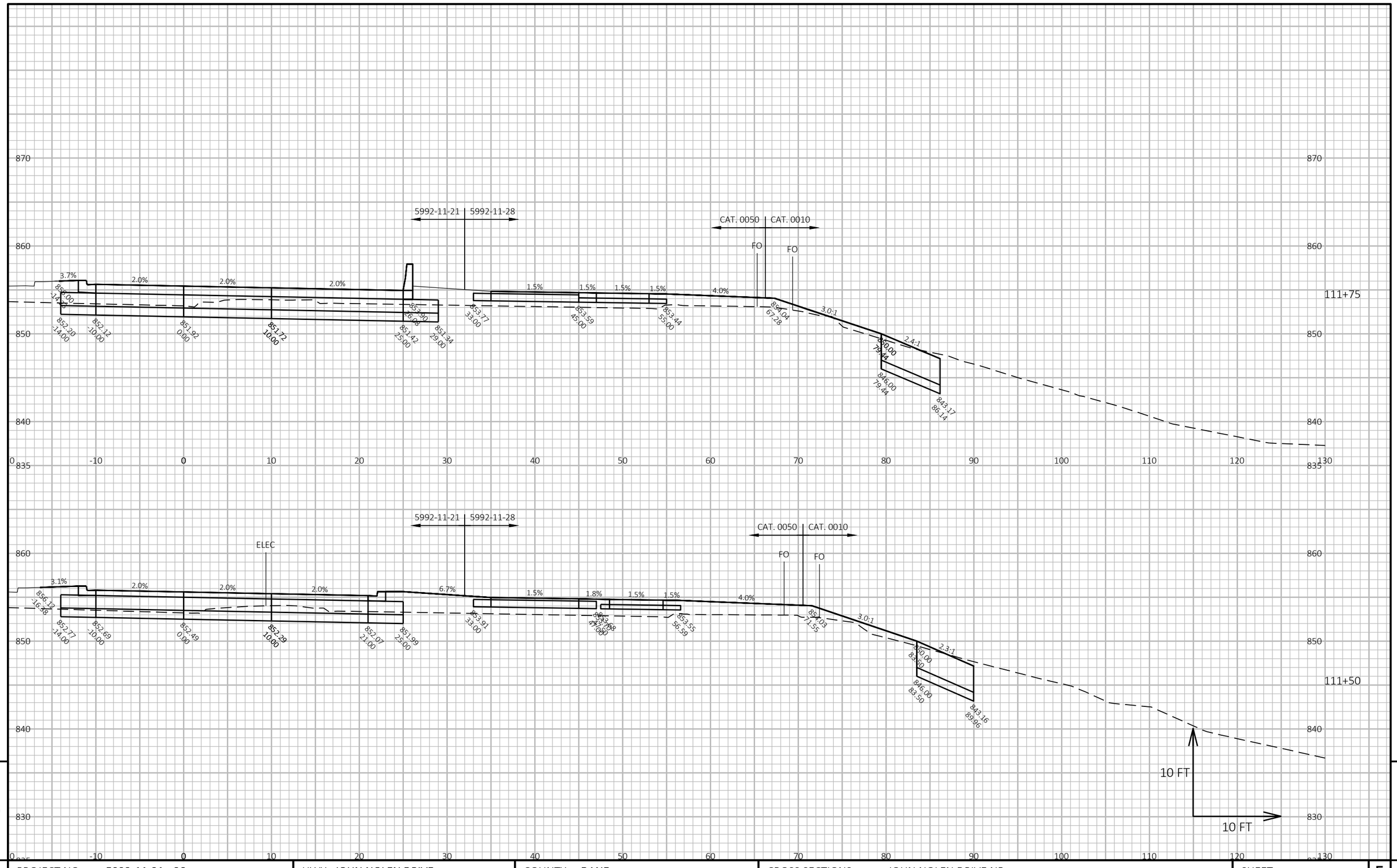
PLOT DATE : 5/22/2025 4:18 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

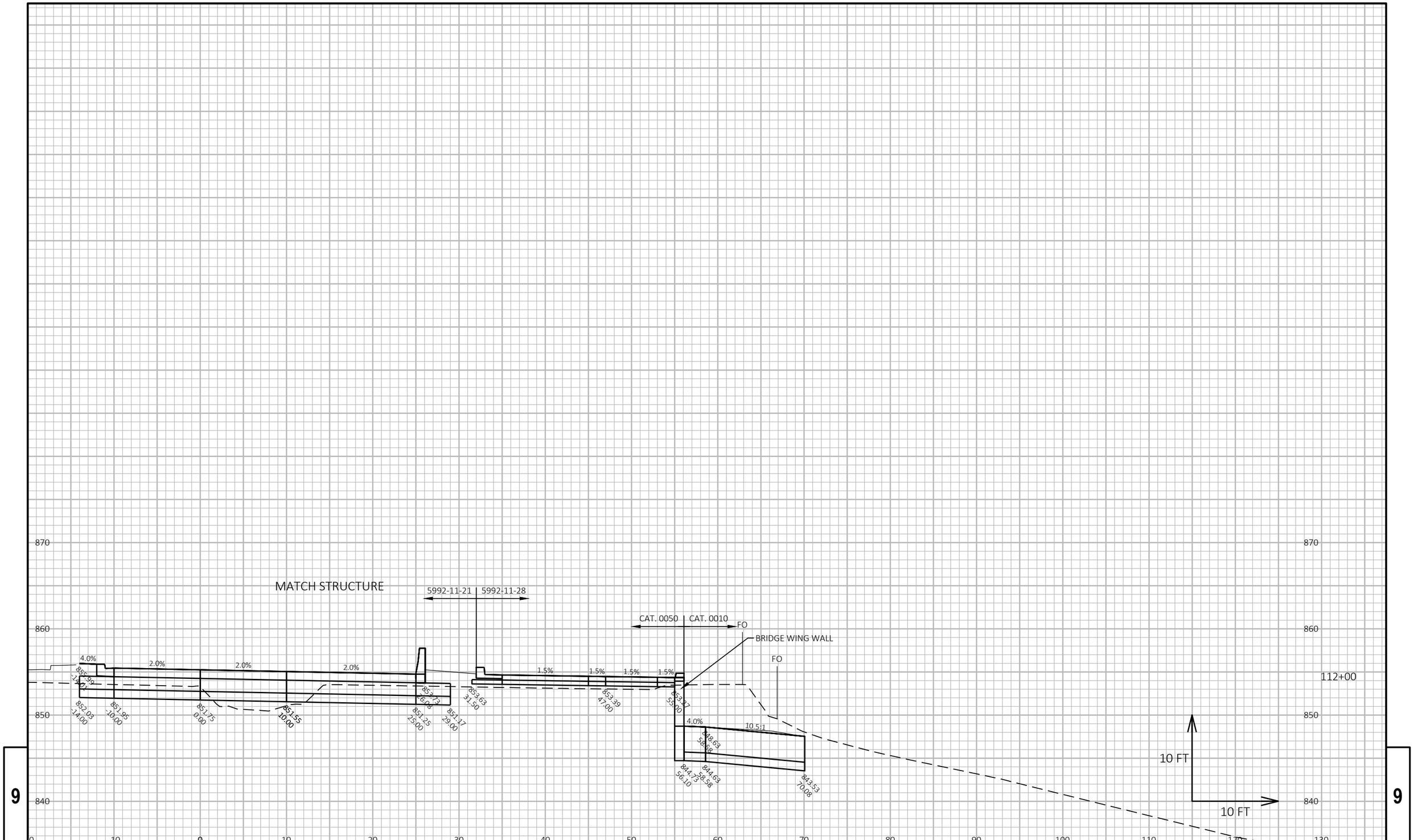


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1378 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 37

PLOT DATE : 5/22/2025 4:18 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1379	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 38

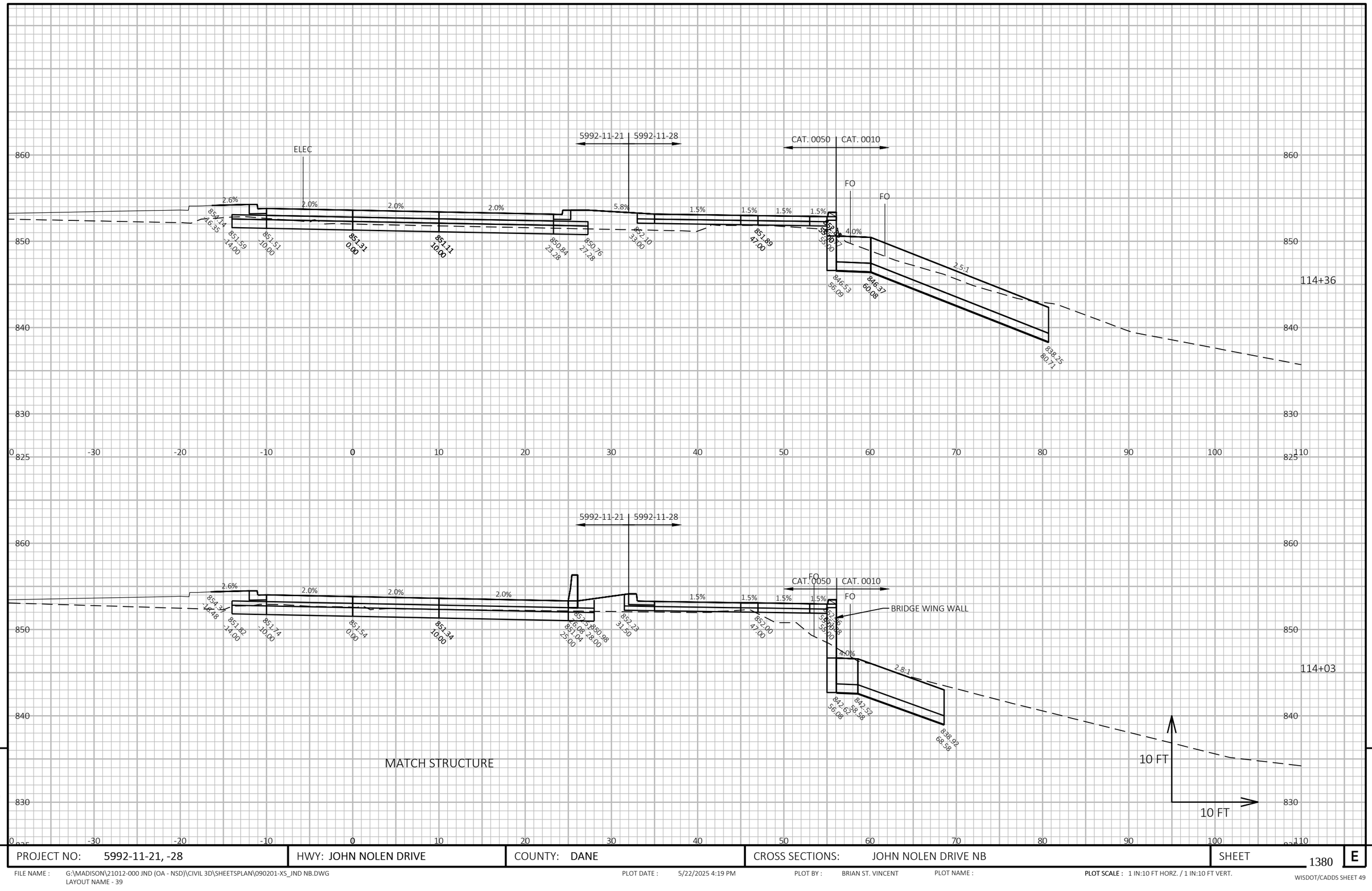
PLOT DATE : 5/22/2025 4:18 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1380	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 39

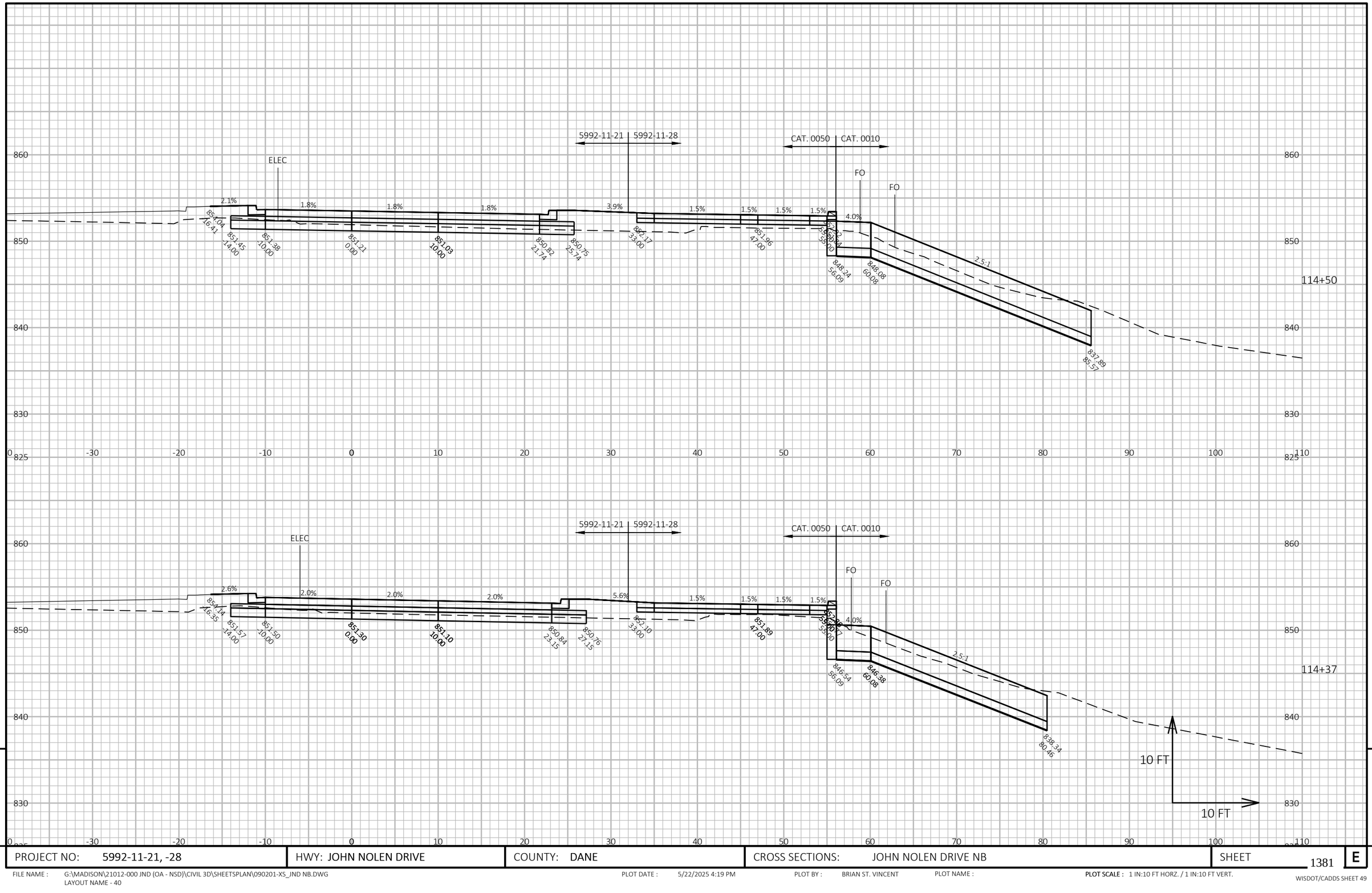
PLOT DATE : 5/22/2025 4:19 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

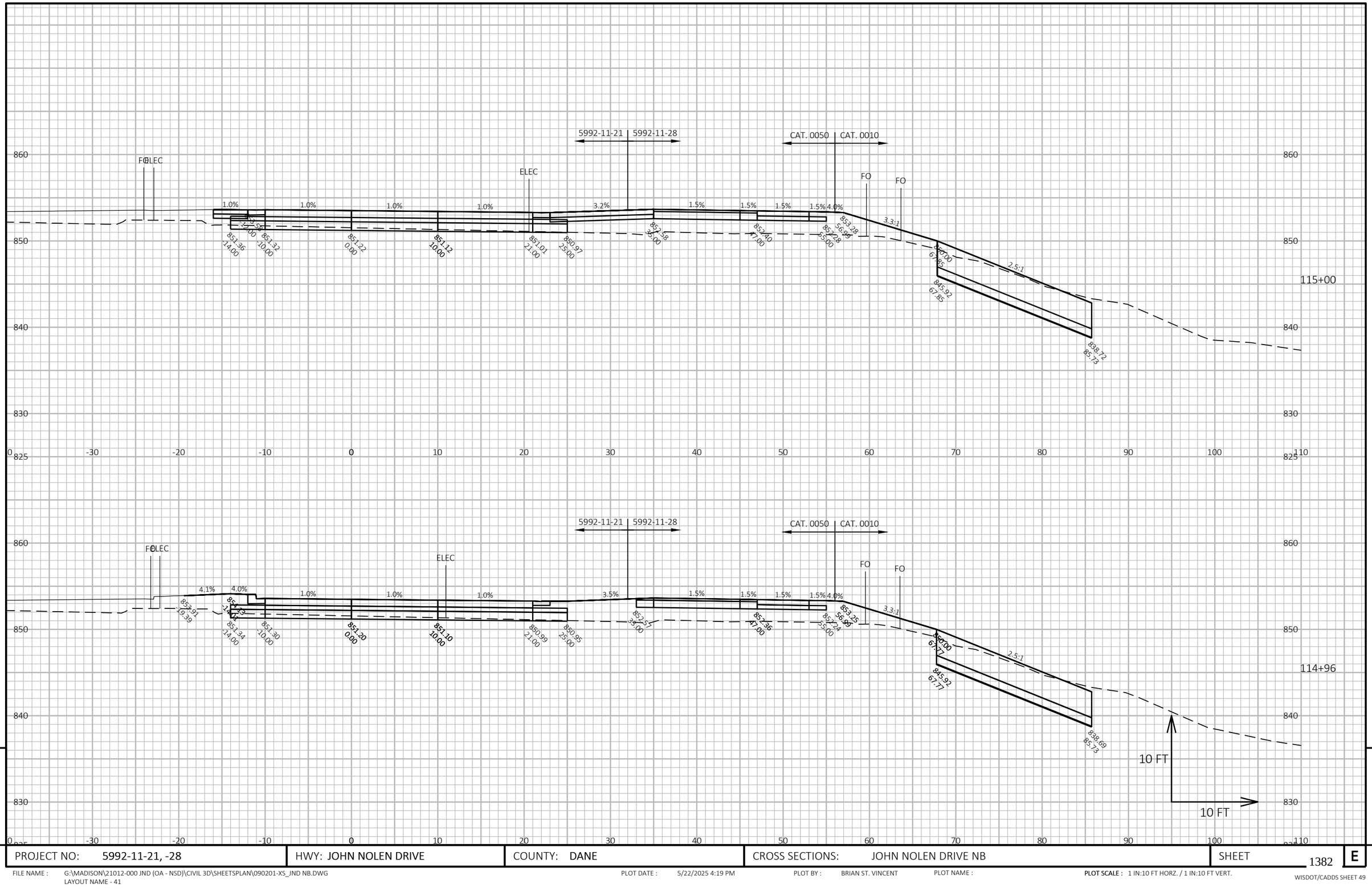


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1381 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 40

PLOT DATE : 5/22/2025 4:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

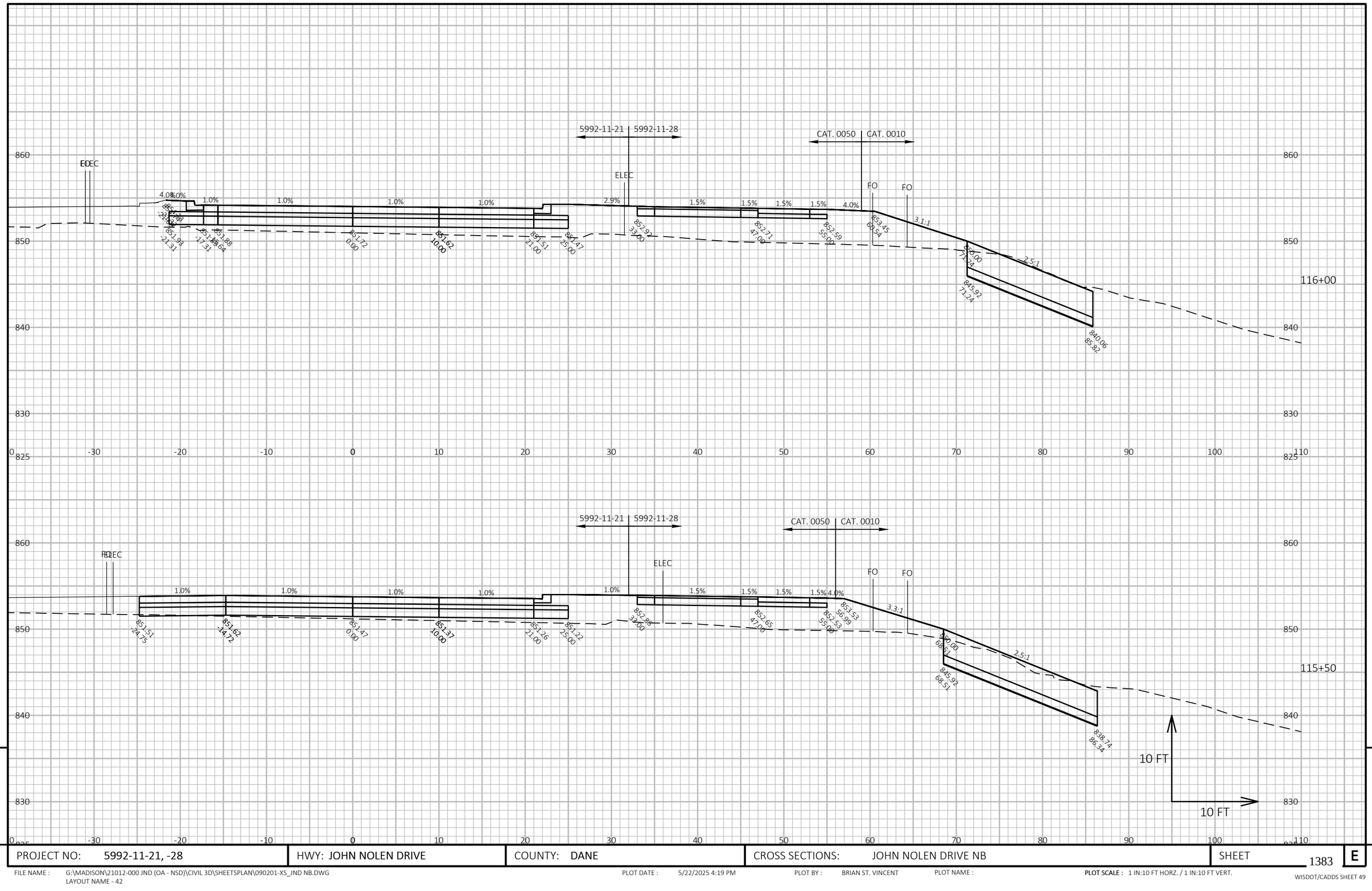


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1382 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 41

PLOT DATE : 5/22/2025 4:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

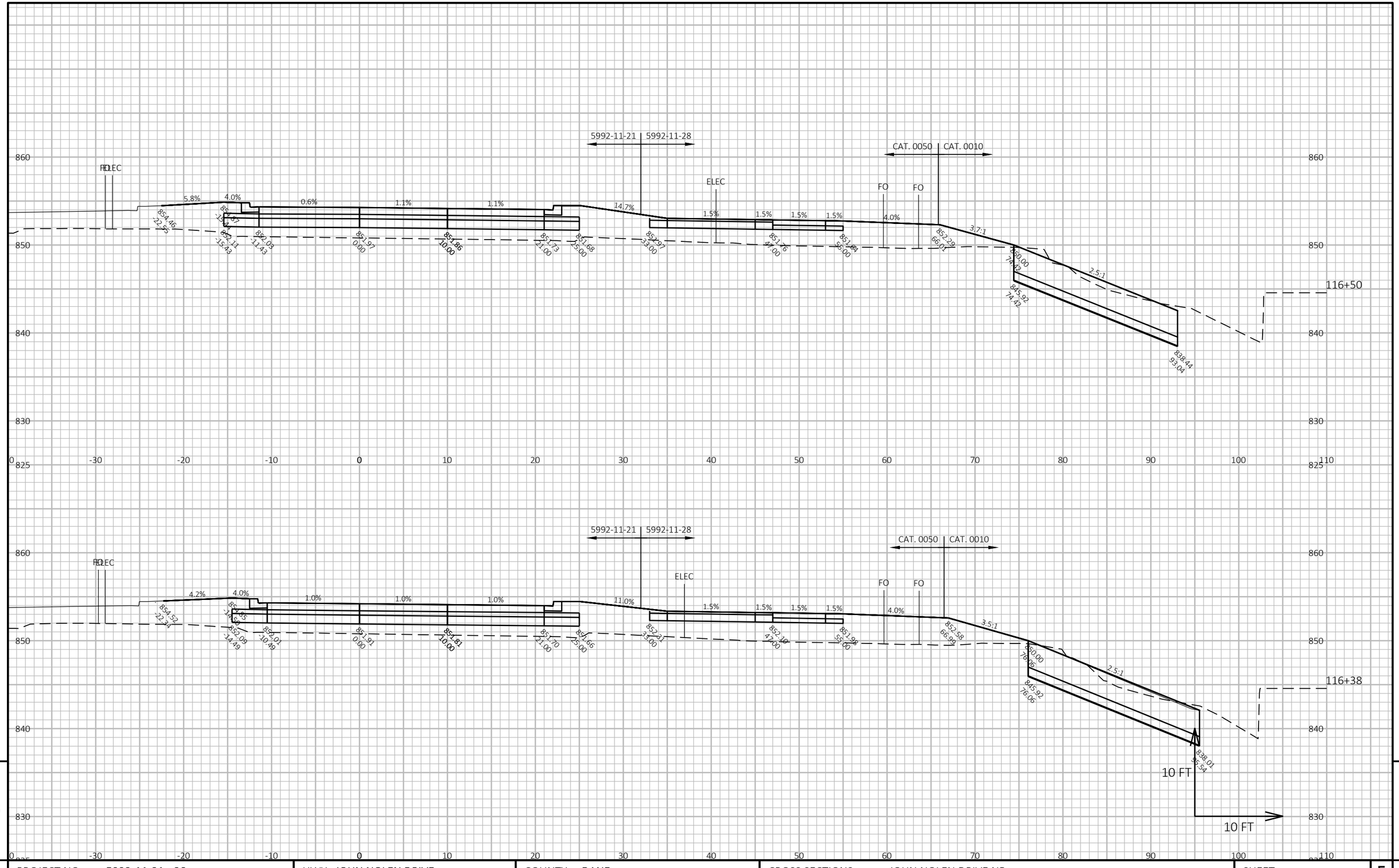


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1383	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 42

PLOT DATE : 5/22/2025 4:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1384	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 43

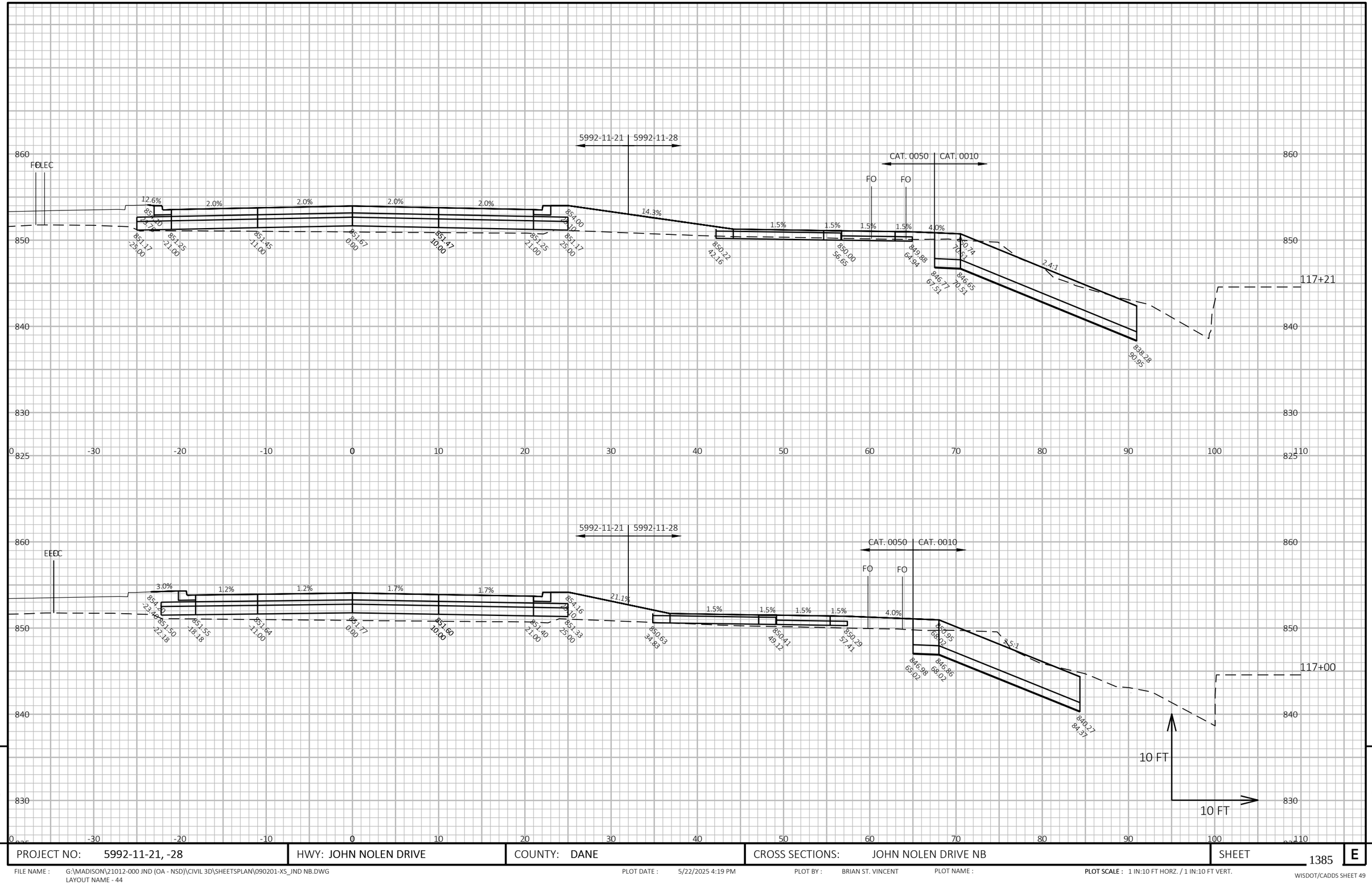
PLOT DATE : 5/22/2025 4:19 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

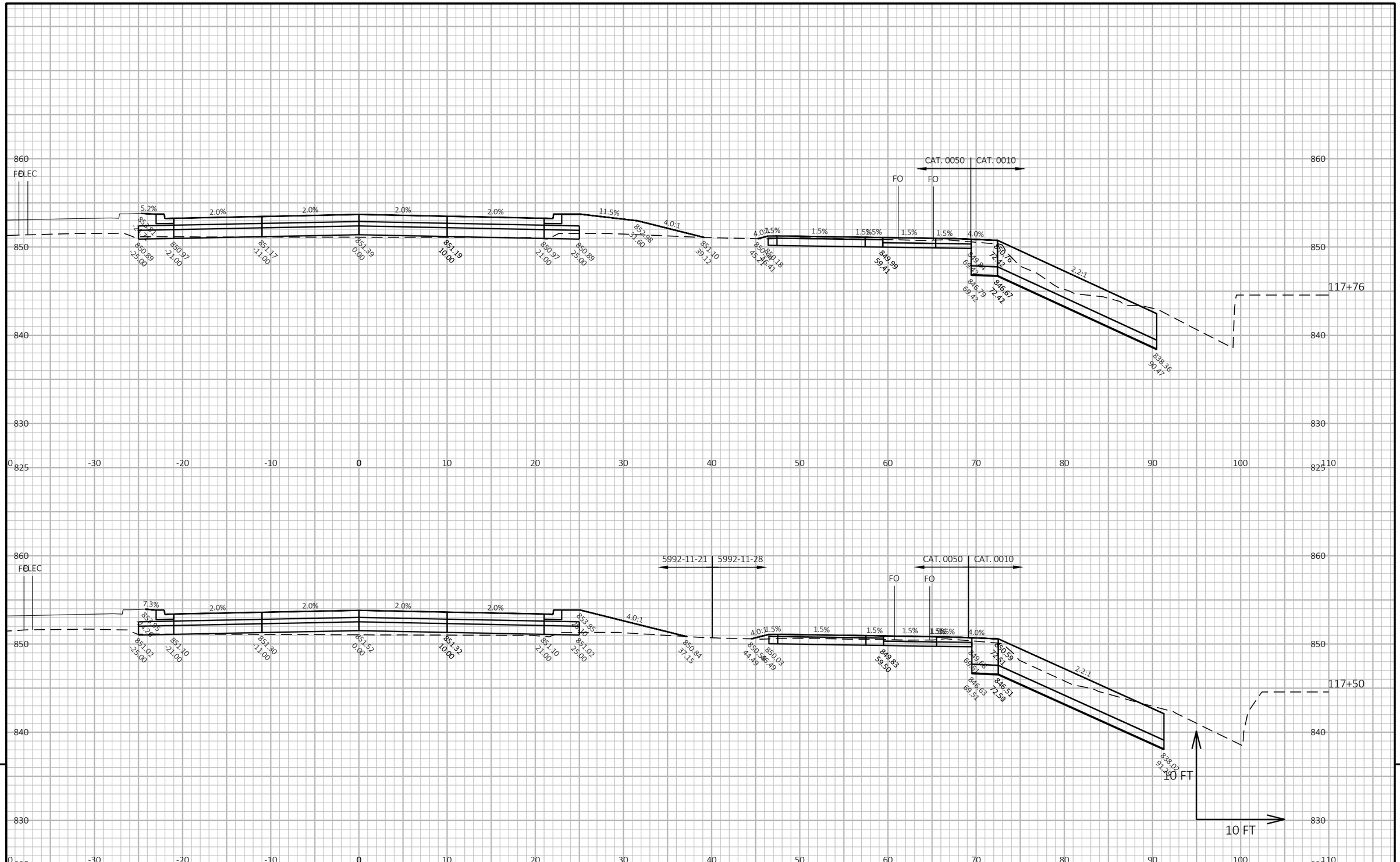


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1385 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 44

PLOT DATE : 5/22/2025 4:19 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1386	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 45

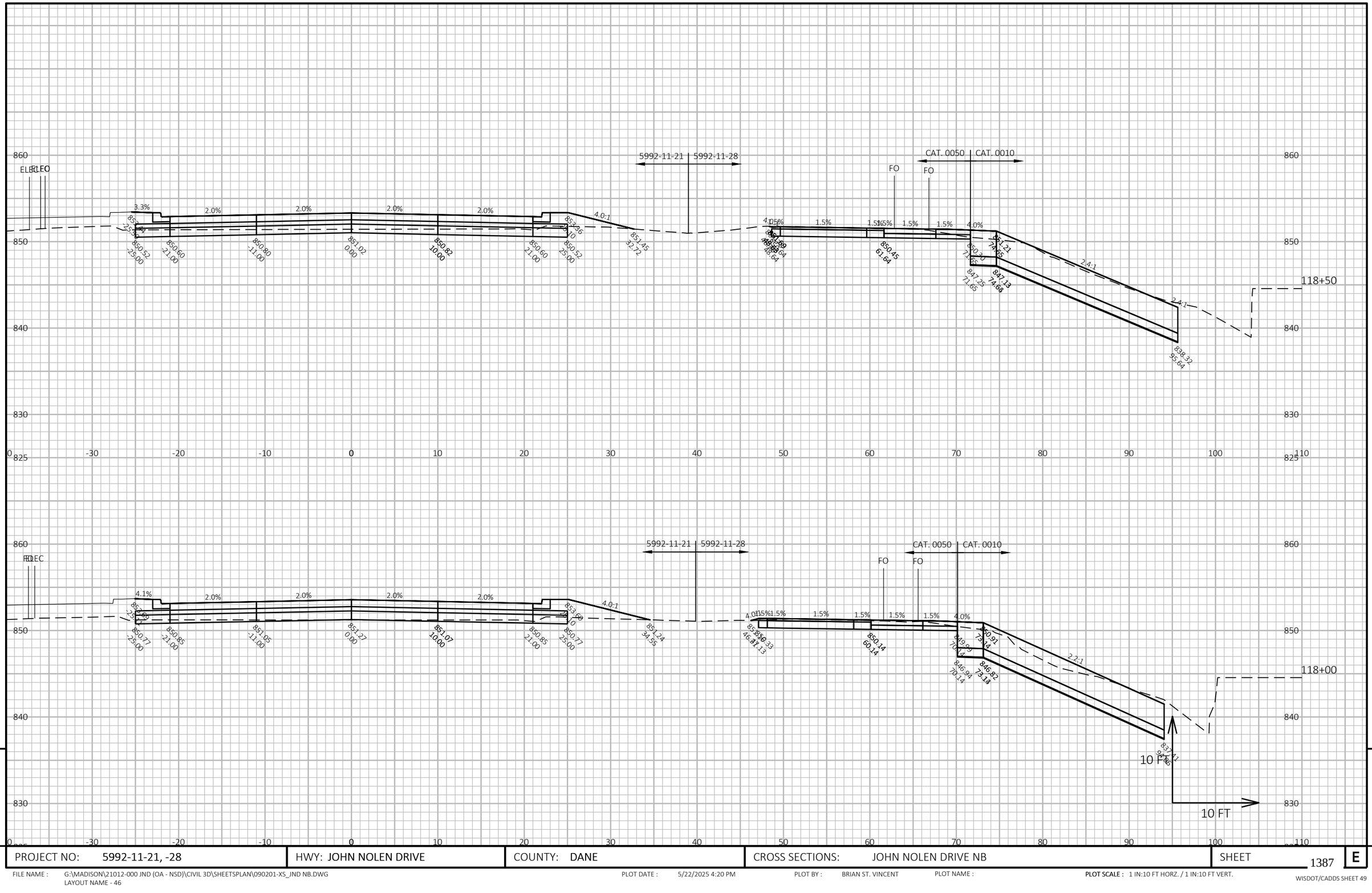
PLOT DATE : 5/22/2025 4:19 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1387	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 46

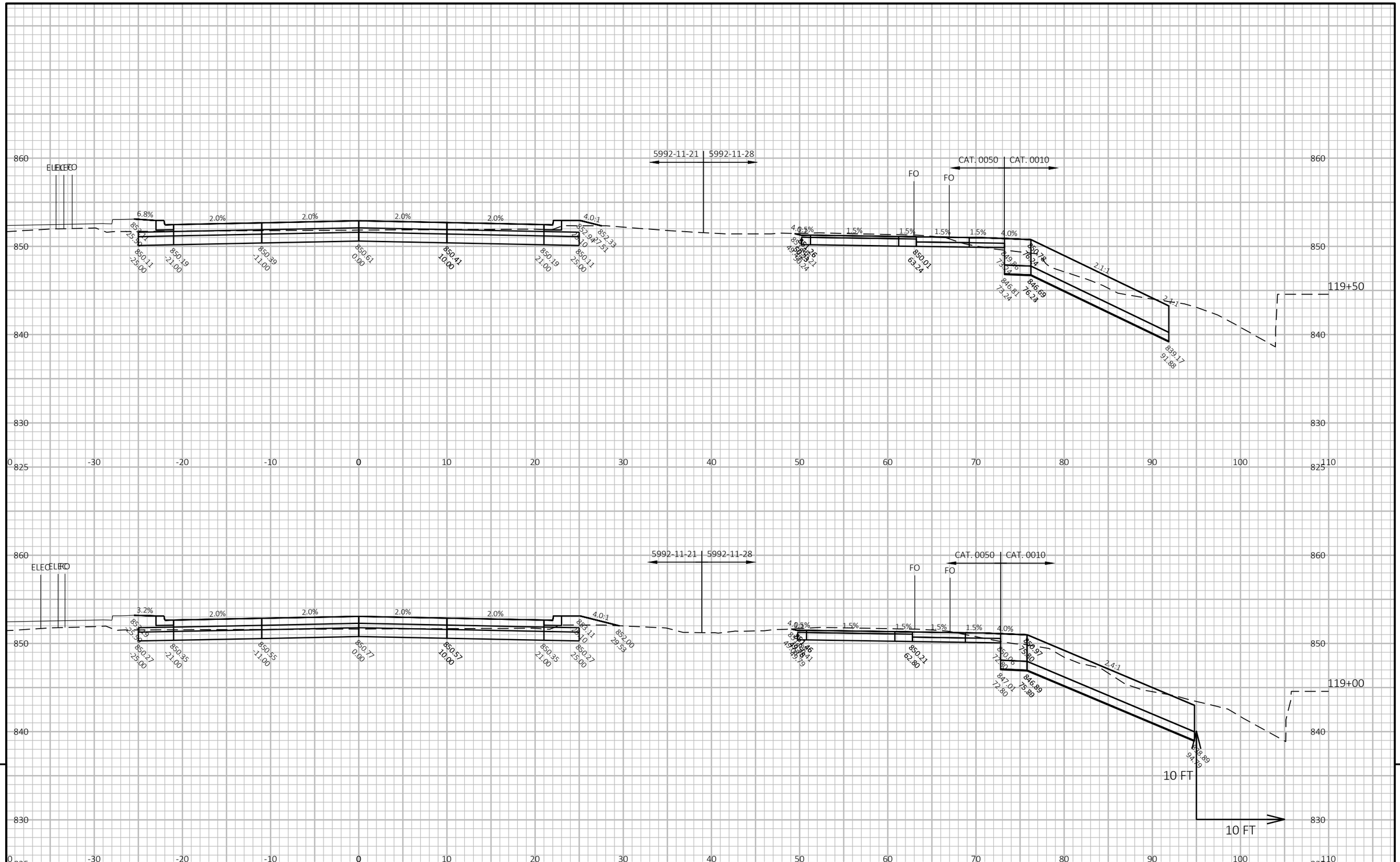
PLOT DATE : 5/22/2025 4:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1388	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 47

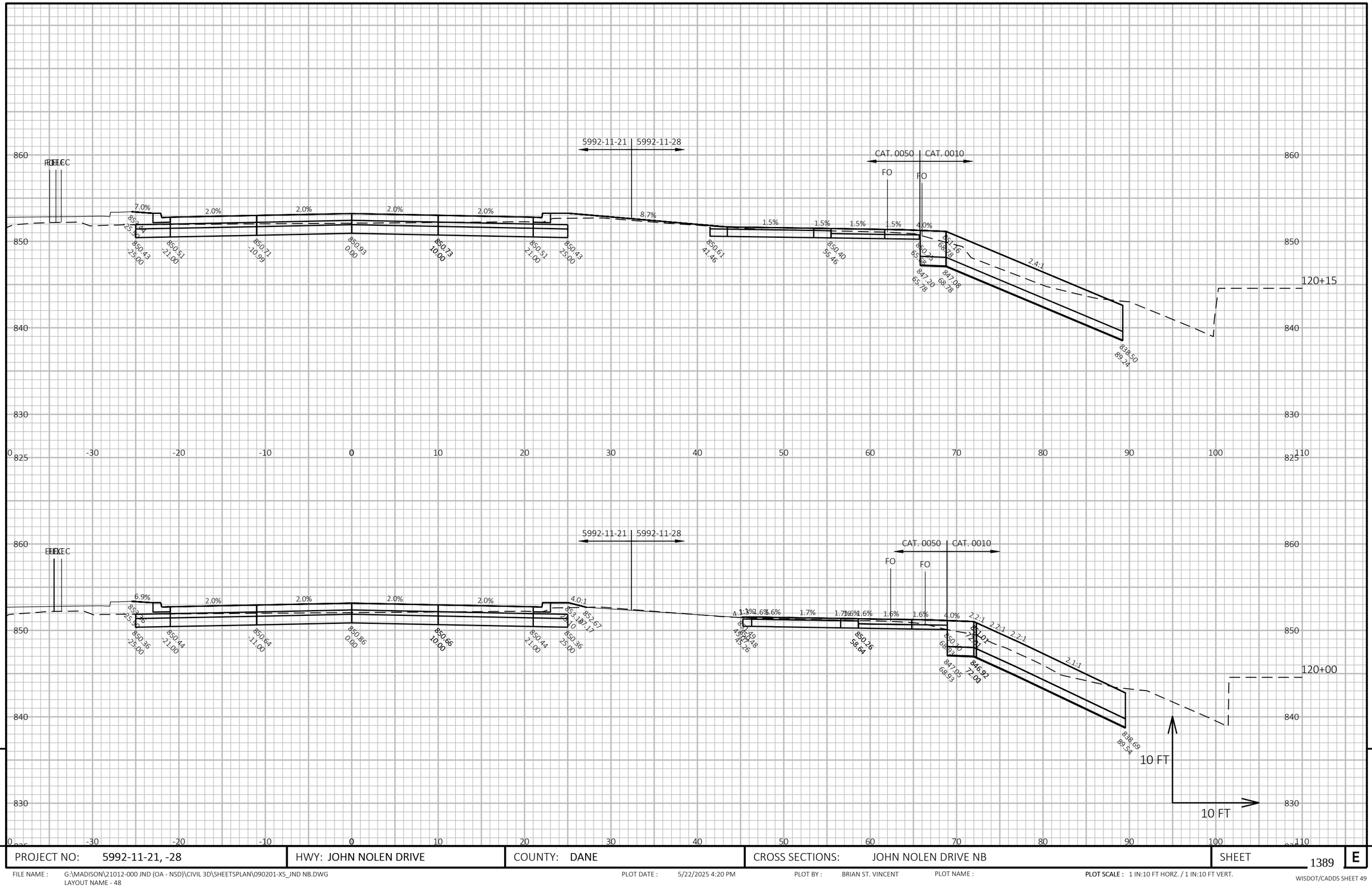
PLOT DATE : 5/22/2025 4:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1389 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 48

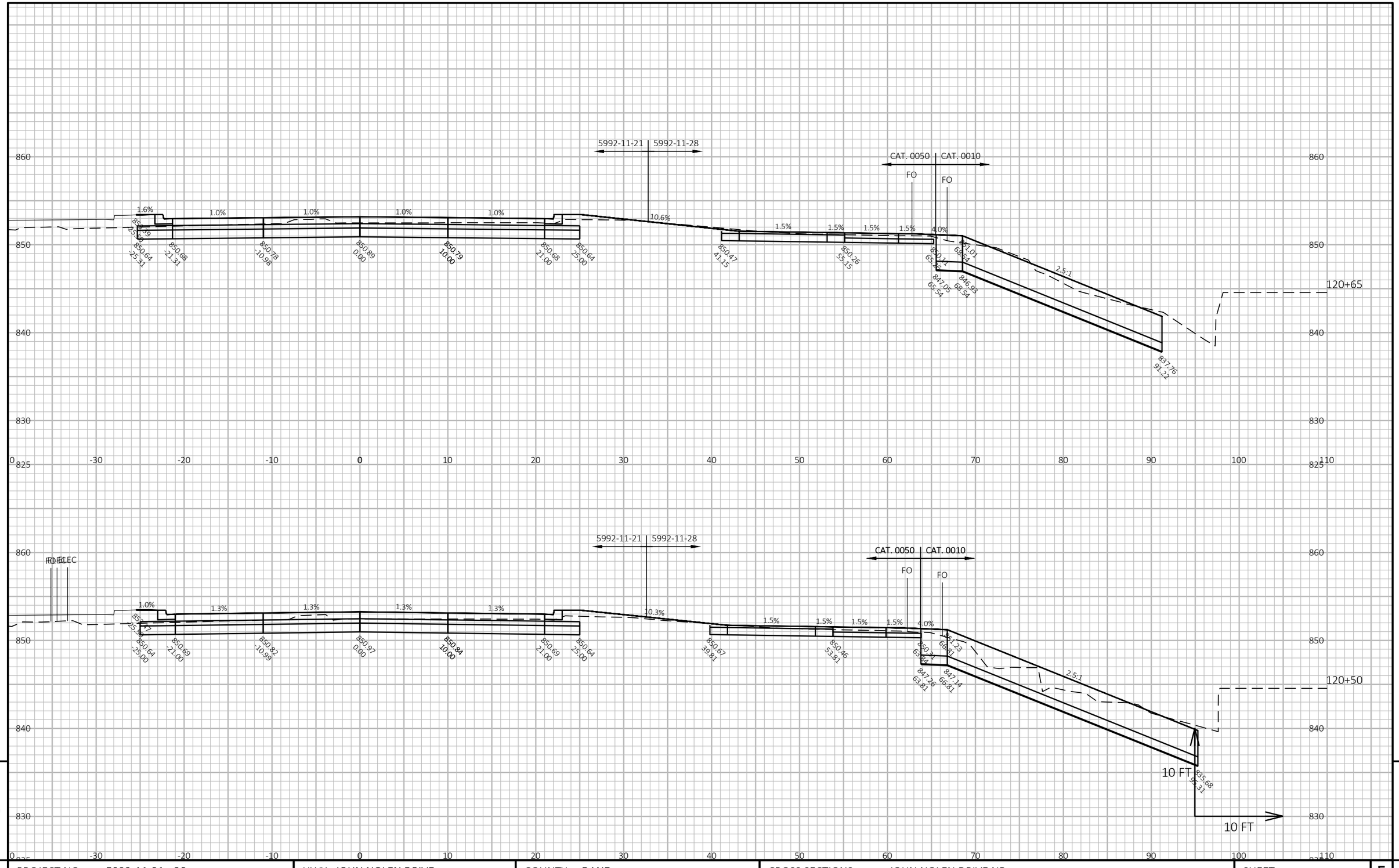
PLOT DATE : 5/22/2025 4:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



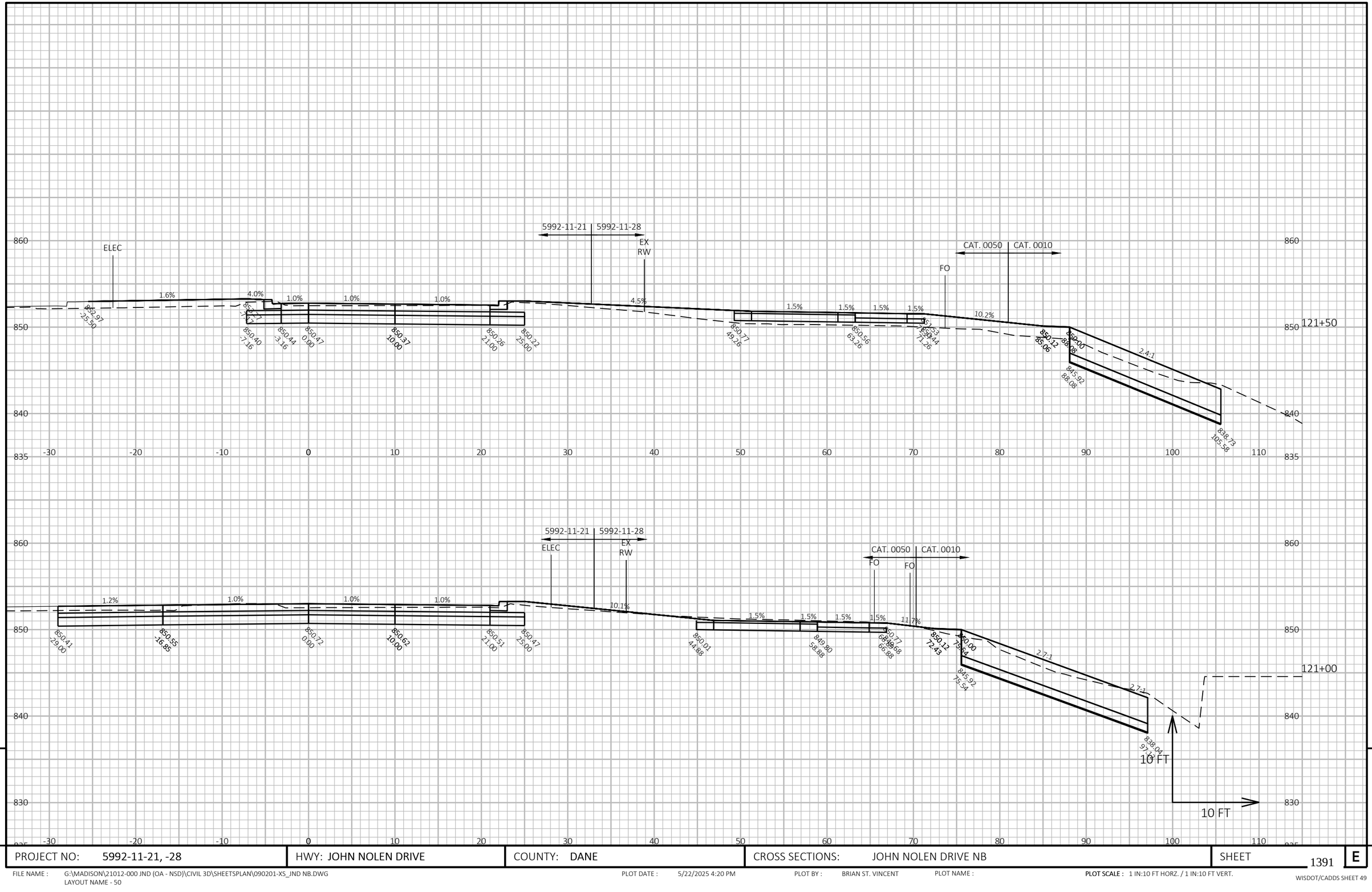
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1390	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 49

PLOT DATE : 5/22/2025 4:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

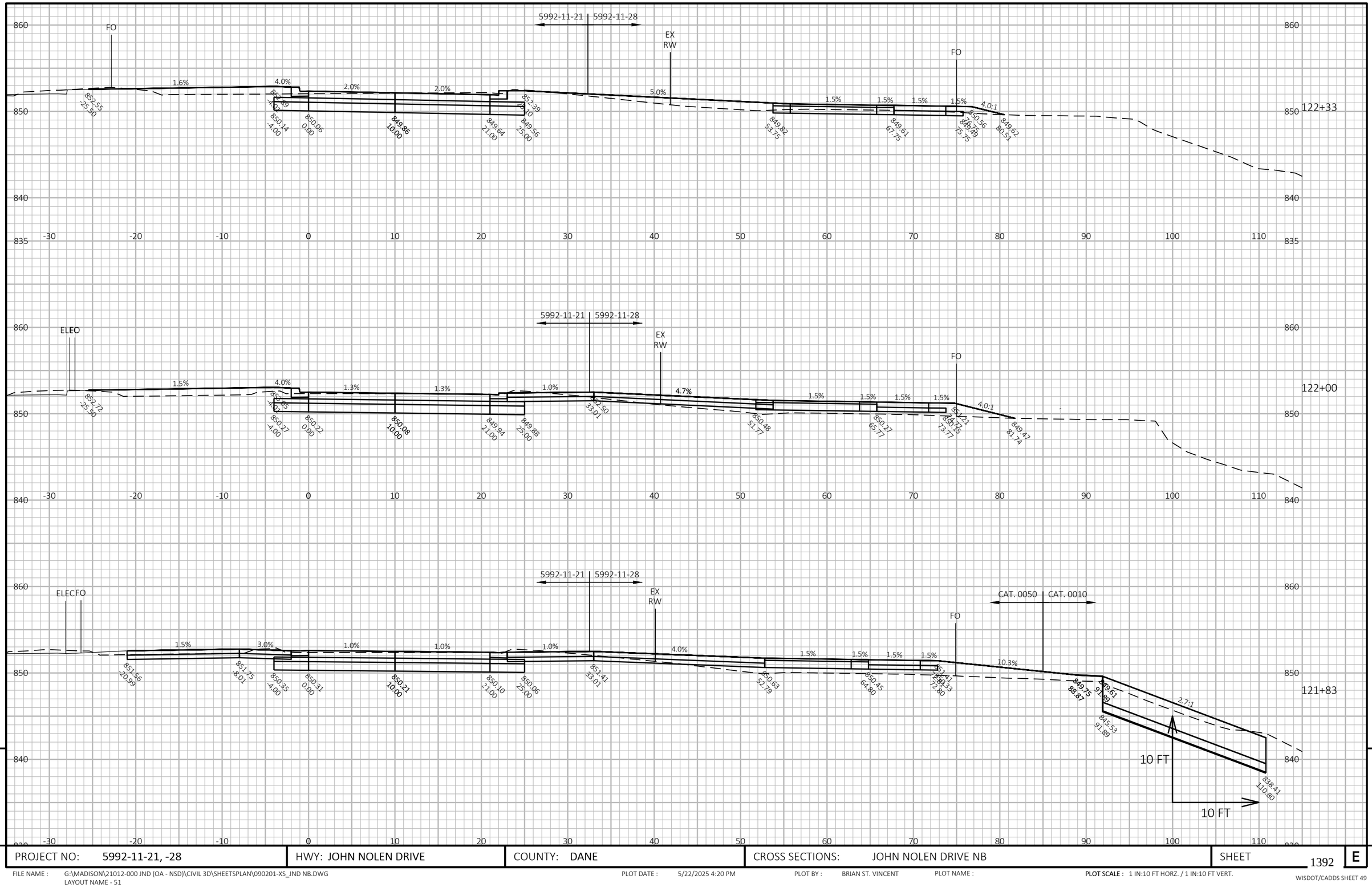


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1391	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 50

PLOT DATE : 5/22/2025 4:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

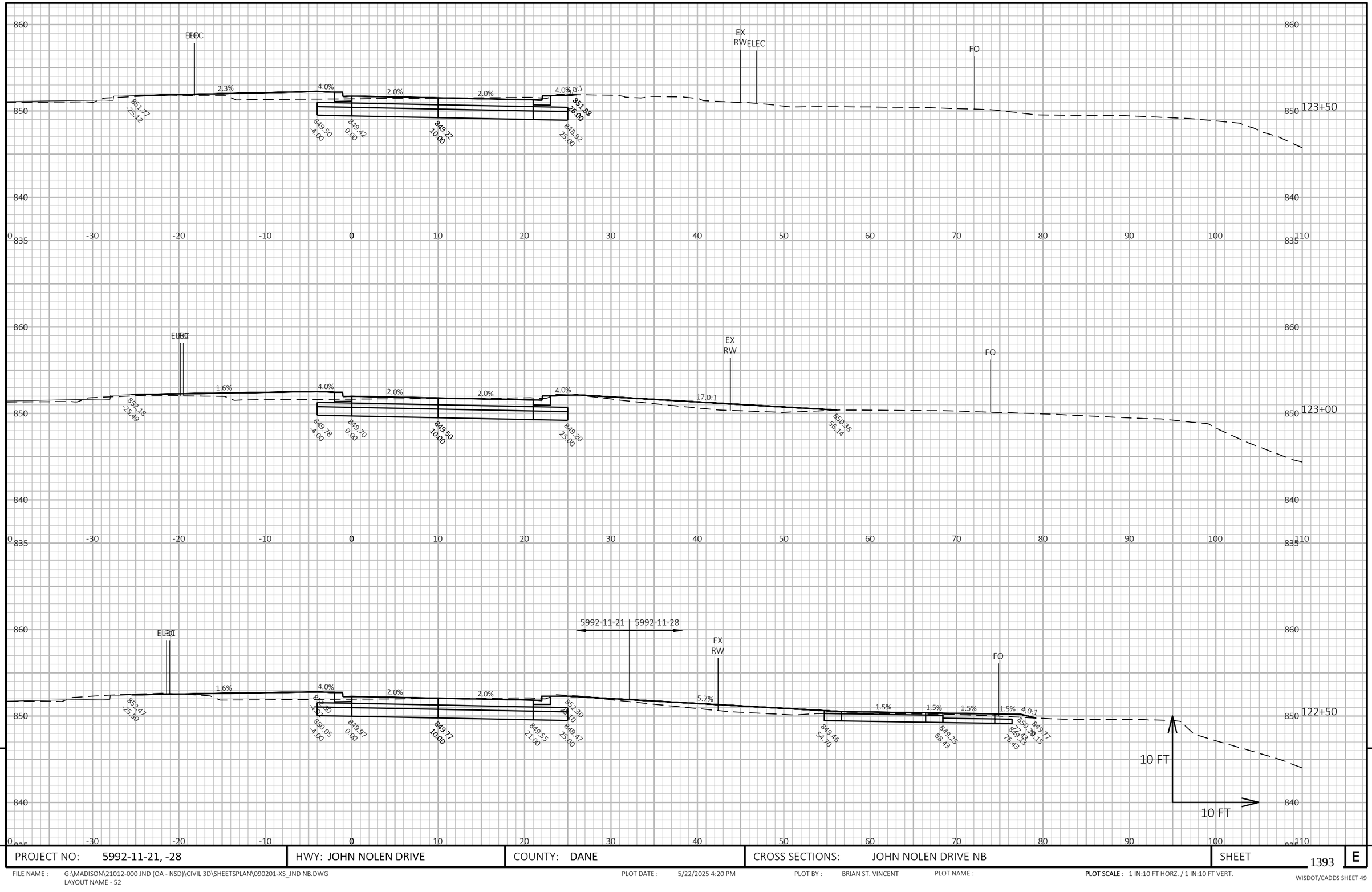


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1392	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 51

PLOT DATE : 5/22/2025 4:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

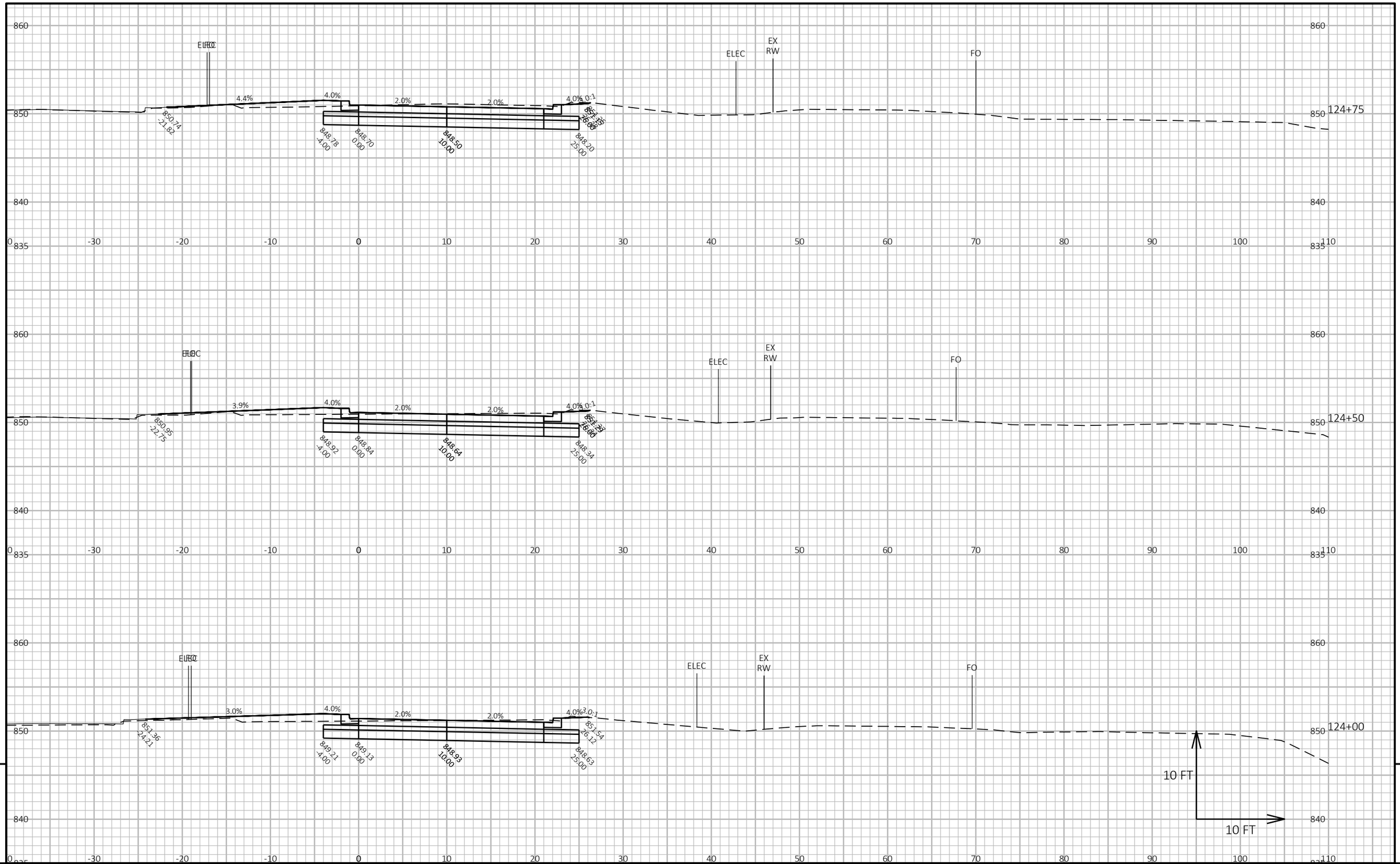
WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1393 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 52

PLOT DATE : 5/22/2025 4:20 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1394	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 53

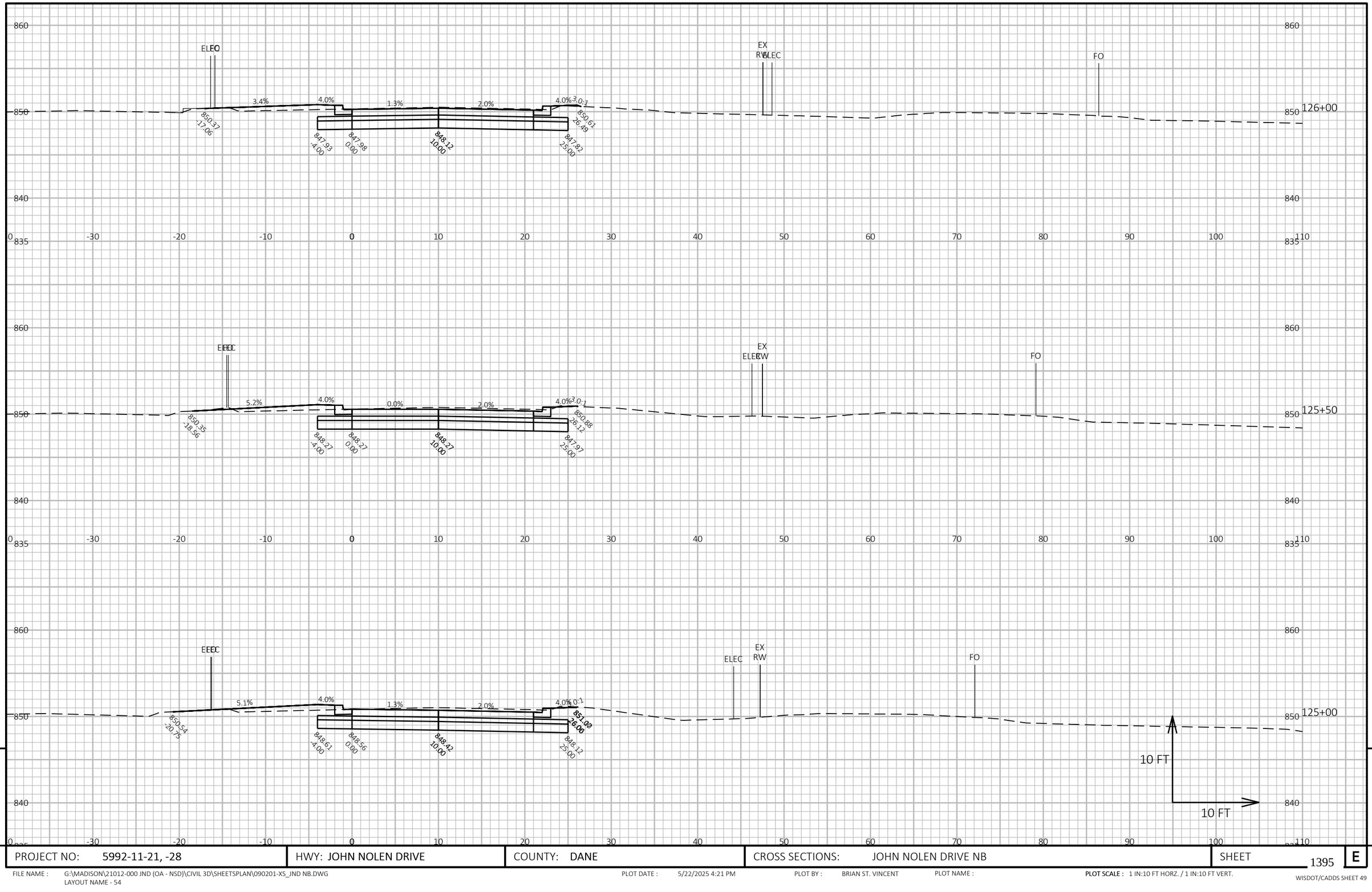
PLOT DATE : 5/22/2025 4:20 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1395	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 54

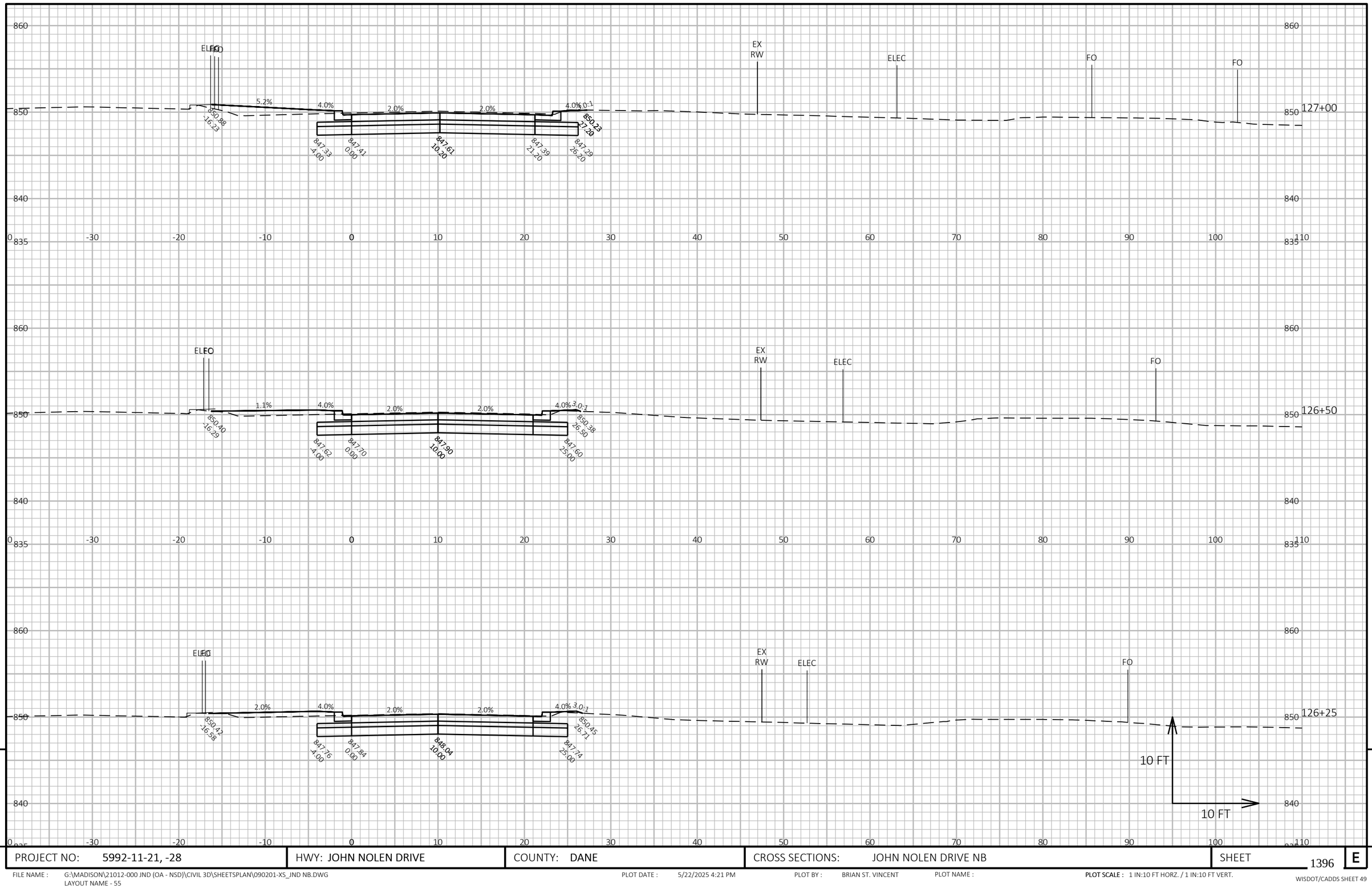
PLOT DATE : 5/22/2025 4:21 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

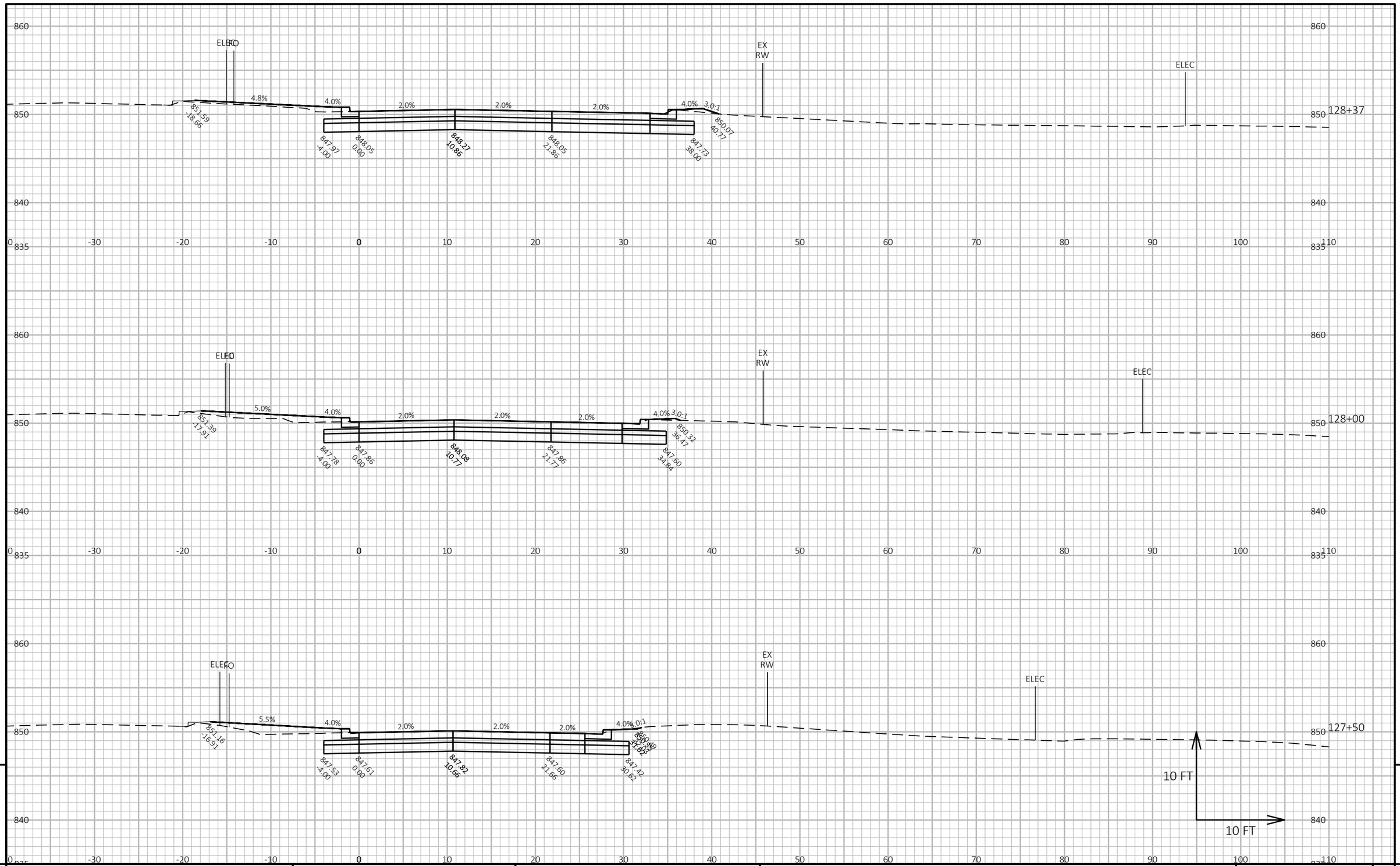


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1396	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 55

PLOT DATE : 5/22/2025 4:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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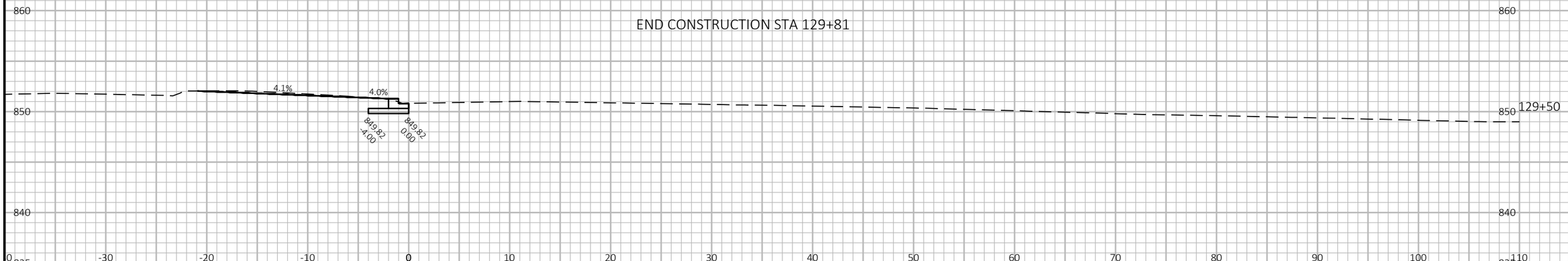
9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1397	E

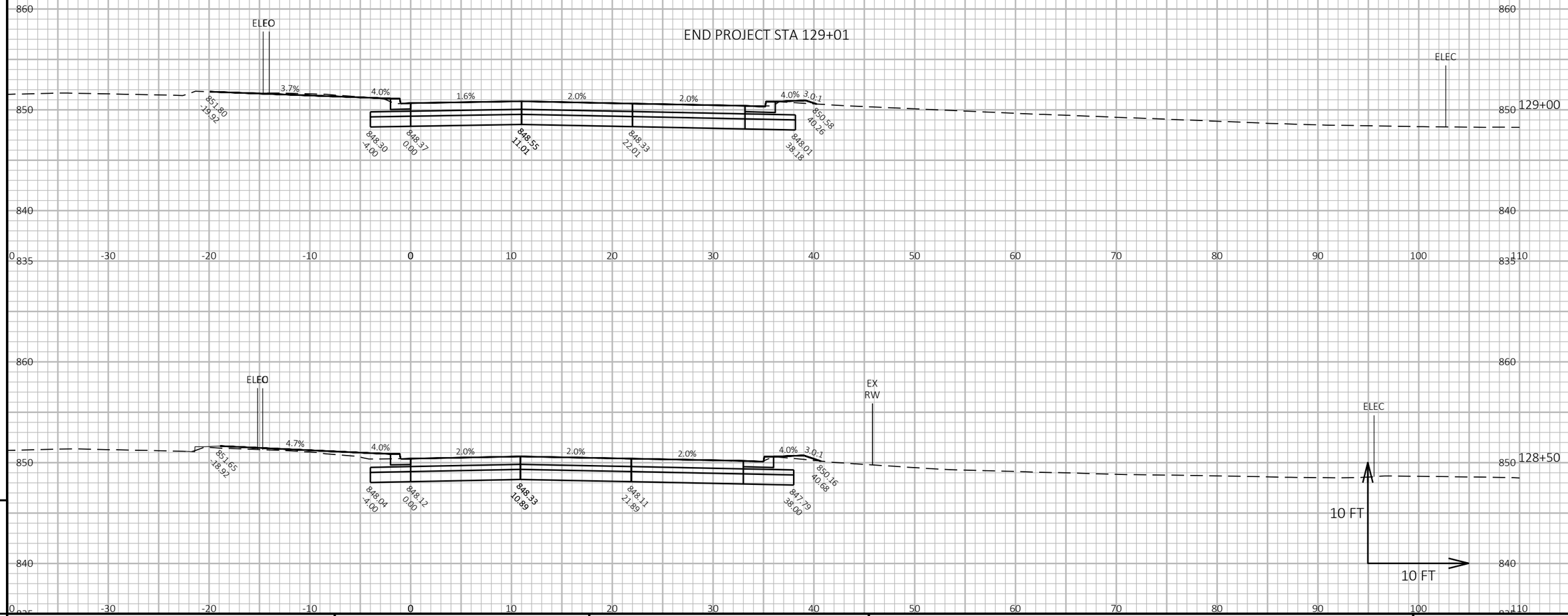
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 56

PLOT DATE : 5/22/2025 4:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION STA 129+81



END PROJECT STA 129+01

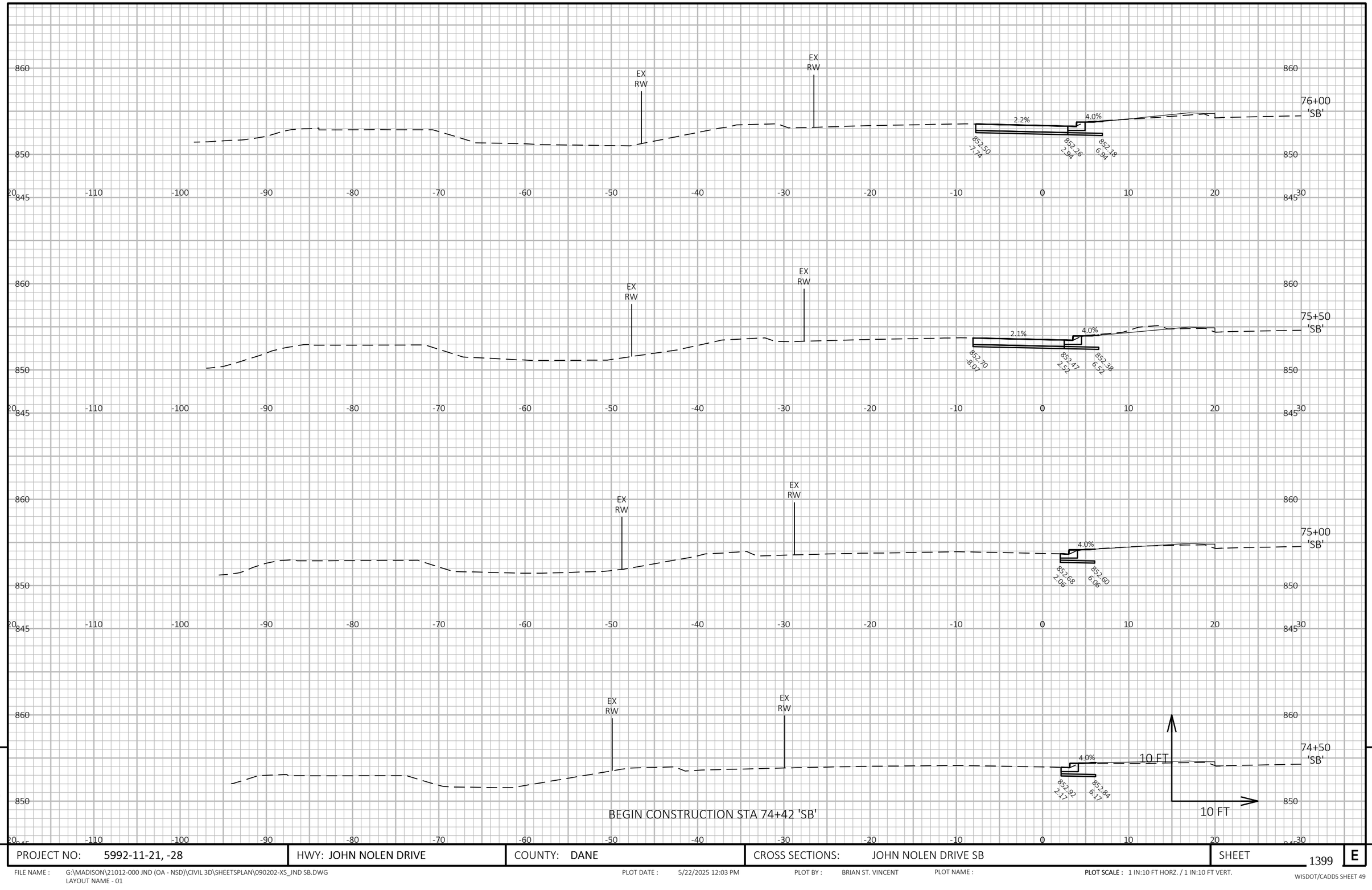


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE NB	SHEET 1398	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090201-XS_JND NB.DWG
LAYOUT NAME - 57

PLOT DATE : 5/22/2025 4:21 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

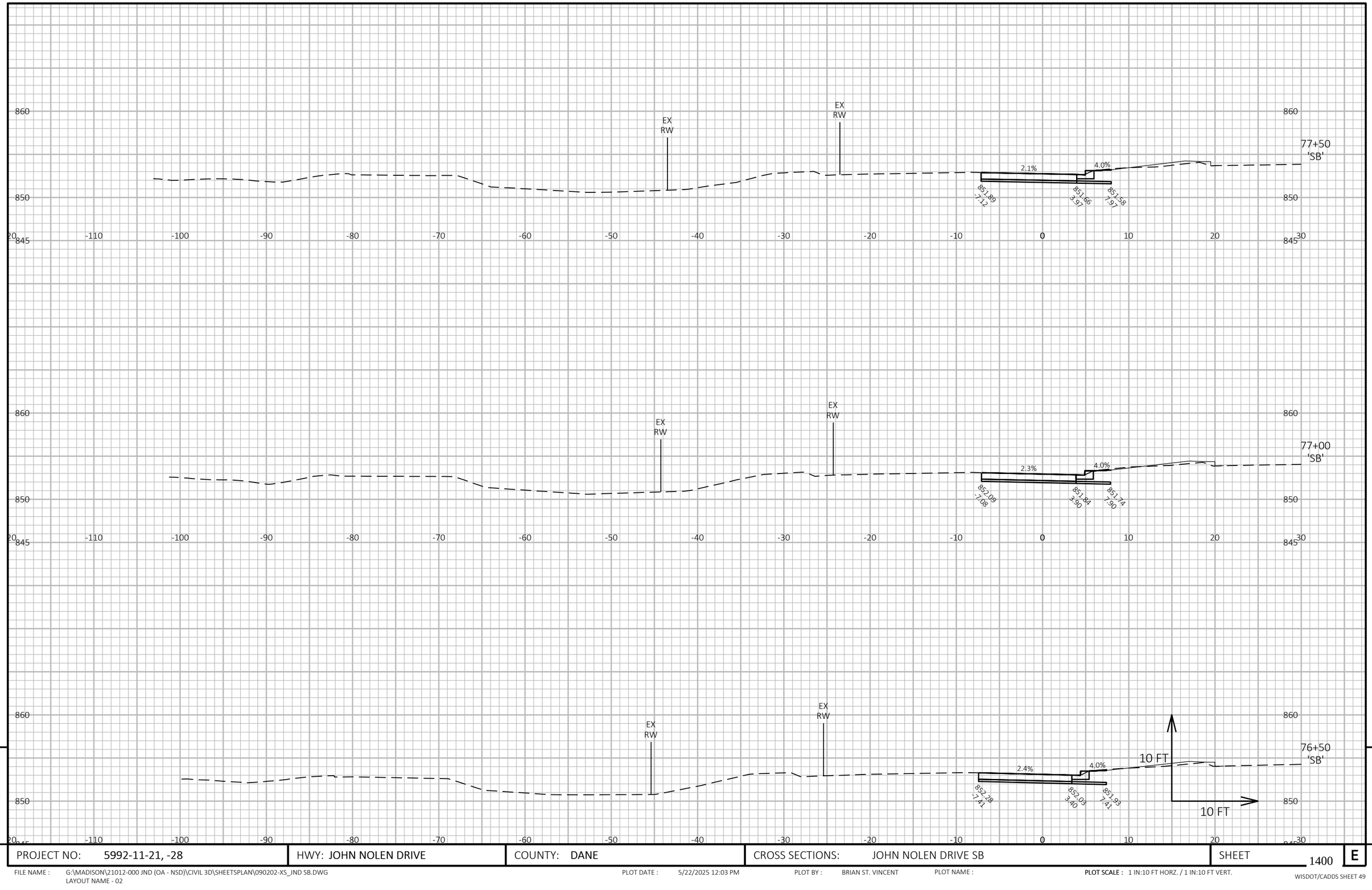


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1399 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 01

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

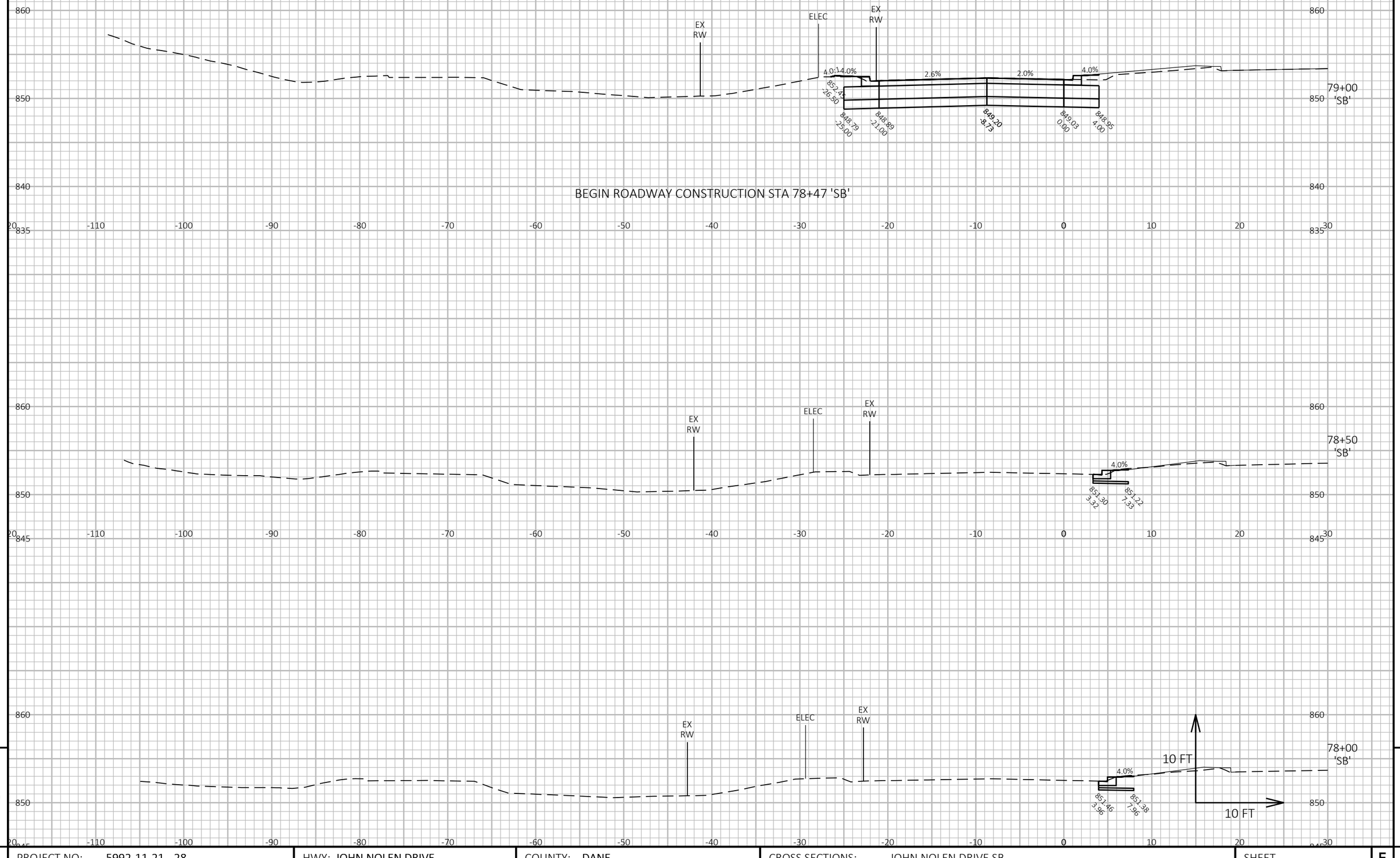


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1400 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1401	E

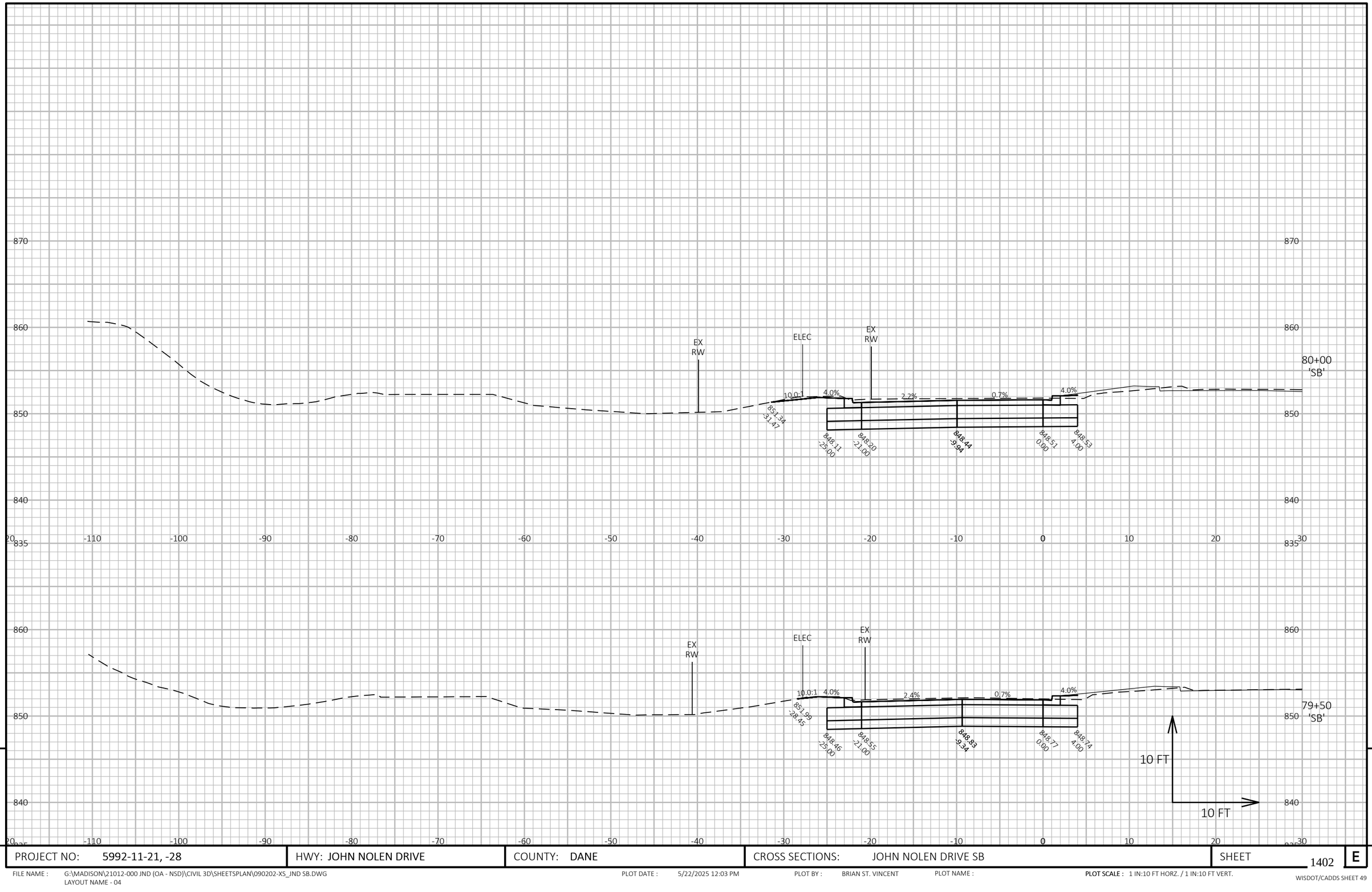
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 03

PLOT DATE : 5/22/2025 12:03 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1402	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 04

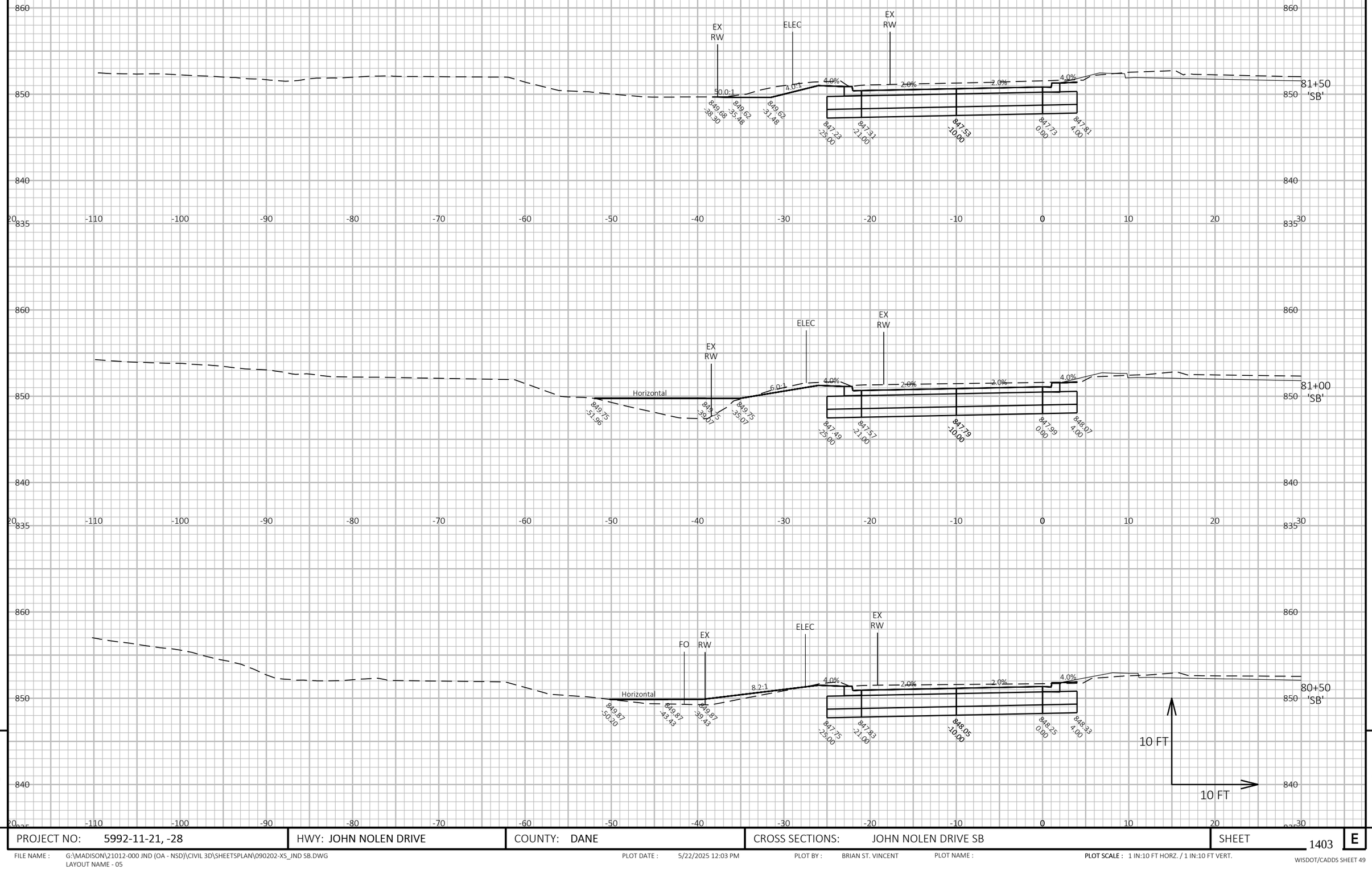
PLOT DATE : 5/22/2025 12:03 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

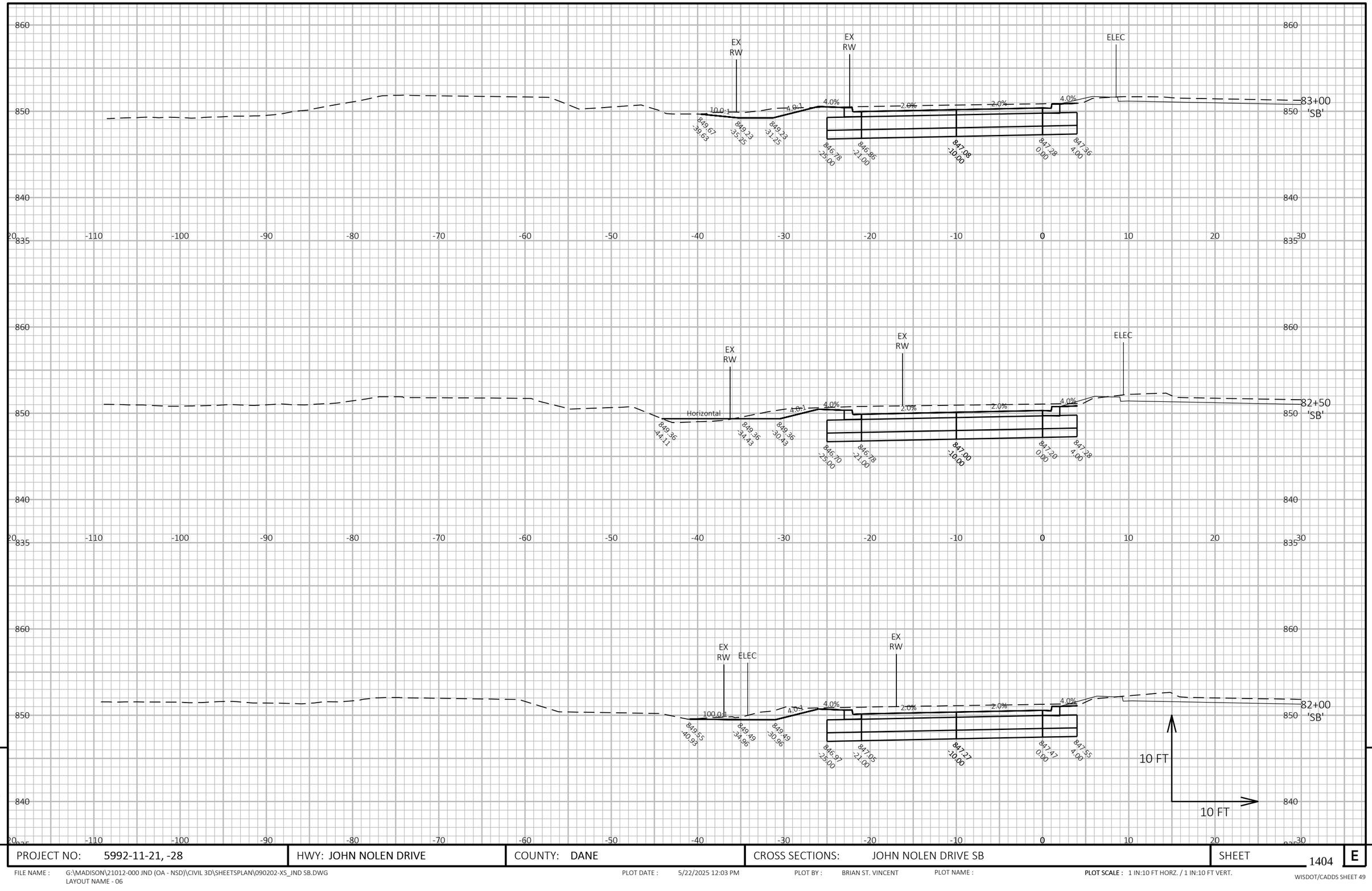


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1403	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 05

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

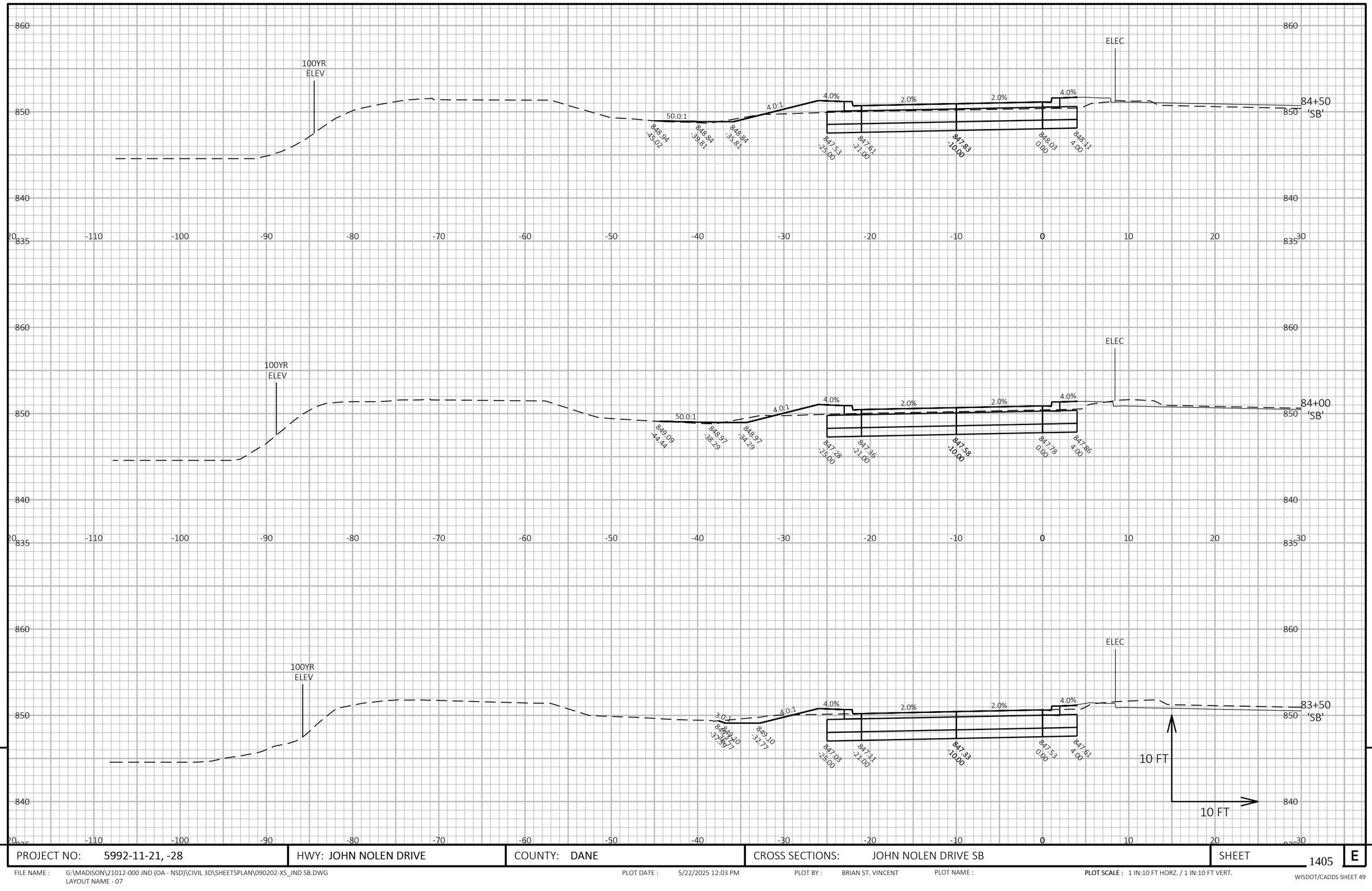


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1404	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 06

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



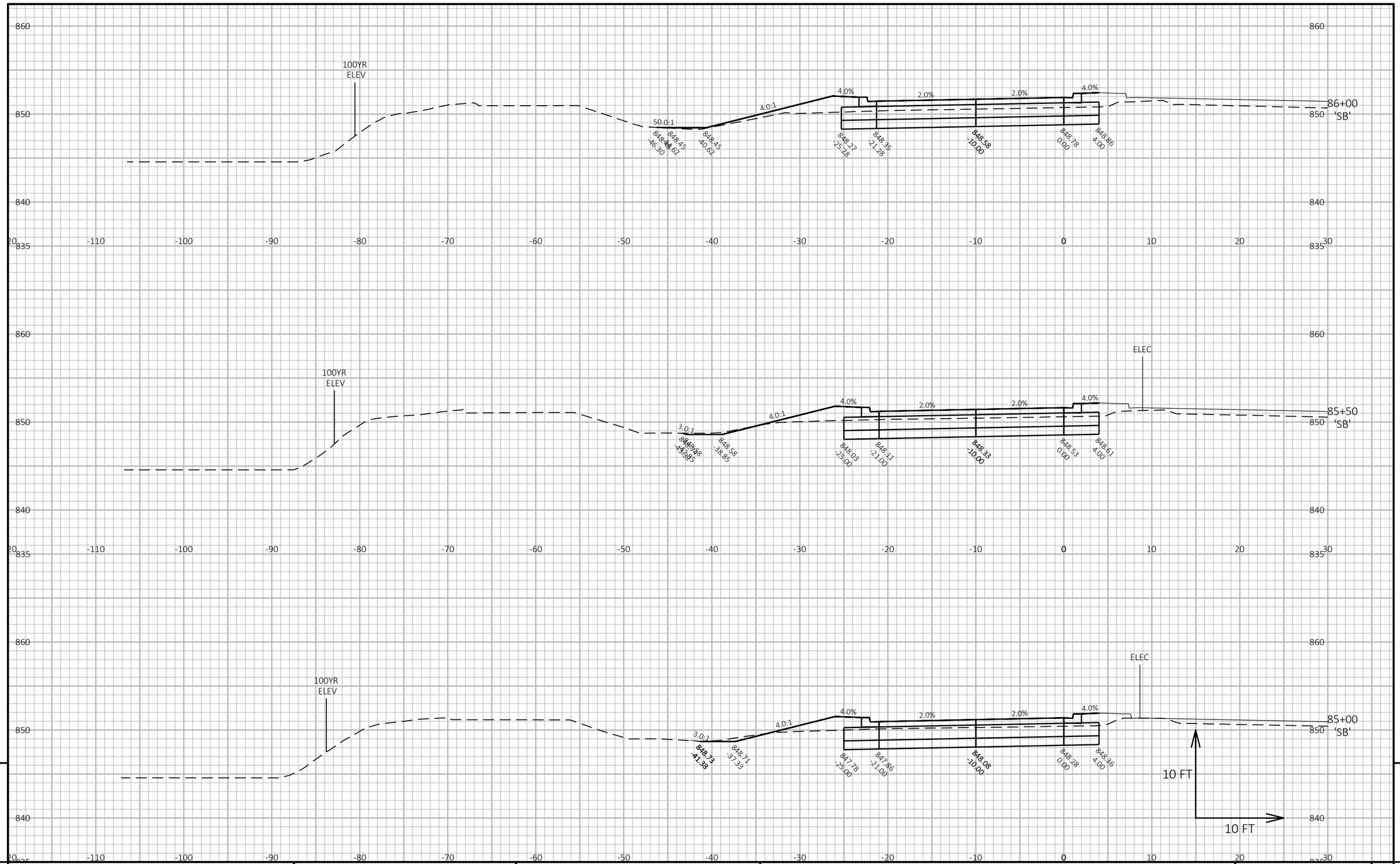
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1405	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 07

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

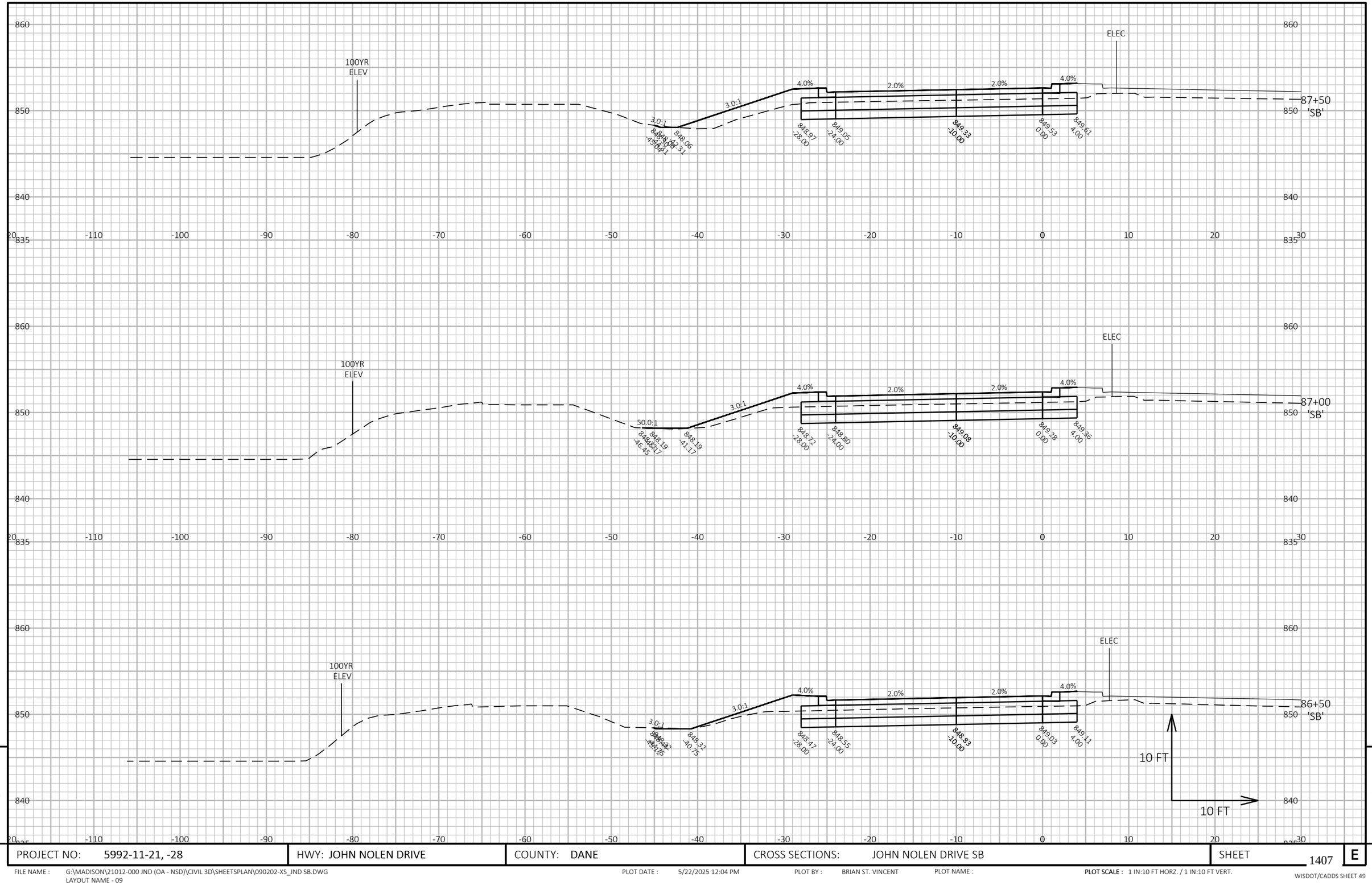


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1406	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 08

PLOT DATE : 5/22/2025 12:03 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



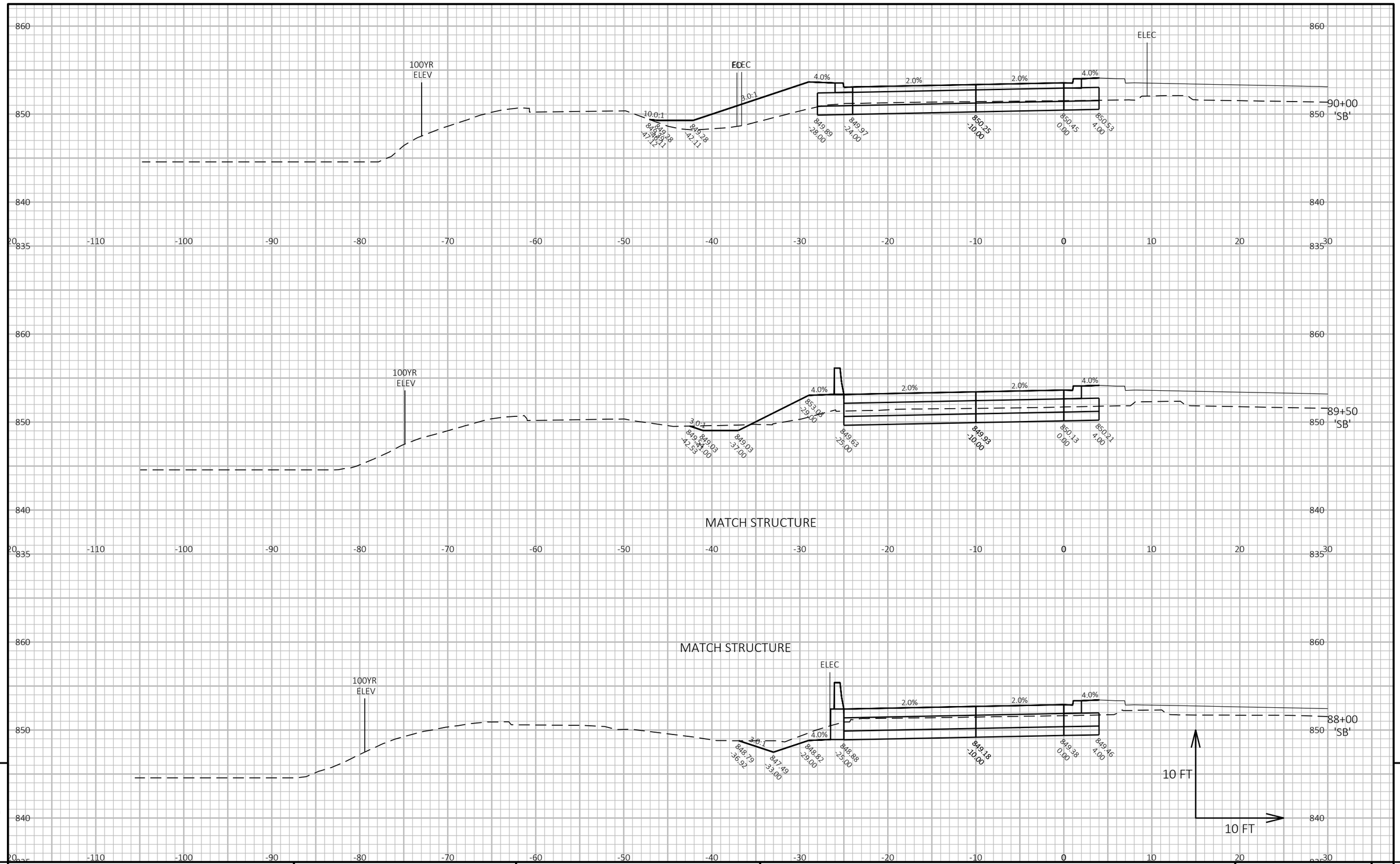
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1407	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 09

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



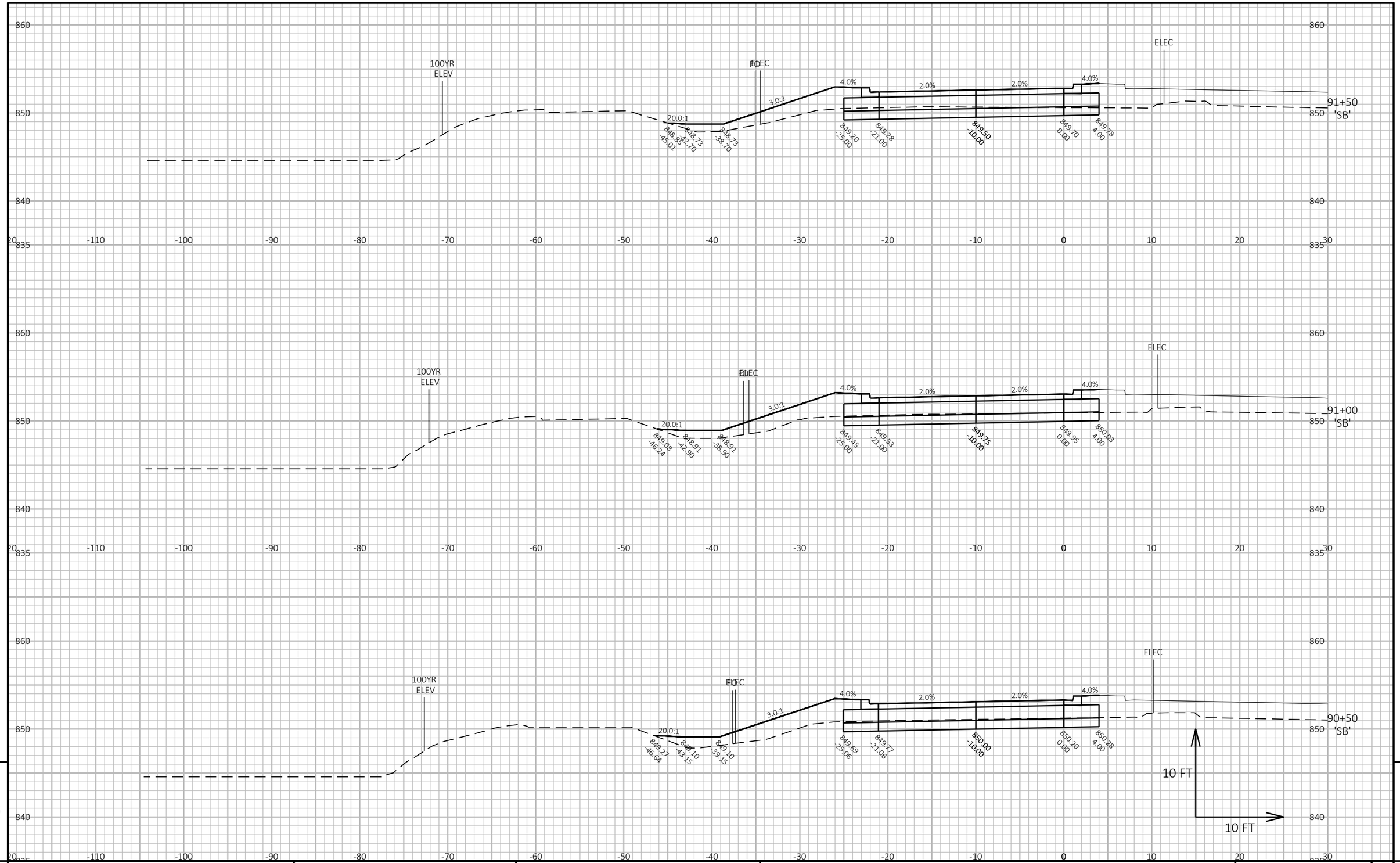
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1408	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 10

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



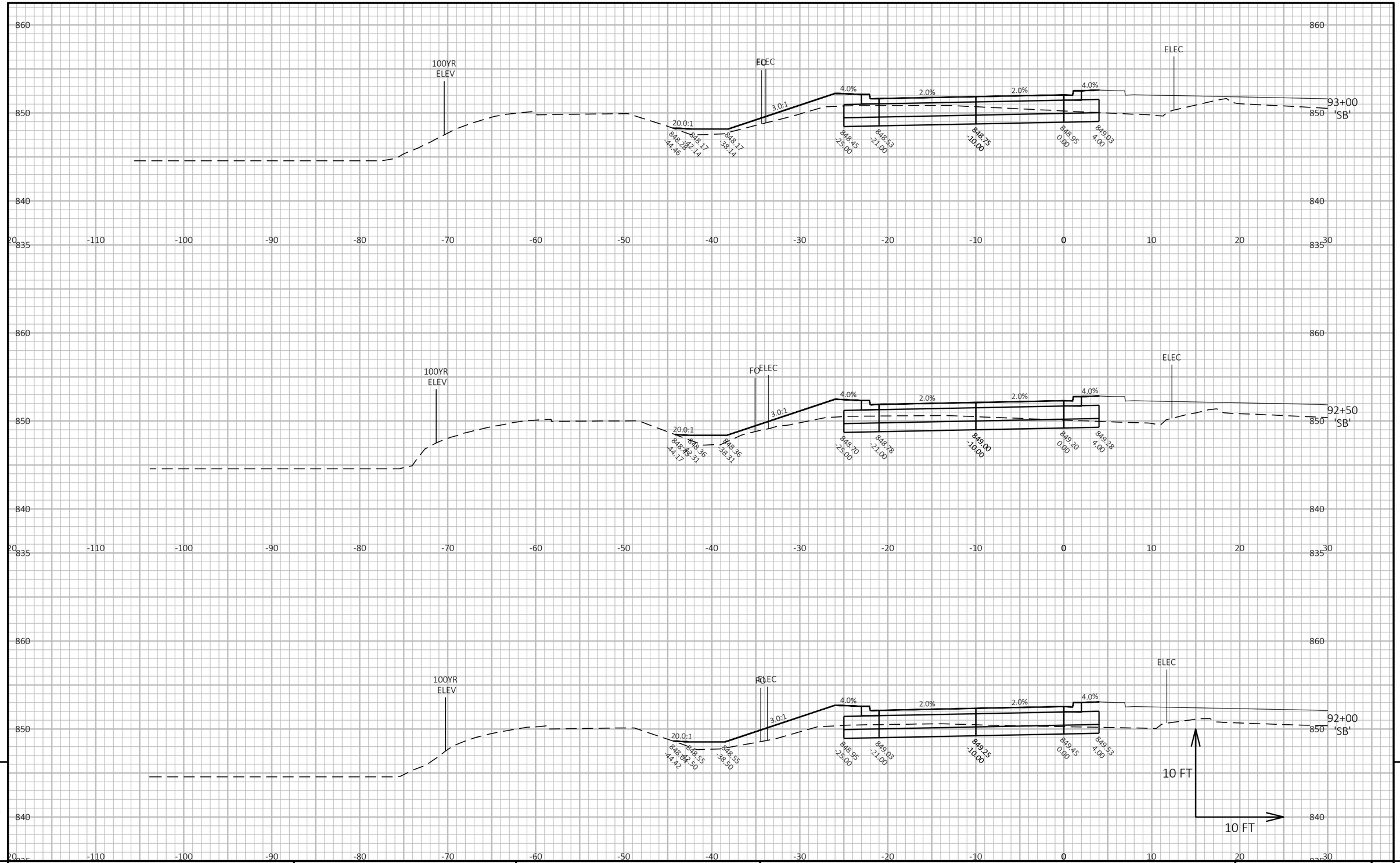
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1409	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 11

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



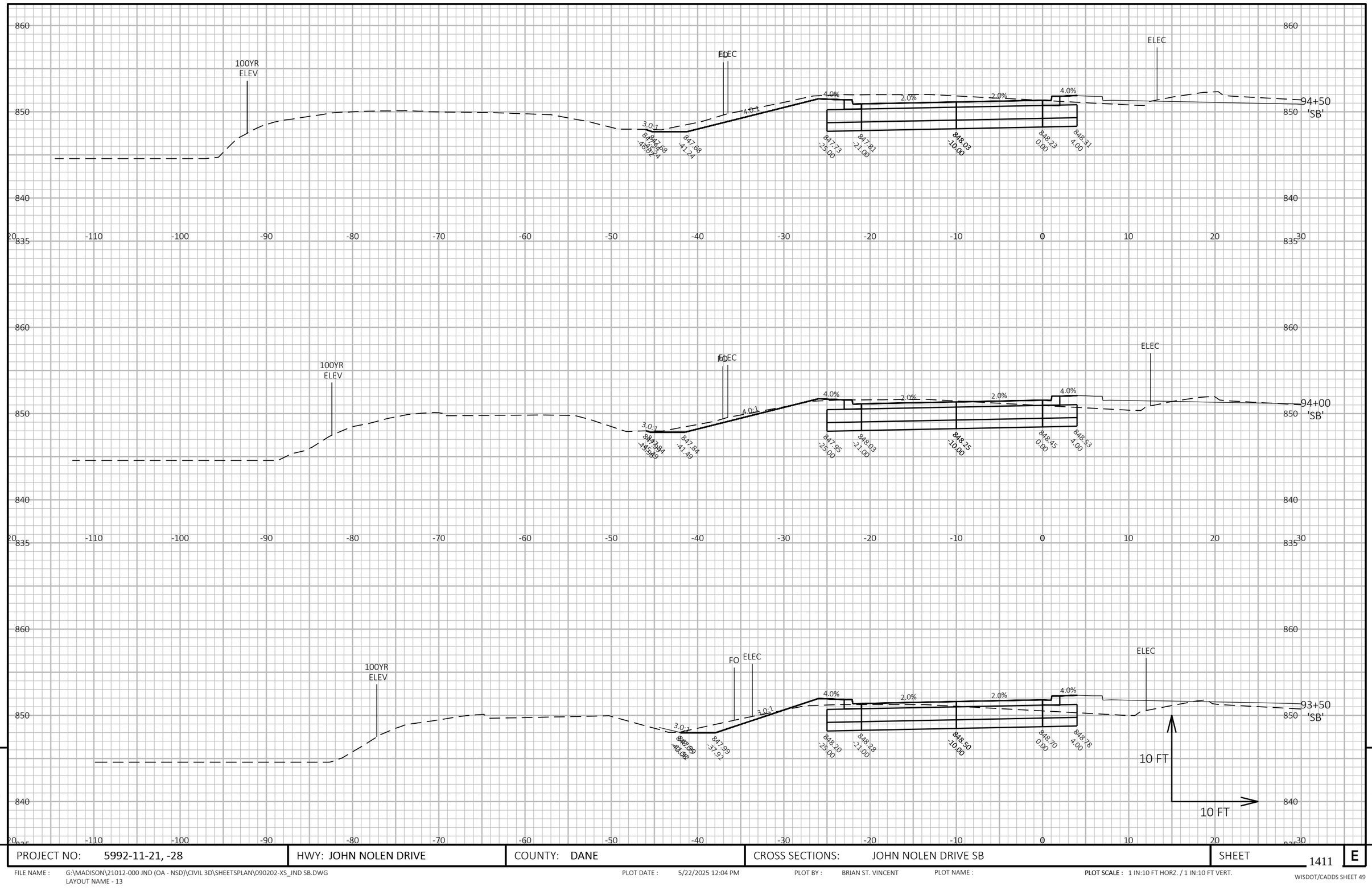
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1410	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 12

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



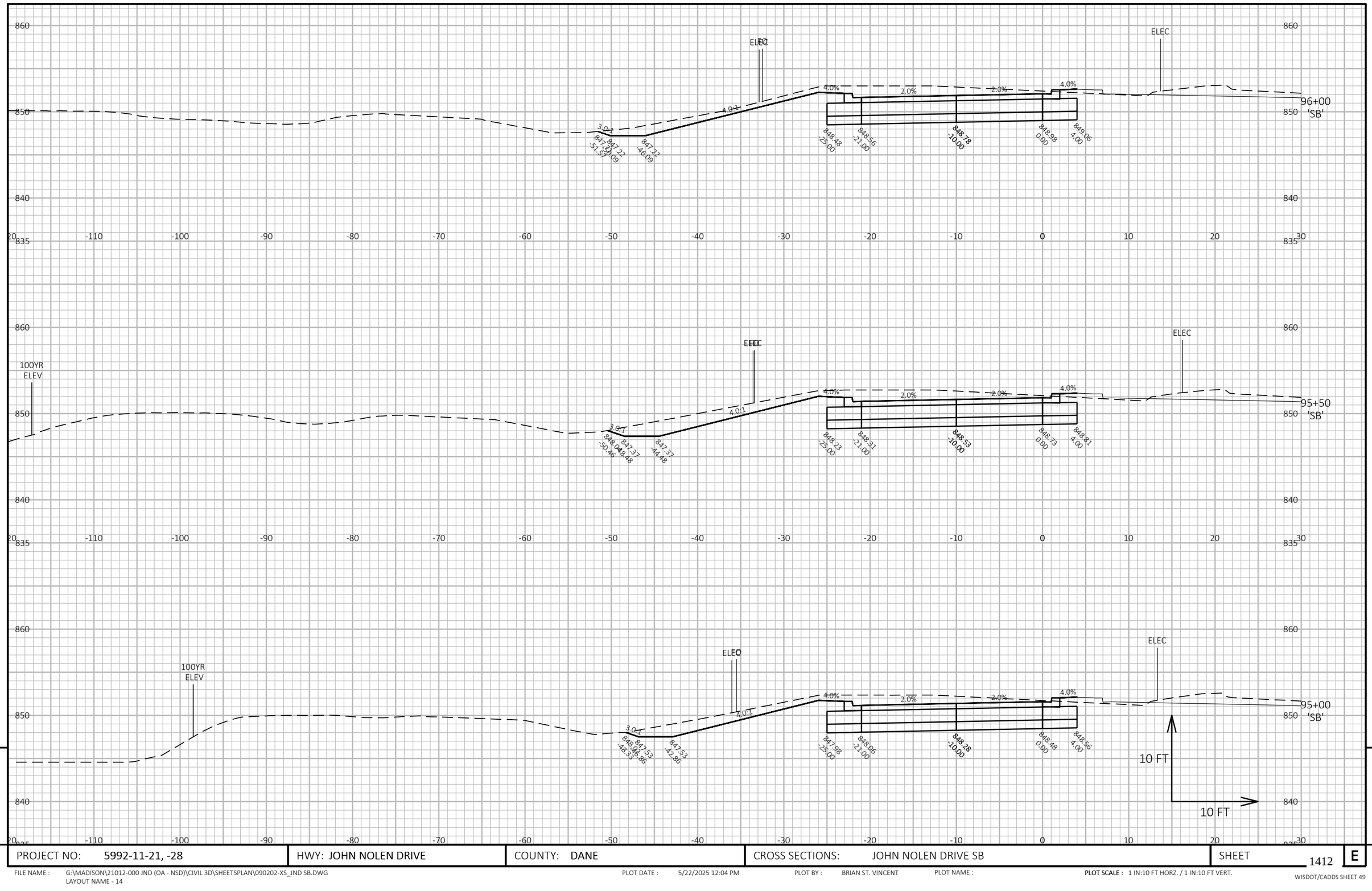
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1411	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 13

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



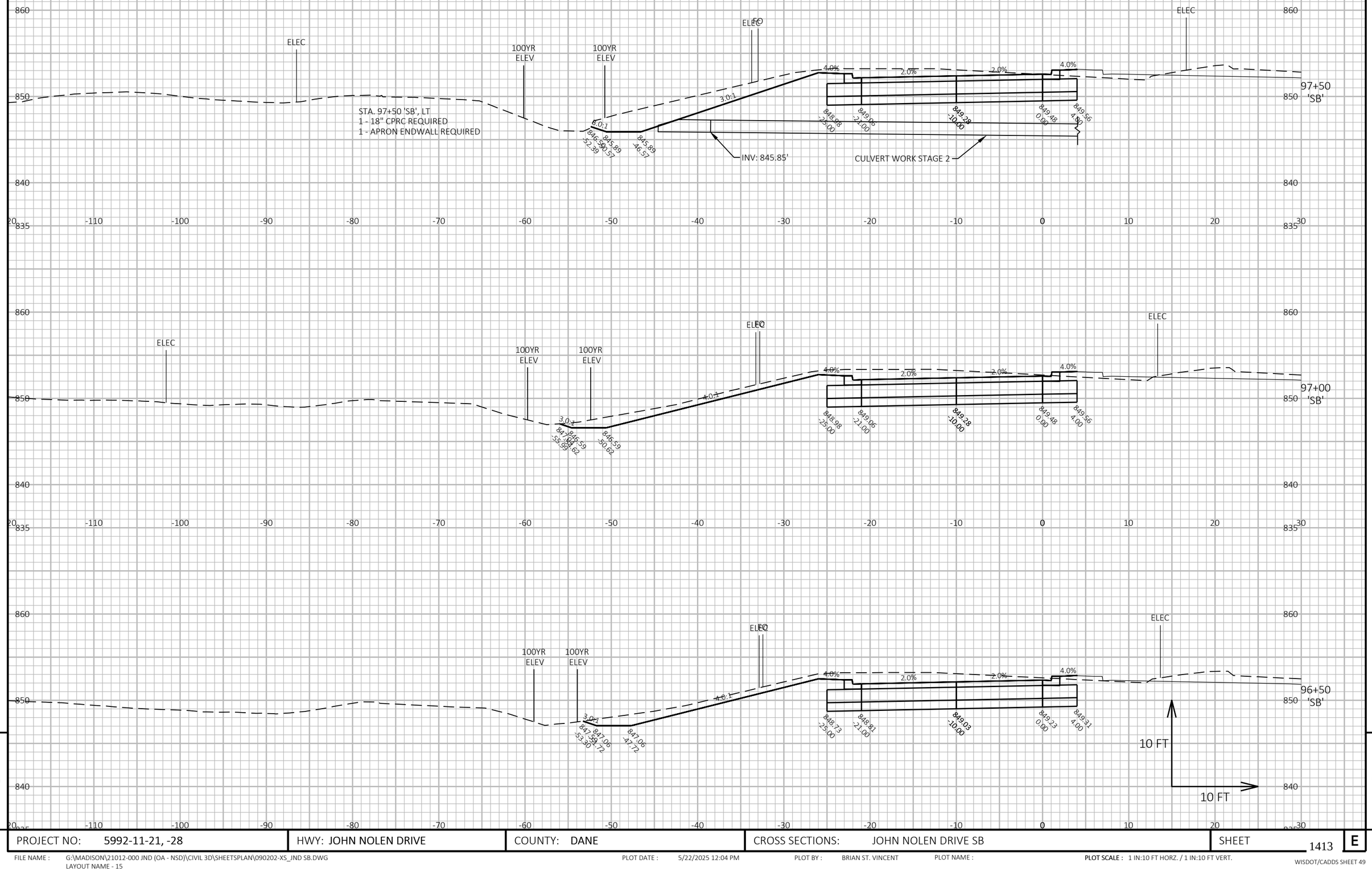
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1412	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 14

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



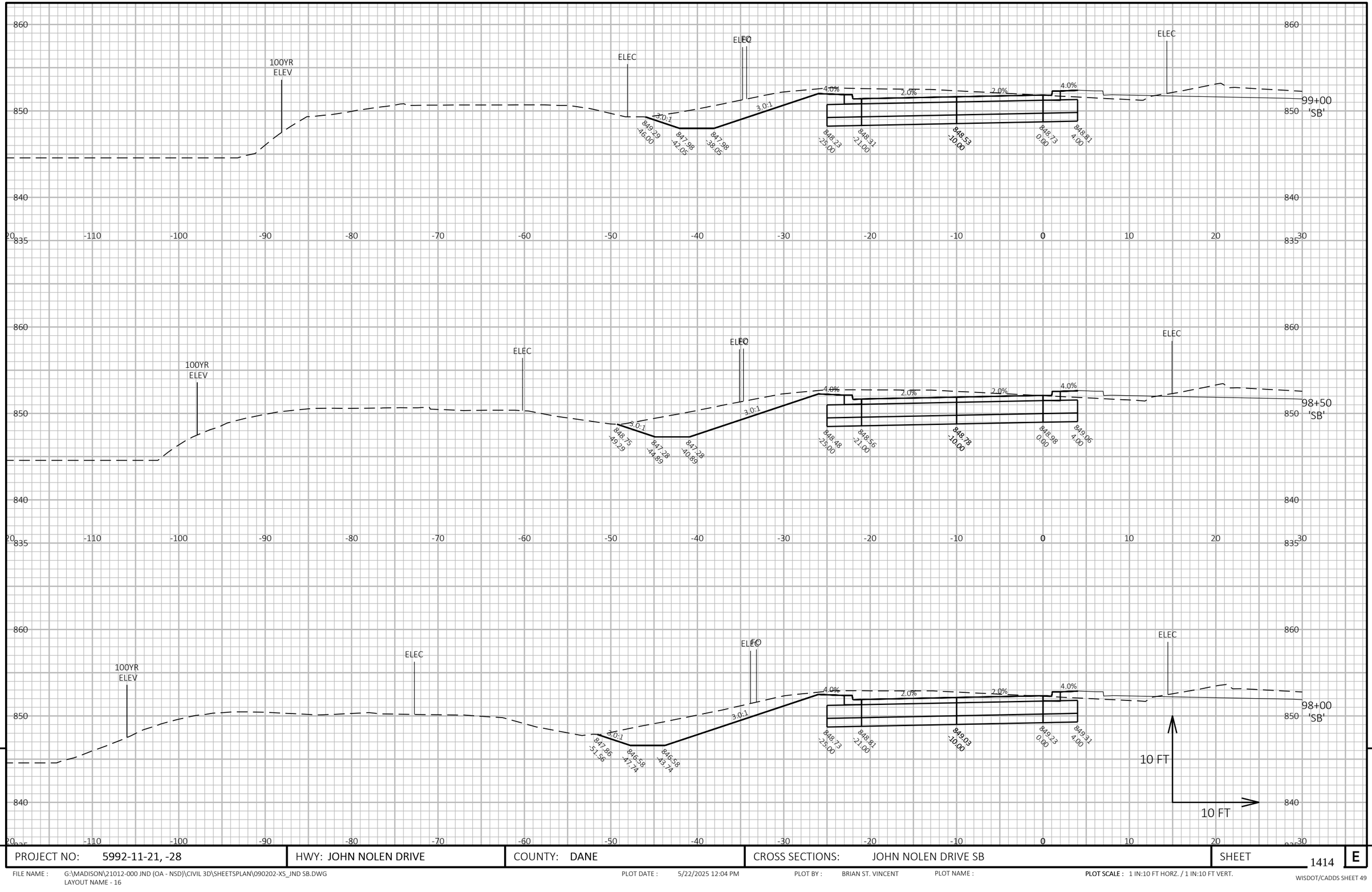
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1413 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 15

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



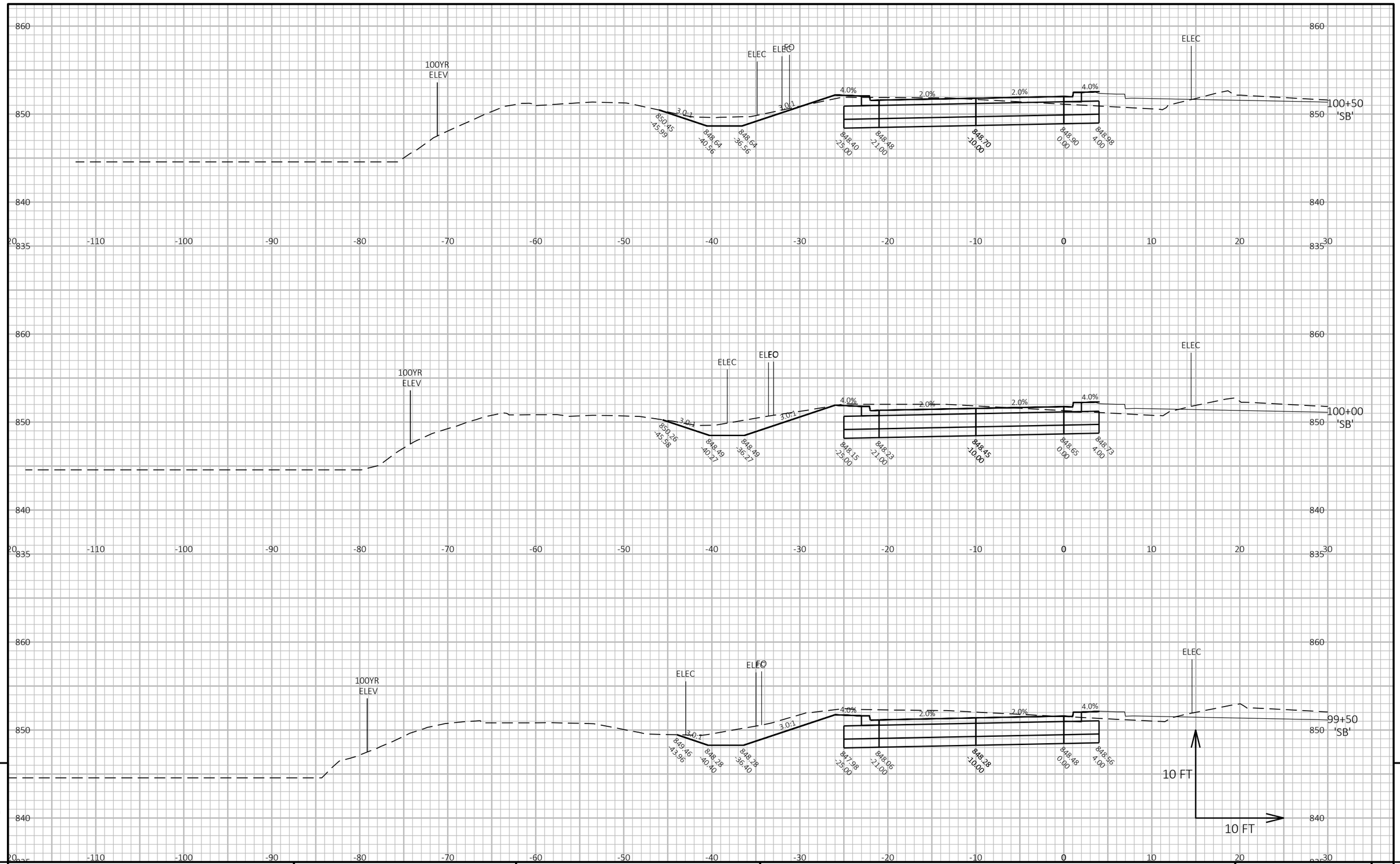
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1414	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 16

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

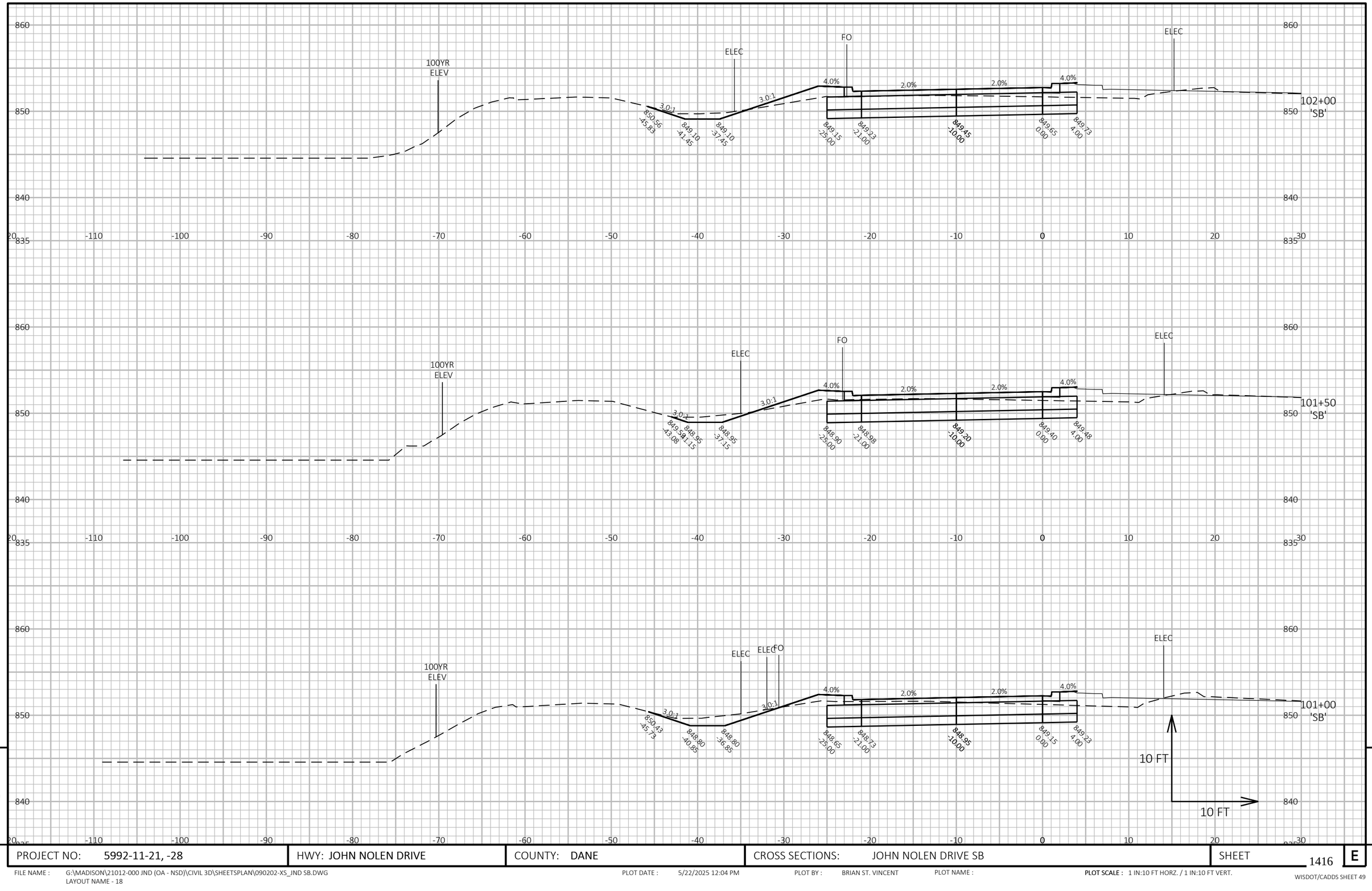


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1415	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 17

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

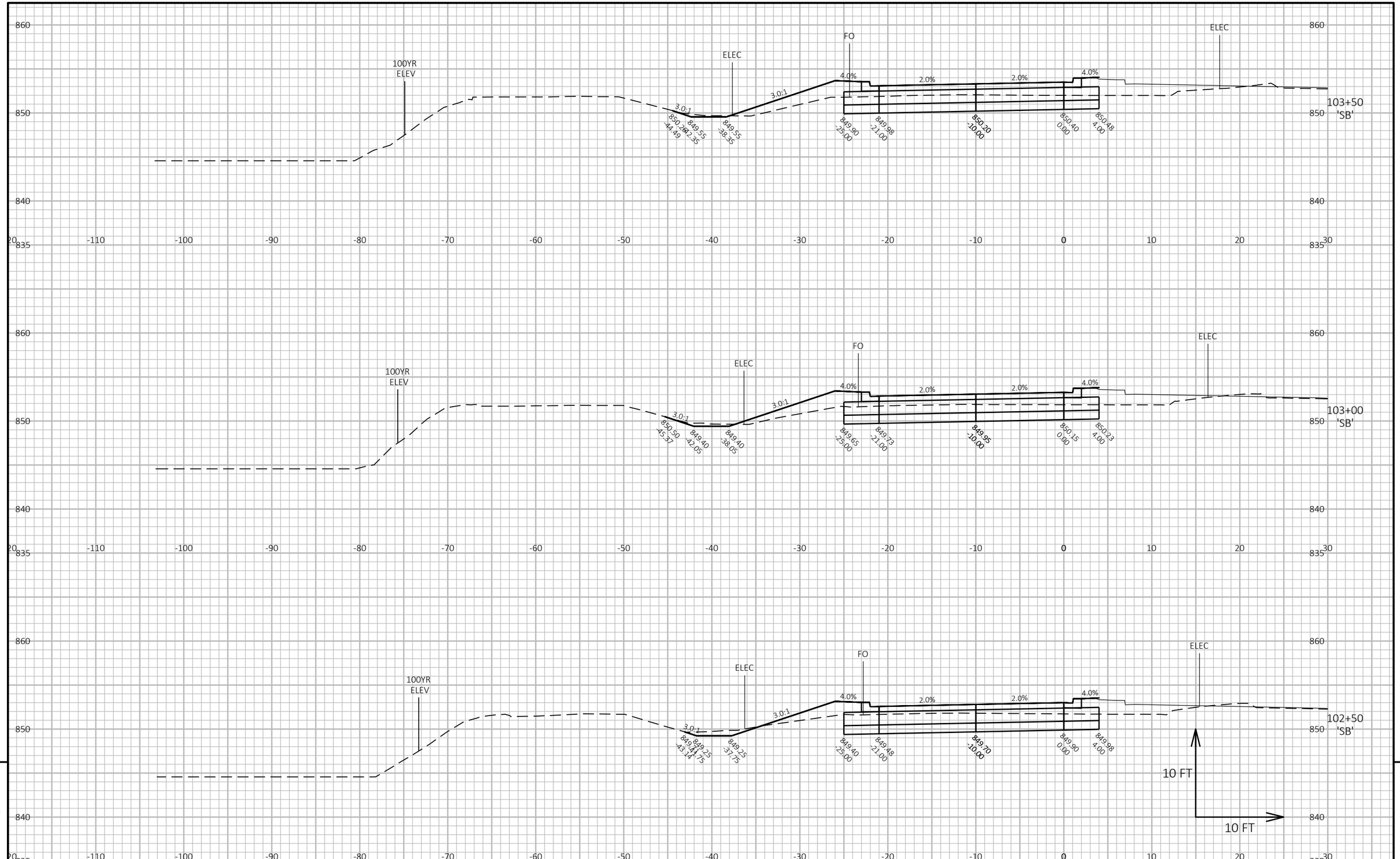


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1416 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 18

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

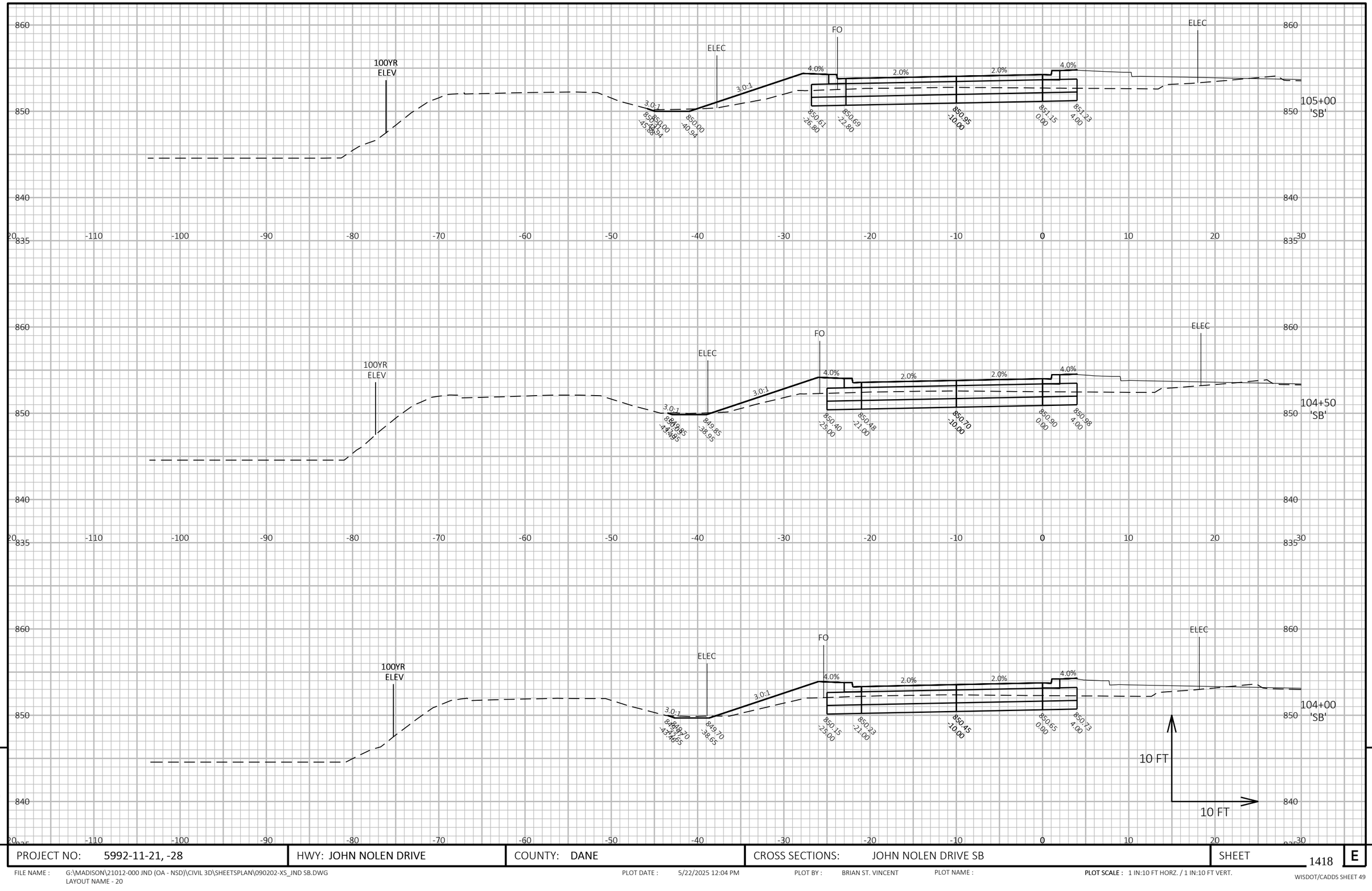


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1417	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 19

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



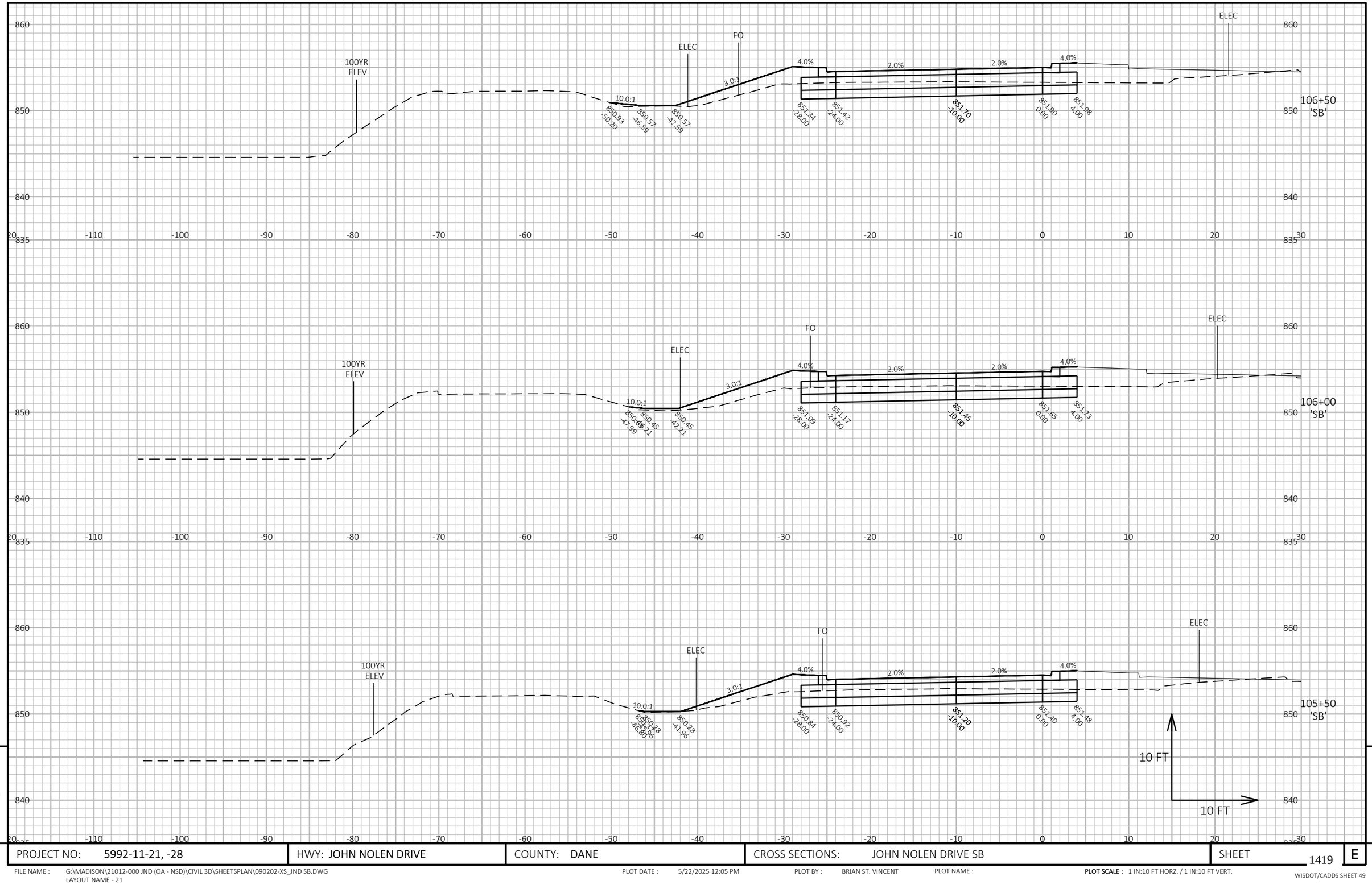
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1418	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 20

PLOT DATE : 5/22/2025 12:04 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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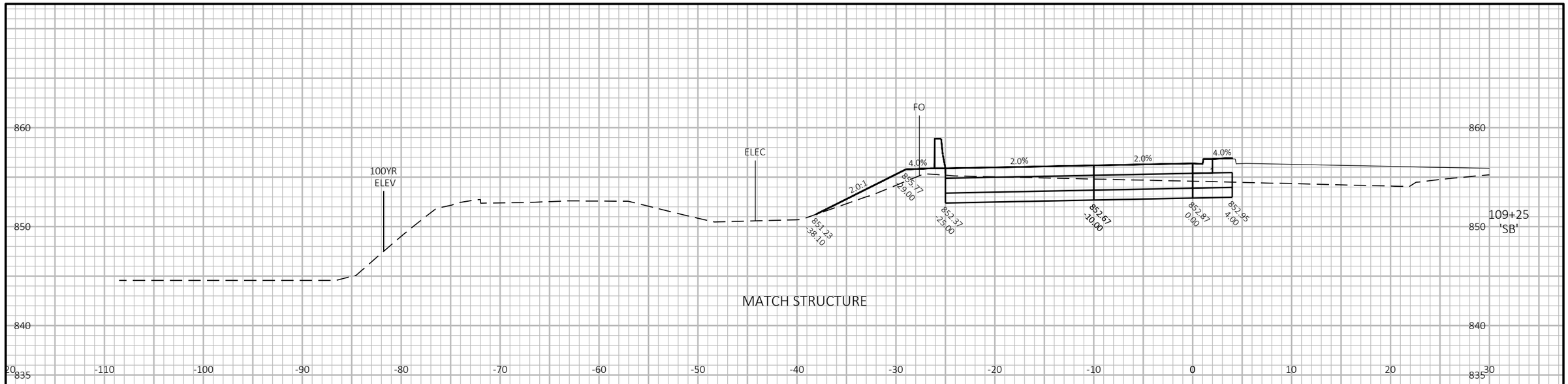
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1419	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 21

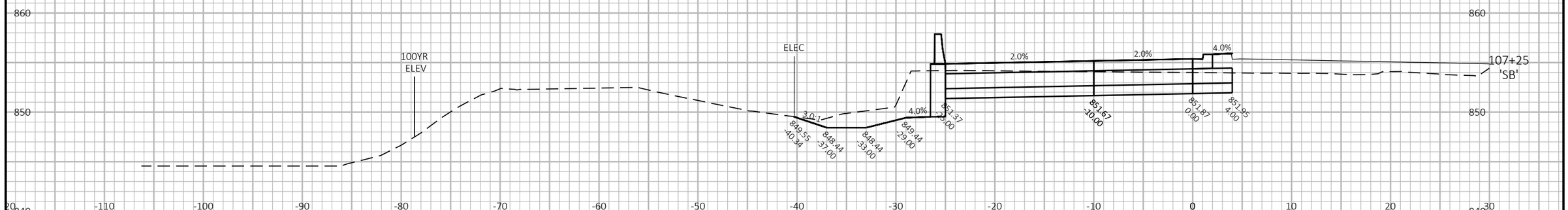
PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

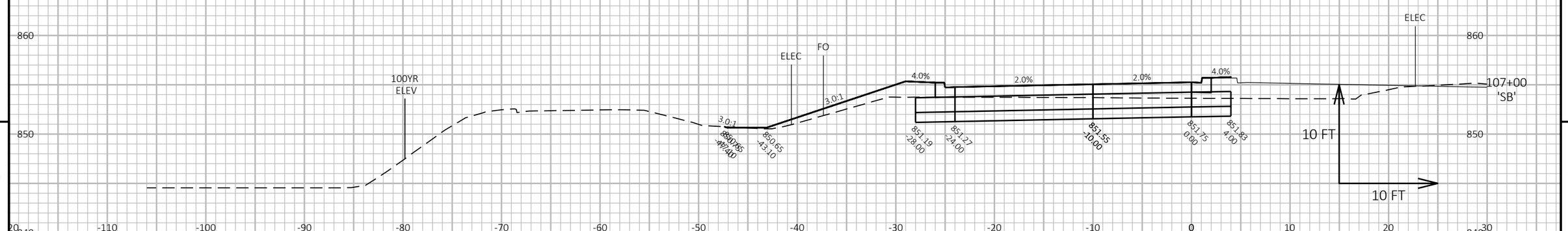
WISDOT/CADDS SHEET 49



MATCH STRUCTURE



MATCH STRUCTURE



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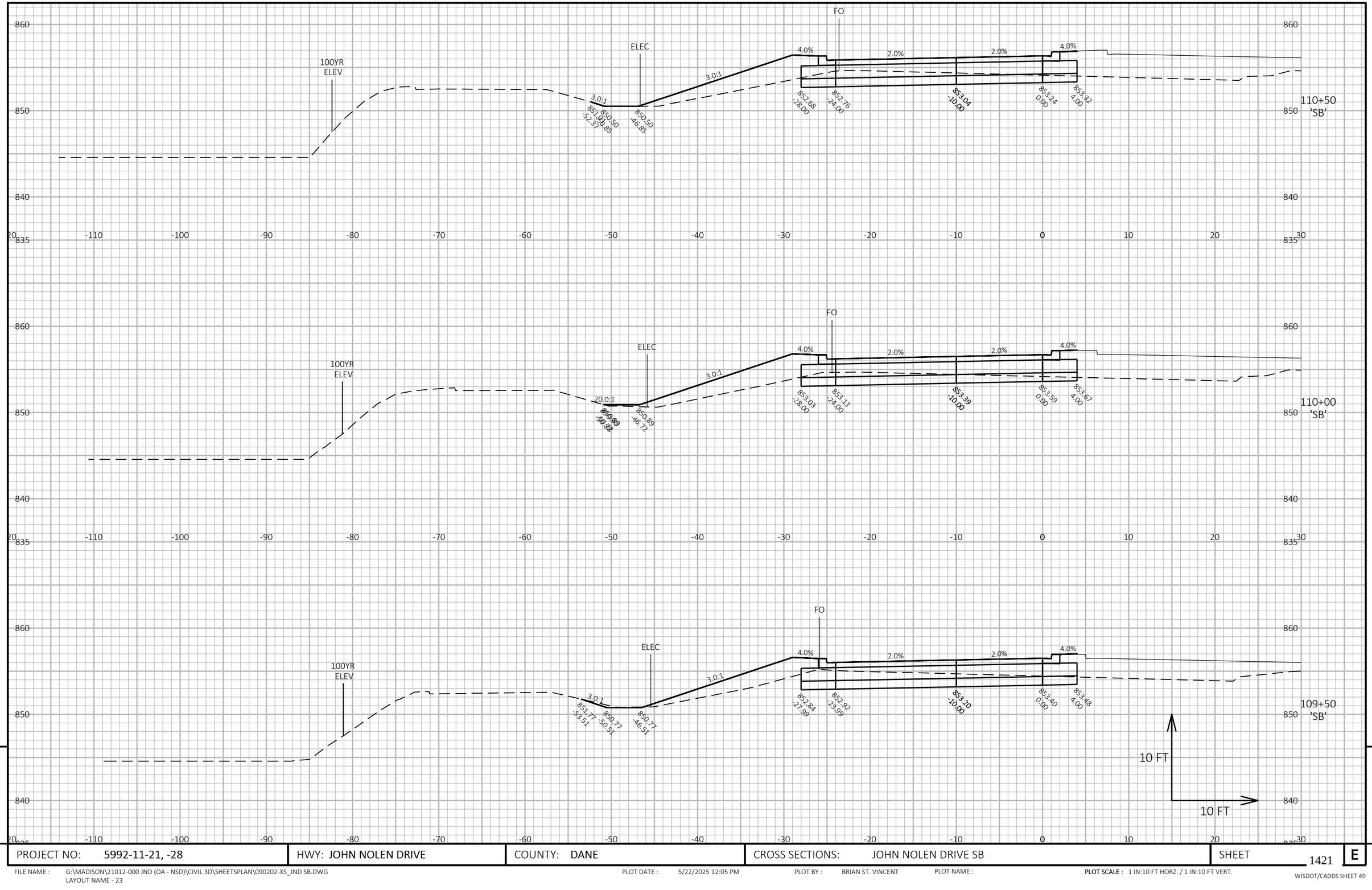
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1420	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 22

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

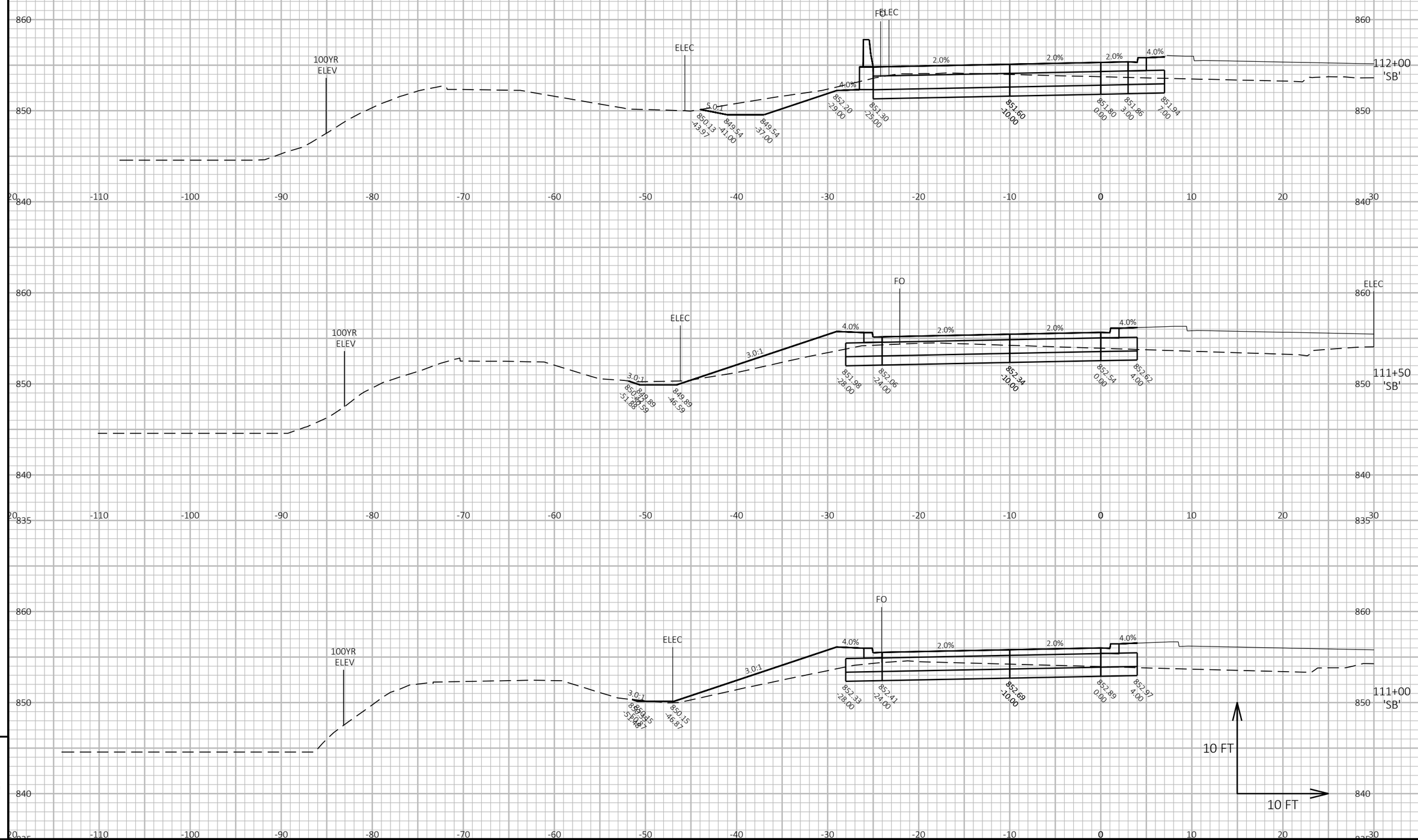
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1421	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 23

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

MATCH STRUCTURE

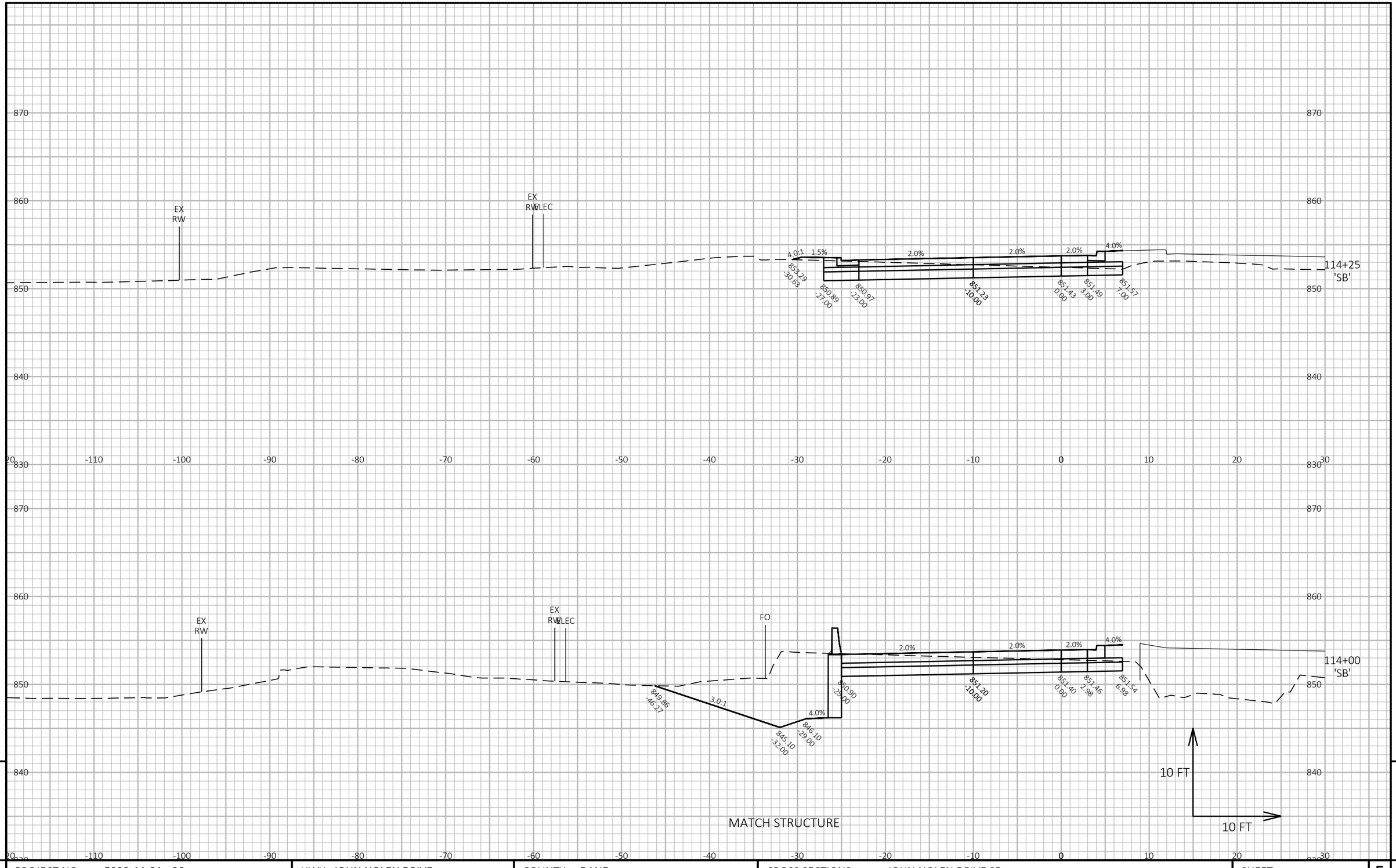


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1422 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 24

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

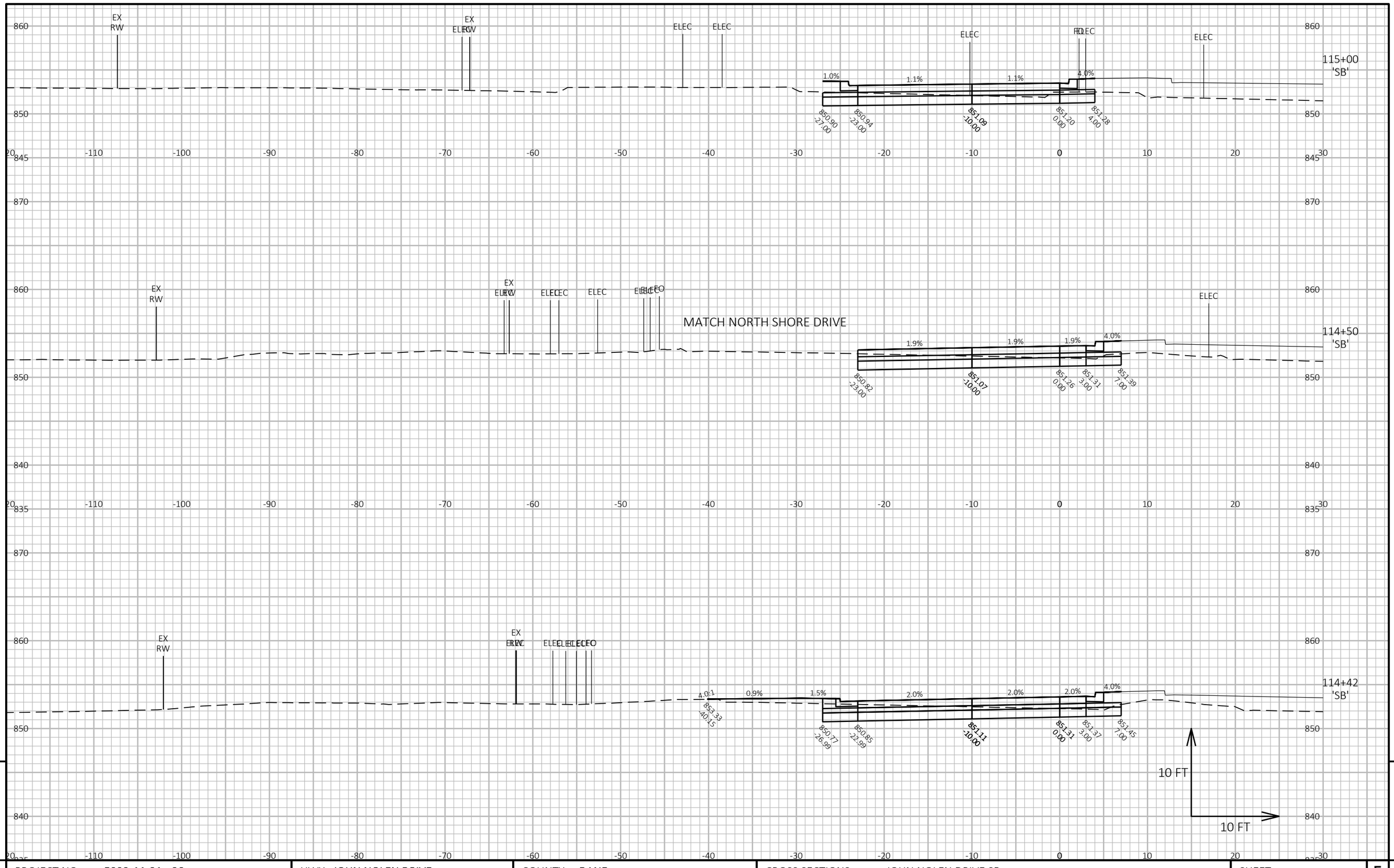


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1423	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 25

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



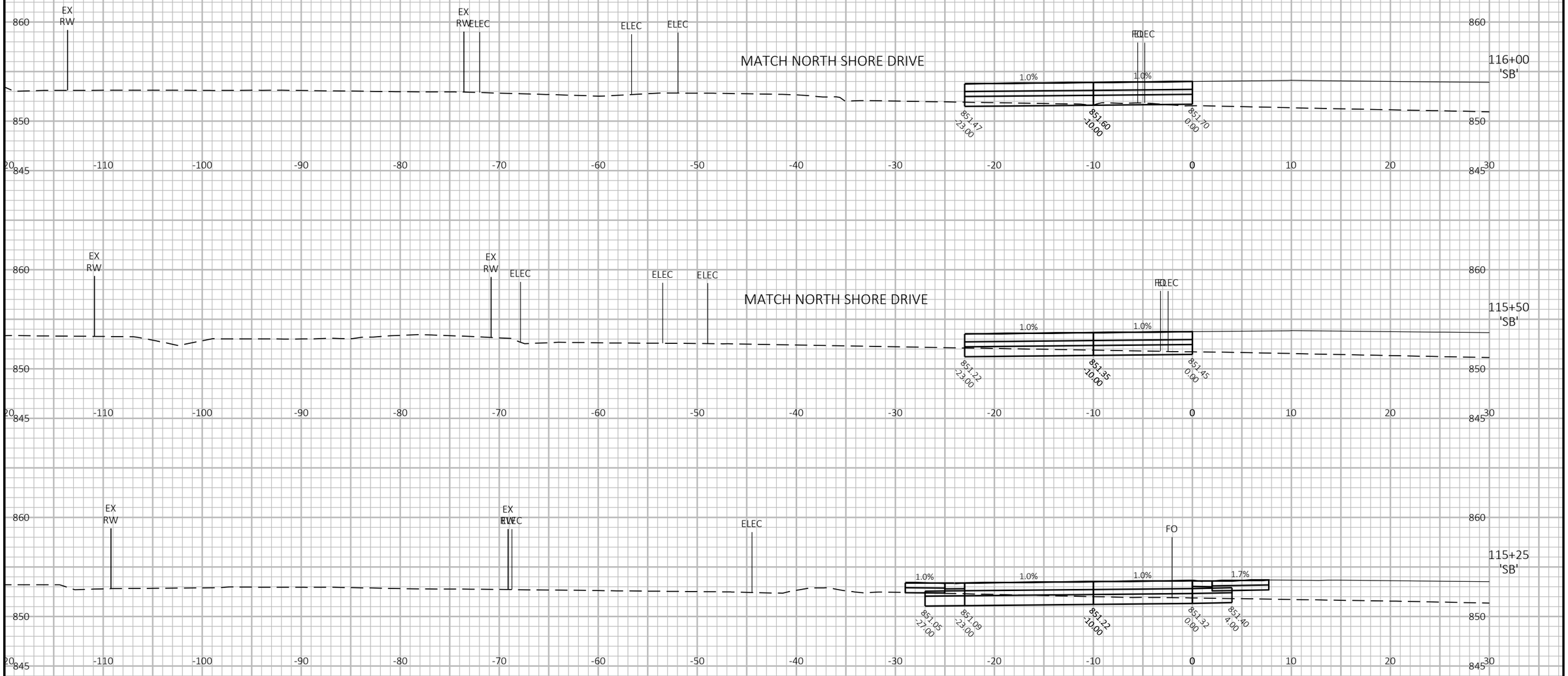
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1424	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 26

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1425	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 27

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

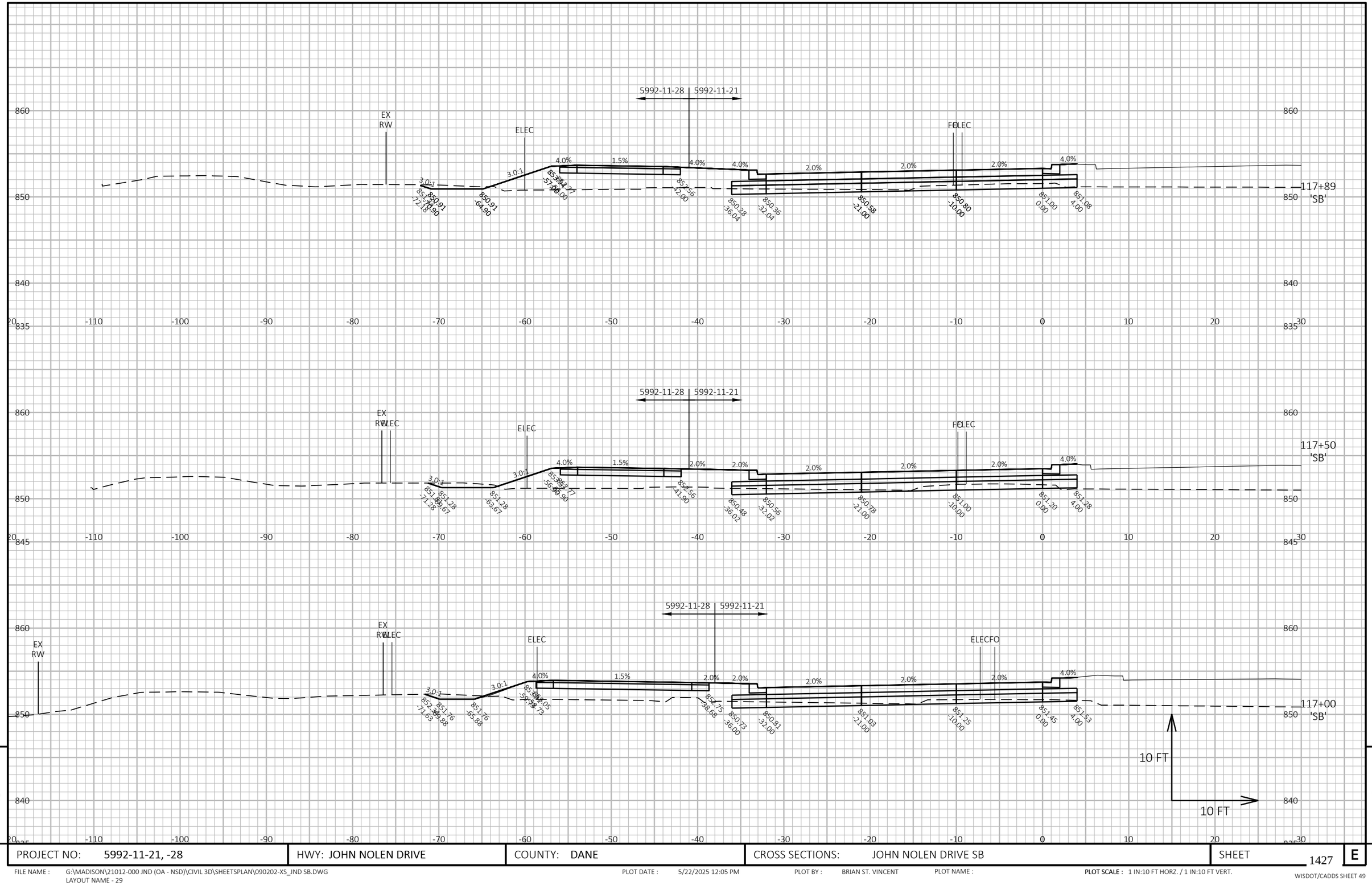
WISDOT/CADDS SHEET 49

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1426	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 28

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1427	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 29

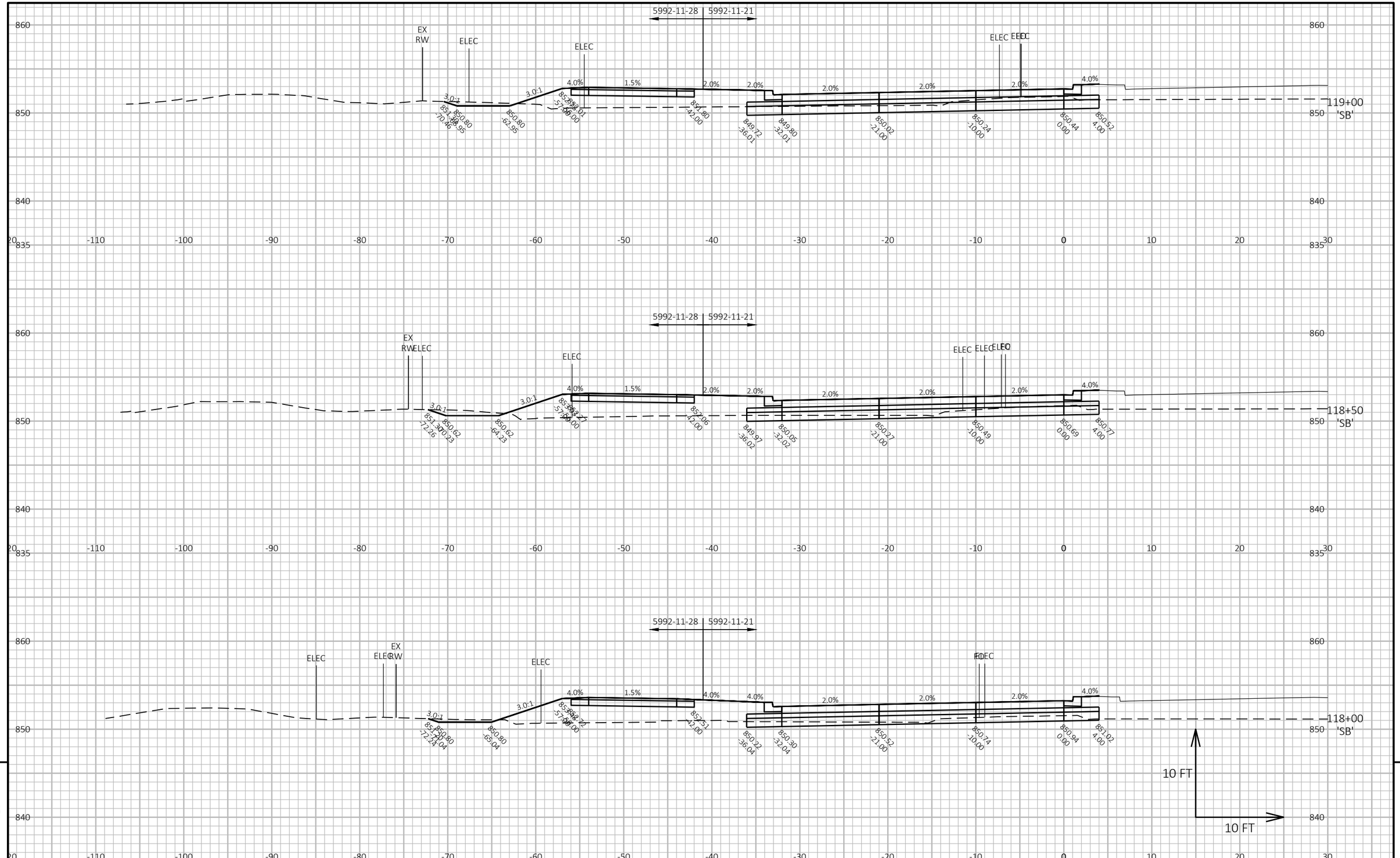
PLOT DATE : 5/22/2025 12:05 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

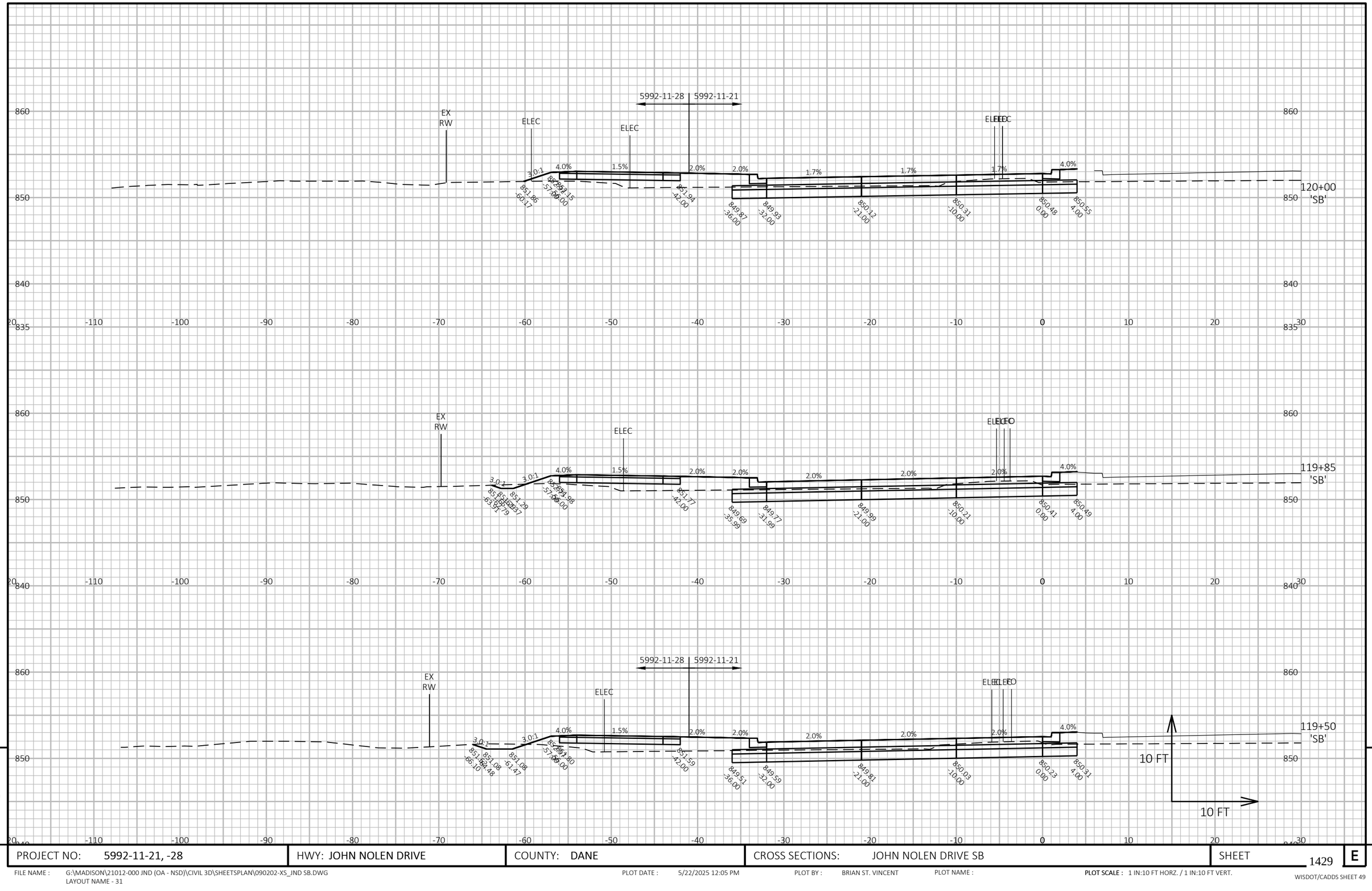


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1428	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 30

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

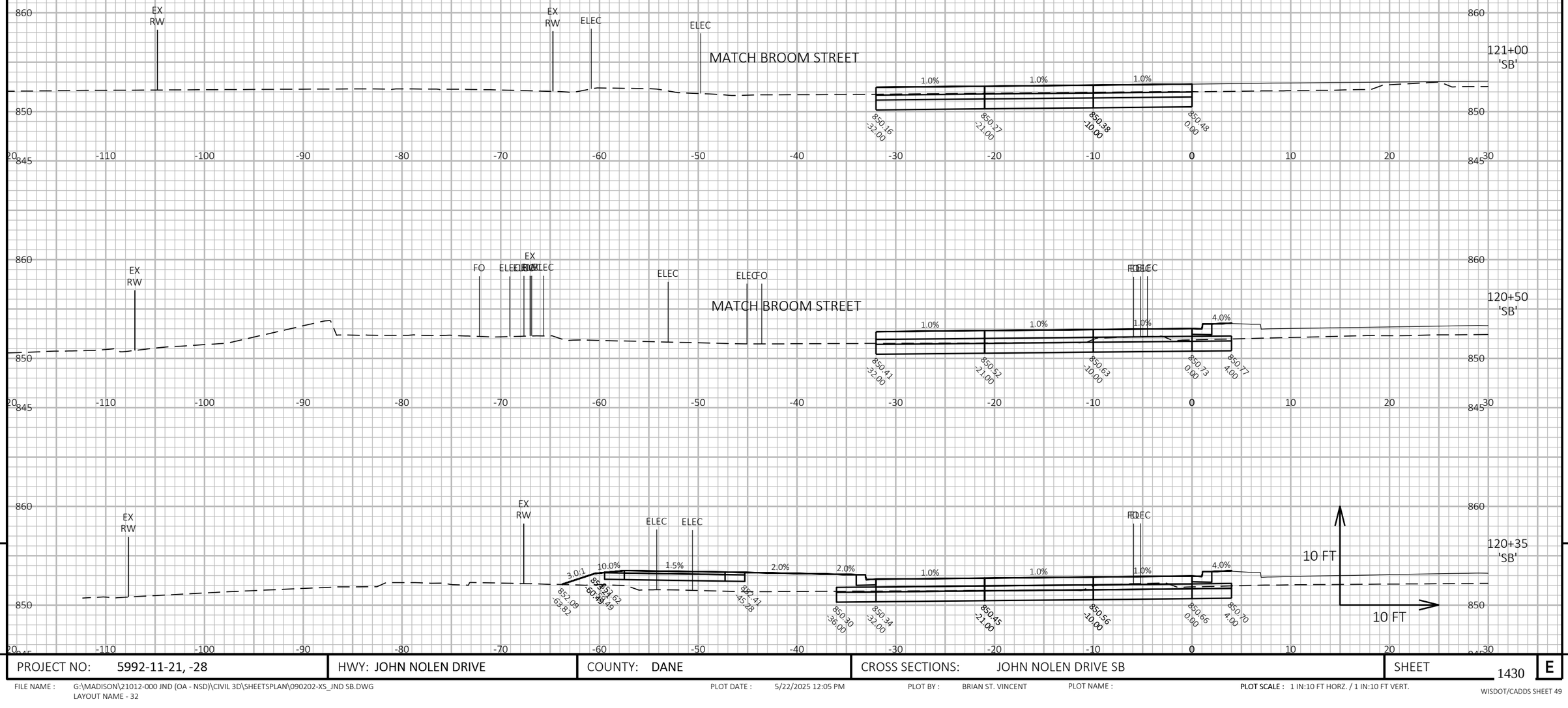


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1429	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 31

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1430	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 32

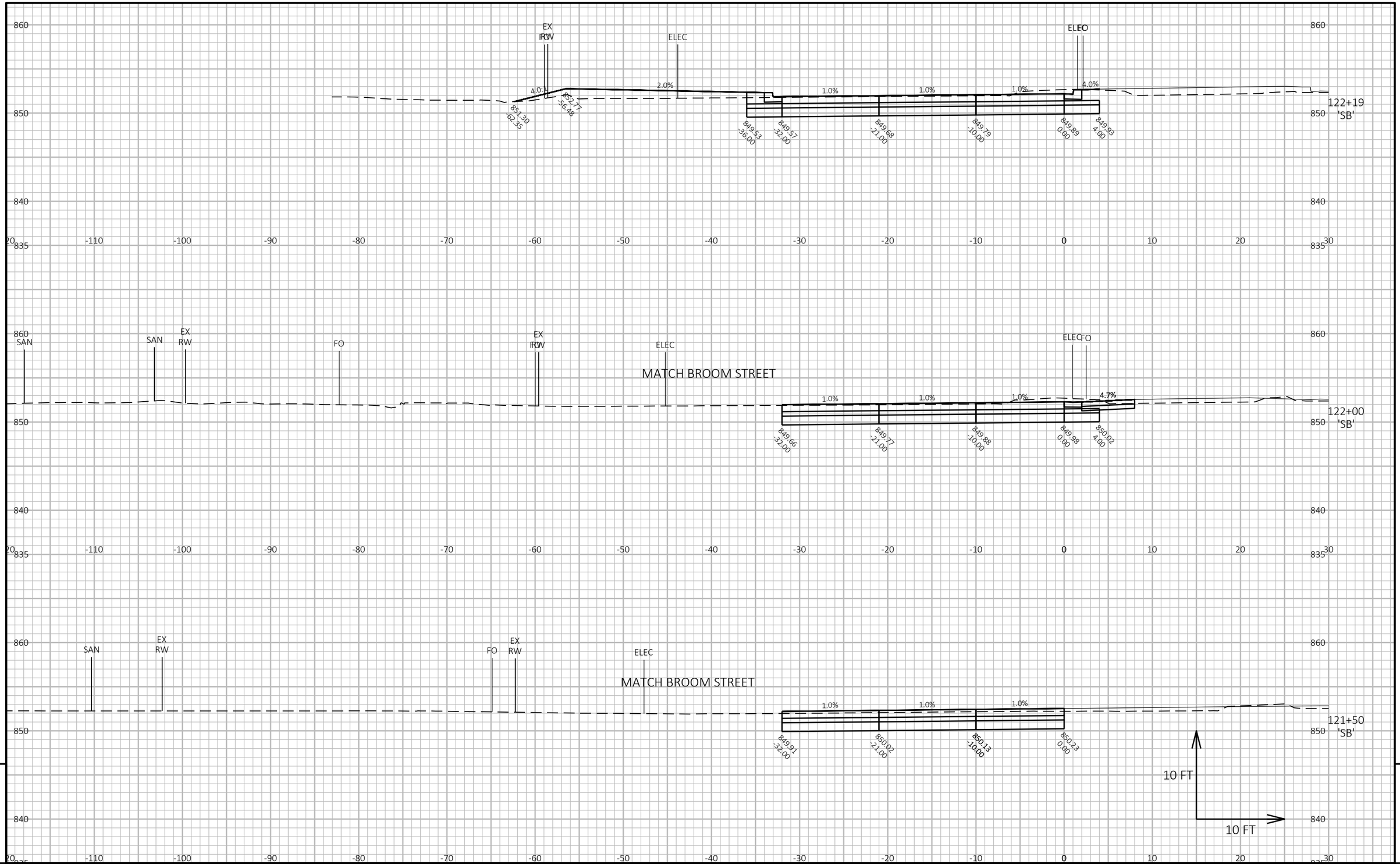
PLOT DATE : 5/22/2025 12:05 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

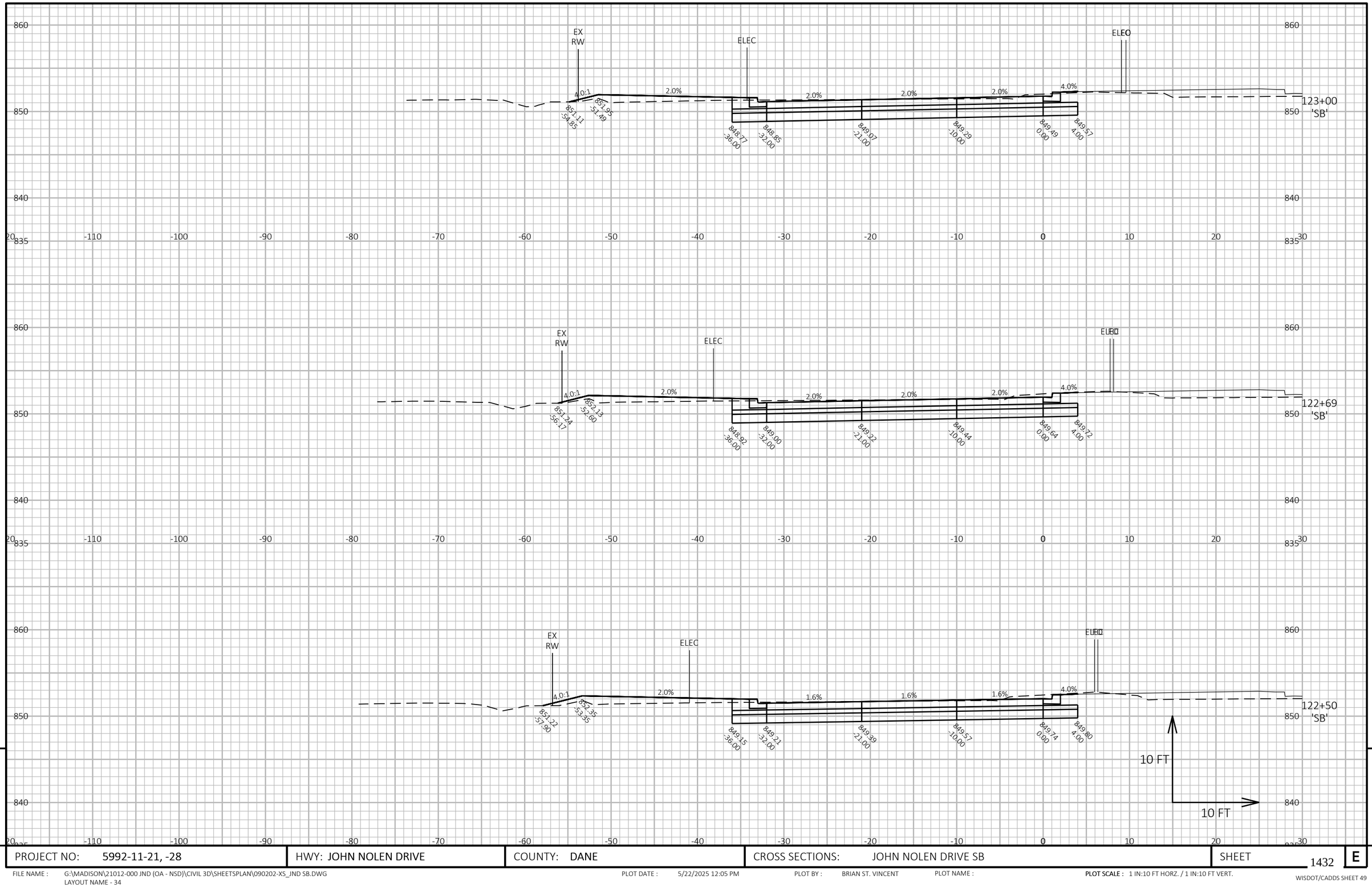


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1431	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 33

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1432	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 34

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

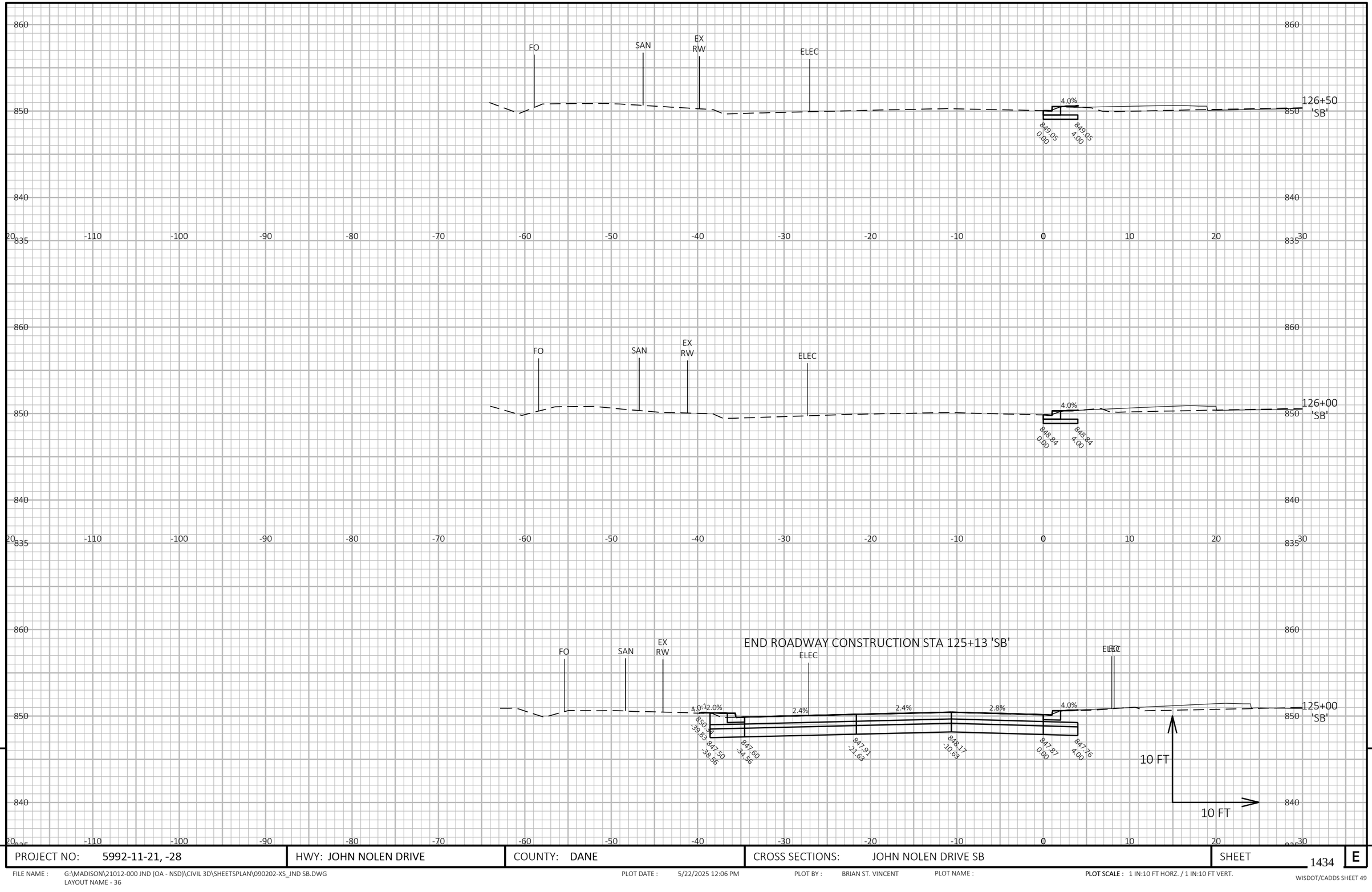
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1433	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 35

PLOT DATE : 5/22/2025 12:05 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



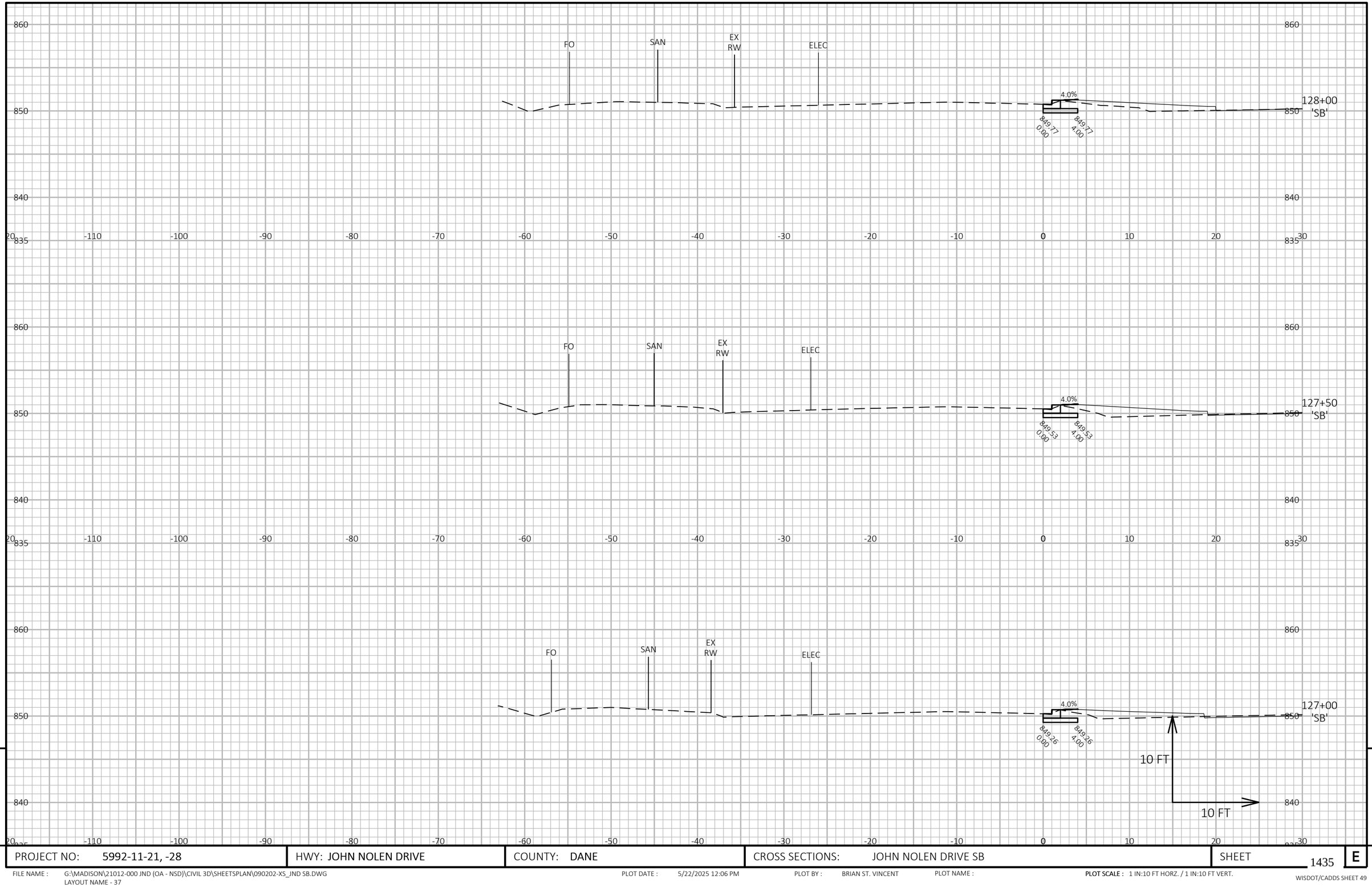
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1434	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 36

PLOT DATE : 5/22/2025 12:06 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

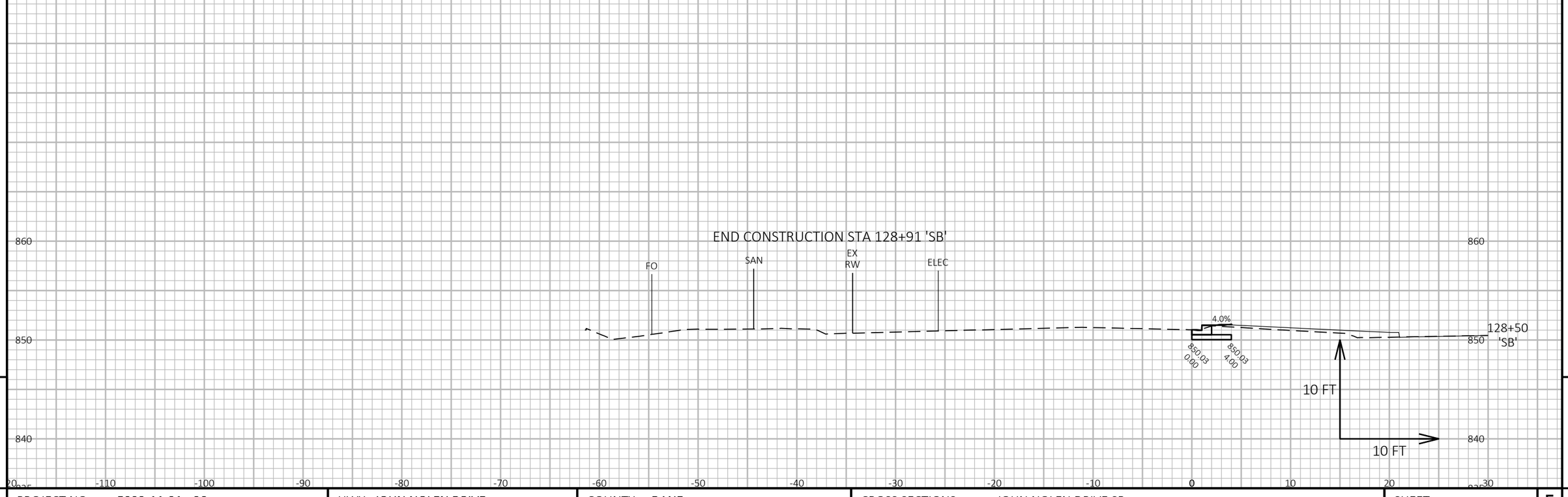
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1435	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 37

PLOT DATE : 5/22/2025 12:06 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 128+91 'SB'



9

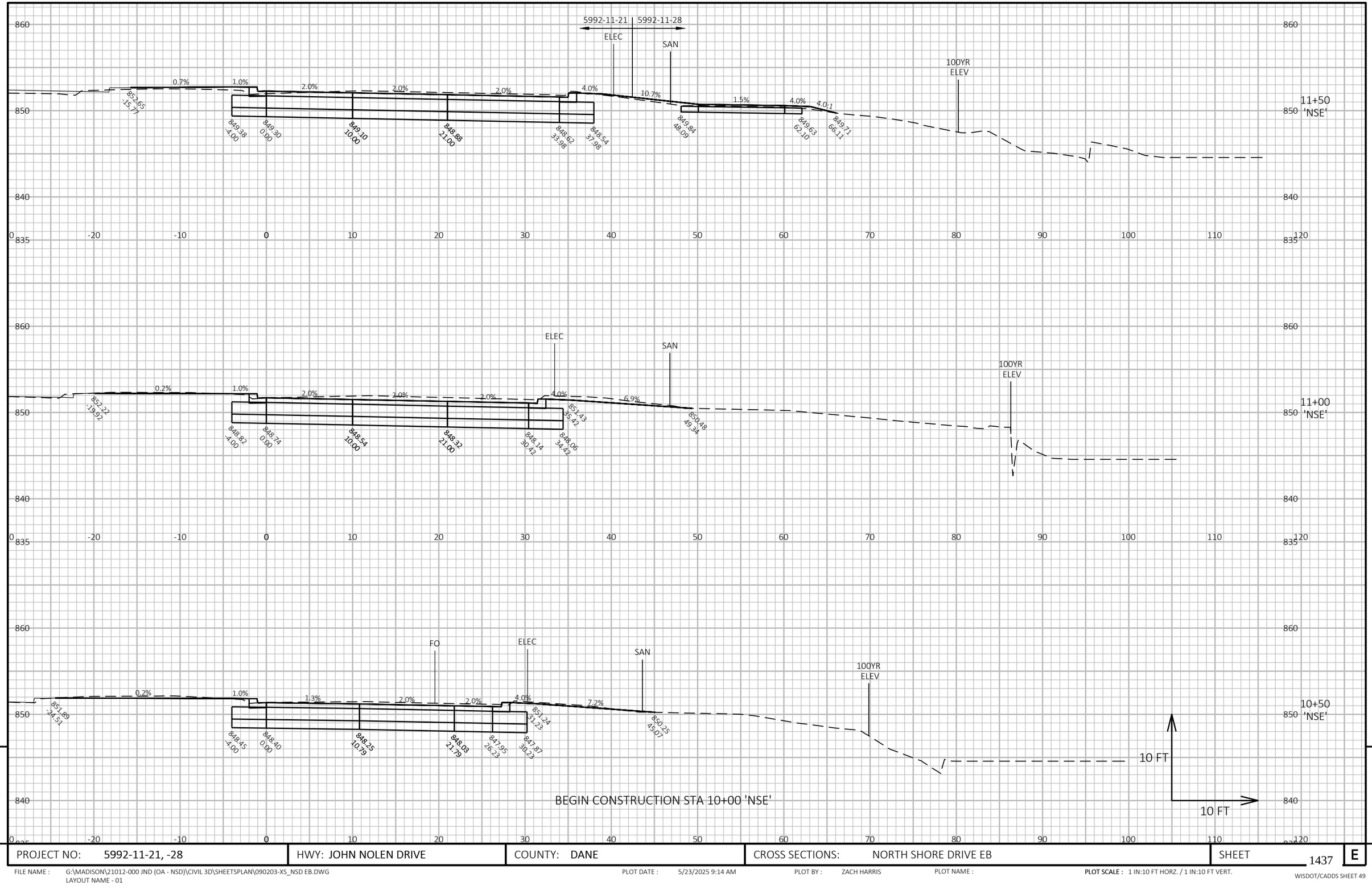
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: JOHN NOLEN DRIVE SB	SHEET 1436	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090202-XS_JND SB.DWG
LAYOUT NAME - 38

PLOT DATE : 5/22/2025 12:06 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE EB	SHEET 1437	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090203-XS_NSD EB.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 9:14 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE EB	SHEET 1438	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090203-XS_NSD EB.DWG
LAYOUT NAME - 02

PLOT DATE : 5/23/2025 9:14 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 14+17 'NSE'

14+00 'NSE'

13+50 'NSE'

5992-11-21 5992-11-28

10 FT

10 FT

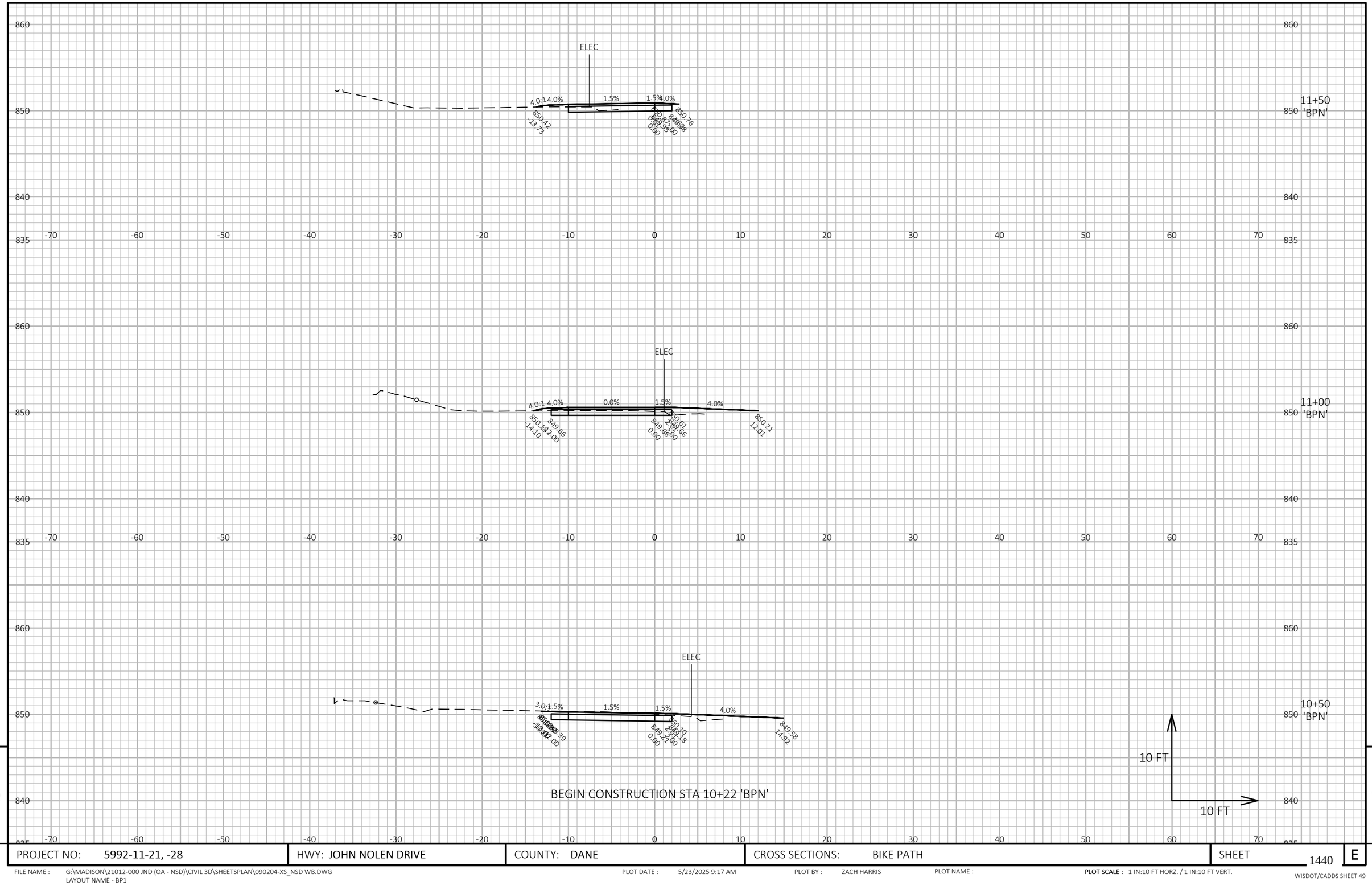
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE EB	SHEET 1439	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090203-XS_NSD EB.DWG
LAYOUT NAME - 03

PLOT DATE : 5/23/2025 9:14 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



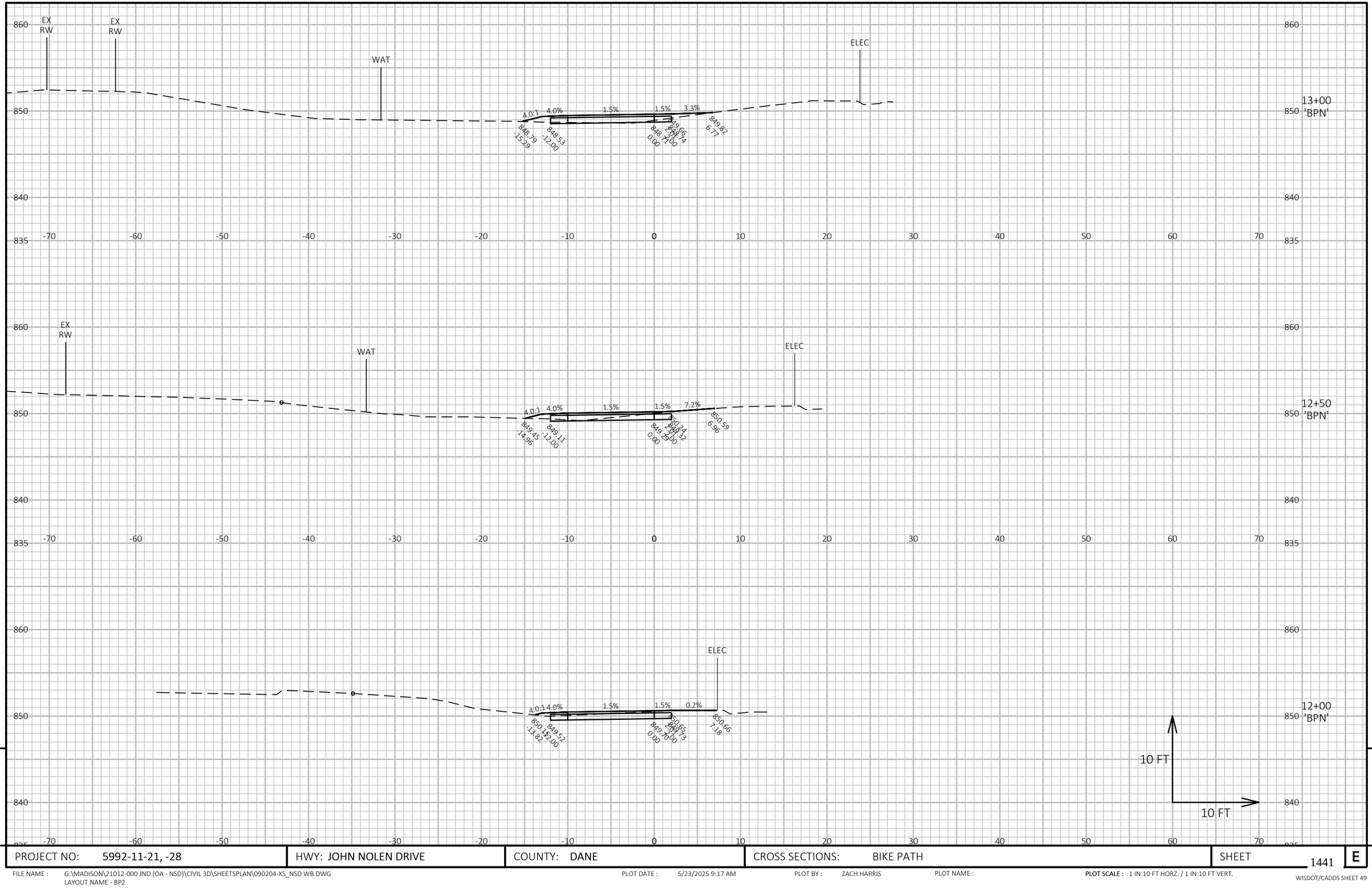
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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BIKE PATH	SHEET 1440	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - BP1

PLOT DATE : 5/23/2025 9:17 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

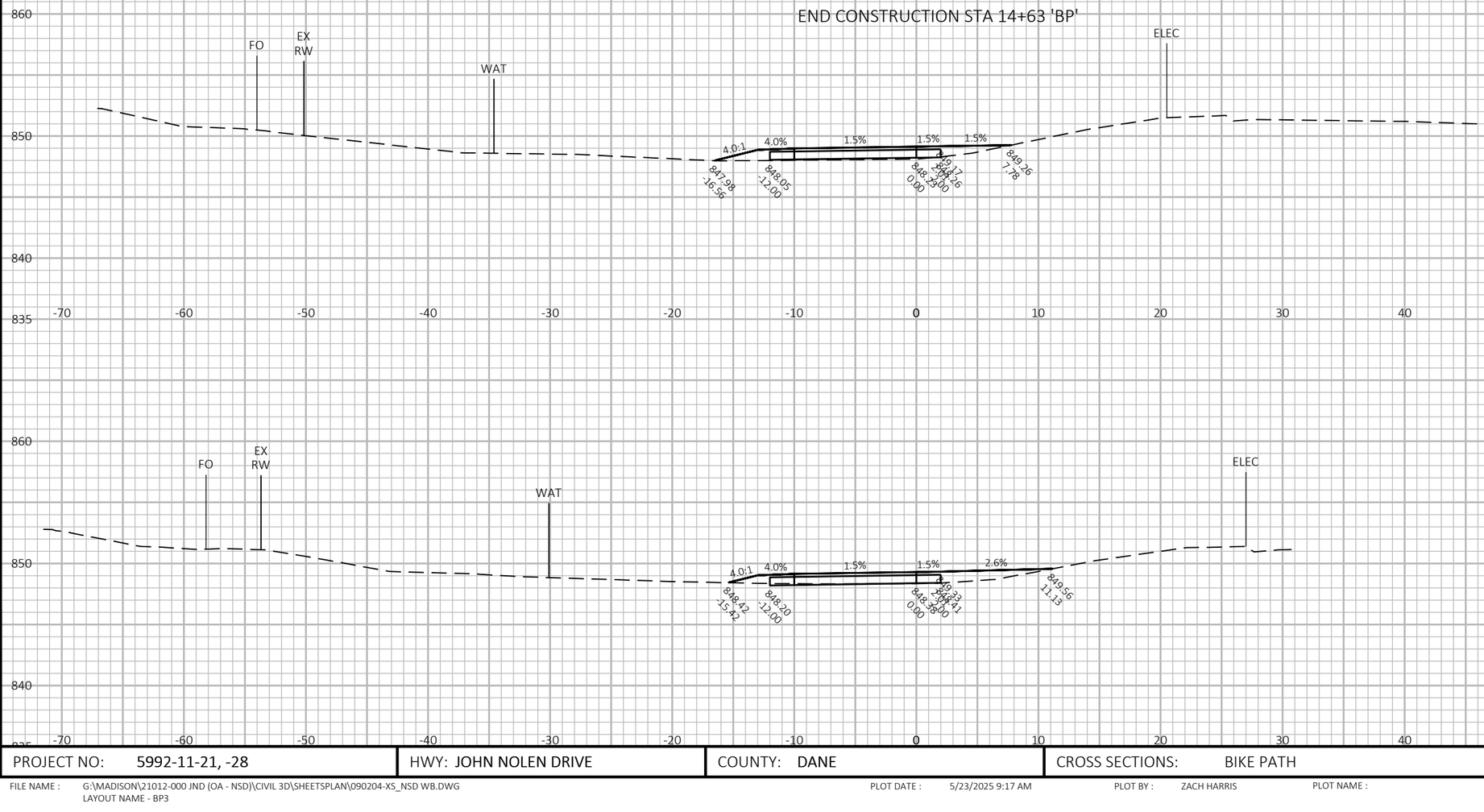
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BIKE PATH	SHEET 1441	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - BP2

PLOT DATE : 5/23/2025 9:17 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

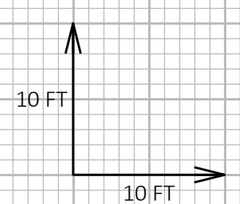
WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 14+63 'BP'



14+00
'BPN'

13+50
'BPN'



9

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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BIKE PATH	SHEET 1442	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - BP3

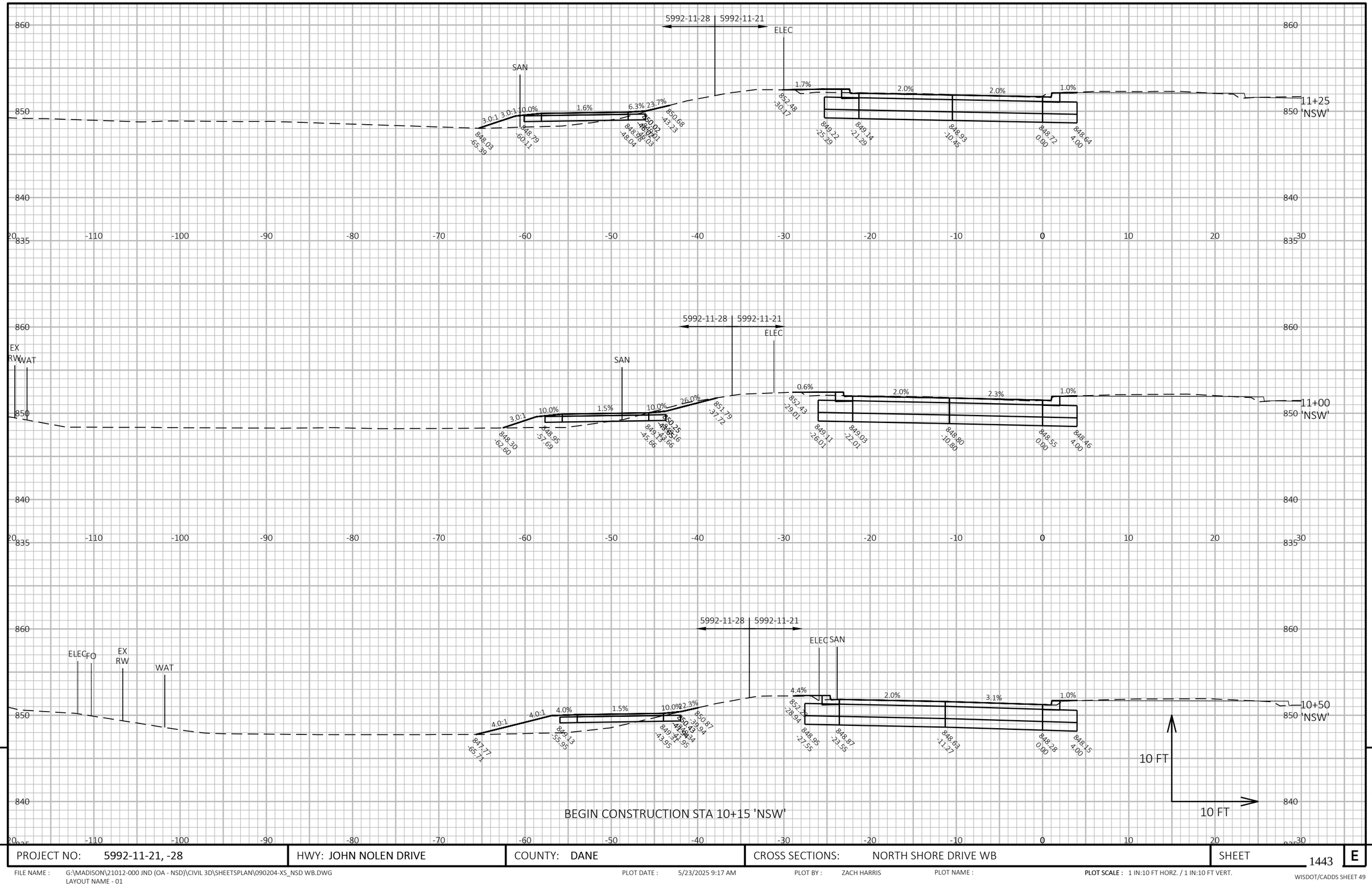
PLOT DATE : 5/23/2025 9:17 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE WB	SHEET 1443	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 9:17 AM

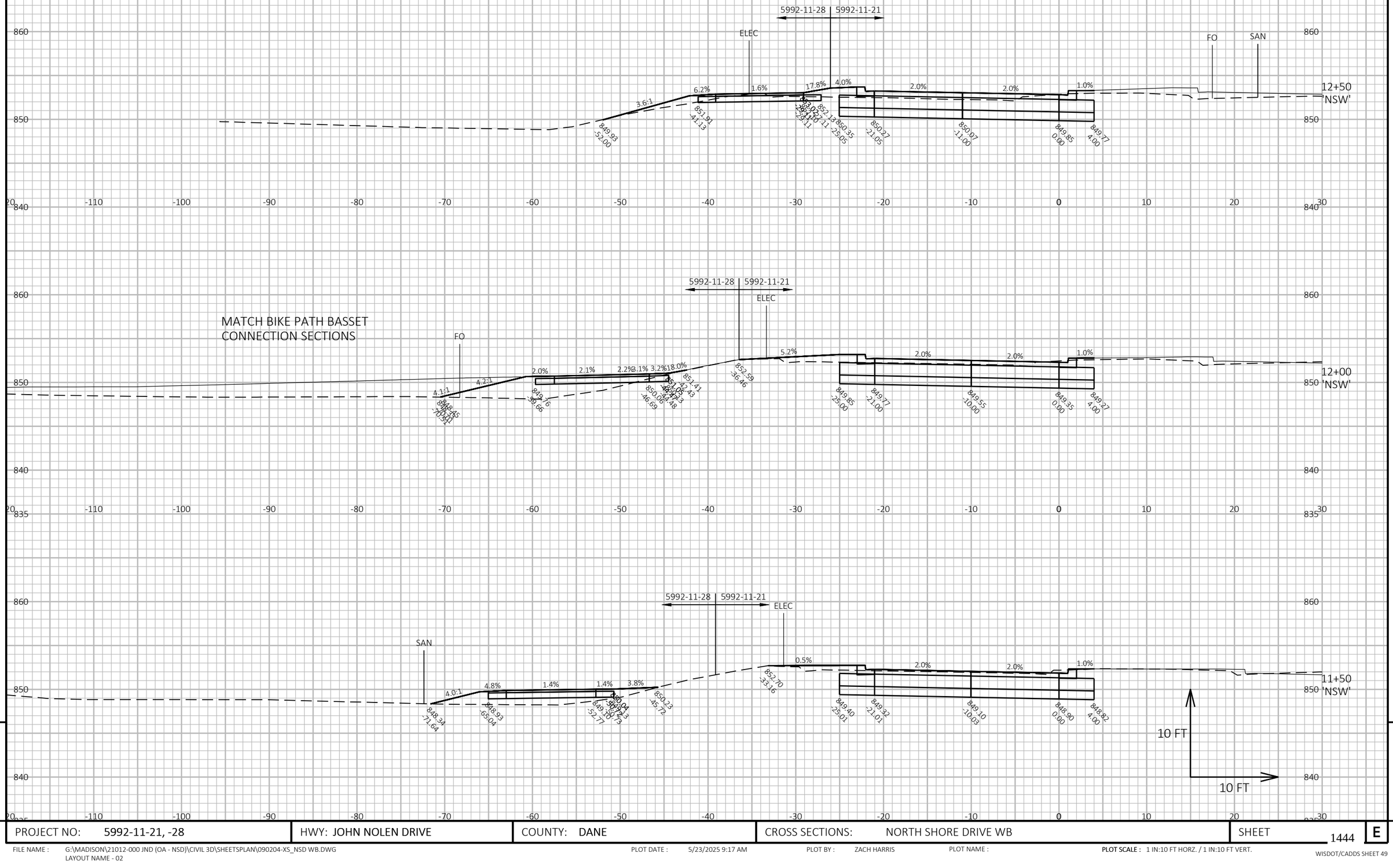
PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

MATCH BIKE PATH BASSET
CONNECTION SECTIONS



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE WB	SHEET 1444	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - 02

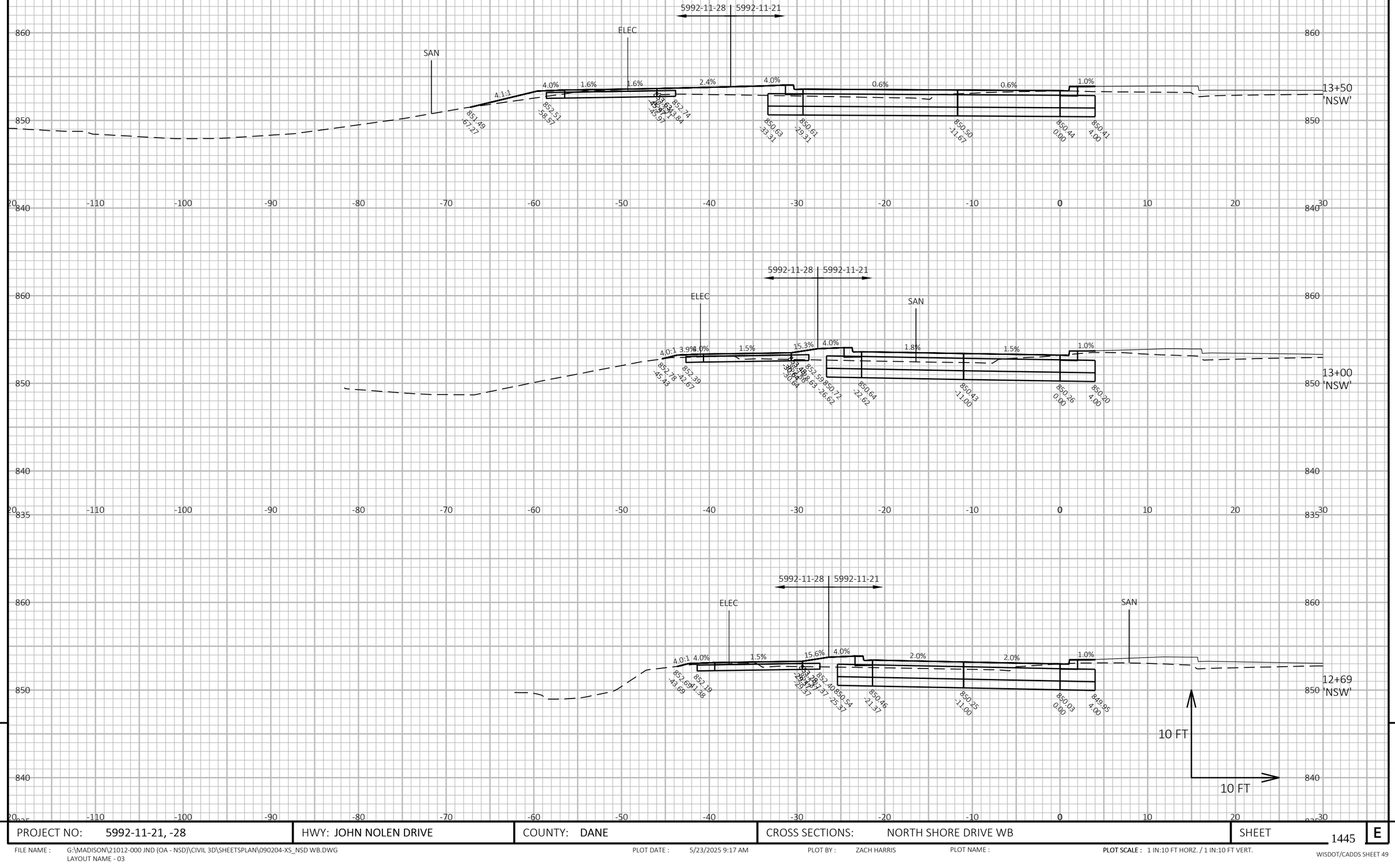
PLOT DATE : 5/23/2025 9:17 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE WB	SHEET 1445 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - 03

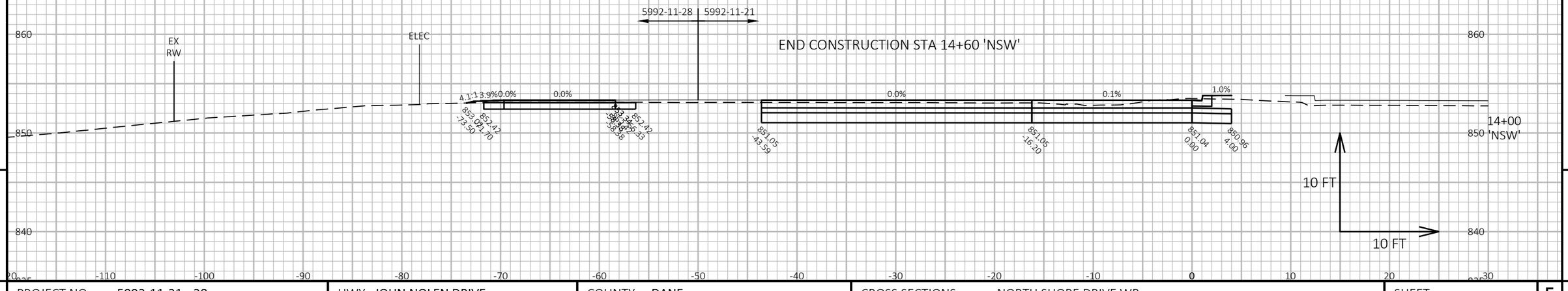
PLOT DATE : 5/23/2025 9:17 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: NORTH SHORE DRIVE WB	SHEET 1446	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090204-XS_NSD WB.DWG
LAYOUT NAME - 04

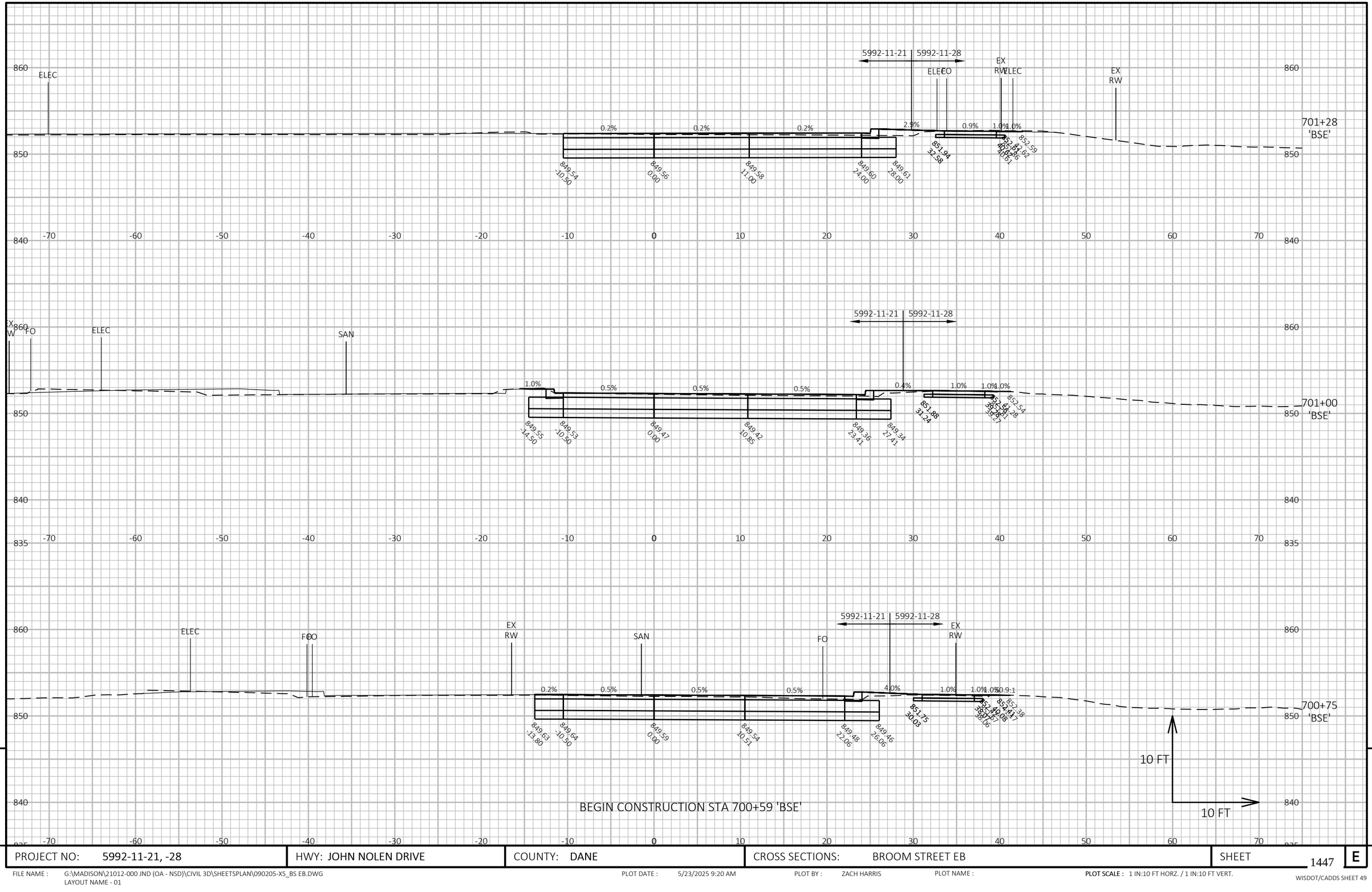
PLOT DATE : 5/23/2025 9:17 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BROOM STREET EB	SHEET 1447	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090205-XS_BS EB.DWG
LAYOUT NAME - 01

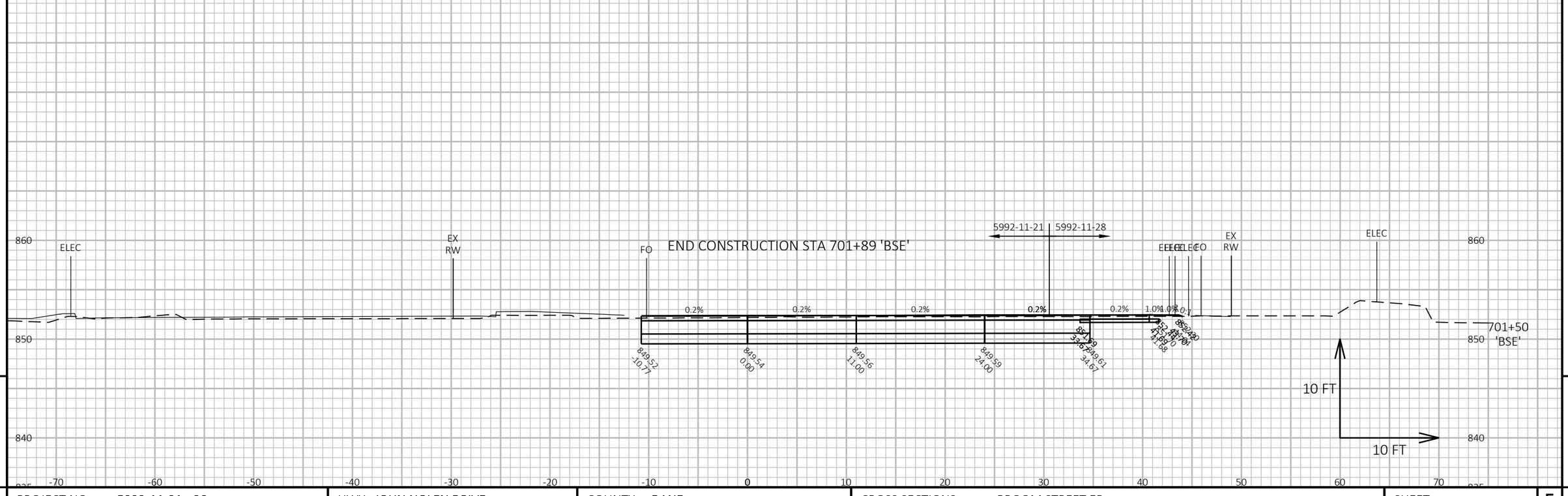
PLOT DATE : 5/23/2025 9:20 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BROOM STREET EB	SHEET 1448	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090205-XS_BS EB.DWG
LAYOUT NAME - 02

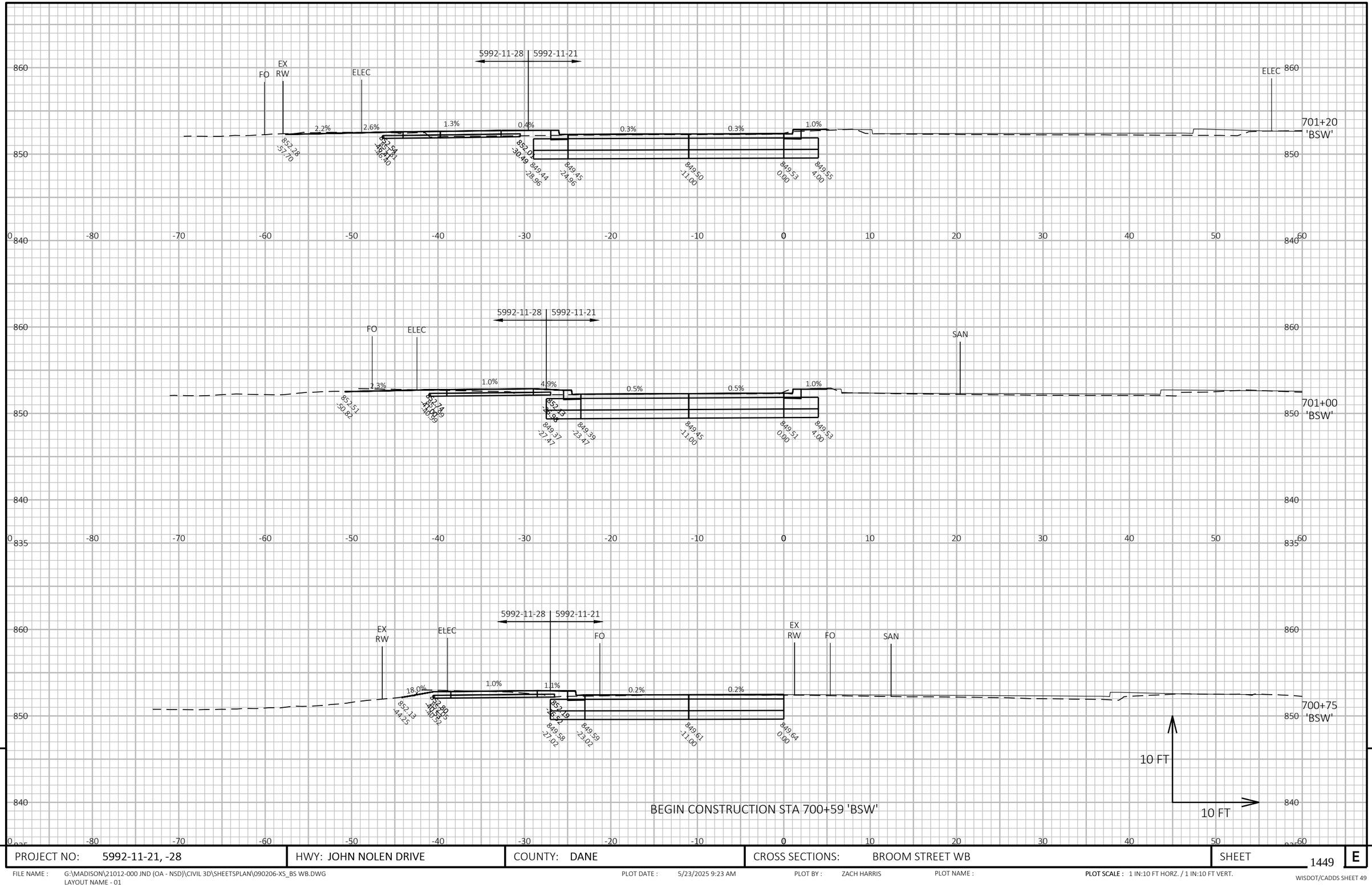
PLOT DATE : 5/23/2025 9:20 AM

PLOT BY : ZACH HARRIS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



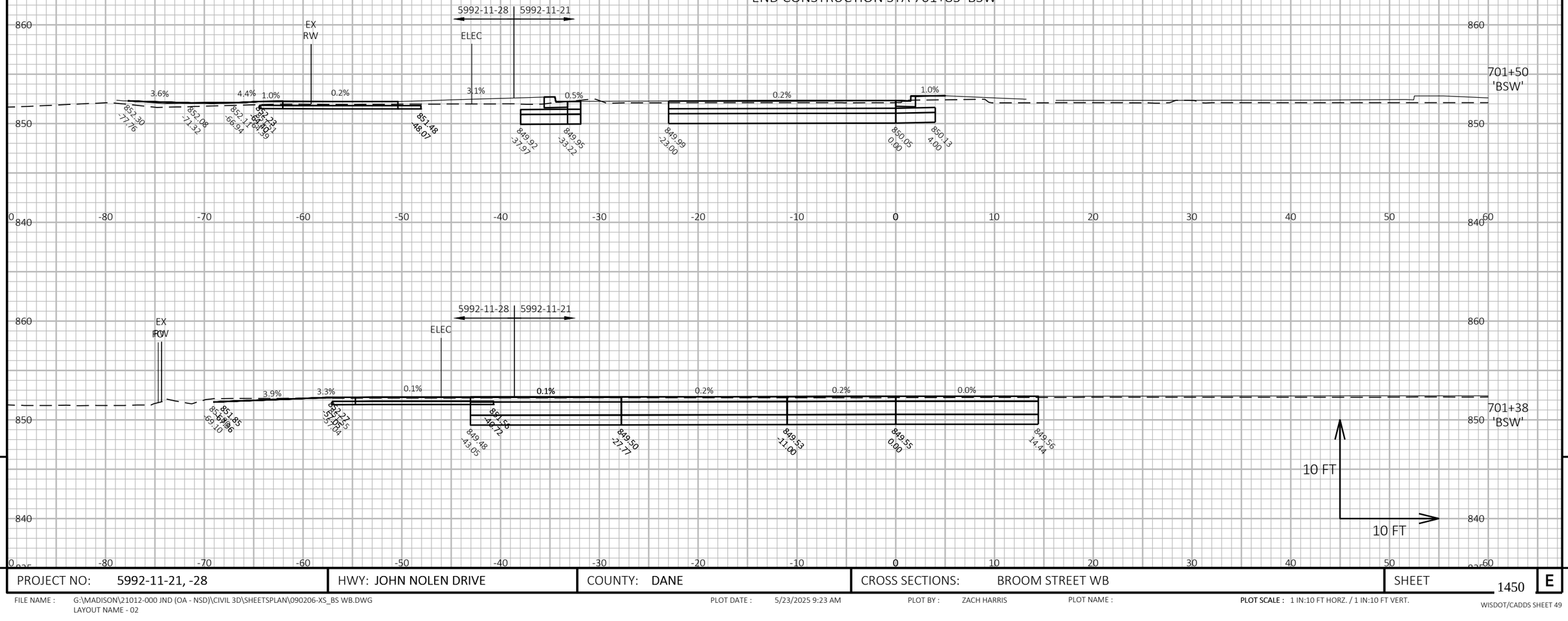
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BROOM STREET WB	SHEET 1449	E

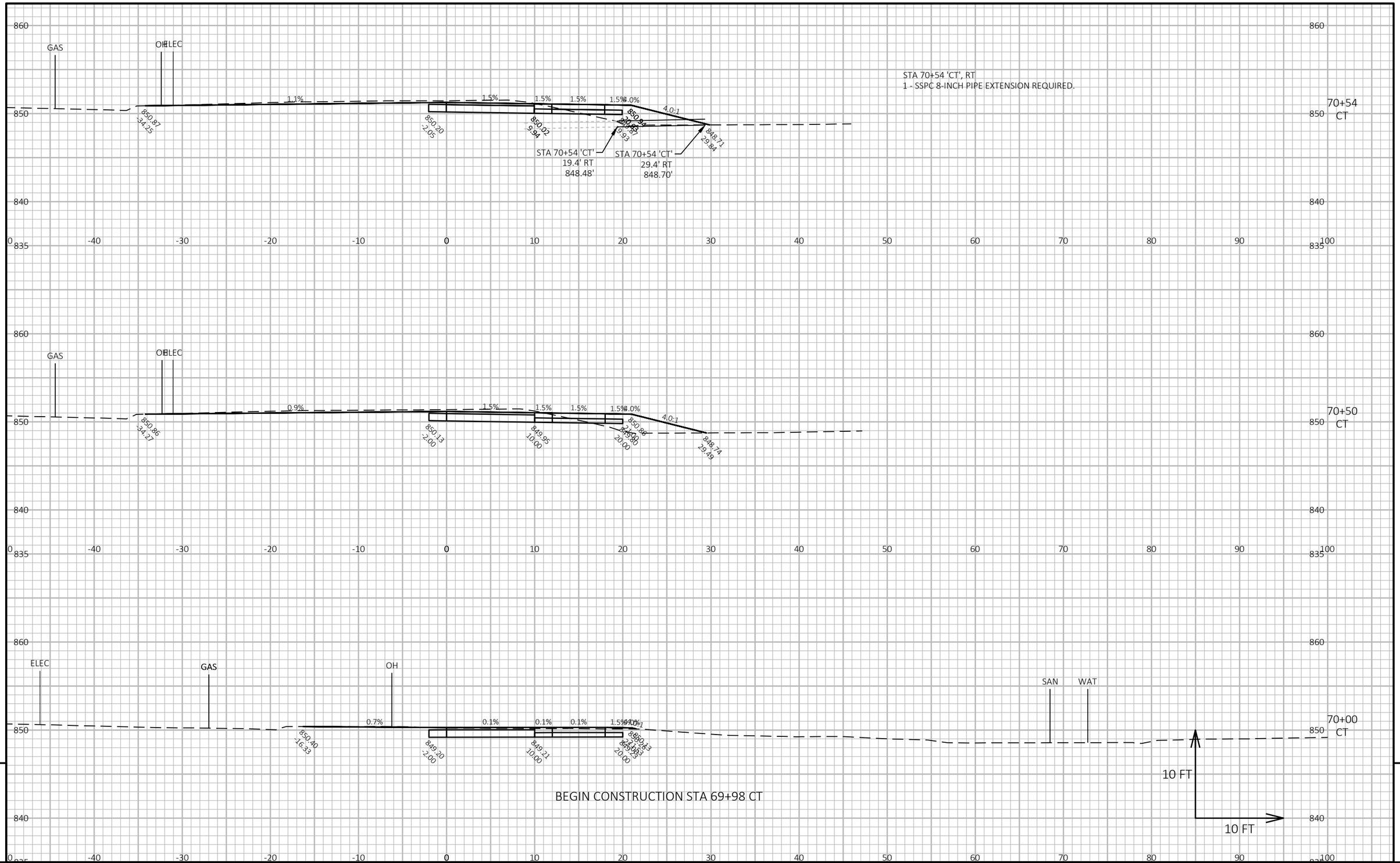
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090206-XS_BS WB.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 9:23 AM PLOT BY : ZACH HARRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 701+83 'BSW'


5992-11-28
5992-11-21
EX RW
ELEC
3.6%
4.4%
1.0%
0.2%
3.1%
0.5%
0.2%
1.0%
852.30 -77.76
852.08 -71.32
852.41 -56.94
852.23 -41.01
852.31 -24.99
852.39 -8.99
851.48 49.07
849.92 -37.97
849.95 -35.22
849.99 -23.00
850.05 0.00
850.13 4.00
701+50 'BSW'
860
850
840
-80
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
5992-11-28
5992-11-21
EX ROW
ELEC
3.9%
3.3%
0.1%
0.1%
0.2%
0.2%
0.0%
851.85 -69.10
851.96 -55.65
852.27 -55.65
852.05 -55.65
852.05 -55.65
852.05



9

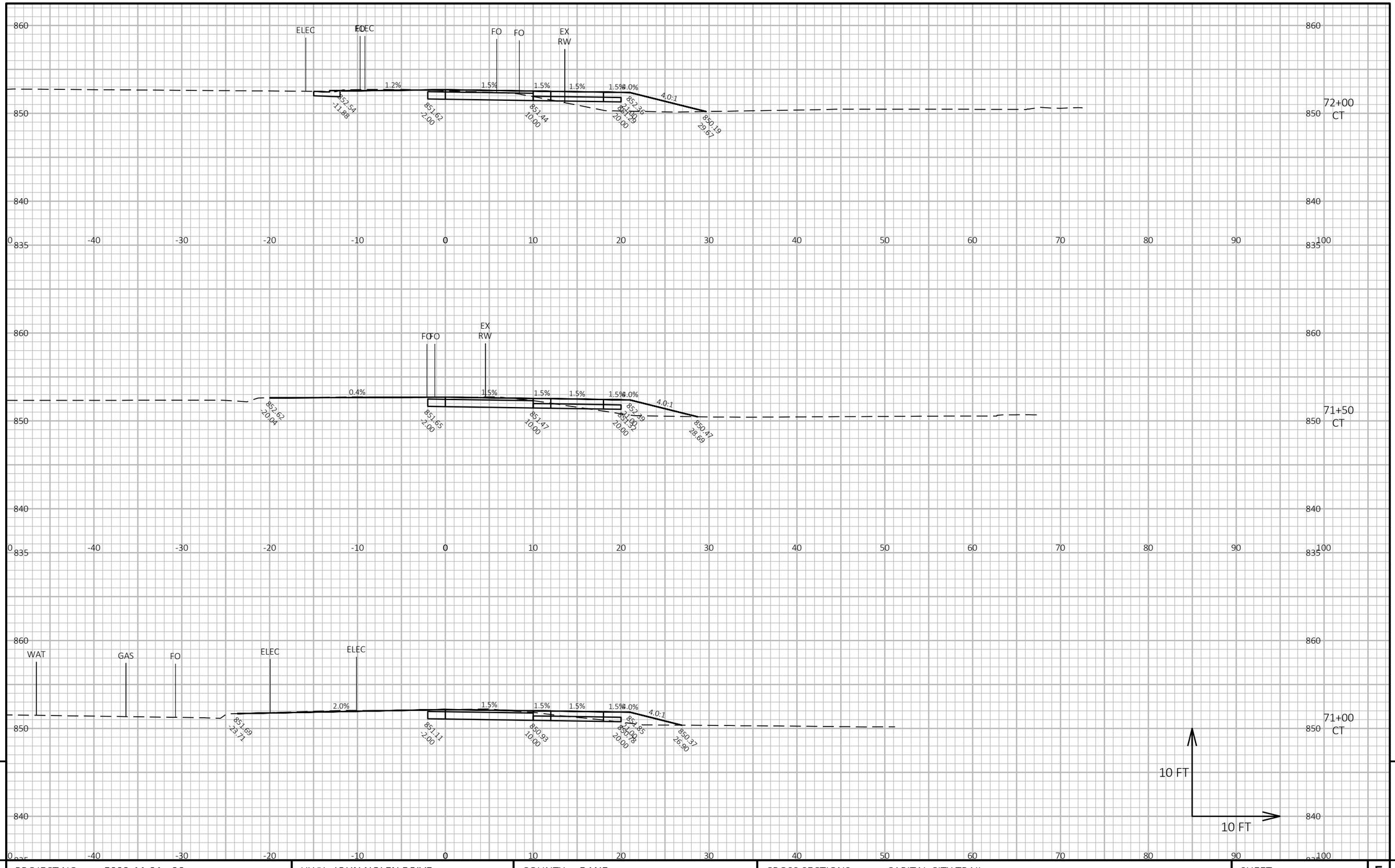
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1451	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT1

PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



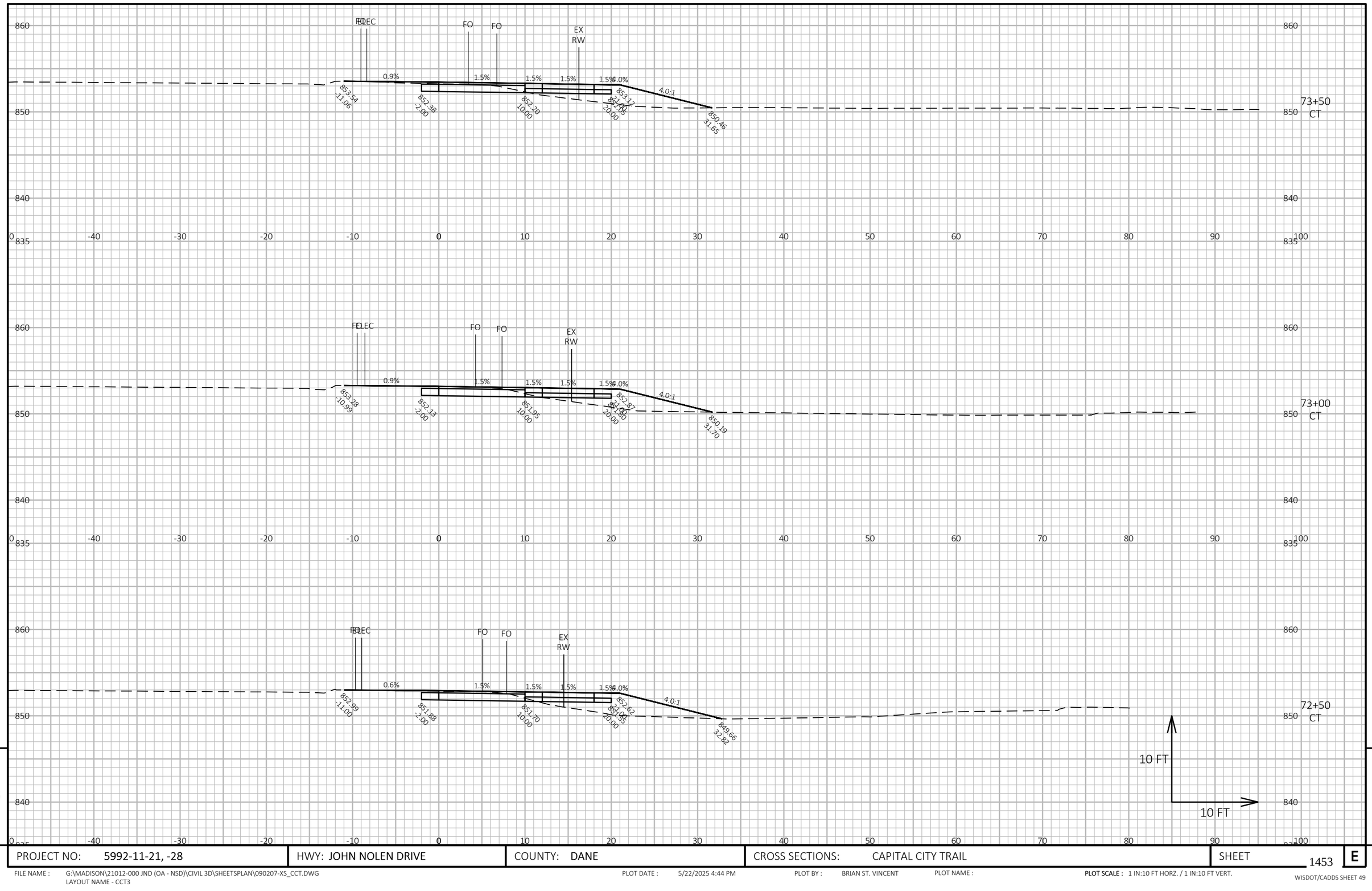
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1452	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT2

PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



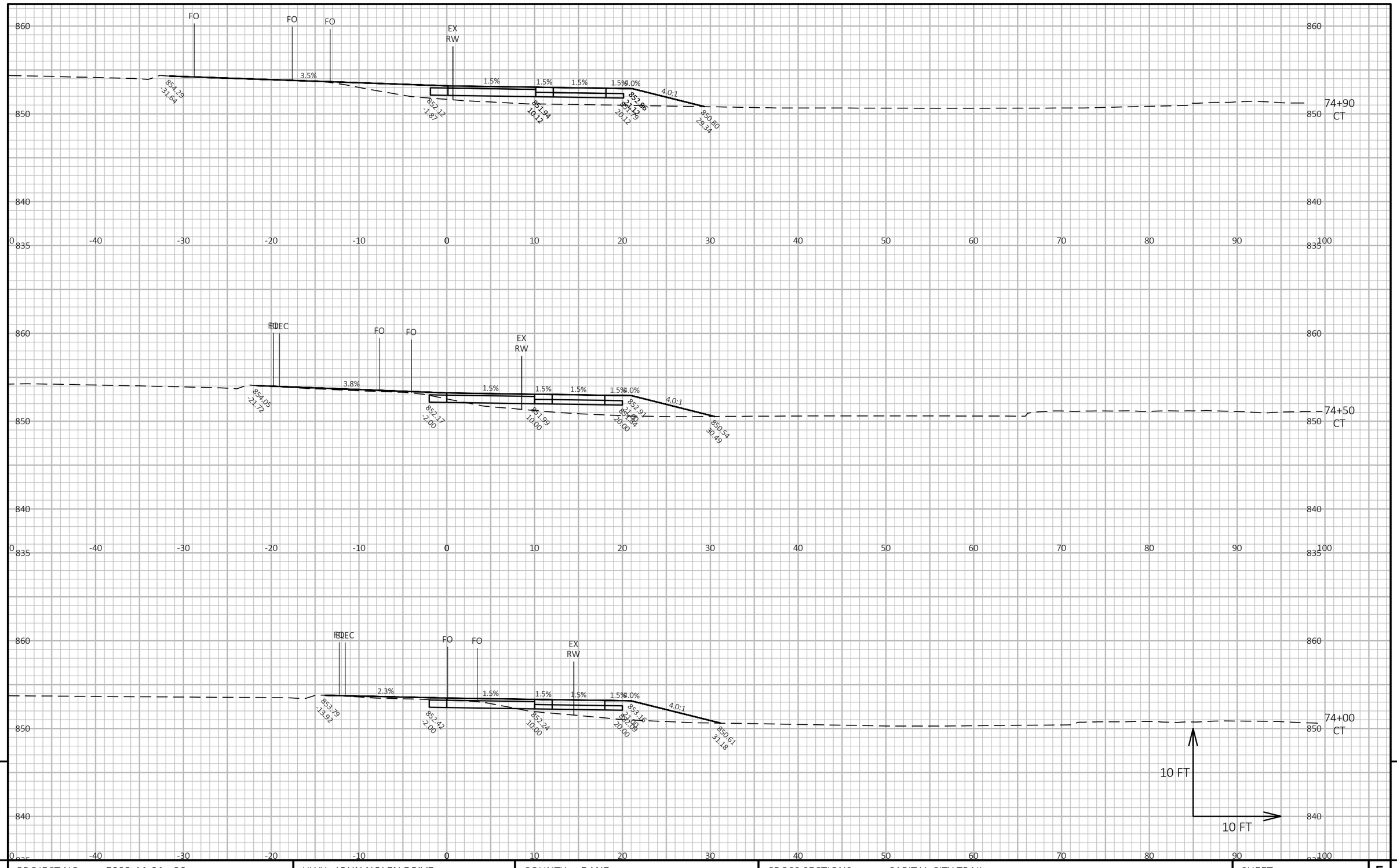
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1453	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT3

PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

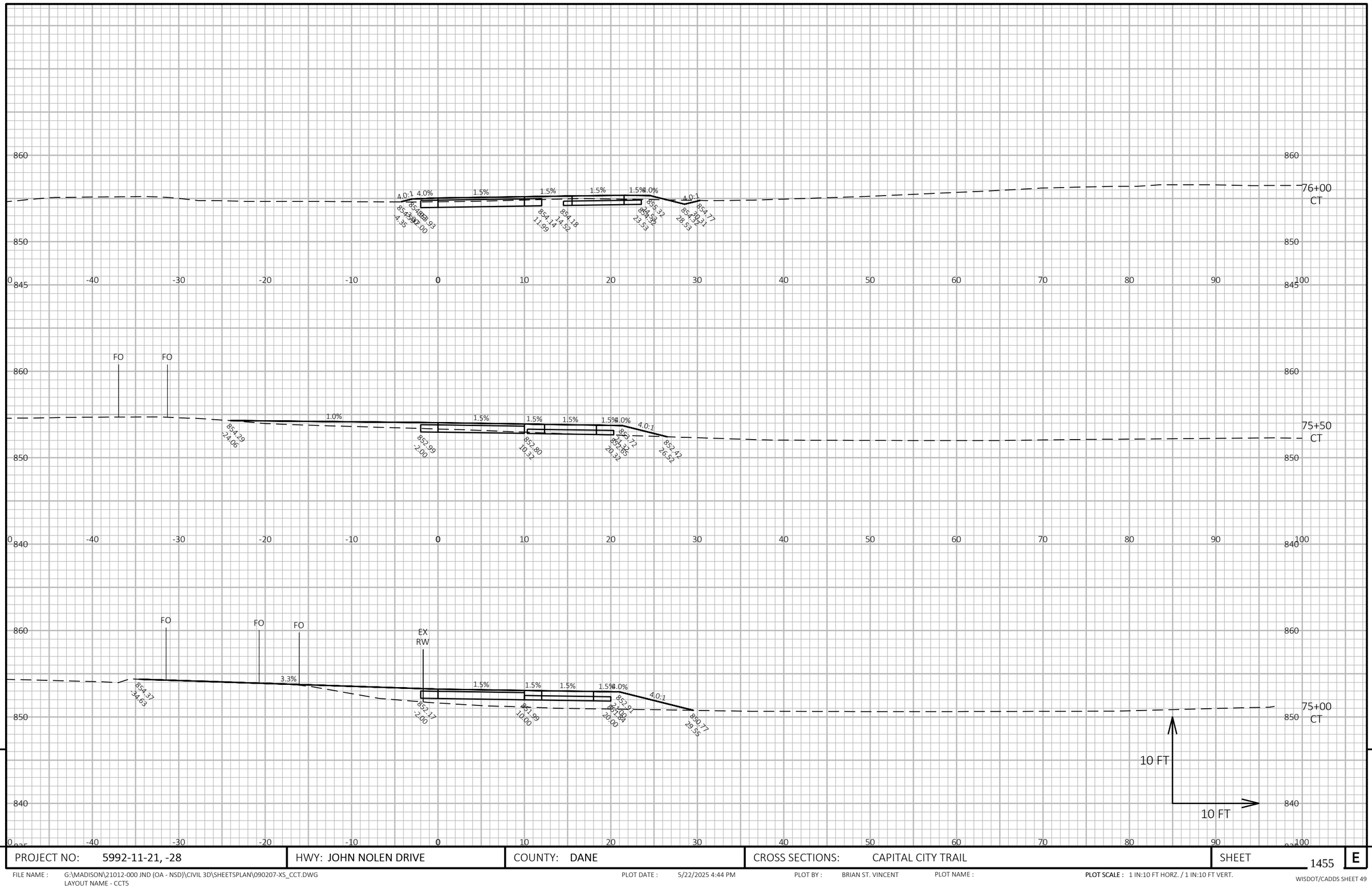


PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1454 E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT4

PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

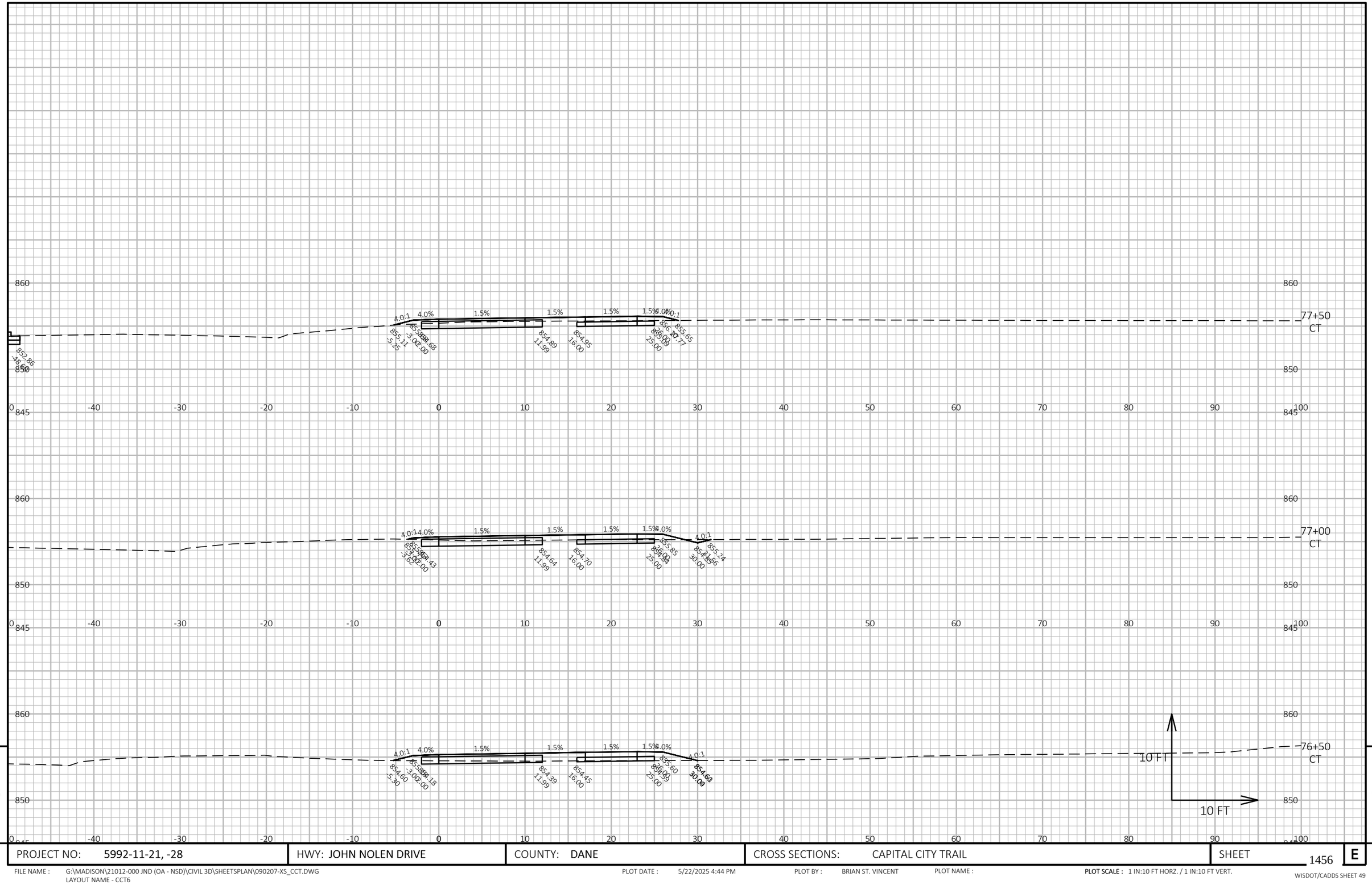
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1455	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT5

PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1456	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT6

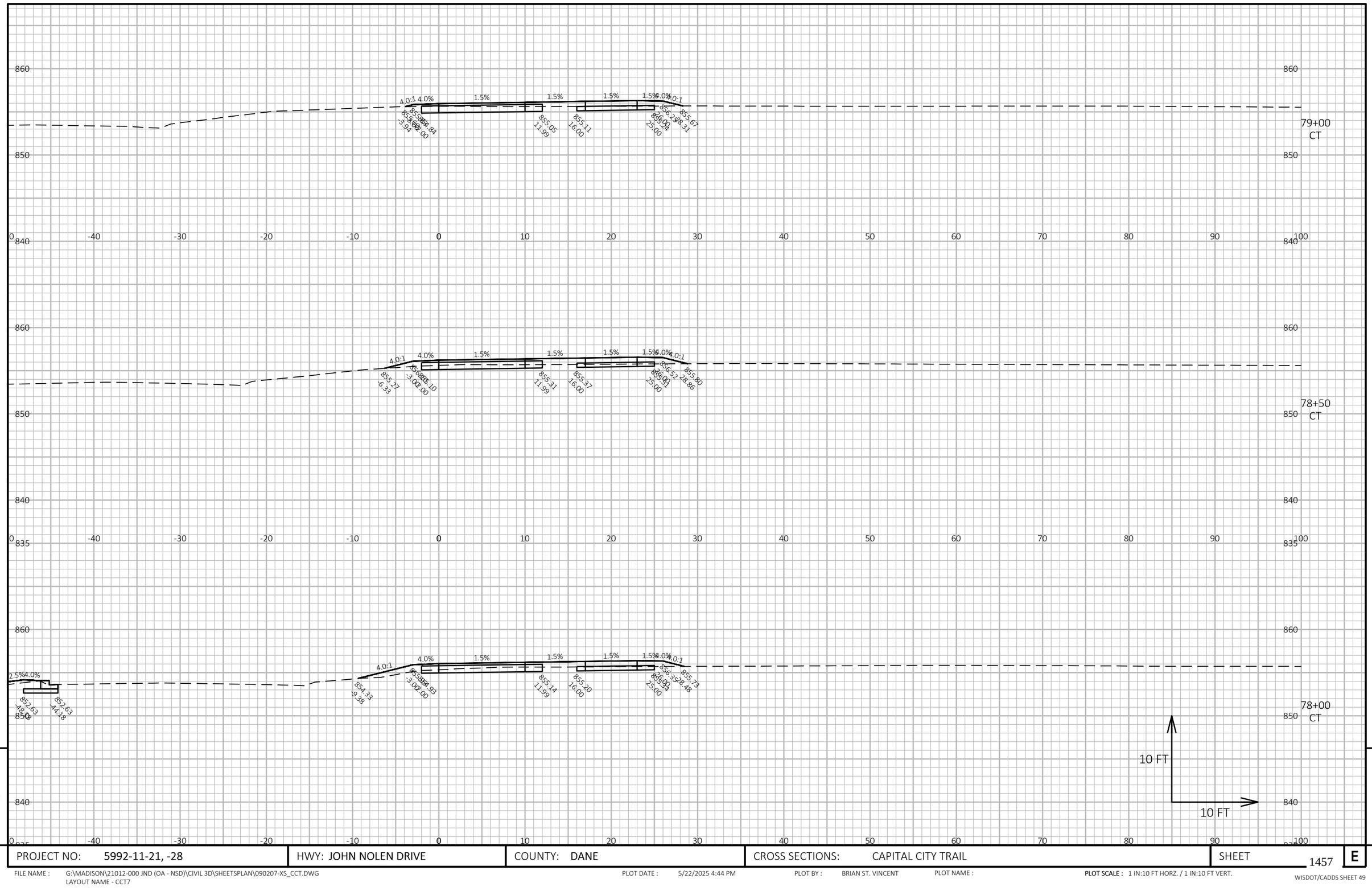
PLOT DATE : 5/22/2025 4:44 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



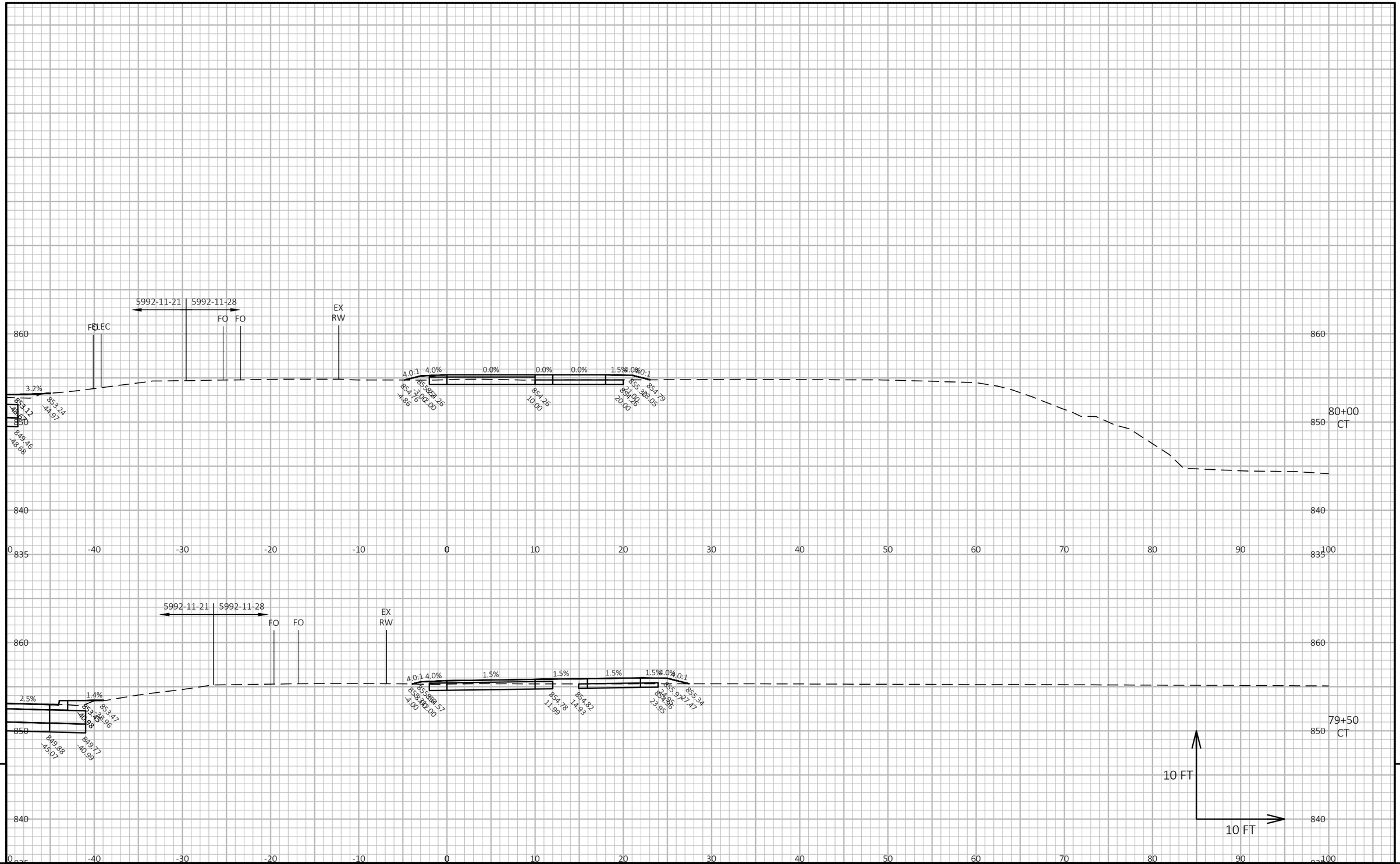
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1457	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT7

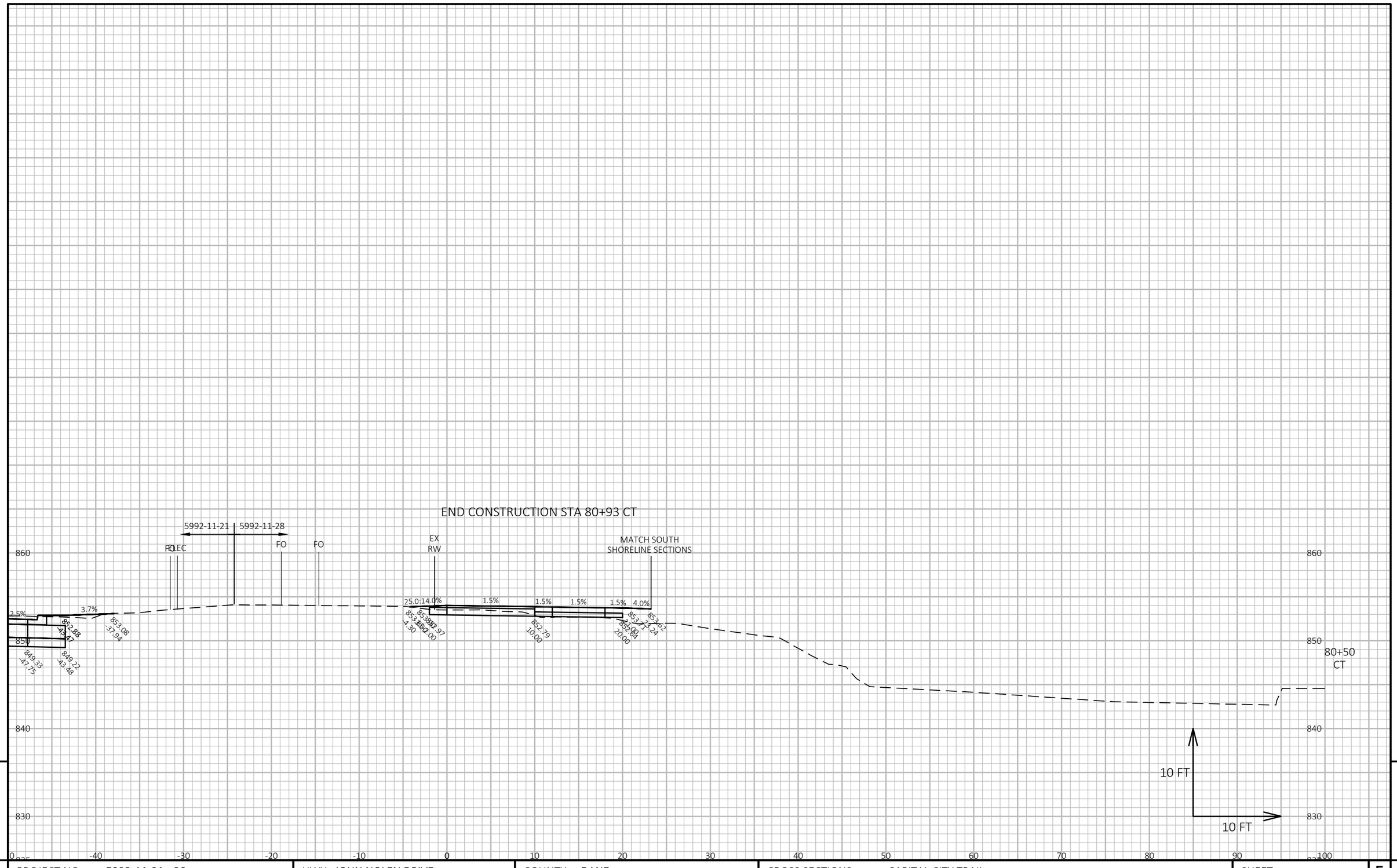
PLOT DATE : 5/22/2025 4:44 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1458	E



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CAPITAL CITY TRAIL	SHEET 1459	E

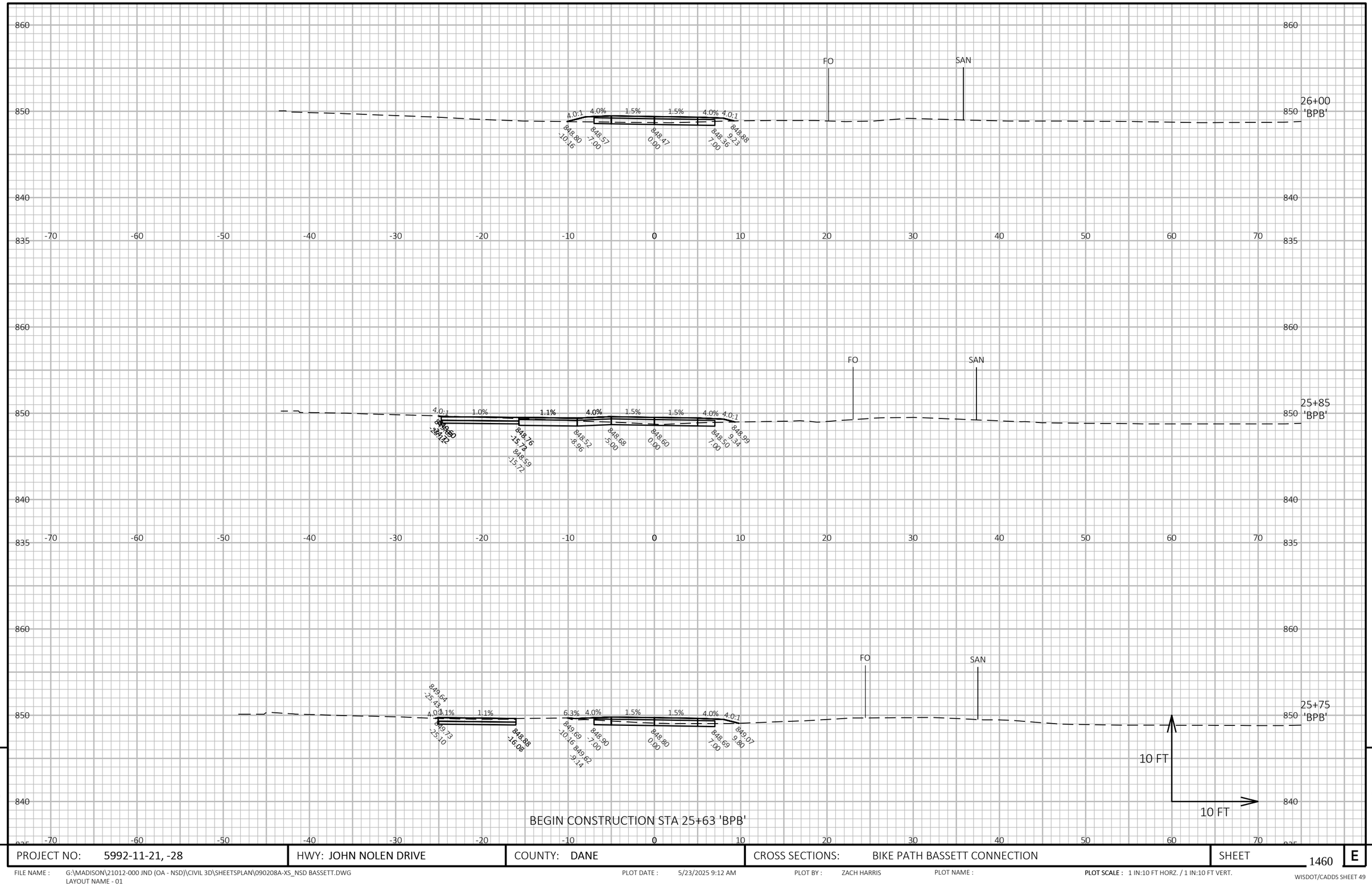
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090207-XS_CCT.DWG
LAYOUT NAME - CCT8 (2)

PLOT DATE : 5/22/2025 4:44 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



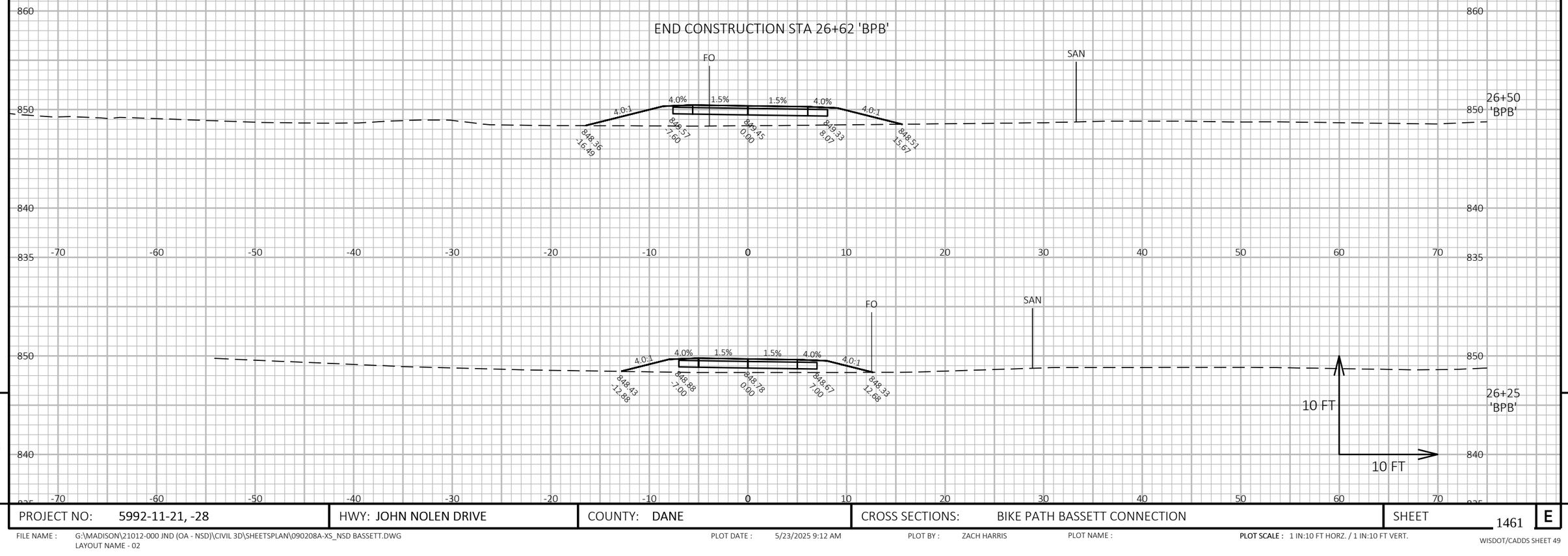
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BIKE PATH BASSETT CONNECTION	SHEET 1460	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208A-XS_NSD BASSETT.DWG
LAYOUT NAME - 01

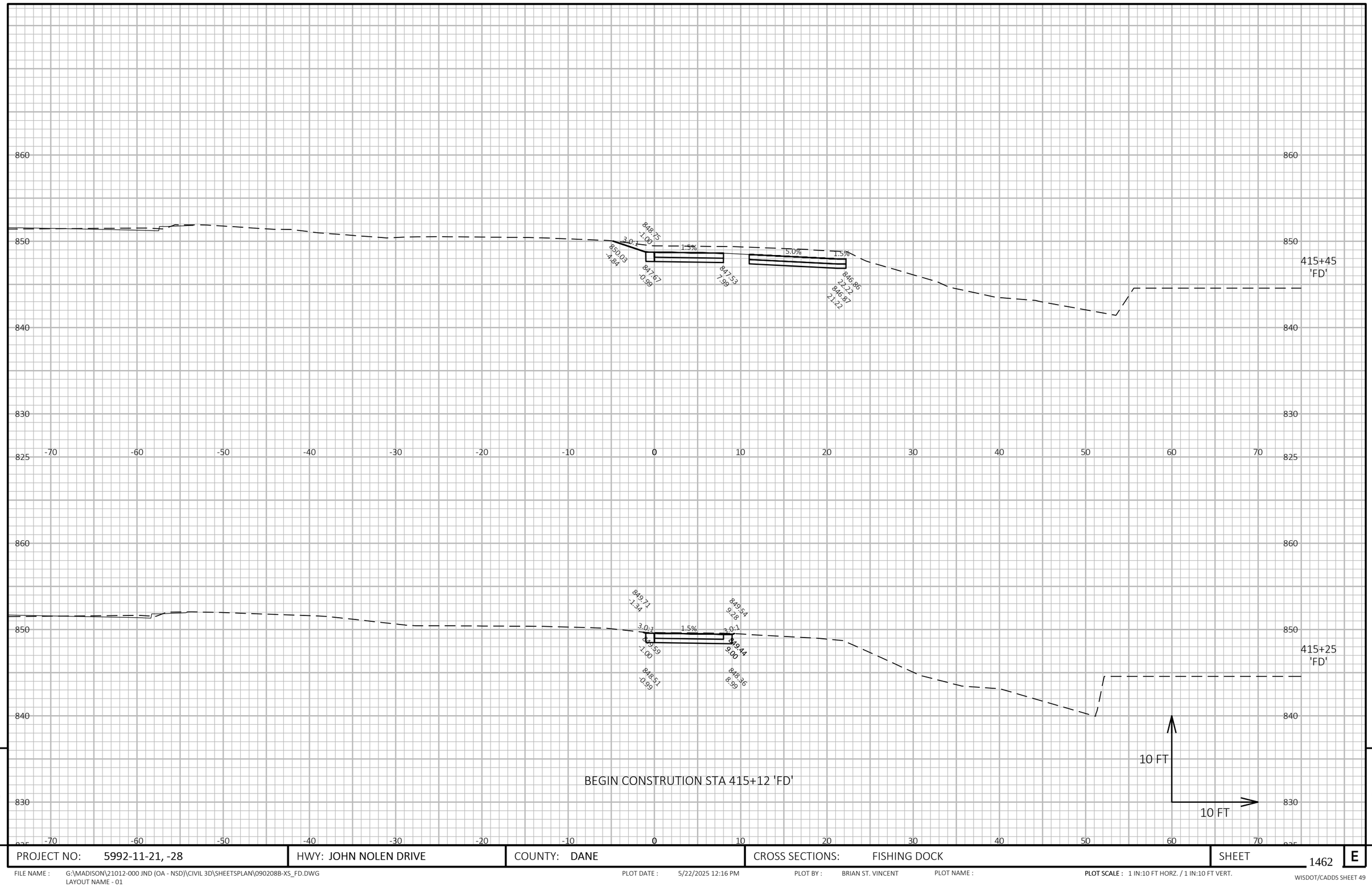
PLOT DATE : 5/23/2025 9:12 AM PLOT BY : ZACH HARRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 26+62 'BPB'



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: BIKE PATH BASSETT CONNECTION	SHEET 1461	E



9

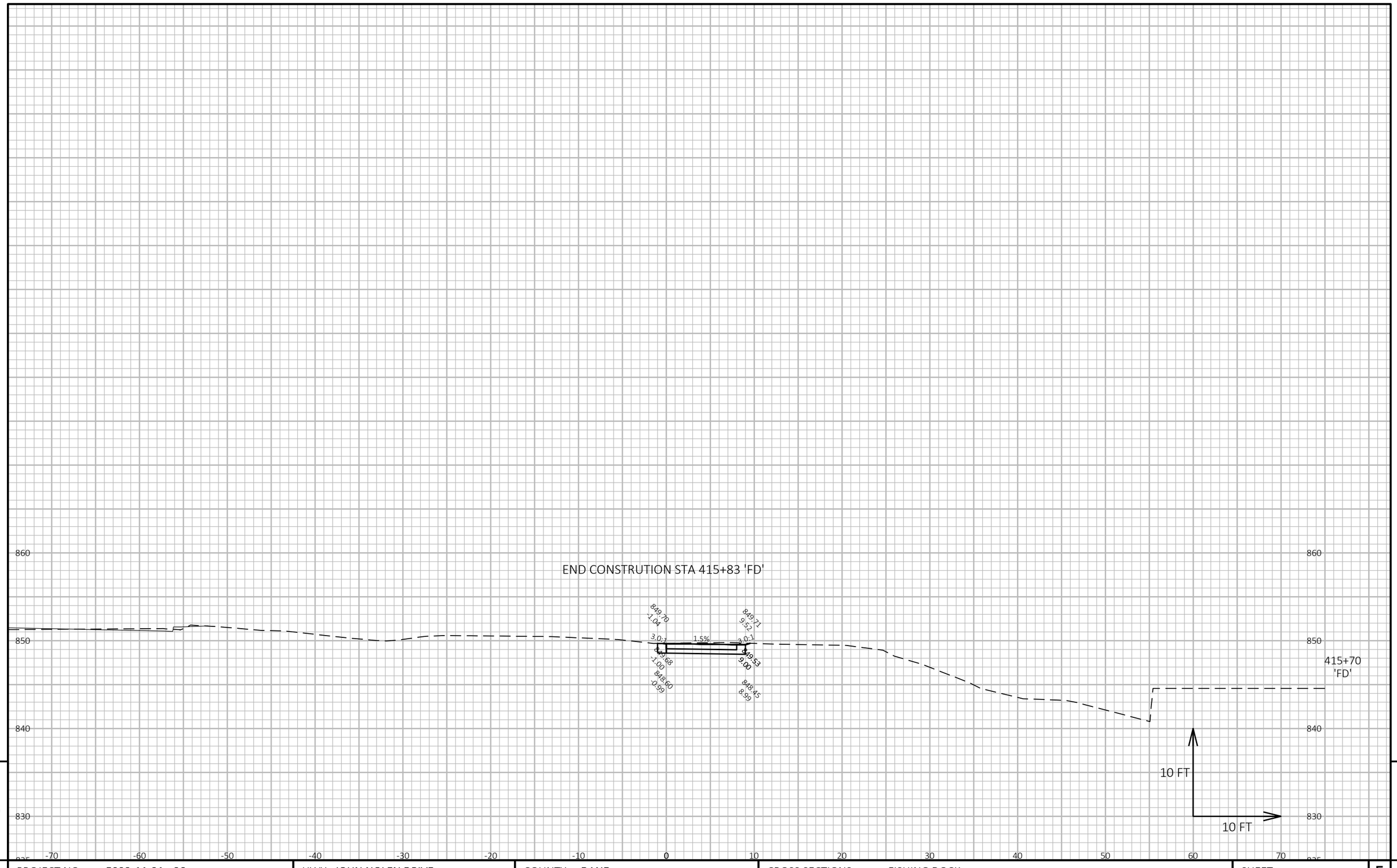
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: FISHING DOCK	SHEET 1462	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208B-XS_FD.DWG
LAYOUT NAME - 01

PLOT DATE : 5/22/2025 12:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

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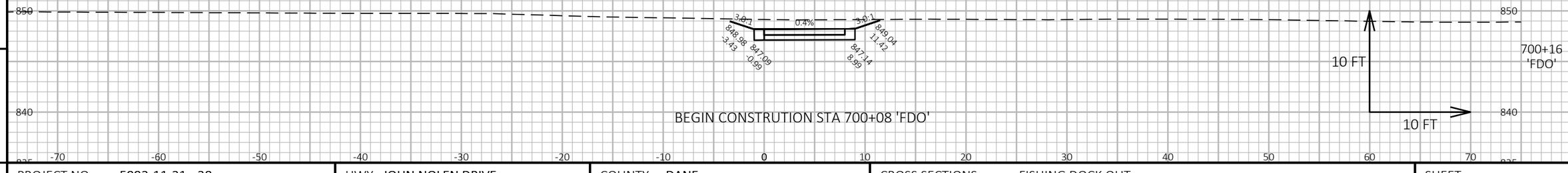
PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: FISHING DOCK	SHEET 1463	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208B-XS_FD.DWG
LAYOUT NAME - 02

PLOT DATE : 5/22/2025 12:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CONSTRUTION STA 700+22 'FDO'



BEGIN CONSTRUTION STA 700+08 'FDO'

9

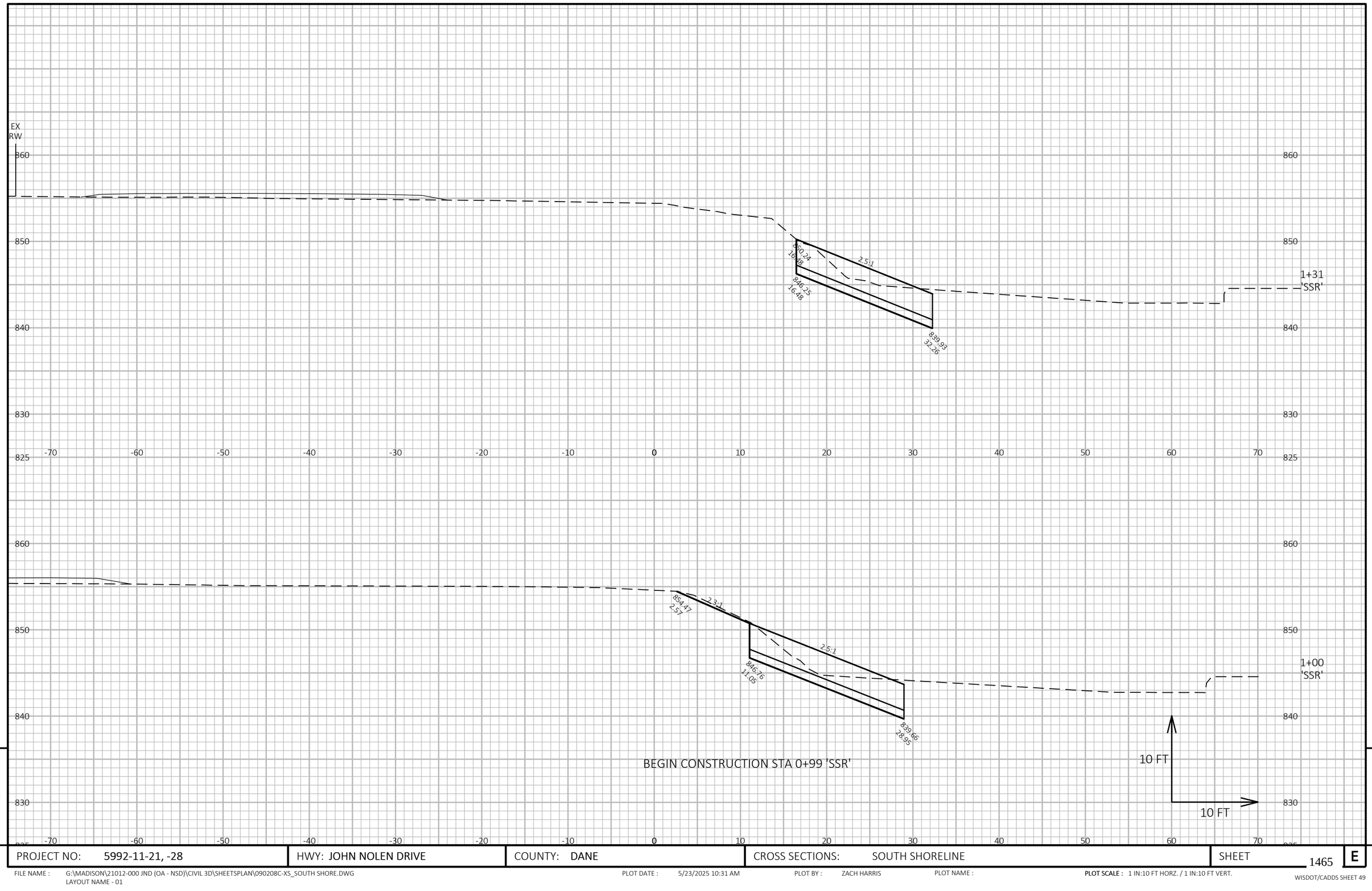
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: FISHING DOCK OUT	SHEET 1464	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208B-XS_FD.DWG
LAYOUT NAME - 03

PLOT DATE : 5/22/2025 12:16 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

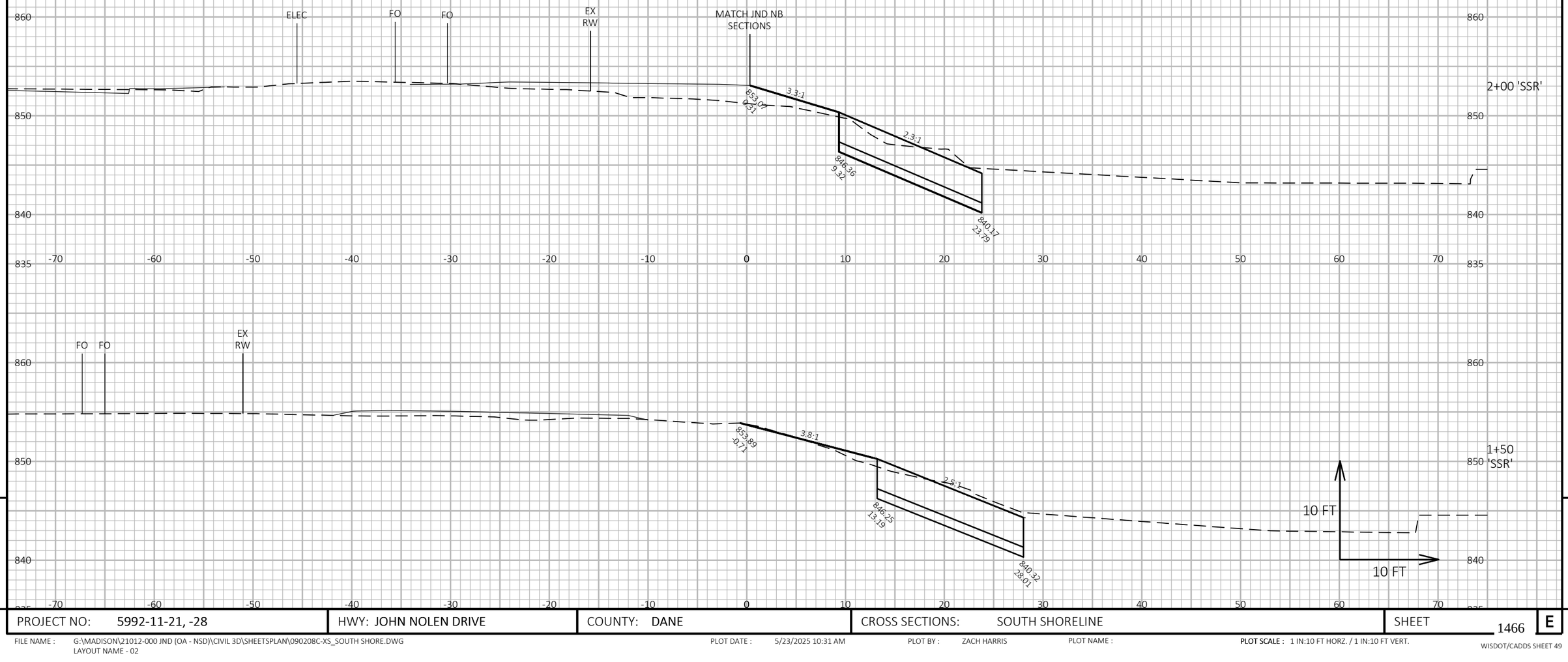
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: SOUTH SHORELINE	SHEET 1465	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208C-XS_SOUTH SHORE.DWG
LAYOUT NAME - 01

PLOT DATE : 5/23/2025 10:31 AM PLOT BY : ZACH HARRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION STA 2+14 'SSR'



9

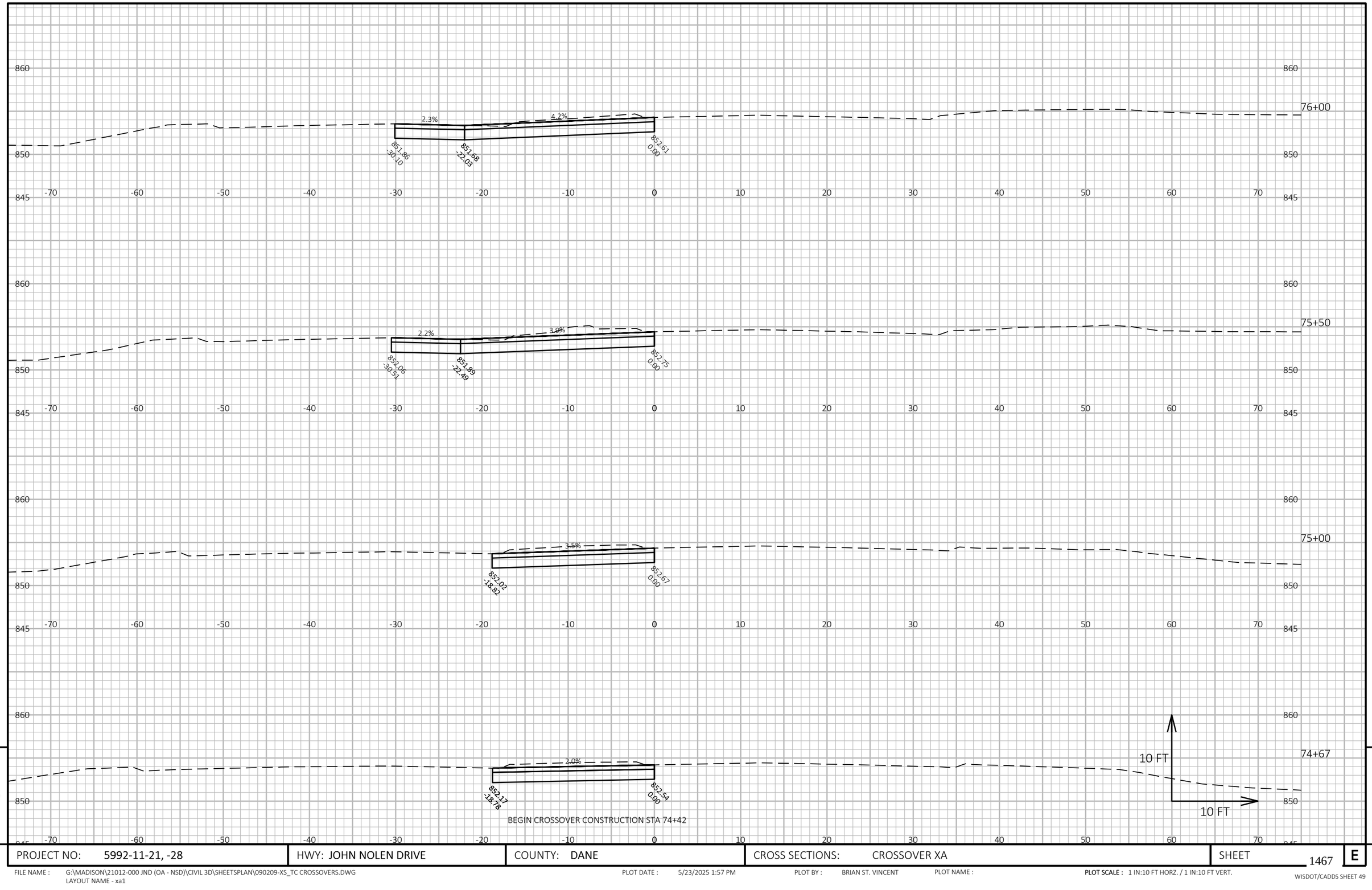
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: SOUTH SHORELINE	SHEET 1466	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090208C-XS_SOUTH SHORE.DWG
LAYOUT NAME - 02

PLOT DATE : 5/23/2025 10:31 AM PLOT BY : ZACH HARRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XA	SHEET 1467	E

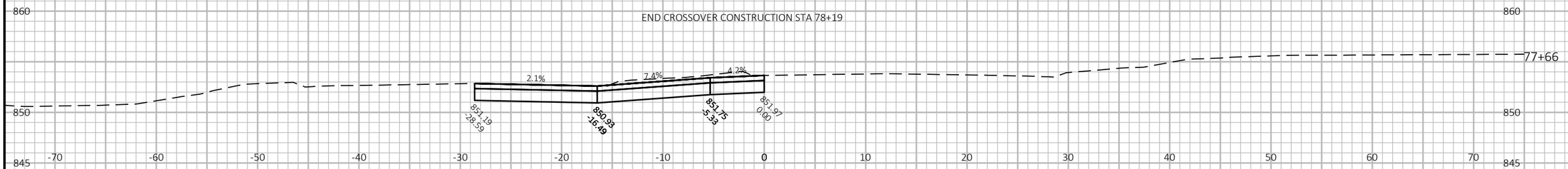
FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - xa1

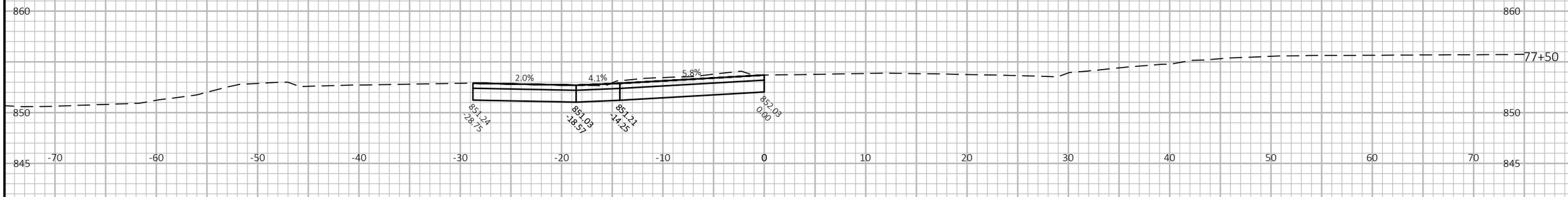
PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

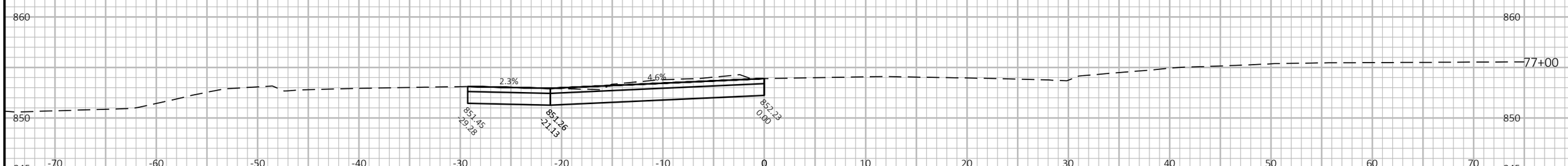
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END CROSSOVER CONSTRUCTION STA 78+19









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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XA	SHEET 1468	E

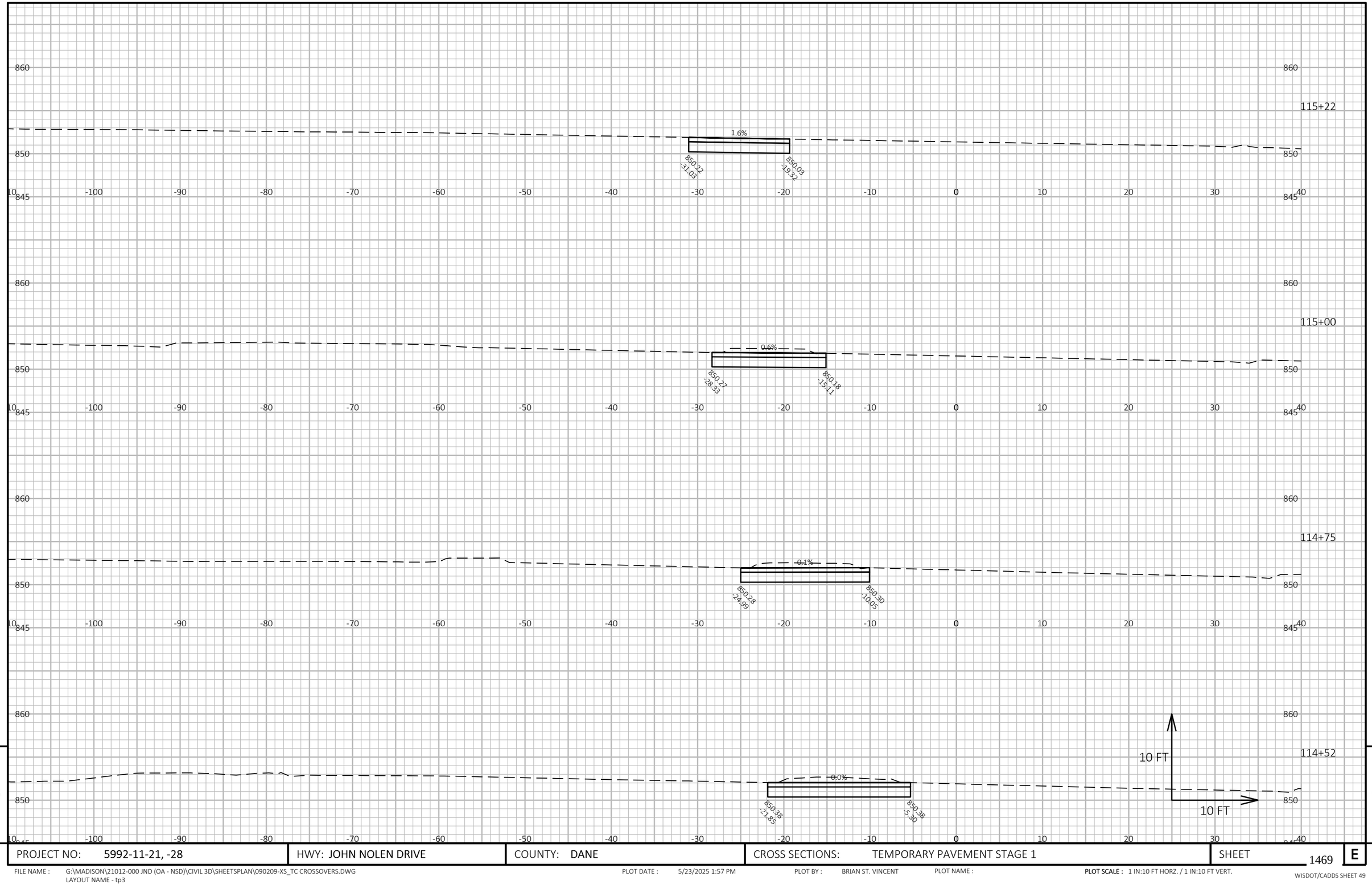
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LAYOUT NAME - xa2

PLOT DATE : 5/23/2025 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

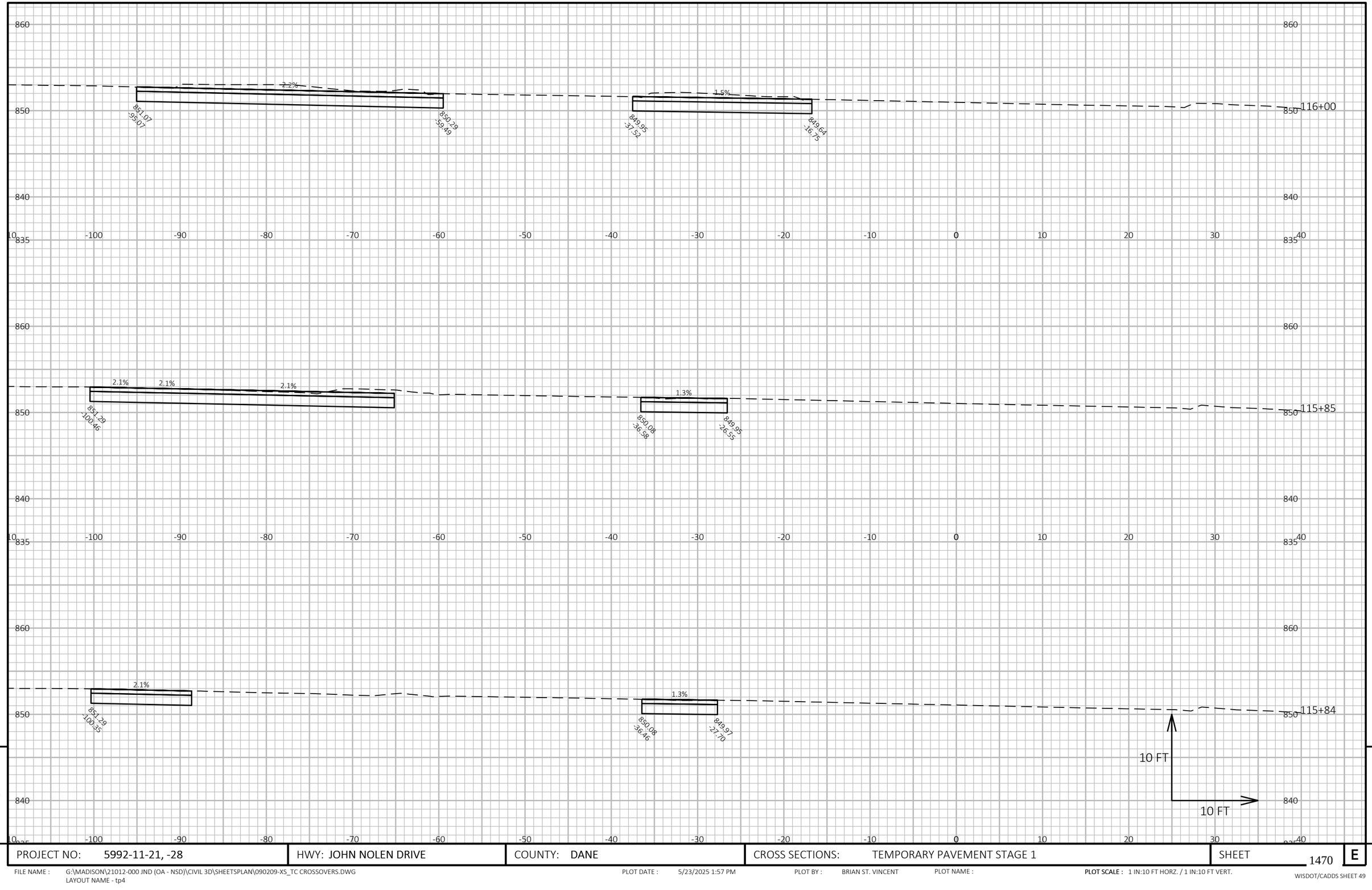
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1469	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp3

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1470	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp4

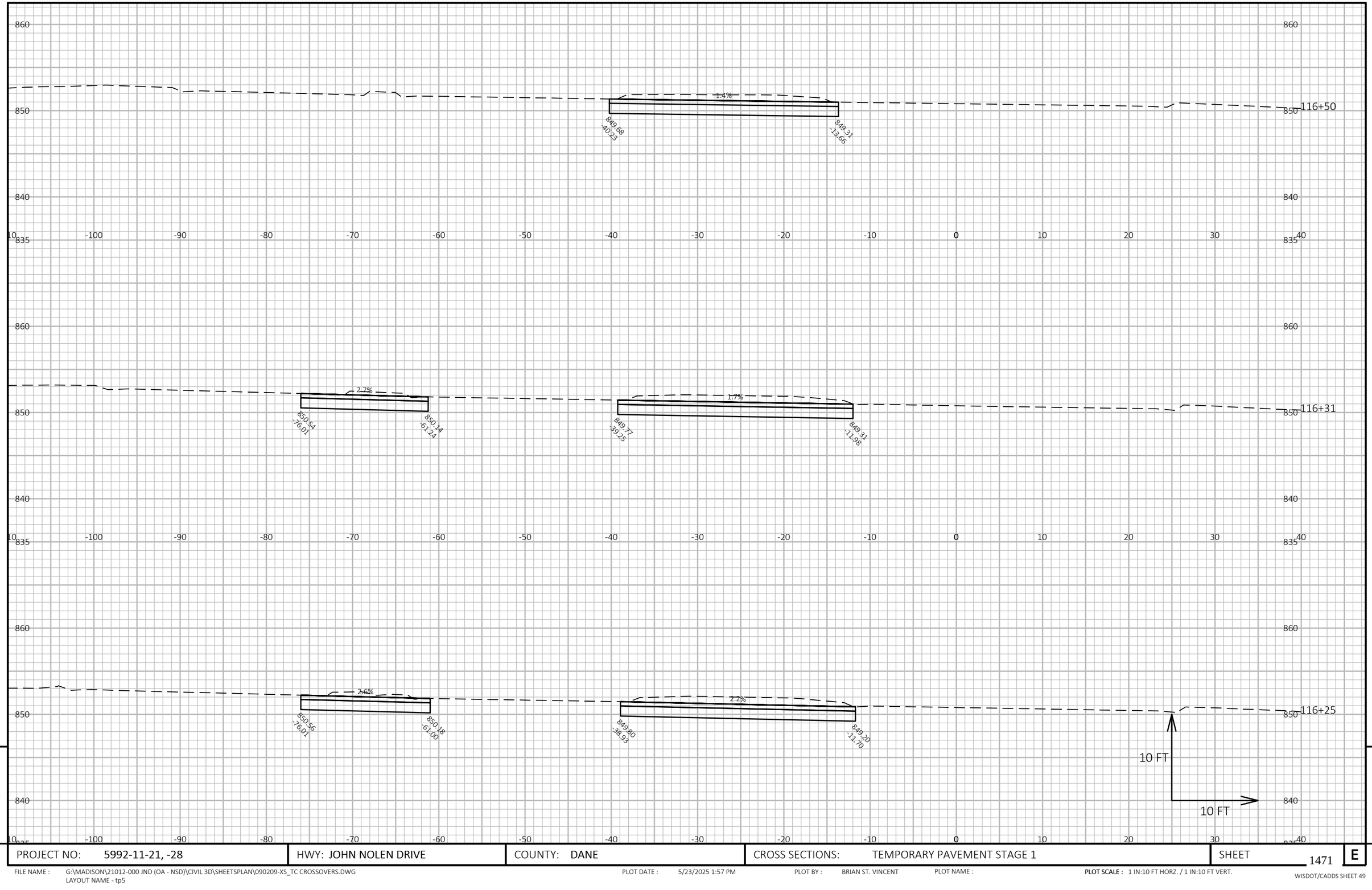
PLOT DATE : 5/23/2025 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



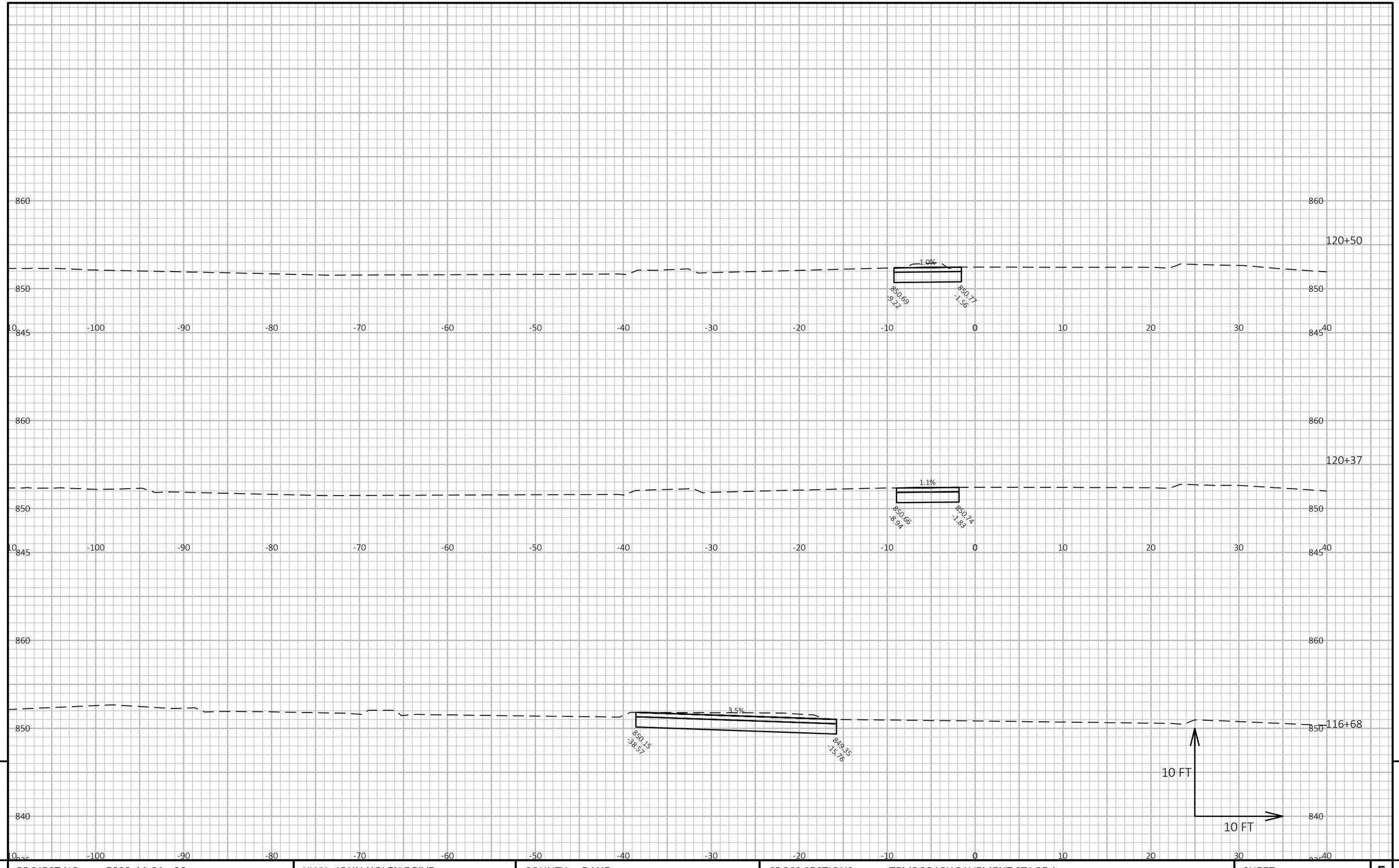
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1471	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp5

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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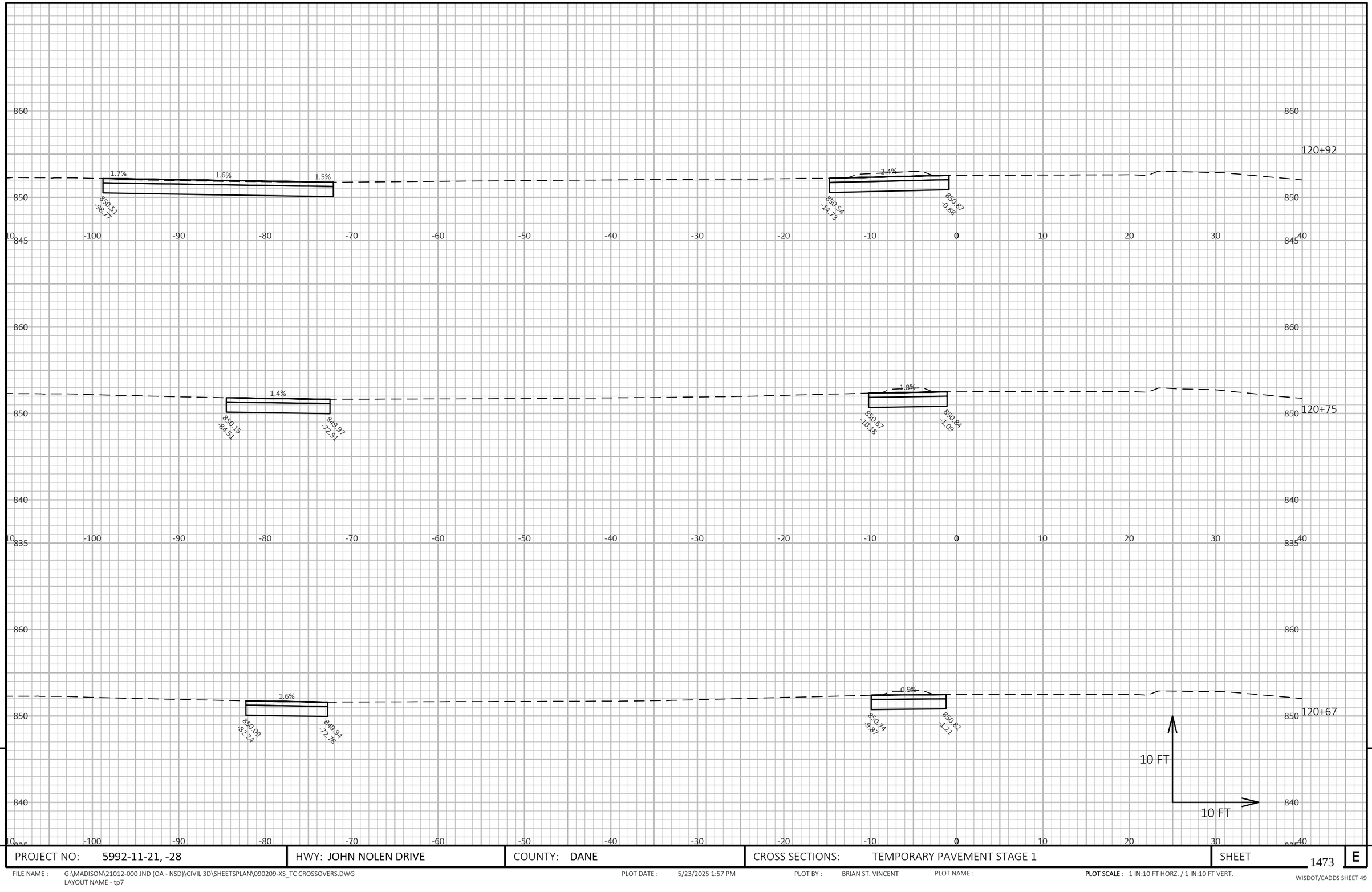
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1472	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp6

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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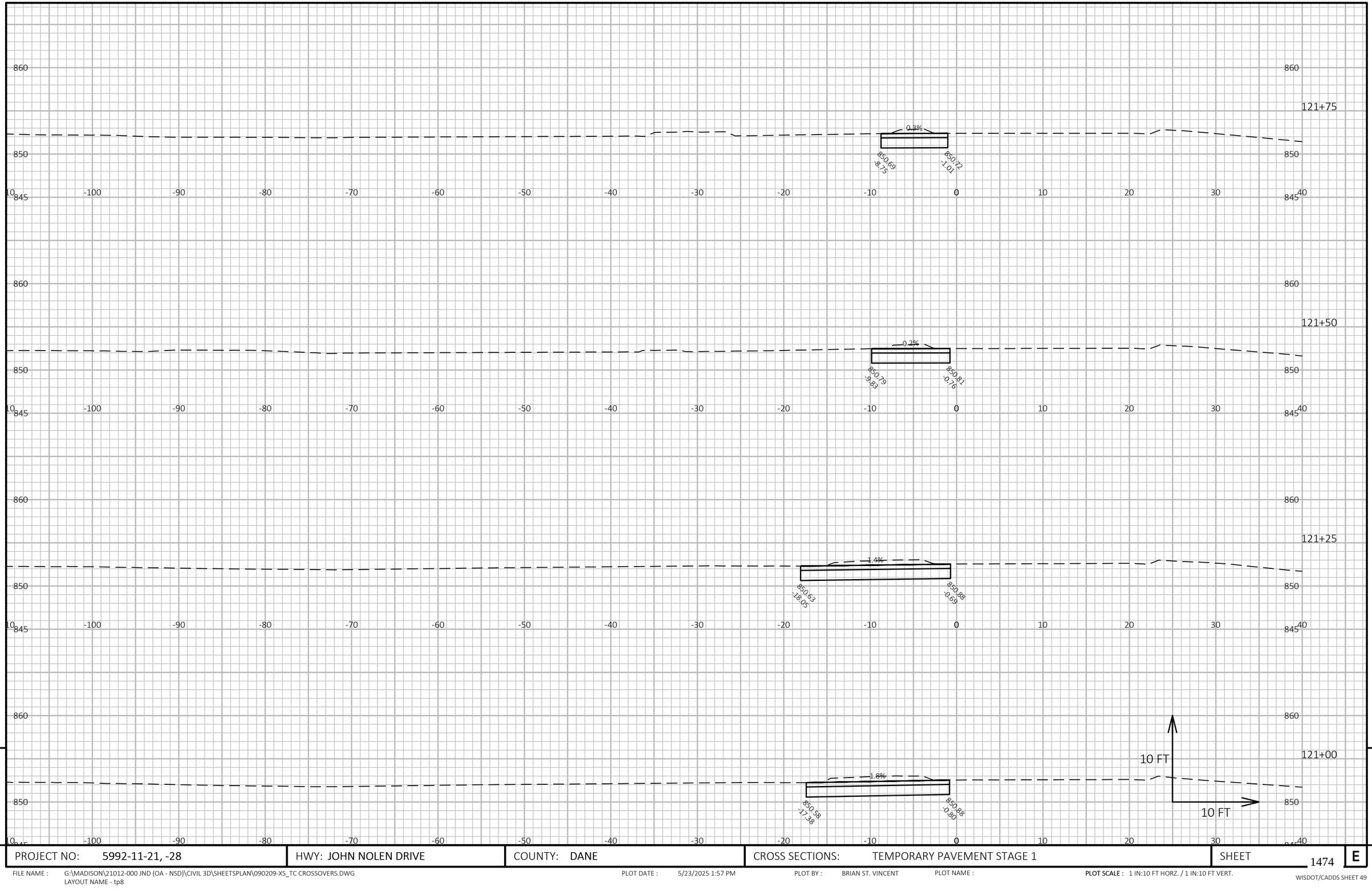
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1473	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp7

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1474	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp8

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



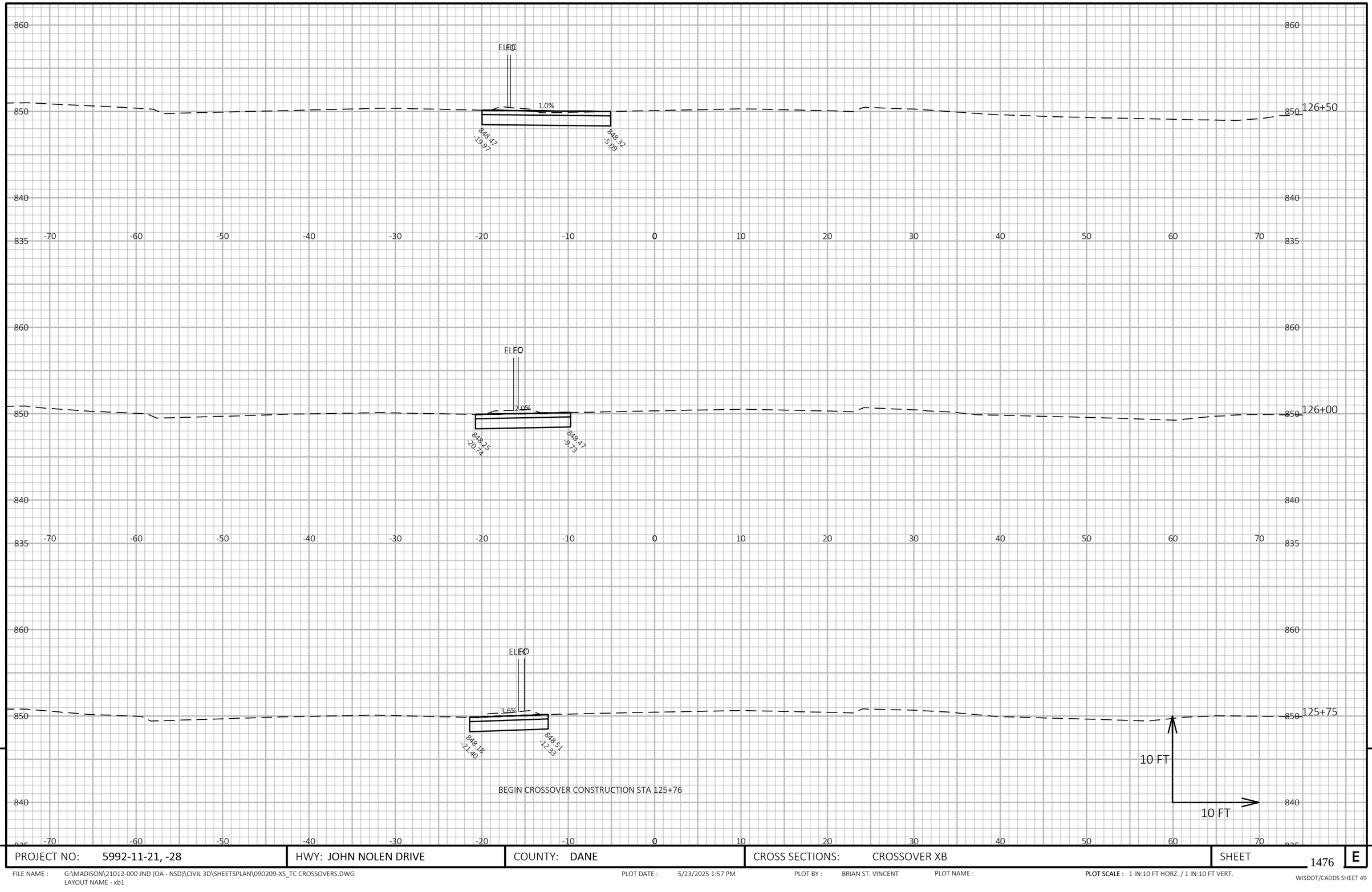
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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 1	SHEET 1475	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - tp9

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XB	SHEET 1476	E

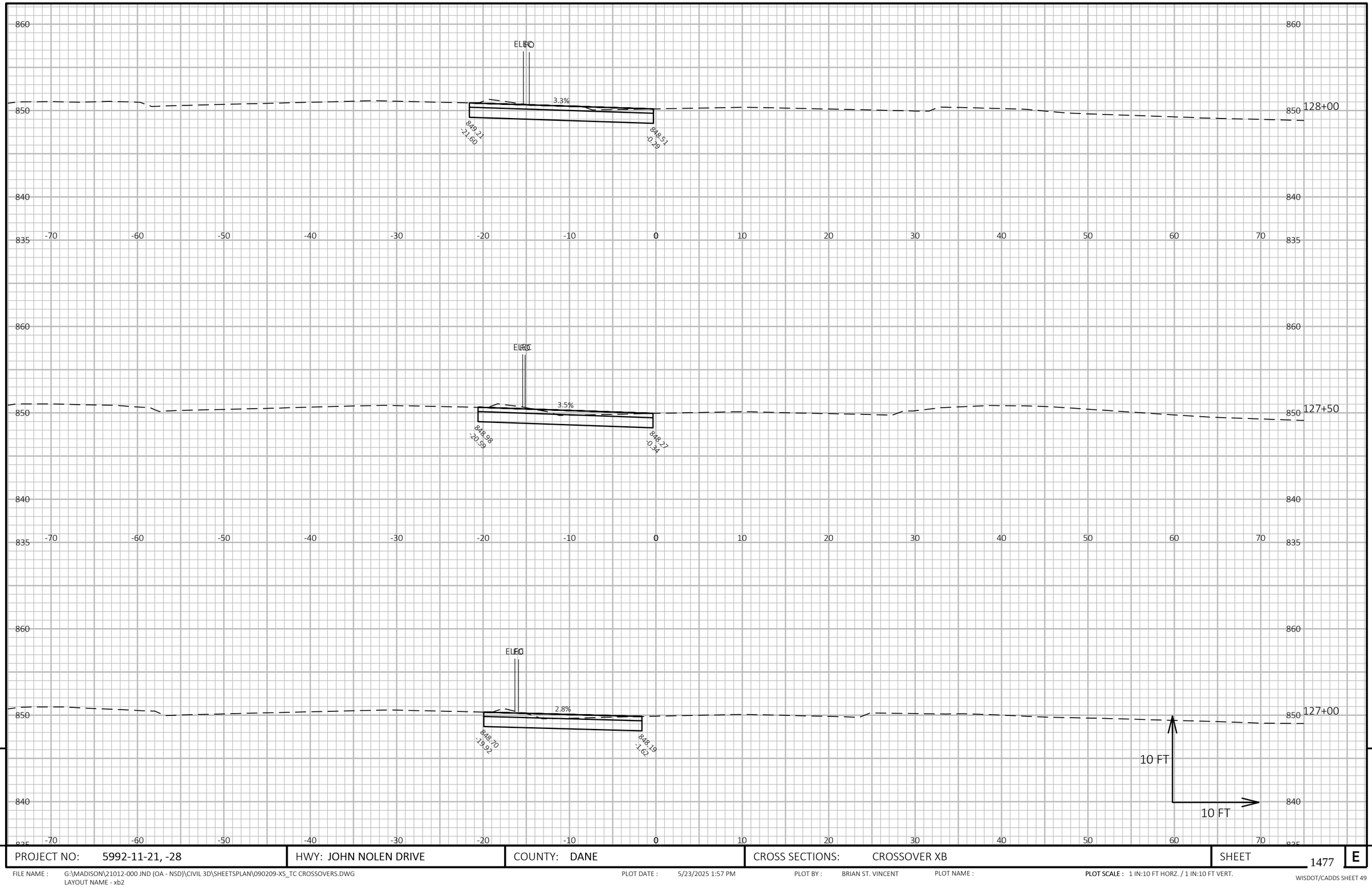
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LAYOUT NAME - xb1

PLOT DATE : 5/23/2025 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XB	SHEET 1477	E

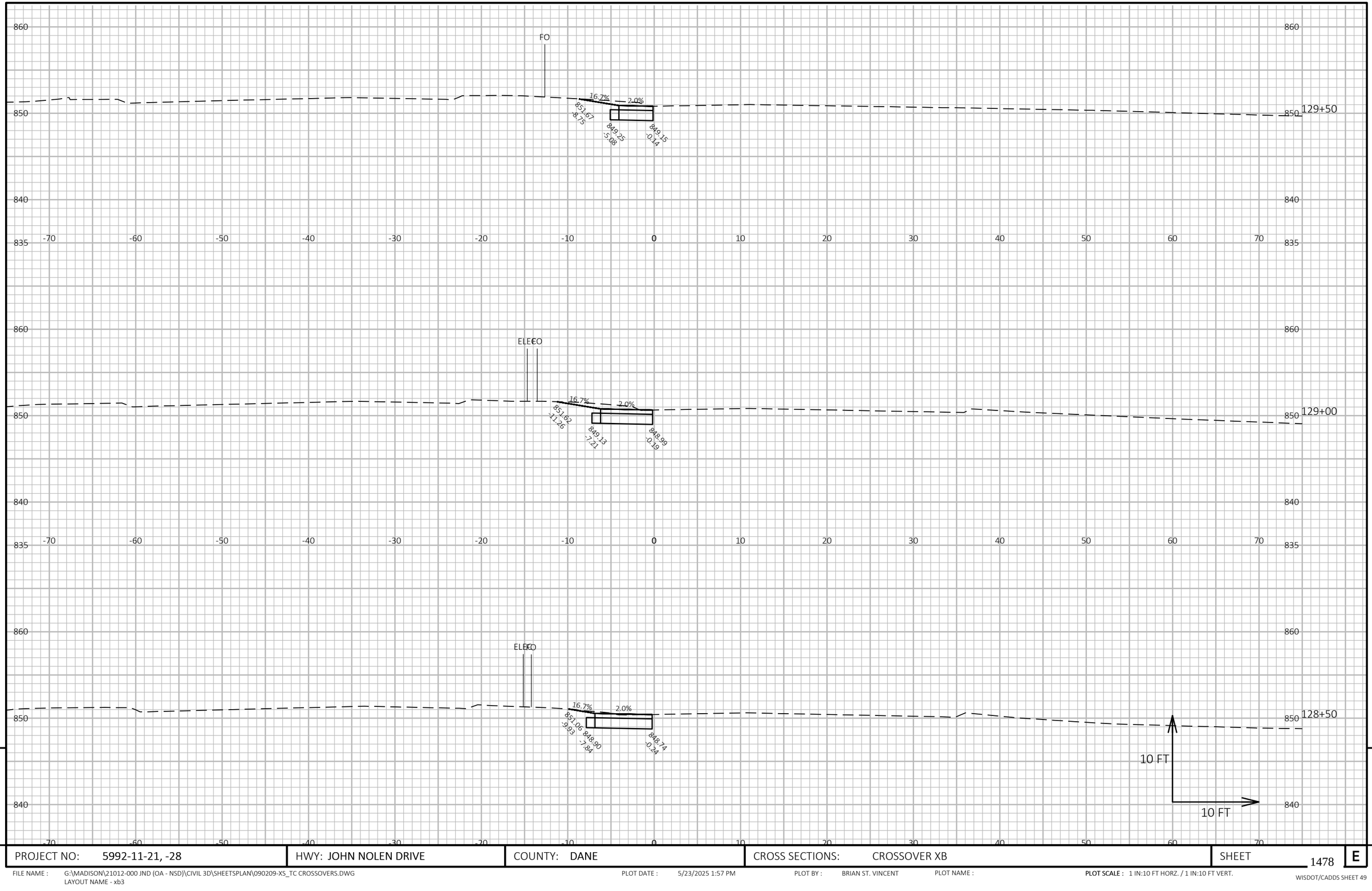
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LAYOUT NAME - xb2

PLOT DATE : 5/23/2025 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XB	SHEET 1478	E

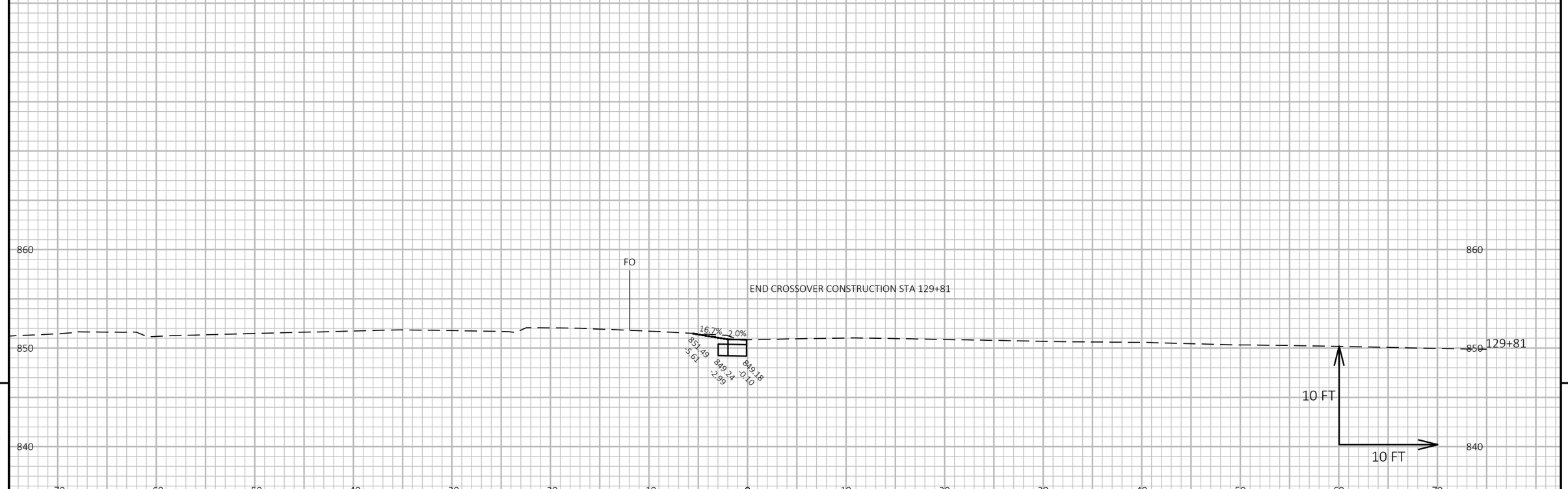
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LAYOUT NAME - xb3

PLOT DATE : 5/23/2025 1:57 PM

PLOT BY : BRIAN ST. VINCENT

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

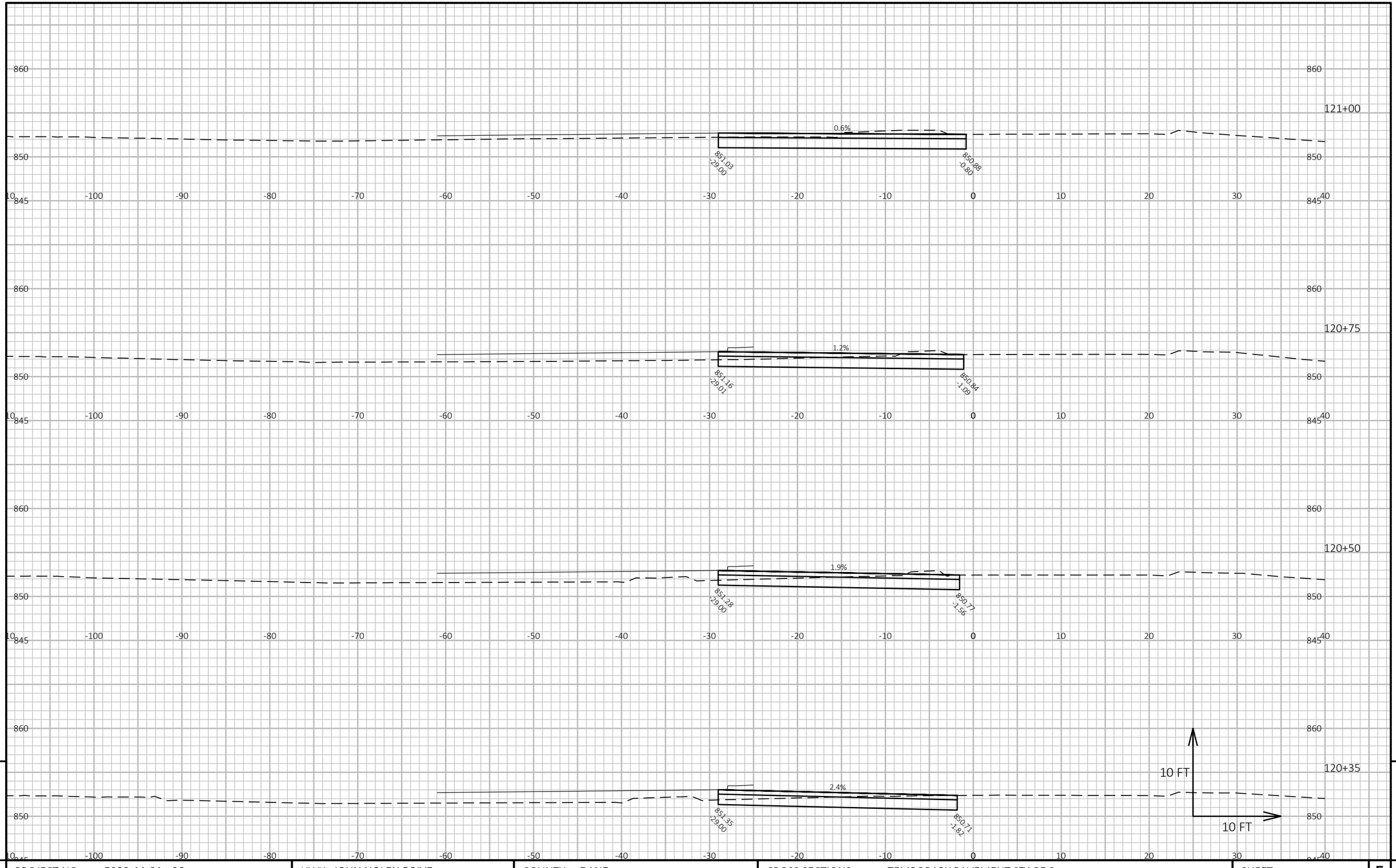
9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: CROSSOVER XB	SHEET 1479	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090209-XS_TC CROSSOVERS.DWG
LAYOUT NAME - xb4

PLOT DATE : 5/23/2025 1:57 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5992-11-21, -28	HWY: JOHN NOLEN DRIVE	COUNTY: DANE	CROSS SECTIONS: TEMPORARY PAVEMENT STAGE 2	SHEET 1480	E

FILE NAME : G:\MADISON\21012-000 JND (OA - NSD)\CIVIL 3D\SHEETSPLAN\090210-XS_TEMPPAVT 2.DWG
LAYOUT NAME - tp2 1

PLOT DATE : 5/23/2025 2:00 PM PLOT BY : BRIAN ST. VINCENT PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

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