MAD

MARCH 2023

PROJECT ID: 5280-01-73

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 = 300



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MADISON - LODI

CTH P/CTH V INTERSECTION

STH 113

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5280-01-73	WISC 2023272	1

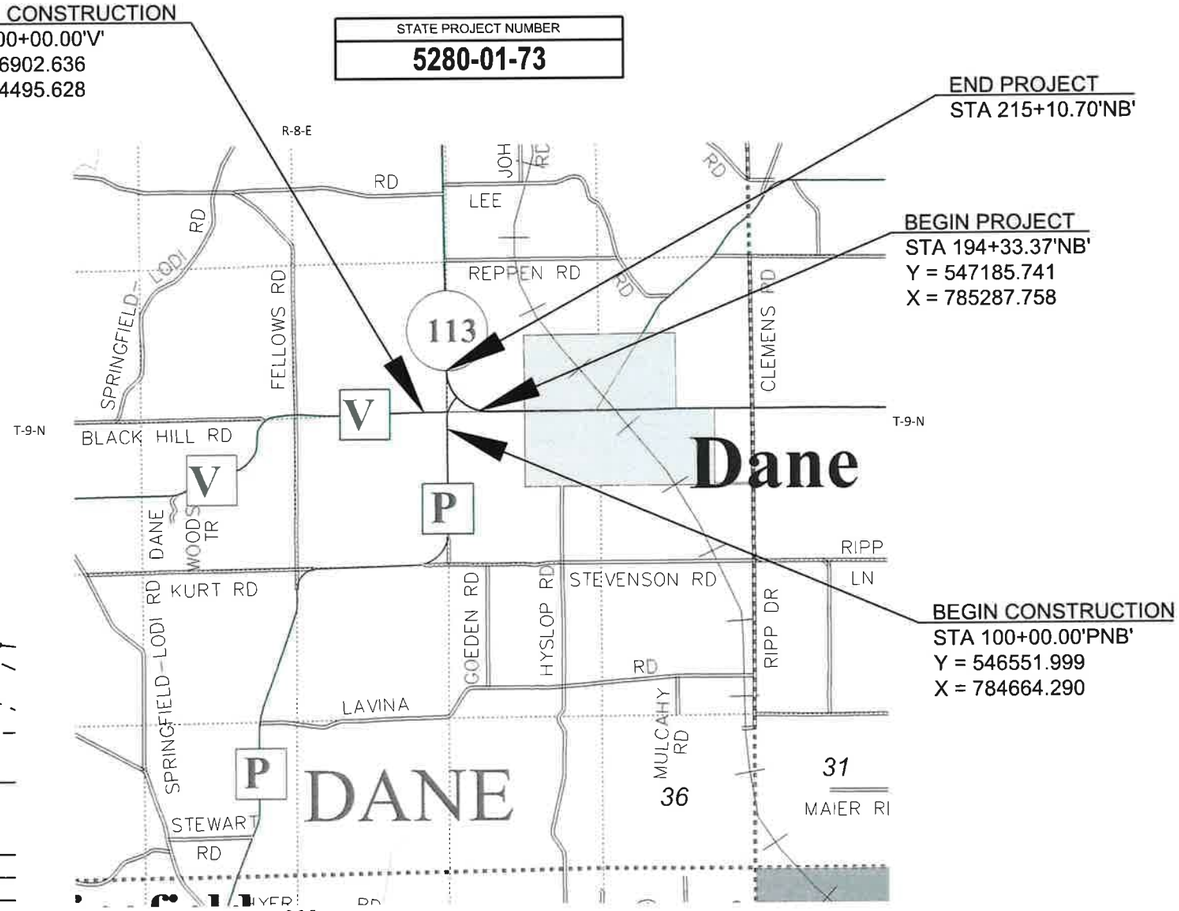
BEGIN CONSTRUCTION
STA 300+00.00'V'
Y = 546902.636
X = 784495.628

STATE PROJECT NUMBER
5280-01-73

END PROJECT
STA 215+10.70'NB'

BEGIN PROJECT
STA 194+33.37'NB'
Y = 547185.741
X = 785287.758

BEGIN CONSTRUCTION
STA 100+00.00'PNB'
Y = 546551.999
X = 784664.290



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.592 MILES
(STH 113 = 0.393 MILES)
(CTH P = 0.167 MILES)
(CTH V = 0.032 MILES)

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), DANE COUNTY, NAD83 (2011), 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 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

DESIGN DESIGNATION

			STH 113	CTH P
A.A.D.T.	2023	=	6400	5300
A.A.D.T.	2043	=	8100	6700
D.H.V.		=	6.6	6.6
D.D.		=	60/40	60/40
T.		=	7.8%	7.8%
DESIGN SPEED		=	60 MPH	60 MPH
ESALS		=	1,200,000	

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

ORIGINAL PLANS PREPARED BY

MSA
1702 Pankratz St Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

STATE OF WISCONSIN
AMANDA M. DeAMICO
NO.43334-6
MADISON WI
PROFESSIONAL ENGINEER

DATE: 9/22/22 Amanda DeAmico (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	CODY KAMMERZELT, P.E.
Regional Examiner	SW REGION
Regional Supervisor	JENNIFER KOBRYN, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 9/26/22 Cody Kammerzelt (Signature)

E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 9/22/2022 10:38 AM PLOT BY : NATHAN COOK PLOT NAME :

UTILITIES

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WINDSOR, WI 53598
(608) 459-5797
KAIGRAFF@ALLIANTENERGY.COM

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2222 WEST WI ST.
PORTAGE, WI 53901
(608) 346-0353
JERALD.R.MOORE@FTR.COM

SHAUN ENDRES
MADISON GAS AND ELECTRIC COMPANY - GAS/PETROLEUM
133 S. BLAIR ST
MADISON, WI 53788
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SENDRES@MGE.COM

JOE MCCLEARN
SPECTRUM - COMMUNICATION LINE
2701 DANIELS ST.
MADISON, WI 53718
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JOE.MCCLEARN2@CHARTER.COM

JERRY MYERS
TDS TELECOM LLC dba WAUNAKEE TELEPHONE-COMMUNICATION LINE
525 JUNCTION RD
MADISON, WI 53717
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DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

ORDER OF SECTION 2 SHEETS:

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVEMENT DETAILS
CURB RAMP DETAILS
PAVING GRADES
CROSS SECTION MATCHLINES
EROSION CONTROL
STORM SEWER
PLANTING DETAIL
EXISTING SIGN REMOVALS
PERMANENT SIGNING
LIGHTING PLAN
PAVEMENT MARKING
TRAFFIC CONTROL AND CONSTRUCTION STAGING
ALIGNMENT DETAILS
SUPERELEVATION TABLES

DESIGN CONTACTS

WISCONSIN DEPARTMENT OF TRANSPORTATION
SOUTHWEST REGION
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MSA PROFESSIONAL SERVICES, INC.
ATTN: AMANDA DEAMICO
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608) 216-2060
E-MAIL: adeamico@msa-ps.com

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: ERIC HEGGELUND
DNR SOUTH CENTRAL REGION HQ
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 2228-7927
EMAIL: eric.heggelund@wisconsin.gov

STANDARD ABBREVIATIONS

AC	ACRES
AEW	APRON ENDWALL
AGG	AGGREGATE
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BAD	BASE AGGREGATE DENSE
BK	BACK
BLK	BLOCK
BOC	BACK OF CURB
BOW	BACK OF SIDEWALK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CL or ℄	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CMCP	CORRUGATED METAL CULVERT PIPE
CONC	CONCRETE
CP	CONTROL POINT
CPCS	CULVERT PIPE CORRUGATED STEEL
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
D	DEGREE OF CURVATURE
DES	DESIRABLE
E	EAST
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EOP	EDGE OF PAVEMENT
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
GV	GAS VALVE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
HYD	HYDRANT
IN	INCH
INL	INLET
INV	INVERT
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LC	LONG CHORD
LCP	LONG CHORD BEARING
LF	LINEAR FEET
LT	LEFT
MH	MANHOLE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
N.C.	NORMAL CROWN
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
PT	POINT OF TANGENCY
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT OF WAY
S	SOUTH
SAN	SANITARY SEWER
SB	SOUTHBOUND
S.E.	SUPERELEVATION
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
SQ	SQUARE
ST	STREET
STA	STATION
STD	STANDARD
STH	STATE TRUNK HIGHWAY
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP.	TYPICAL
WM	WATERMIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

THE LOCATIONS OF EROSION CONTROL ITEMS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

ALL DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE SALVAGED TOPSOILED, FERTILIZED, AND SEEDED AS DIRECTED BY THE ENGINEER.

RESTORATION OF EXPOSED SLOPES AND DITCHES SHALL TAKE PLACE IMMEDIATELY AFTER FINISHED GRADING IS COMPLETE.

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRUBBING OR TOPSOIL STRIPPING OPERATIONS.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

CURB & GUTTER RADII AND ELEVATIONS ARE MEASURED FROM FACE OF CURB AND CURB FLANGE, RESPECTIVELY.

THE LOCATION OF STORM SEWER STRUCTURES REFERS TO THE CENTER OF THE STRUCTURE.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL IN USE SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE BID ITEM "TRAFFIC CONTROL COVERING SIGNS".

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS-SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

CONTRACTOR PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS, AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

HMA PAVEMENT AND ASPHALTIC SURFACE TEMPORARY WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACES AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT AND TO VERTICAL FACES.

2

N

STH 113

R/W (TYP.)

END PROJECT
STA 215+10.70'NB'
MATCH EXISTING
SAWCUT REQUIRED

215'NB'

215'SB'

TLE (TYP.)

210'NB'

210'SB'

END FULL RECONSTRUCTION
BEGIN MILL & OVERLAY
STA 203+21'NB'
MATCH EXISTING
SAW CUT REQ'D

205'NB'

205'SB'

SLOPE INTERCEPT (TYP.)

R/W (TYP.)

EXISTING R/W (TYP.)

200'NB'

BEGIN PROJECT
STA 194+33.37'NB'
Y = 547185.741
X = 785287.758
MATCH EXISTING
SAWCUT REQUIRED

BEGIN CONSTRUCTION
STA 300+00.00'V'
Y = 546902.636
X = 784495.628
MATCH EXISTING
SAWCUT REQUIRED

CTH P

195'NB'

195'SB'

190'NB'

190'SB'

185'NB'

STH 113

105'SB'

105'PNB'

300'V'

EXISTING R/W (TYP.)

CTH V

100'PNB'

BEGIN CONSTRUCTION
STA 100+00.00'PNB'
Y = 546551.999
X = 784664.290
MATCH EXISTING
SAWCUT REQUIRED

CTH P

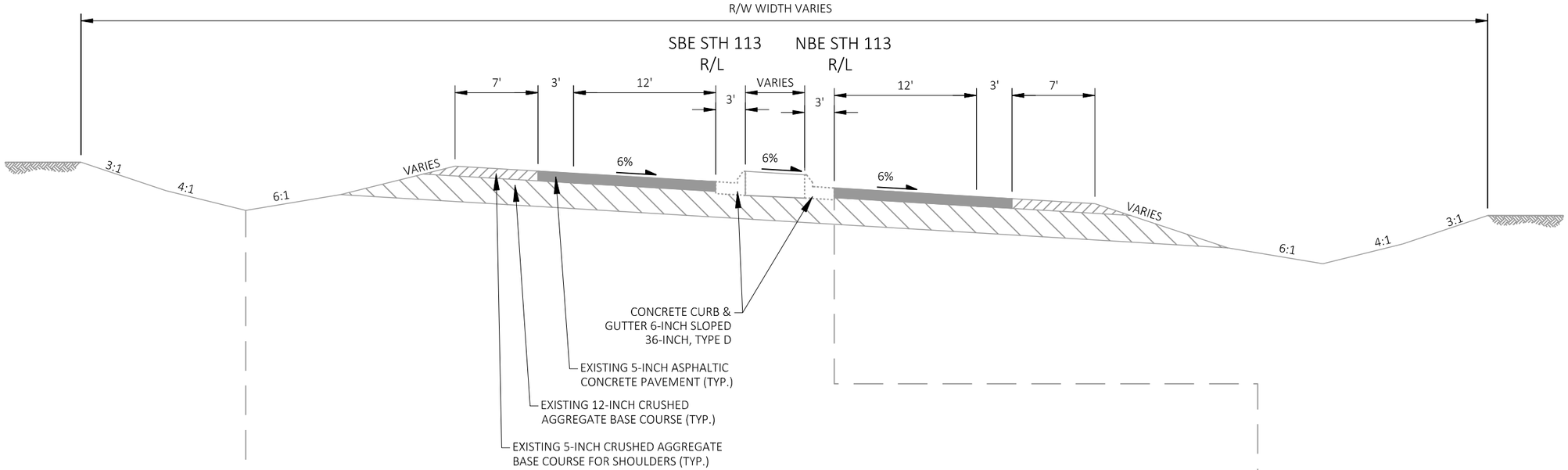
EXISTING R/W (TYP.)

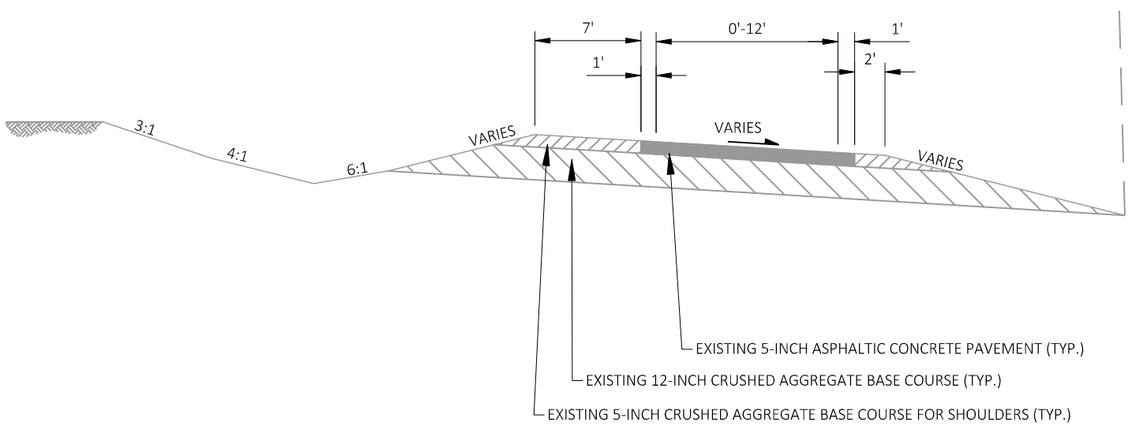
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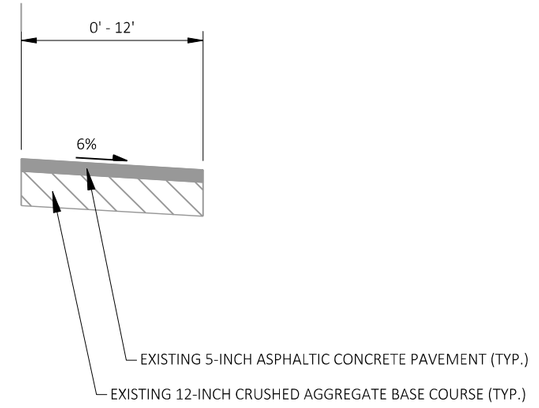
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2





RIGHT TURN LANE
STA 198+11'NBE' TO 200+86'NBE'

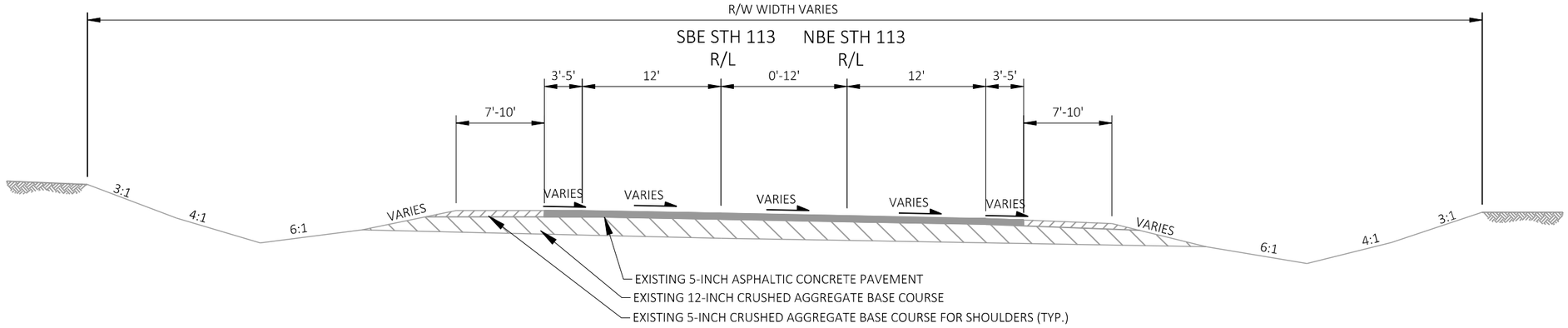


LEFT TURN LANE
STA 194+33'NBE' TO 197+70'NBE'

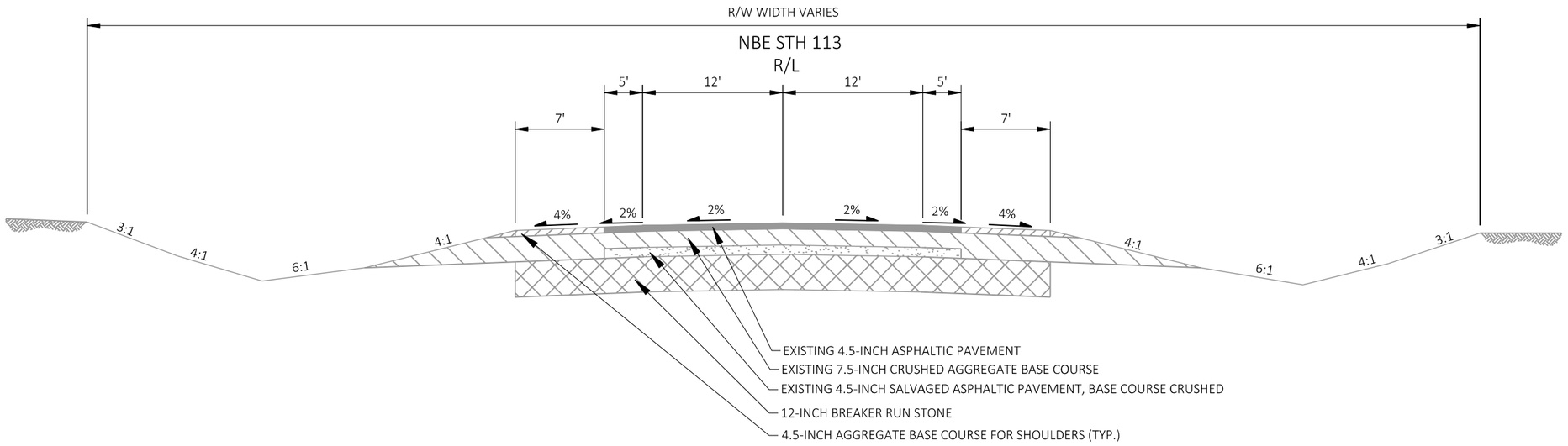
EXISTING TYPICAL SECTION STH 113
STA 194+33'NBE' TO 205+38'NBE'

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 4	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
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PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



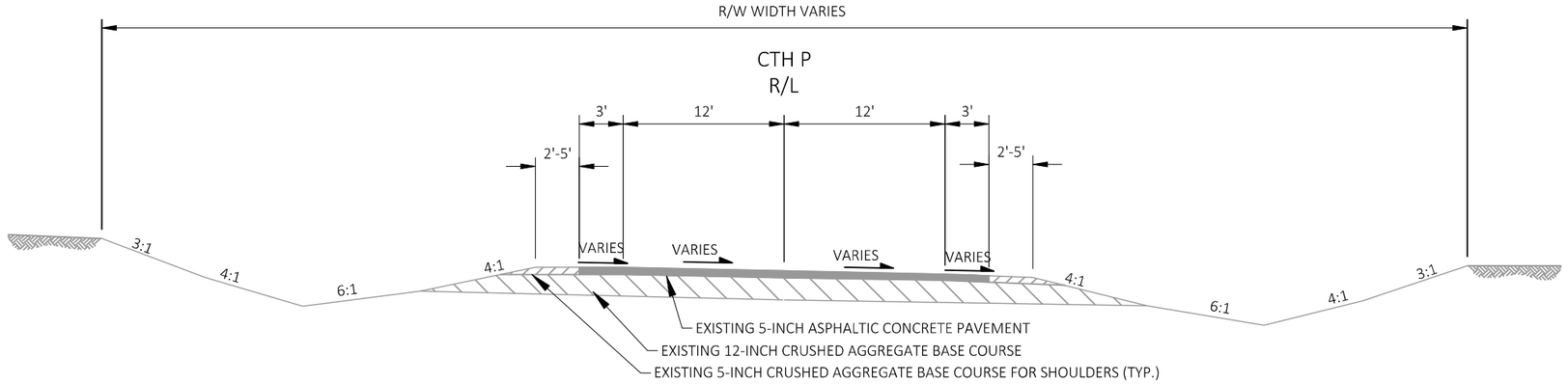
EXISTING TYPICAL SECTION STH 113
STA 205+38'NBE' TO 208+50'NBE'



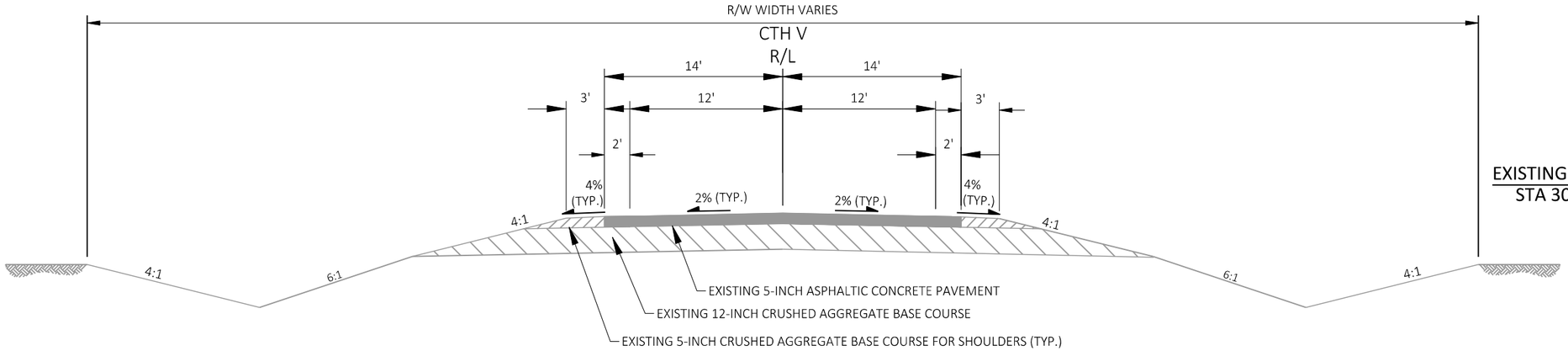
EXISTING TYPICAL SECTION STH 113
STA 208+50'NBE' TO 215+10'NBE'

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 5	E

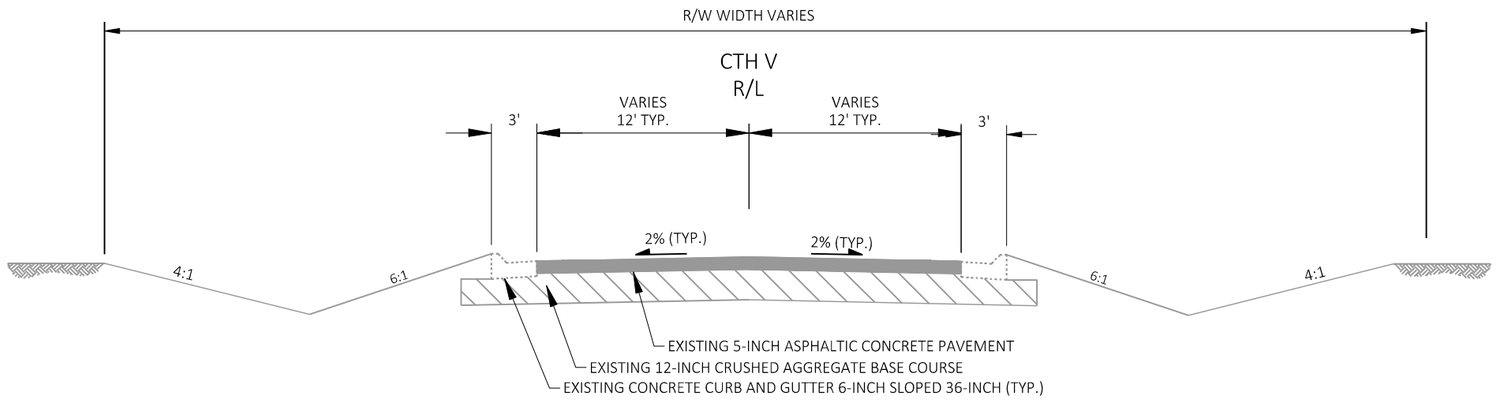
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WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION CTH P
STA 46+49'PE' TO 56+03'PE'

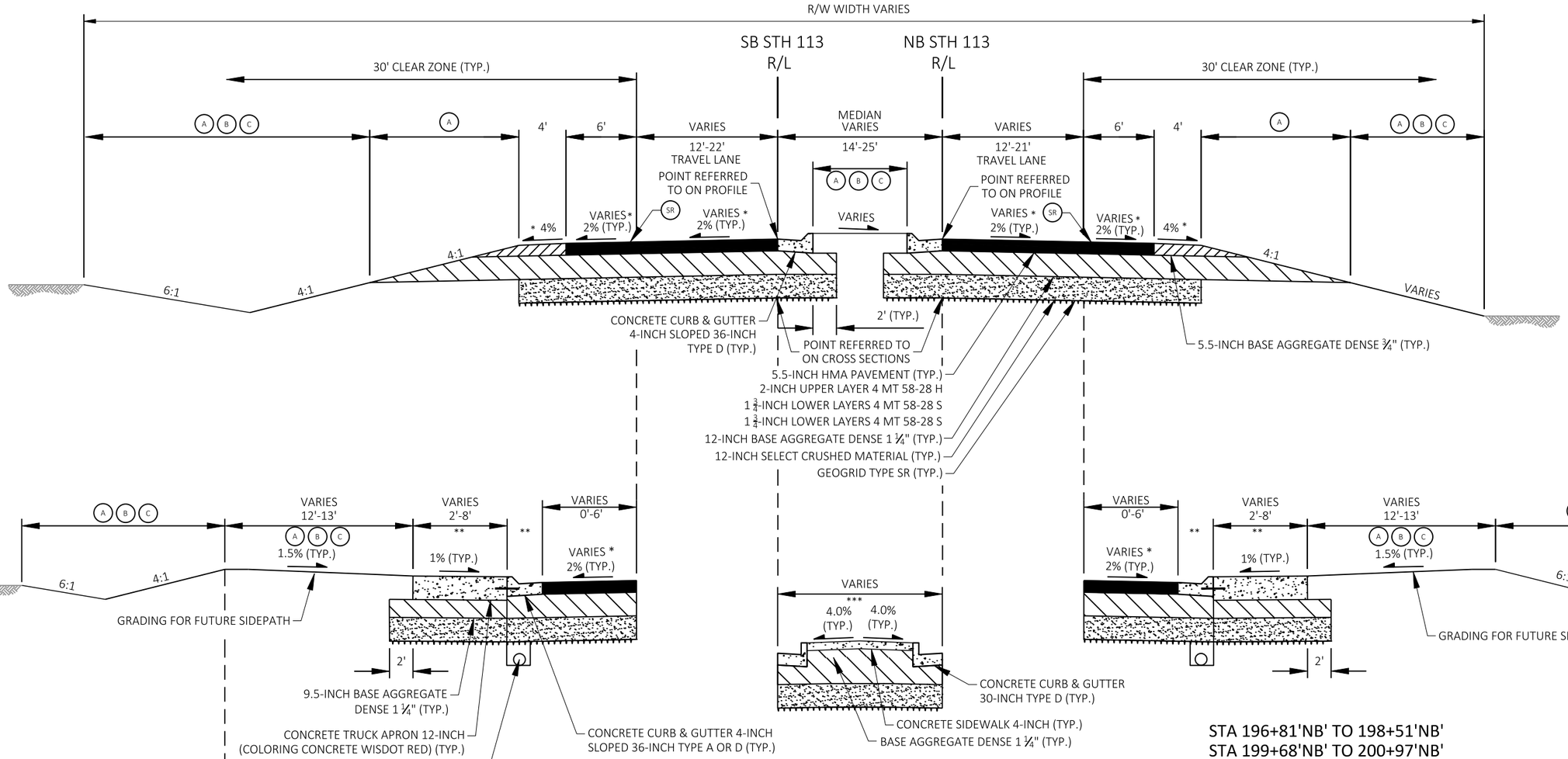


EXISTING TYPICAL SECTION CTH V
STA 300+00'V' TO 301+24'V'



EXISTING TYPICAL SECTION CTH V
STA 301+24'V' TO 301+69'V'

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 6	E



STA 197+34'SB' TO 198+64'SB'
STA 200+13'SB' TO 201+59'SB'

STA 200+13'SB' TO 204+99'SB'

STA 196+76'NB' TO 198+51'NB'
STA 199+68'NB' TO 201+51'NB'

STA 196+84'SB' TO 198+64'SB'
STA 200+13'SB' TO 201+87'SB'

STA 196+81'NB' TO 198+51'NB'
STA 199+68'NB' TO 200+97'NB'

TYPICAL FINISHED SECTION STH 113

STA 194+33'NB' TO 198+51'NB'
STA 199+68'NB' TO 203+21'NB'

STA 194+87'SB' TO 198+64'SB'
STA 200+13'SB' TO 203+29'SB'

LEGEND

- (A) SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND
- (B) 4" SALVAGED TOPSOIL
- (C) MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)
- (SR) ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL (NORTH LEG OF RAB ONLY)
- (CR) ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL (NORTH LEG OF RAB ONLY)

- CONCRETE PAVEMENT
- HMA PAVEMENT
- BASE AGGREGATE DENSE 3/4-INCH
- BASE AGGREGATE DENSE 1 1/4-INCH

NOTES

* SEE ALIGNMENT DETAILS FOR SUPERELEVATION TRANSITIONS

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

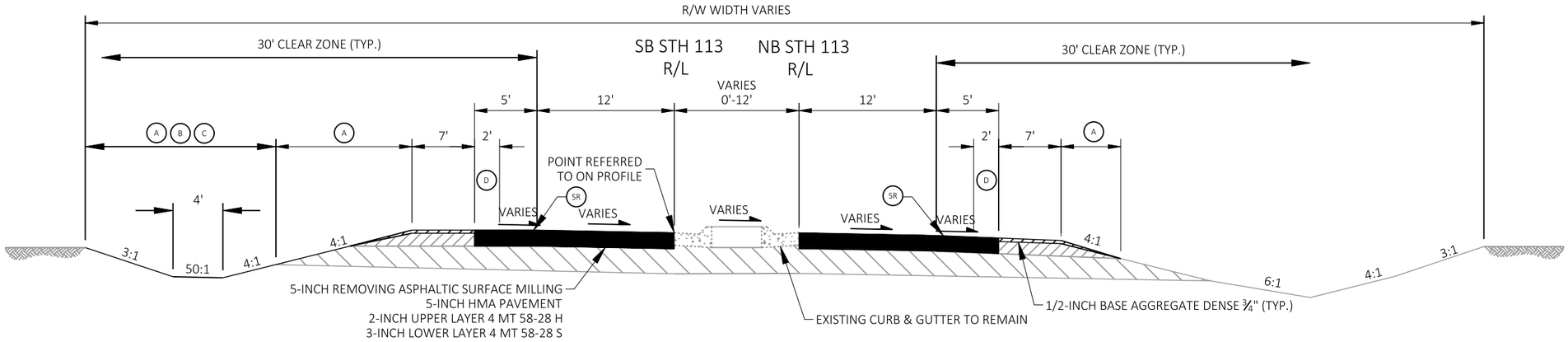
*** SEE PLAN FOR CONCRETE MEDIAN AREAS

SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS

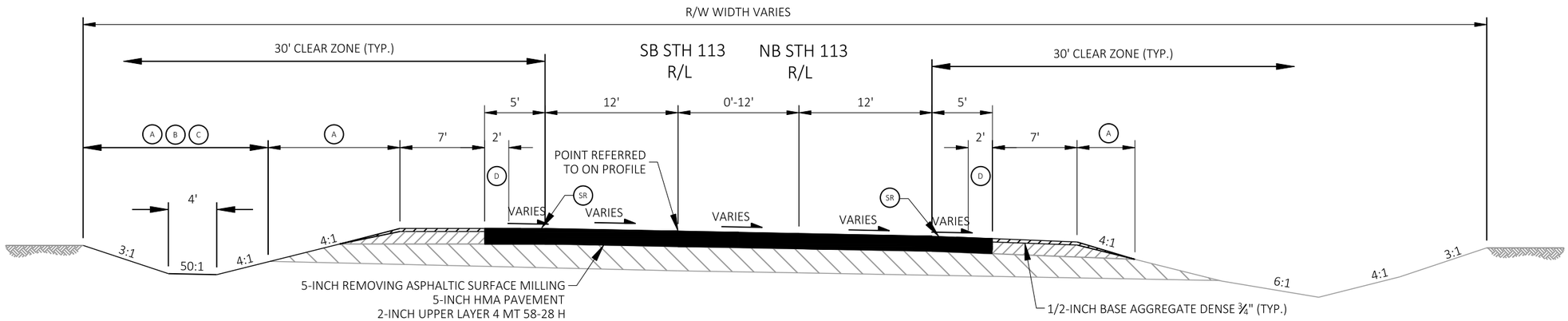
FRENCH DRAINS REQUIRED ON RURAL SECTIONS. SEE CONSTRUCTION DETAIL

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 7	E

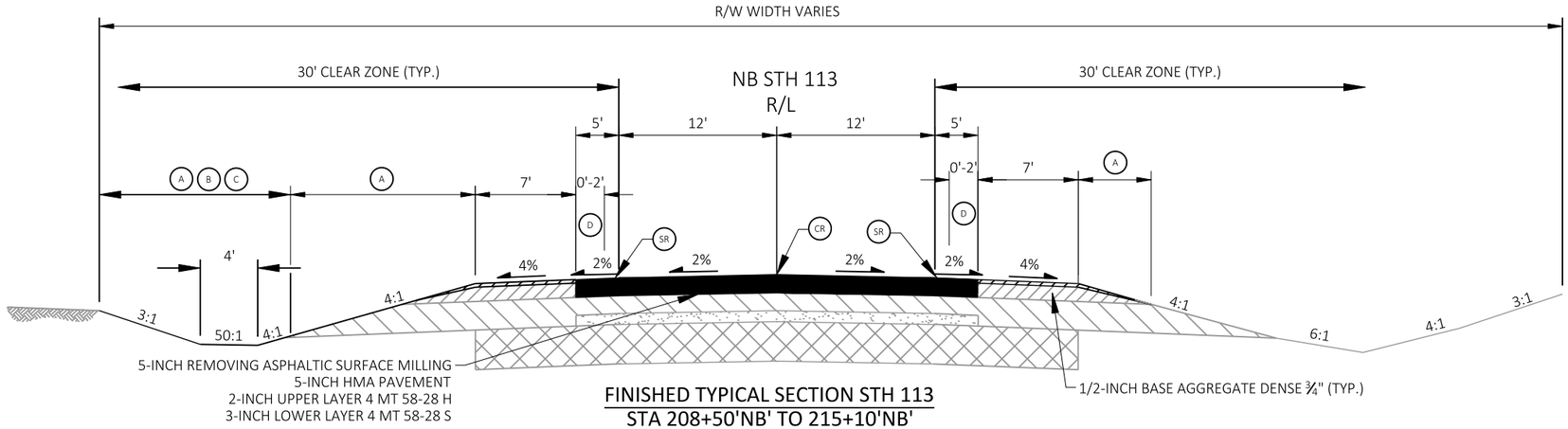
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PLOT DATE : 10/25/2022 4:54 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION STH 113
STA 203+21'NB' TO 205+38'NB'



FINISHED TYPICAL SECTION STH 113
STA 205+38'NB' TO 208+50'NB'



FINISHED TYPICAL SECTION STH 113
STA 208+50'NB' TO 215+10'NB'

CONCRETE PAVEMENT
HMA PAVEMENT
BASE AGGREGATE DENSE 3/4-INCH
BASE AGGREGATE DENSE 1 1/4-INCH

LEGEND

- (A) SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND
- (B) 4" SALVAGED TOPSOIL
- (C) MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)
- (D) PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS (TYP.) STA. 203+21 'NB' - 207+56 'NB & STA. 203+28 'S'B - 209+45 'SB'
- (SR) ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL
- (CR) ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL

NOTES

* SEE ALIGNMENT DETAILS FOR SUPERELEVATION TRANSITIONS

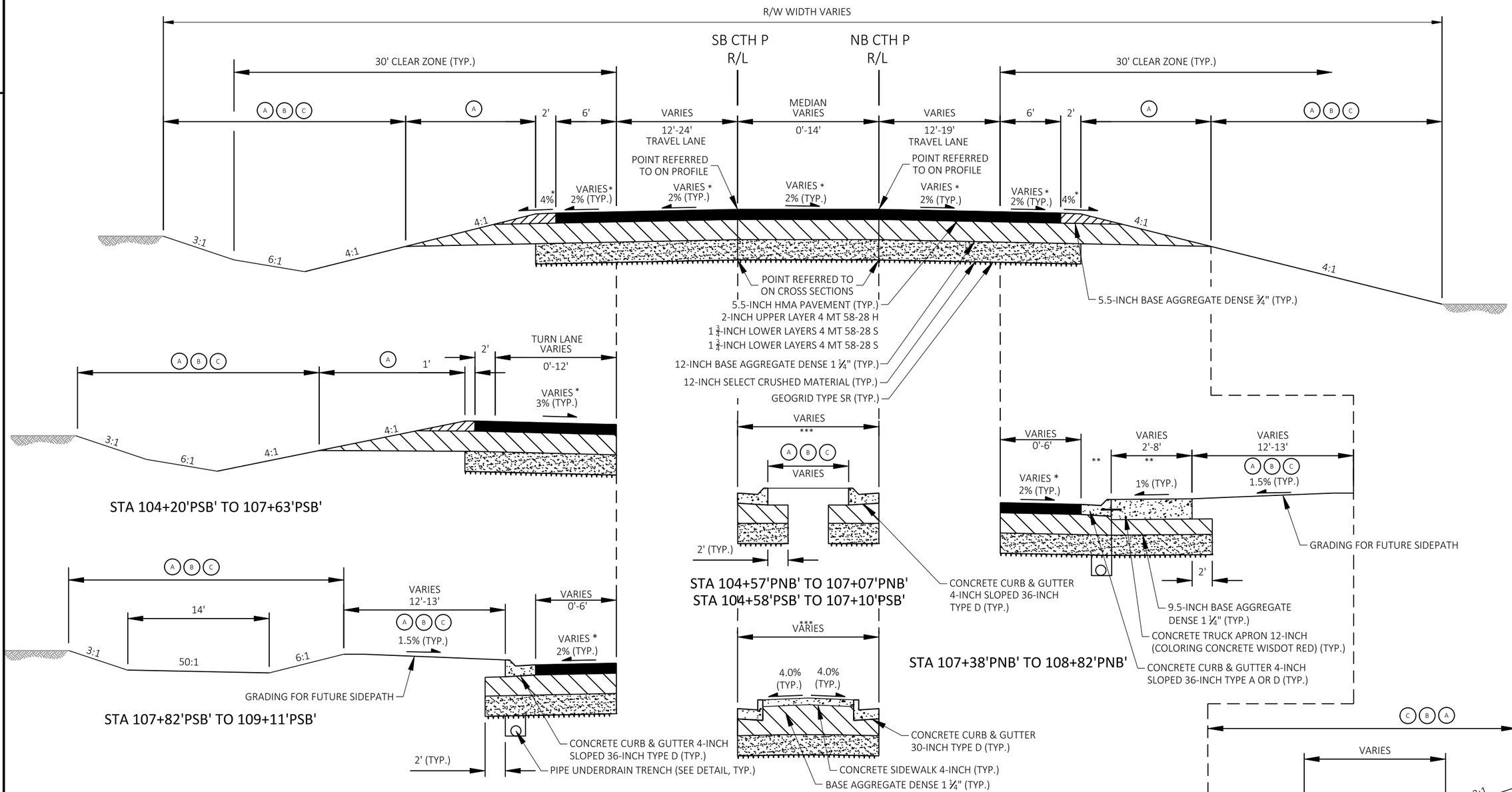
** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

*** SEE PLAN FOR CONCRETE MEDIAN AREAS

SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS

FRENCH DRAINS REQUIRED ON RURAL SECTIONS. SEE CONSTRUCTION DETAIL

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 8	E



LEGEND

- (A) SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND
- (B) 4" SALVAGED TOPSOIL
- (C) MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)

- CONCRETE PAVEMENT
- HMA PAVEMENT
- BASE AGGREGATE DENSE 3/4-INCH
- BASE AGGREGATE DENSE 1 1/4-INCH

TYPICAL FINISHED SECTION CTH P

STA 100+00'PNB' TO 108+82'PNB'

STA 101+85'PSB' TO 109+11'PSB'

NOTES

* SEE ALIGNMENT DETAILS FOR SUPERELEVATION TRANSITIONS

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

*** SEE PLAN FOR CONCRETE MEDIAN AREAS

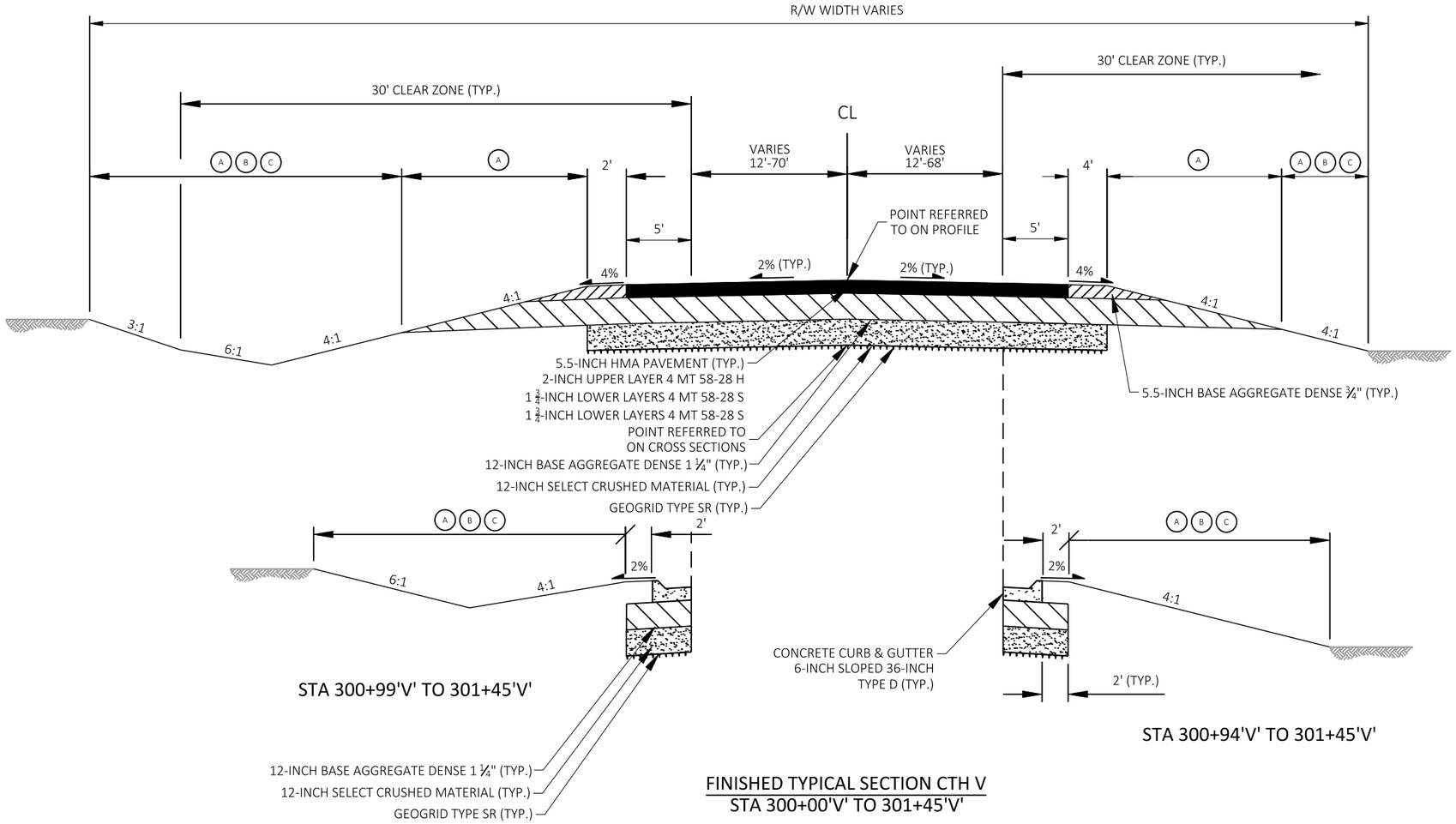
SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS

FRENCH DRAINS REQUIRED ON RURAL SECTIONS. SEE CONSTRUCTION DETAIL

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 9	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\020307-TS.DWG
LAYOUT NAME - 020309-ts
PLOT DATE : 10/25/2022 4:54 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION CTH V
STA 300+00'V' TO 301+45'V'

LEGEND

- (A) SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND
- (B) 4" SALVAGED TOPSOIL
- (C) MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)

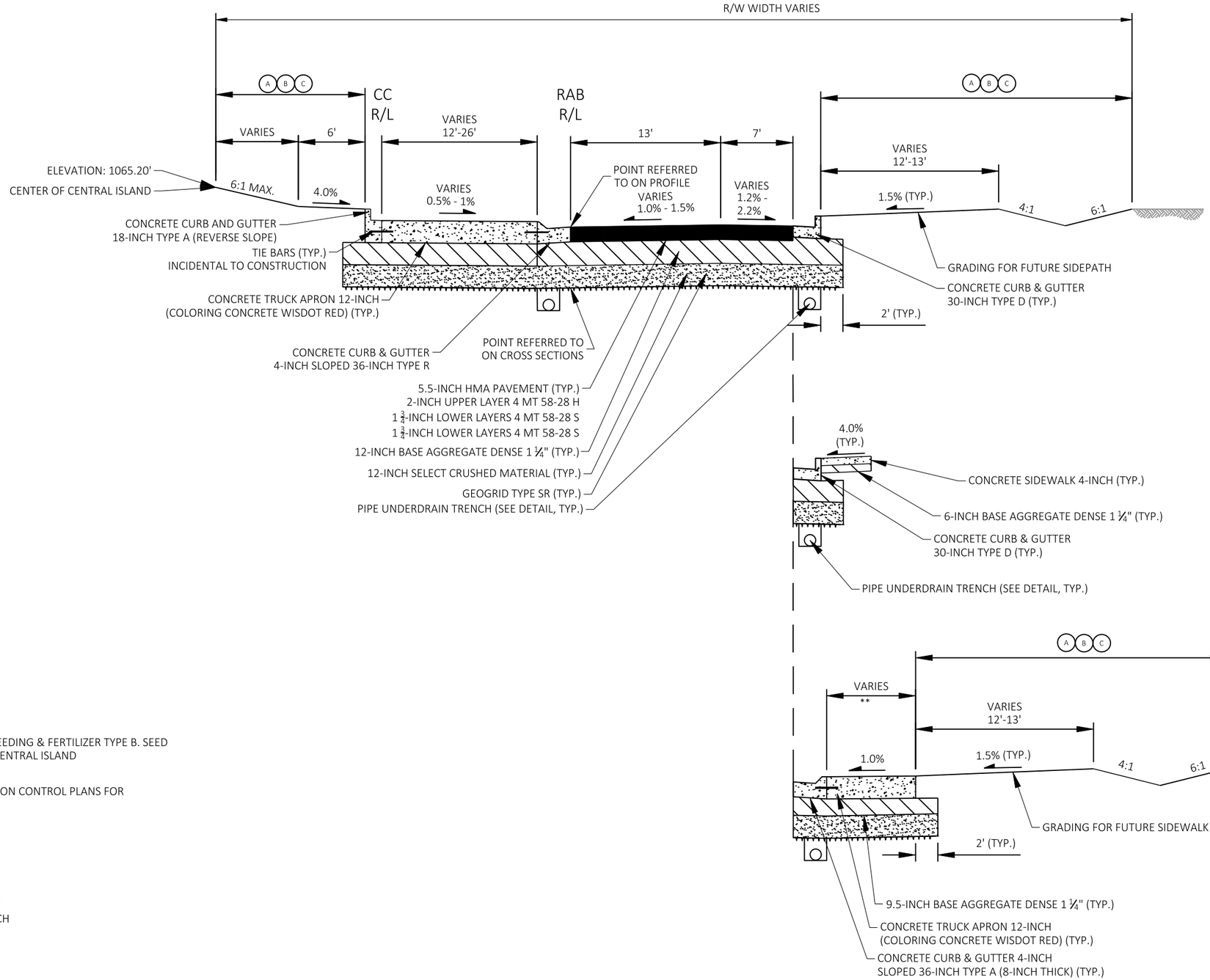
- CONCRETE PAVEMENT
- HMA PAVEMENT
- BASE AGGREGATE DENSE 3/4-INCH
- BASE AGGREGATE DENSE 1 1/4-INCH

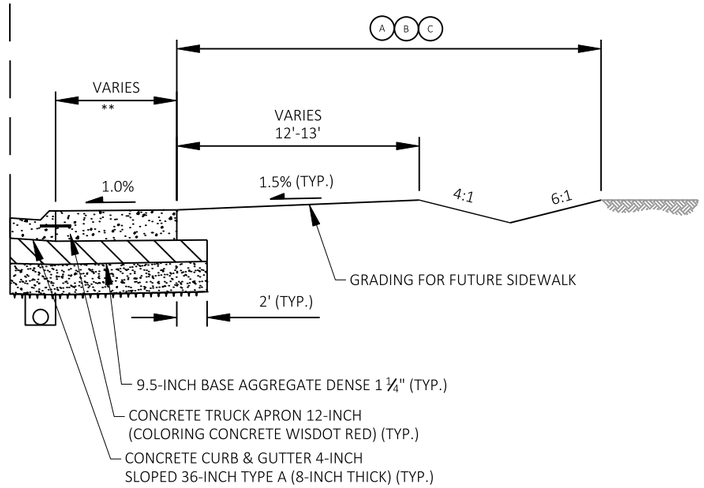
NOTES

FRENCH DRAINS REQUIRED ON RURAL SECTIONS. SEE CONSTRUCTION DETAIL

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 10	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\020307-TS.DWG
LAYOUT NAME - 020310-ts
PLOT DATE : 10/25/2022 4:54 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





LEGEND

- (A) SEED MIXTURE #20 WITH TEMPORARY SEEDING & FERTILIZER TYPE B. SEED MIXTURE #40 & FERTILIZER TYPE B FOR CENTRAL ISLAND
- (B) 4" SALVAGED TOPSOIL
- (C) MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)

- CONCRETE PAVEMENT
- HMA PAVEMENT
- BASE AGGREGATE DENSE 3/4-INCH
- BASE AGGREGATE DENSE 1 1/4-INCH

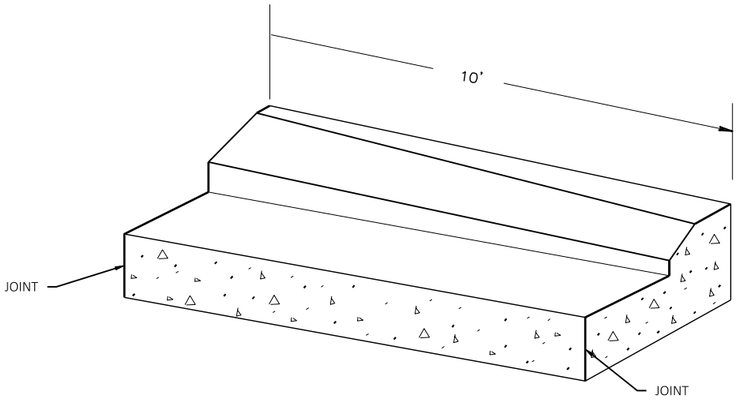
NOTES

** SEE PLAN DETAILS AND ALIGNMENT DETAILS FOR OVERTRACKING PAD LOCATIONS

SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS

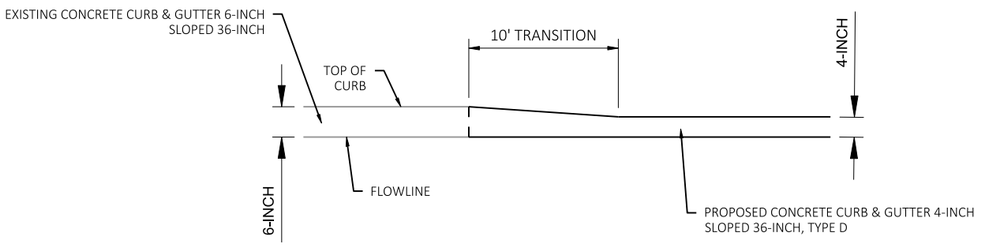
TYPICAL FINISHED SECTION ROUNDABOUT
STA 10+00'RAB' TO 13+46'RAB'

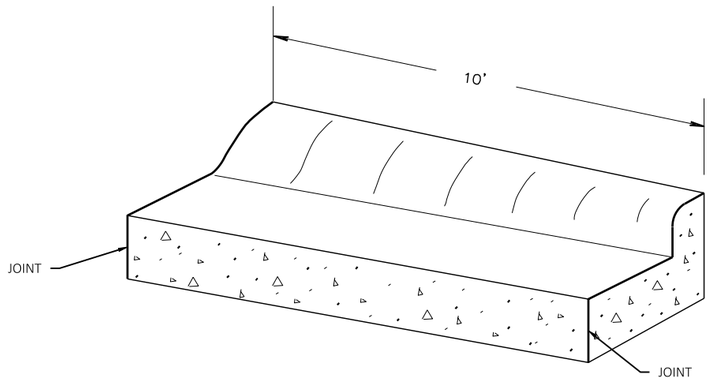
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 11	E



CONCRETE CURB & GUTTER
CURB HEAD HEIGHT TRANSITION DETAIL

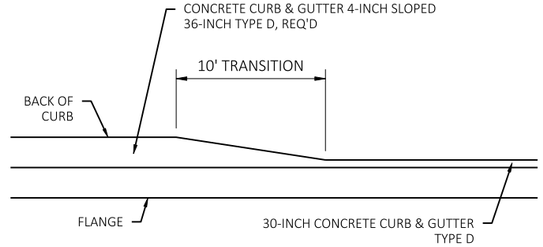
EXISTING CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D, TO PROPOSED CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D (TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER, 4-INCH SLOPED 36-INCH TYPE D). REFER TO INTERSECTION DETAILS FOR CURB TRANSITION LOCATIONS.





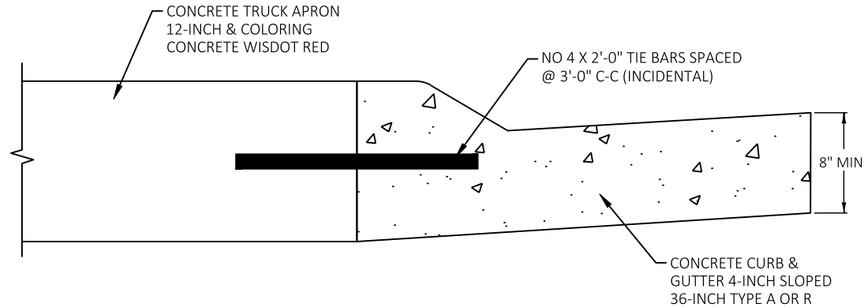
CONCRETE CURB & GUTTER
CURB HEAD WIDTH TRANSITION DETAIL

CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D, TO CONCRETE CURB & GUTTER 30-INCH TYPE D (TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER, 4-INCH SLOPED 36-INCH TYPE D). REFER TO INTERSECTION DETAILS FOR CURB TRANSITION LOCATIONS.

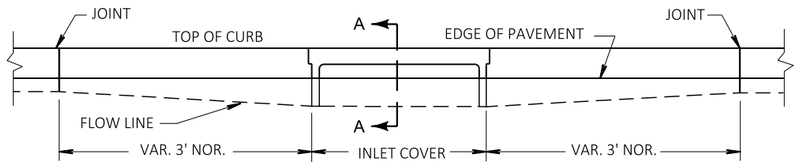


PLAN VIEW

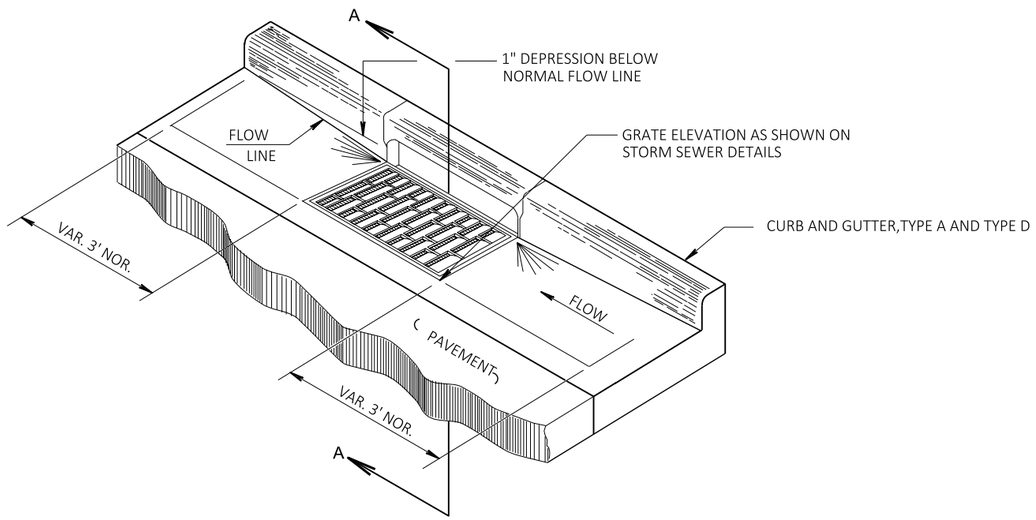
NOTE: PLACE 9.5" BASE AGGREGATE DENSE 1¼-INCH AND 12" SELECT CRUSHED MATERIAL W/ GEOGRID TYPE SR UNDER CONCRETE TRUCK APRON 12-INCH AND EXTEND TWO-FOOT BEYOND EDGE OF CONCRETE.

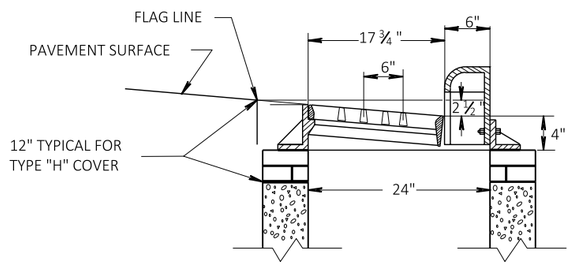


TRUCK OVERTRACKING PAD DETAIL



ELEVATION

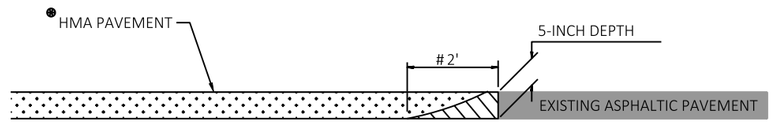




SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 2X3 FT-H INLET SHOWN)



SEE TYPICAL CROSS SECTION FOR PAVEMENT TYPE AND THICKNESS OF INDIVIDUAL LAYERS

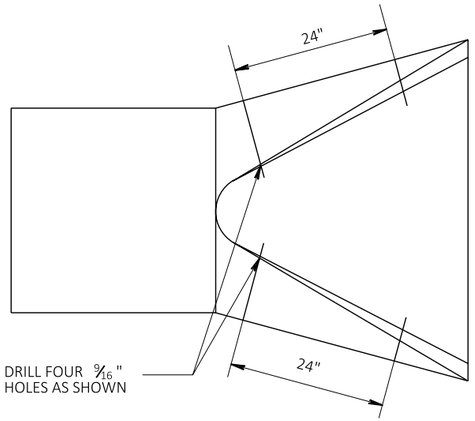
PAY LIMITS FOR REMOVING ASPHALTIC SURFACE BUTT JOINTS

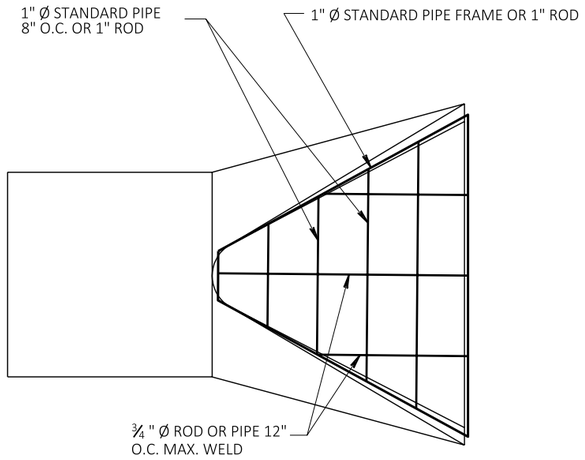
REMOVING ASPHALTIC SURFACE MILLING

REMOVE ASPHALTIC SURFACE WEDGE AT BUTT JOINT TO CREATE VERTICAL EDGE

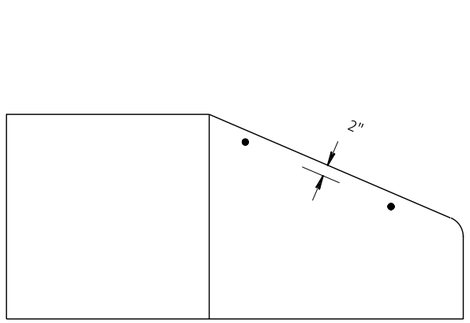
BUTT JOINT DETAIL FOR MILLED ASPHALTIC PAVEMENTS

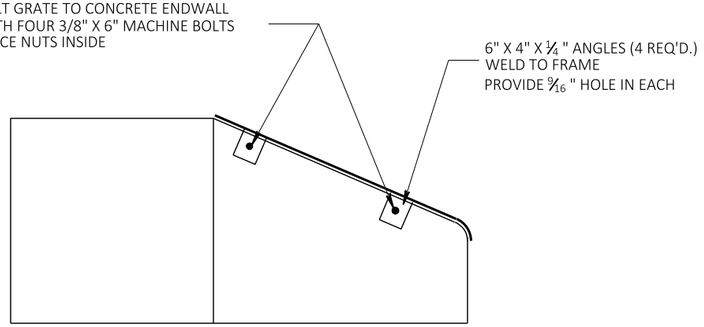
2

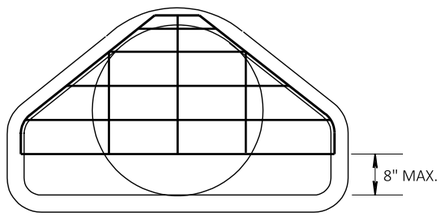




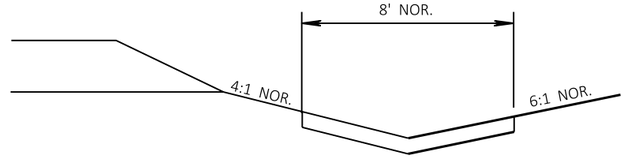
AT EACH PIPE



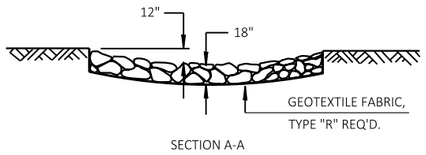




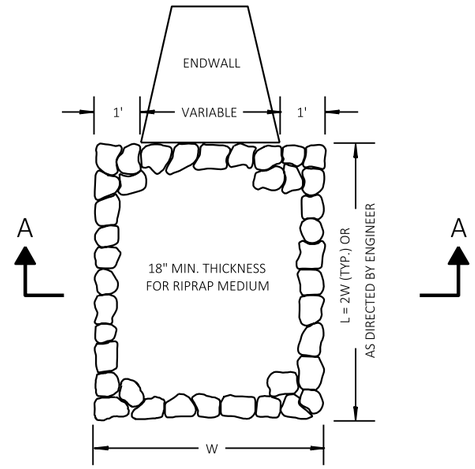
PIPE GRATE DETAIL



EROSION MAT DETAIL FOR DITCHES

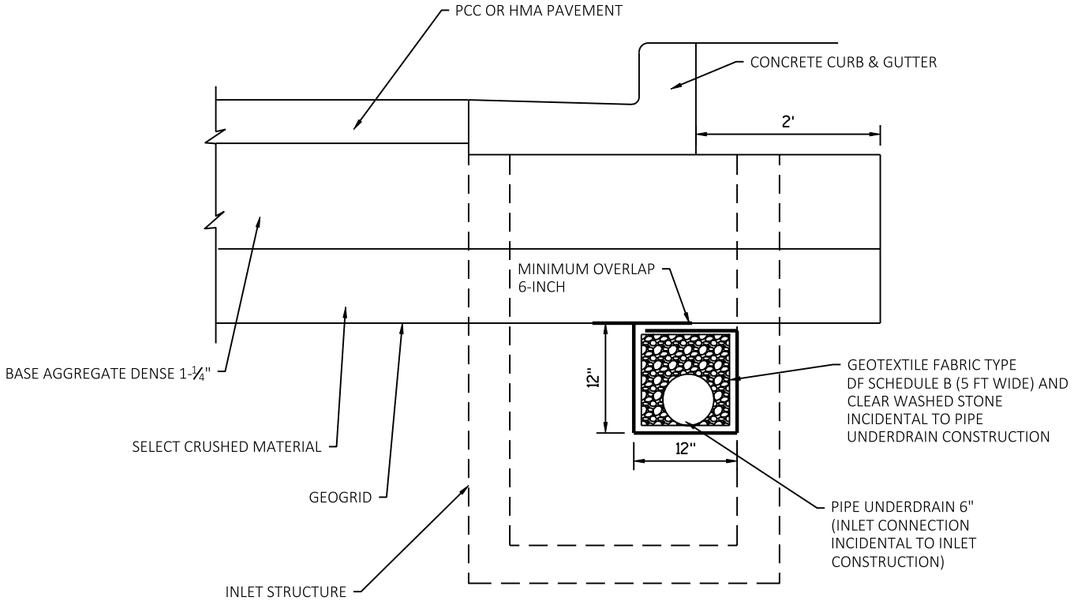


SECTION A-A



RIPRAP MEDIUM TREATMENT AT CULVERTS

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 14	E

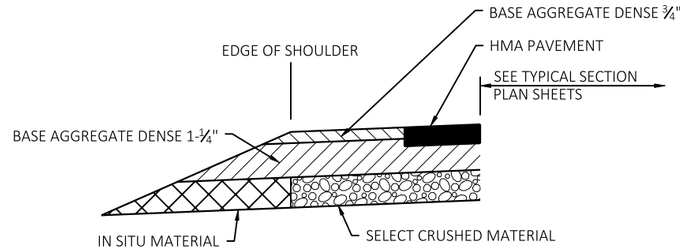


PIPE UNDERDRAINS
AND INLET CONNECTIONS DETAIL

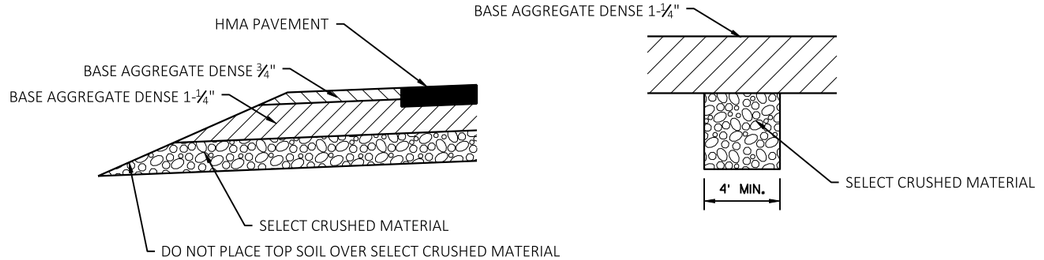
RUNOFF COEFFICIENT TABLE

	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 = 9.8 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.8 ACRES

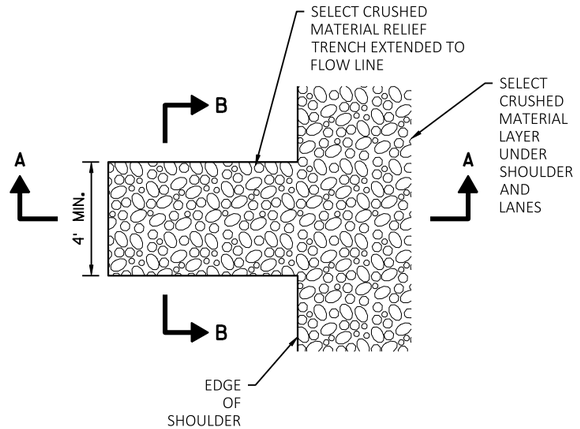


TYPICAL HALF SECTION WITH SELECT MATERIALS



SECTION A-A

SECTION B-B



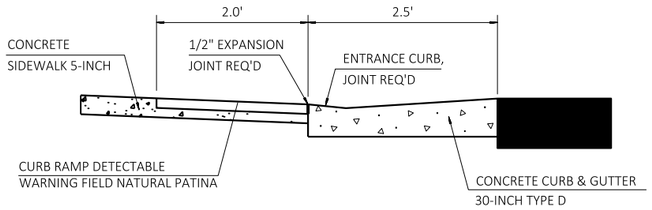
FRENCH DRAINS DETAIL

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

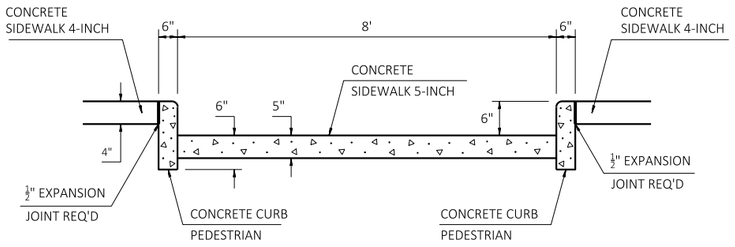
LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL
BE CONSIDERED INCIDENTAL TO THE BID ITEM SELECT CRUSHED MATERIAL.

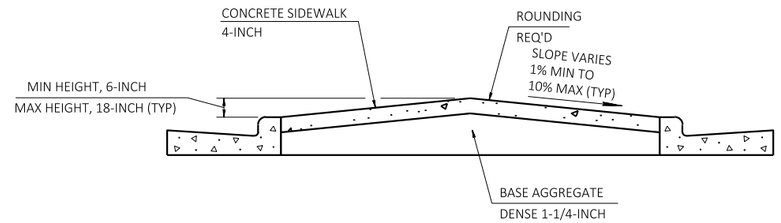
2



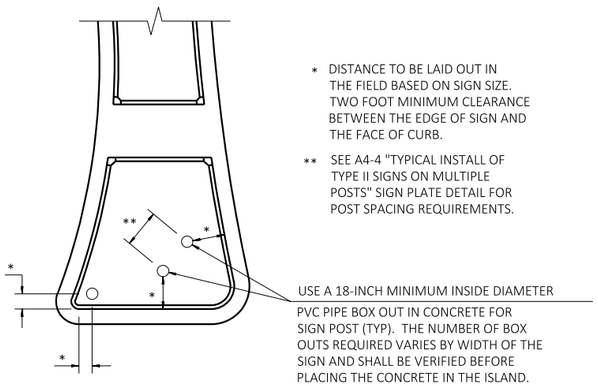
SECTION A-A



SECTION B-B



SECTION C-C

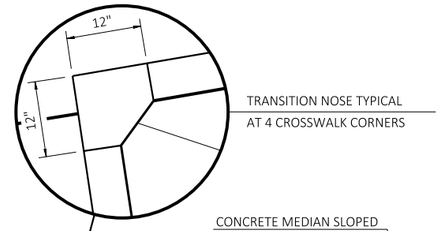


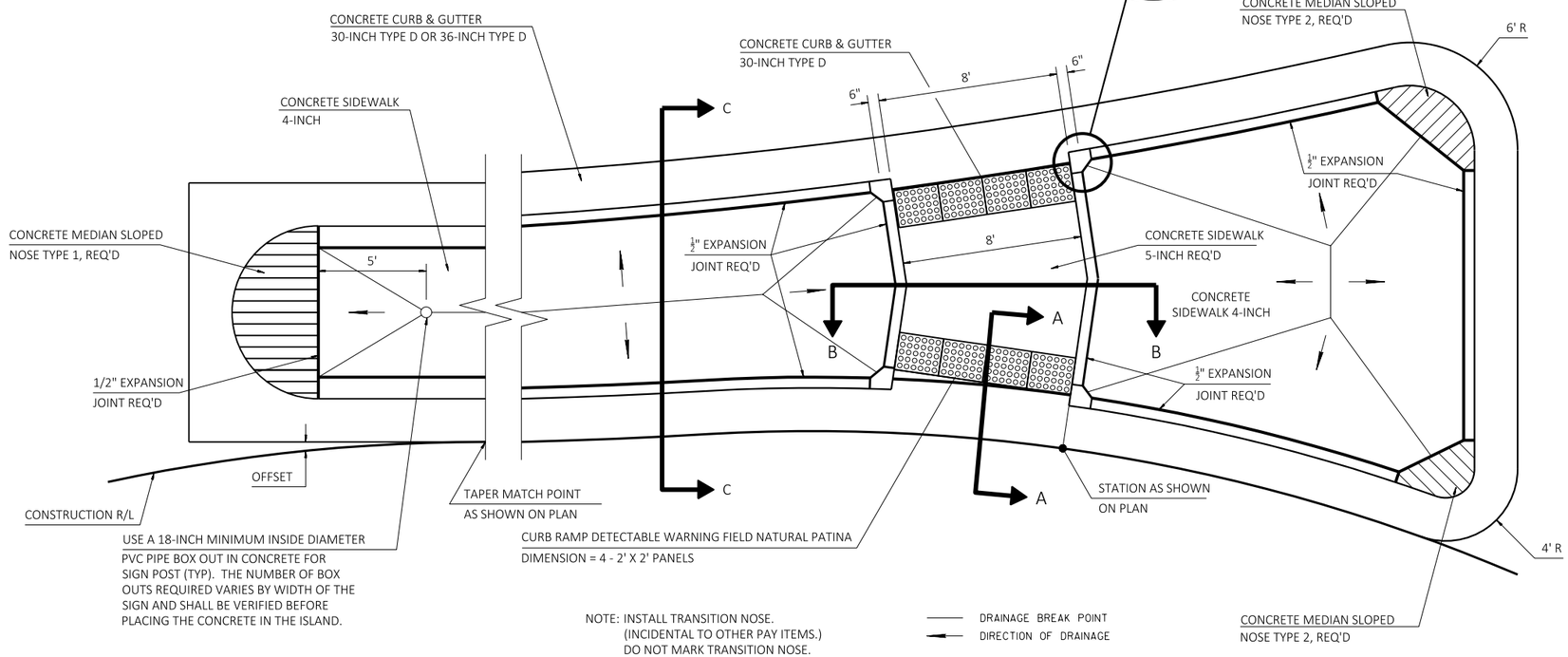
* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

** SEE A4-4 "TYPICAL INSTALL OF TYPE II SIGNS ON MULTIPLE POSTS" SIGN PLATE DETAIL FOR POST SPACING REQUIREMENTS.

USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)





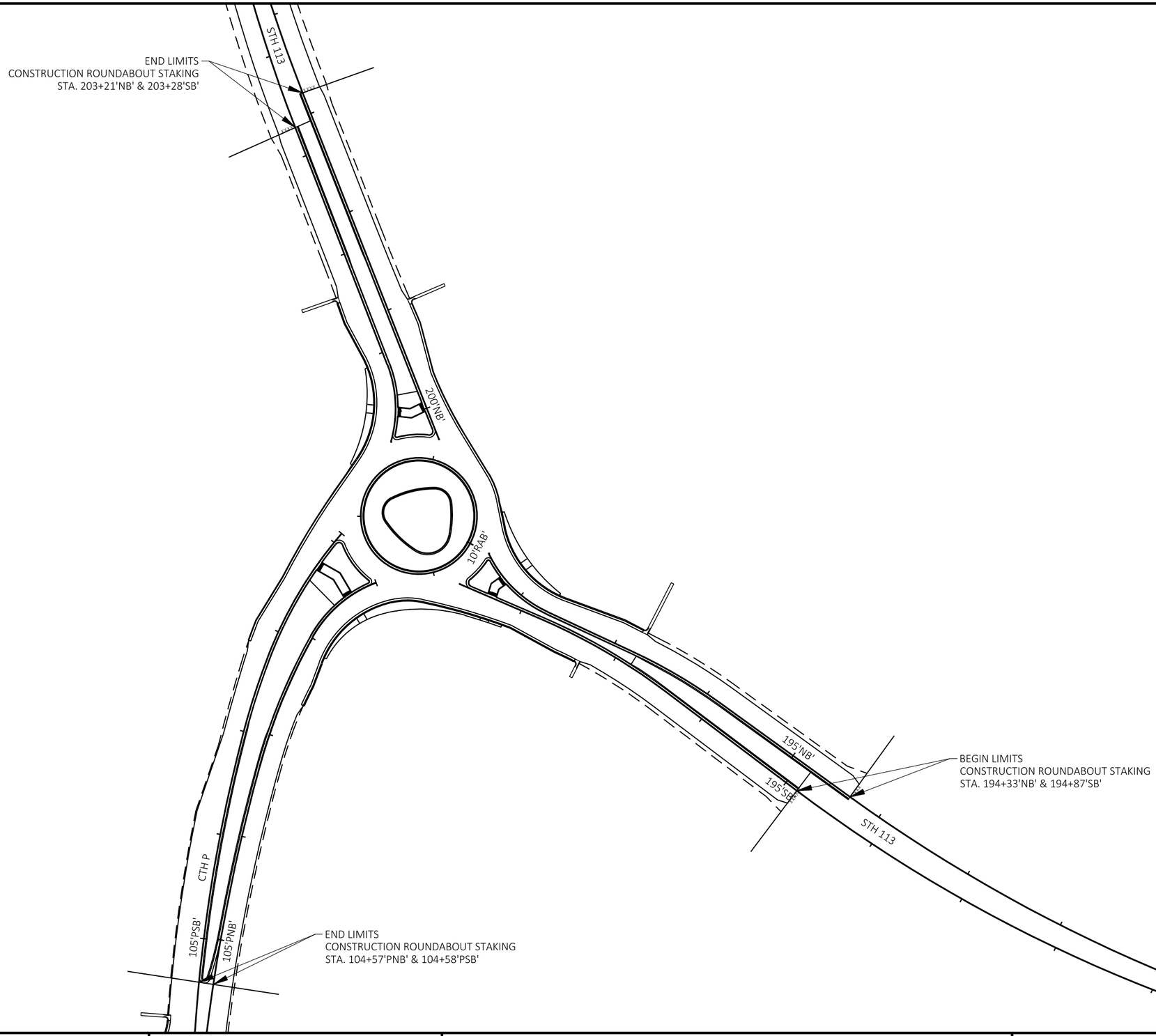
NOTE: INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

DRAINAGE BREAK POINT

DIRECTION OF DRAINAGE

SPLITTER ISLAND DETAIL

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 16	E



2

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CONSTRUCTION DETAILS - CONSTRUCTION ROUNDABOUT STAKING	SHEET 17	E

2

2

N

MATCHLINE - STA. 193+00.00'NB'

MATCHLINE - STA. 304+00.00'NB'

194'SB'

195'SB'

196'SB'

197'SB'

198'SB'

194'NB'

195'NB'

196'NB'

197'NB'

198'NB'

DRILLED TIE BARS

TH

STH 113

GRASS

HMA-5.5

CS-4

CS-5

CR-5

CCP

AF

CTAR-12

TW

4S-36D

4S-36A

30D

R150'

R545'

R180'

+96.37
-18.00'LT

+86.94
-14.70'LT

+27.66
-19.94'LT

+17.51
-18.00'LT

+11.43
-22.00'LT

+47.30
-25.36'LT

+74.37
3.00'RT

+84.31
2.50'RT

+33.37
14.79'RT

+42.84
18.00'RT

+66.39
-3.00'LT

+76.44
-2.50'LT

+66.25
18.03'RT

+75.66
20.22'RT

+66.45
21.00'RT

PAVEMENT DETAILS LEGEND

CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
CS-4	CONCRETE SIDEWALK 4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
HMA-5	HMA PAVEMENT 5-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CCP	CONCRETE CURB PEDESTRIAN
AF	ASPHALTIC FLUME
CR-X	CURB RAMP TYPE X
BAD PE	BASE AGGREGATE DENSE PRIVATE ENTRANCE

PROPOSED INLET

(TH) 10' CURB HEIGHT TRANSITION

(TW) 10' CURB WIDTH TRANSITION

XXX CONCRETE CURB & GUTTER TYPE X, XX-INCH

NOTES
1. ALL RADIUS DIMENSIONS ARE TO FACE OF CURB & GUTTER.
2. DIMENSIONS AND DATA POINT OFFSETS SHOWN ARE TO FLANGE LINE OR LANE LINE.
3. SEE ALIGNMENT DETAILS FOR CURB ALIGNMENTS
4. CURB RAMP DETECTABLE WARNING FIELDS ARE NATURAL PATINA. SEE CURB RAMP DETAILS FOR CURB RAMP LAYOUTS.

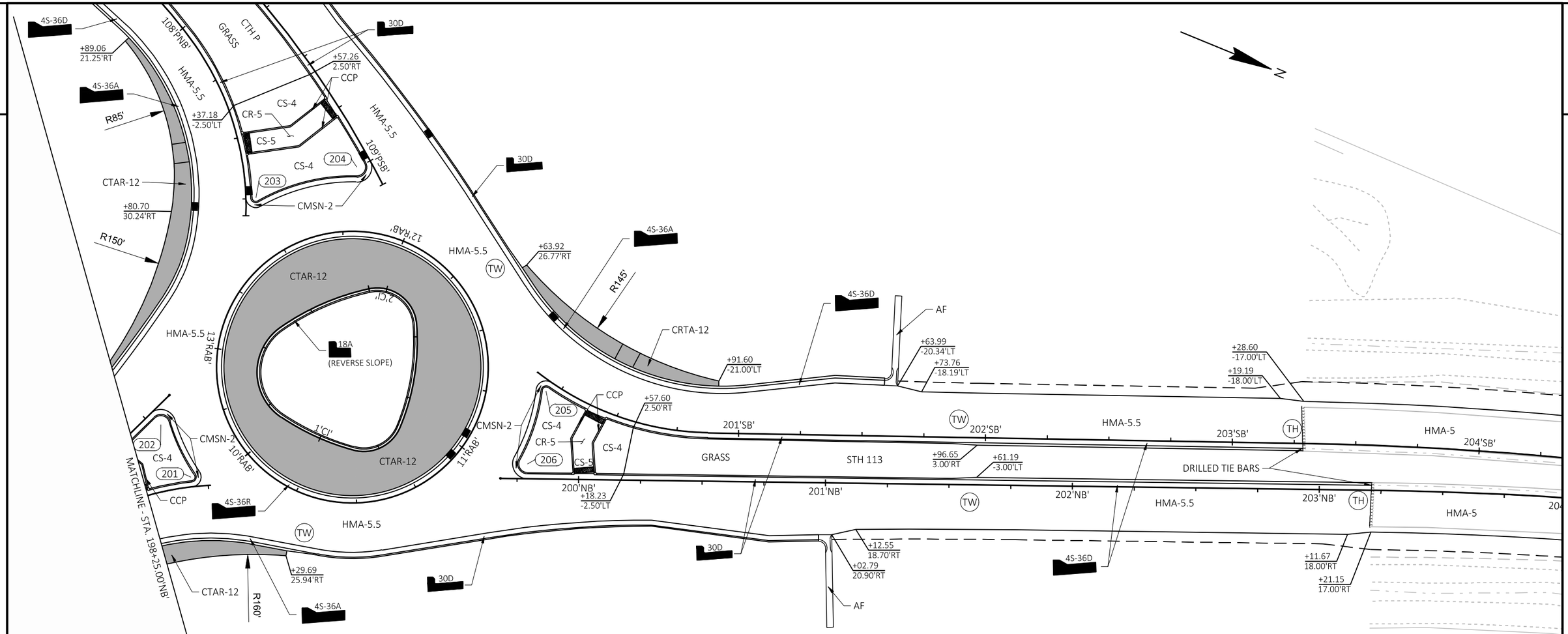
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT DETAILS	SHEET 18	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd

PLOT DATE : 12/20/2022 8:22 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



SHEET 2					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
201	198+43.47 '113 NB'	4.00' LT	547408.13	784945.26	2'
202	198+52.85 '113 SB'	6.00' RT	547388.65	784930.20	4'
203	108+74.66 'PNB'	4.00' LT	547389.54	784830.67	2'
204	108+99.78 'PSB'	6.00' RT	547422.77	784803.74	4'
205	200+20.10 '113 SB'	4.00' RT	547527.94	784858.56	2'
206	199+79.15 '113 NB'	6.00' LT	547532.18	784888.87	3.5'

PAVEMENT DETAILS LEGEND

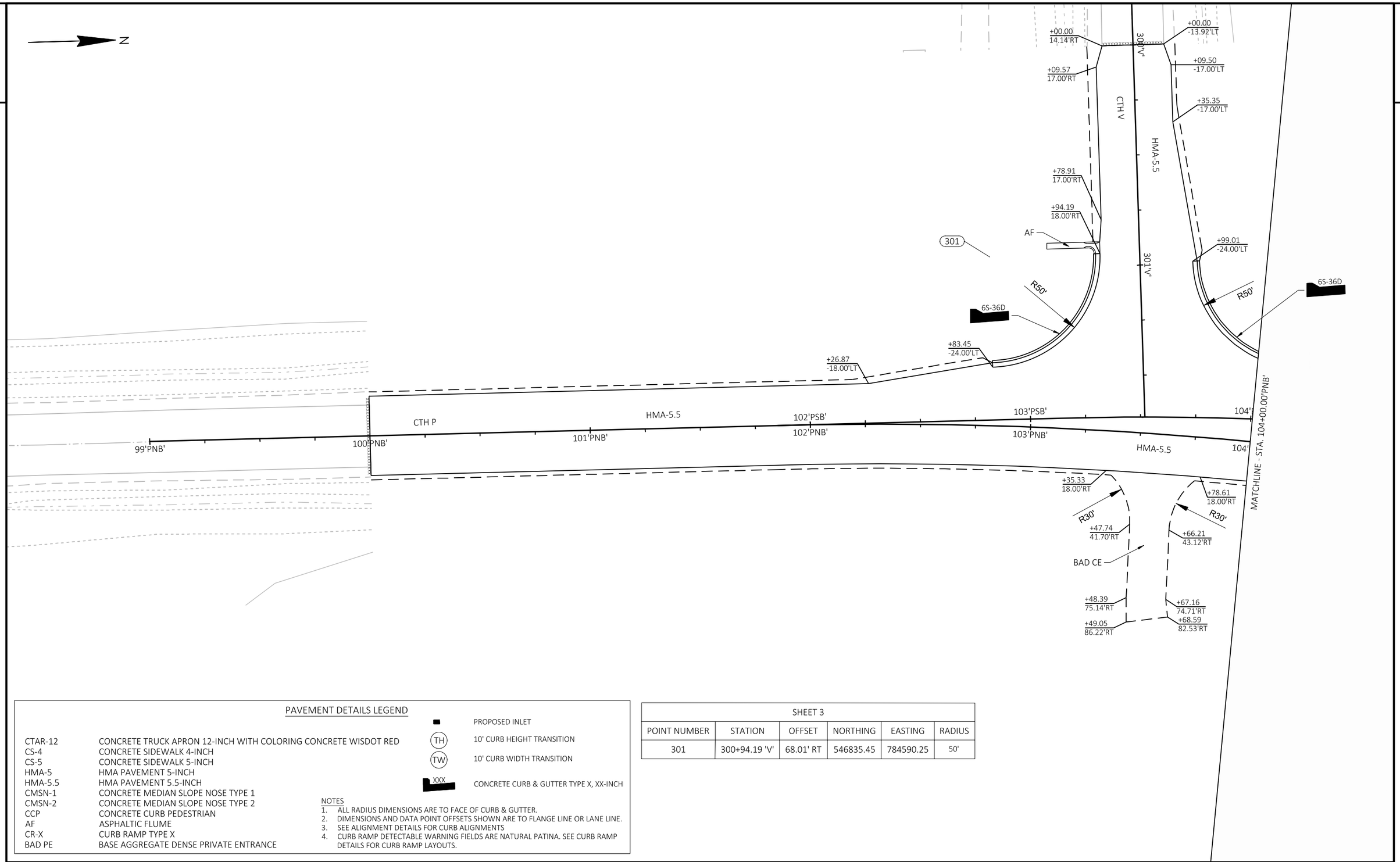
CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
CS-4	CONCRETE SIDEWALK 4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
HMA-5	HMA PAVEMENT 5-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CCP	CONCRETE CURB PEDESTRIAN
AF	ASPHALTIC FLUME
CR-X	CURB RAMP TYPE X
BAD PE	BASE AGGREGATE DENSE PRIVATE ENTRANCE

■	PROPOSED INLET
(TH)	10' CURB HEIGHT TRANSITION
(TW)	10' CURB WIDTH TRANSITION
■ XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH

NOTES
1. ALL RADIUS DIMENSIONS ARE TO FACE OF CURB & GUTTER.
2. DIMENSIONS AND DATA POINT OFFSETS SHOWN ARE TO FLANGE LINE OR LANE LINE.
3. SEE ALIGNMENT DETAILS FOR CURB ALIGNMENTS
4. CURB RAMP DETECTABLE WARNING FIELDS ARE NATURAL PATINA. SEE CURB RAMP DETAILS FOR CURB RAMP LAYOUTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT DETAILS	SHEET 19 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 12/20/2022 8:22 AM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PAVEMENT DETAILS LEGEND

CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
CS-4	CONCRETE SIDEWALK 4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
HMA-5	HMA PAVEMENT 5-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CCP	CONCRETE CURB PEDESTRIAN
AF	ASPHALTIC FLUME
CR-X	CURB RAMP TYPE X
BAD PE	BASE AGGREGATE DENSE PRIVATE ENTRANCE

	PROPOSED INLET
TH	10' CURB HEIGHT TRANSITION
TW	10' CURB WIDTH TRANSITION
XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH

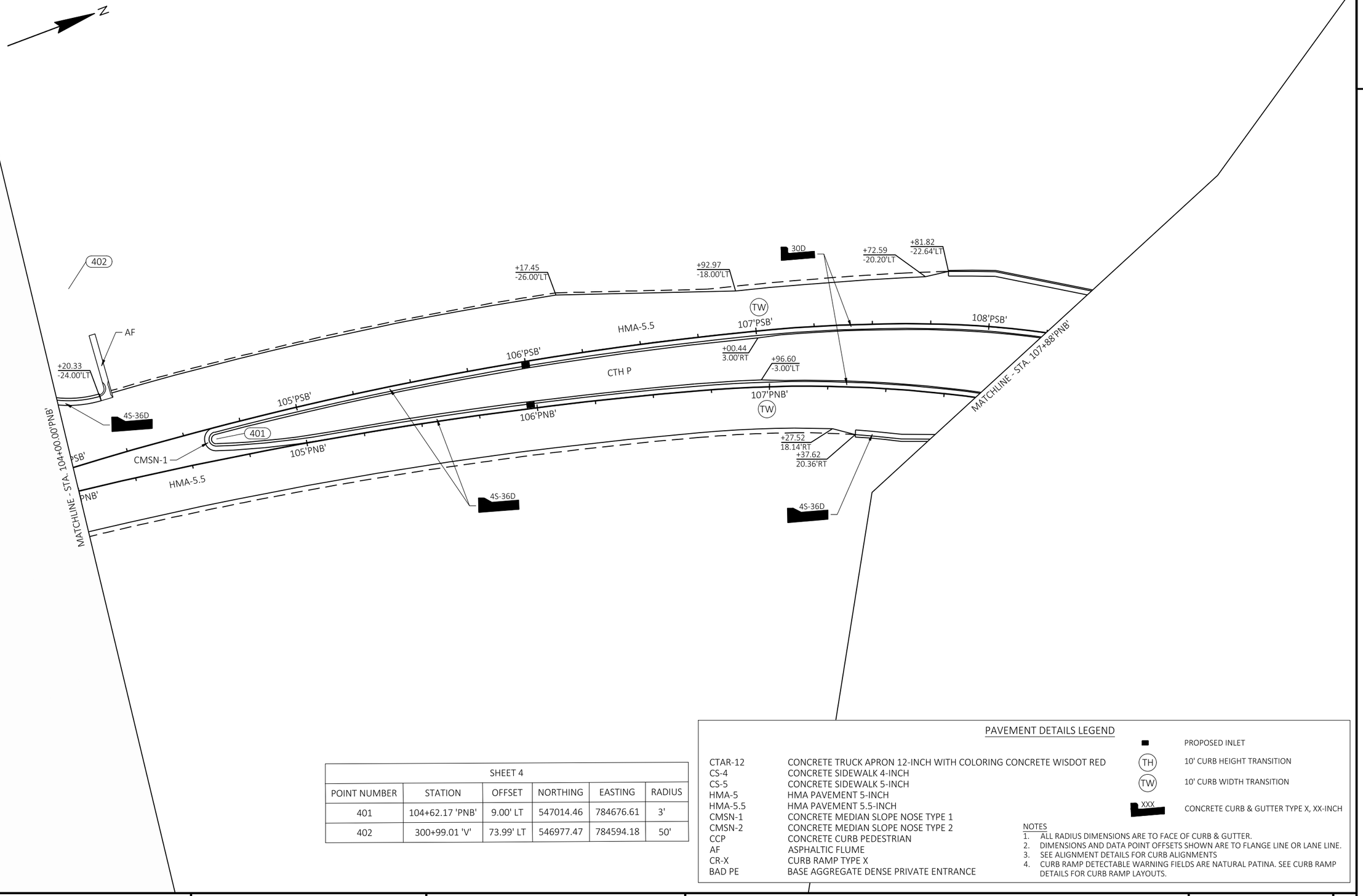
NOTES
1. ALL RADIUS DIMENSIONS ARE TO FACE OF CURB & GUTTER.
2. DIMENSIONS AND DATA POINT OFFSETS SHOWN ARE TO FLANGE LINE OR LANE LINE.
3. SEE ALIGNMENT DETAILS FOR CURB ALIGNMENTS
4. CURB RAMP DETECTABLE WARNING FIELDS ARE NATURAL PATINA. SEE CURB RAMP DETAILS FOR CURB RAMP LAYOUTS.

SHEET 3					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
301	300+94.19 'V'	68.01' RT	546835.45	784590.25	50'

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT DETAILS	SHEET 20	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd
PLOT DATE : 12/20/2022 8:22 AM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



SHEET 4					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	RADIUS
401	104+62.17 'PNB'	9.00' LT	547014.46	784676.61	3'
402	300+99.01 'V'	73.99' LT	546977.47	784594.18	50'

PAVEMENT DETAILS LEGEND

CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
CS-4	CONCRETE SIDEWALK 4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
HMA-5	HMA PAVEMENT 5-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CCP	CONCRETE CURB PEDESTRIAN
AF	ASPHALTIC FLUME
CR-X	CURB RAMP TYPE X
BAD PE	BASE AGGREGATE DENSE PRIVATE ENTRANCE

■	PROPOSED INLET
TH	10' CURB HEIGHT TRANSITION
TW	10' CURB WIDTH TRANSITION
XXX	CONCRETE CURB & GUTTER TYPE X, XX-INCH

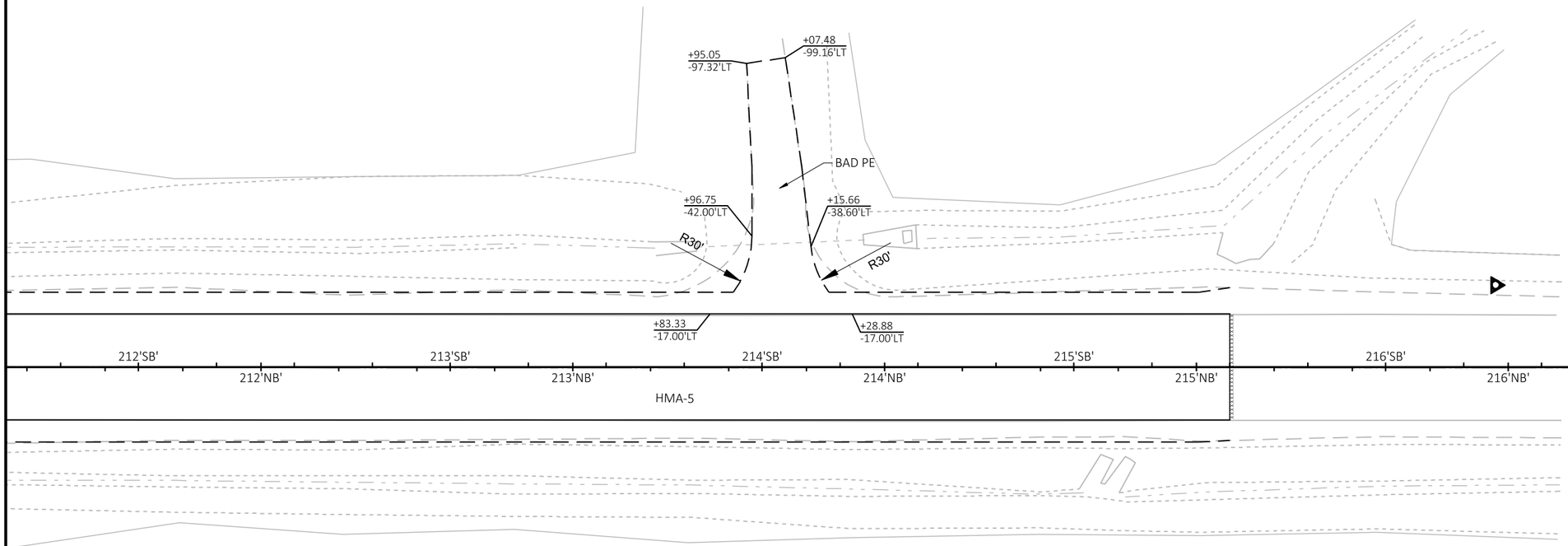
NOTES
1. ALL RADIUS DIMENSIONS ARE TO FACE OF CURB & GUTTER.
2. DIMENSIONS AND DATA POINT OFFSETS SHOWN ARE TO FLANGE LINE OR LANE LINE.
3. SEE ALIGNMENT DETAILS FOR CURB ALIGNMENTS
4. CURB RAMP DETECTABLE WARNING FIELDS ARE NATURAL PATINA. SEE CURB RAMP DETAILS FOR CURB RAMP LAYOUTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT DETAILS	SHEET 21	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd
PLOT DATE : 12/20/2022 8:22 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N



PAVEMENT DETAILS LEGEND

CTAR-12	CONCRETE TRUCK APRON 12-INCH WITH COLORING CONCRETE WISDOT RED
CS-4	CONCRETE SIDEWALK 4-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
HMA-5	HMA PAVEMENT 5-INCH
HMA-5.5	HMA PAVEMENT 5.5-INCH
CMSN-1	CONCRETE MEDIAN SLOPE NOSE TYPE 1
CMSN-2	CONCRETE MEDIAN SLOPE NOSE TYPE 2
CCP	CONCRETE CURB PEDESTRIAN
AF	ASPHALTIC FLUME
CR-X	CURB RAMP TYPE X
BAD PE	BASE AGGREGATE DENSE PRIVATE ENTRANCE

■ PROPOSED INLET

(T) 10' CURB TRANSITION

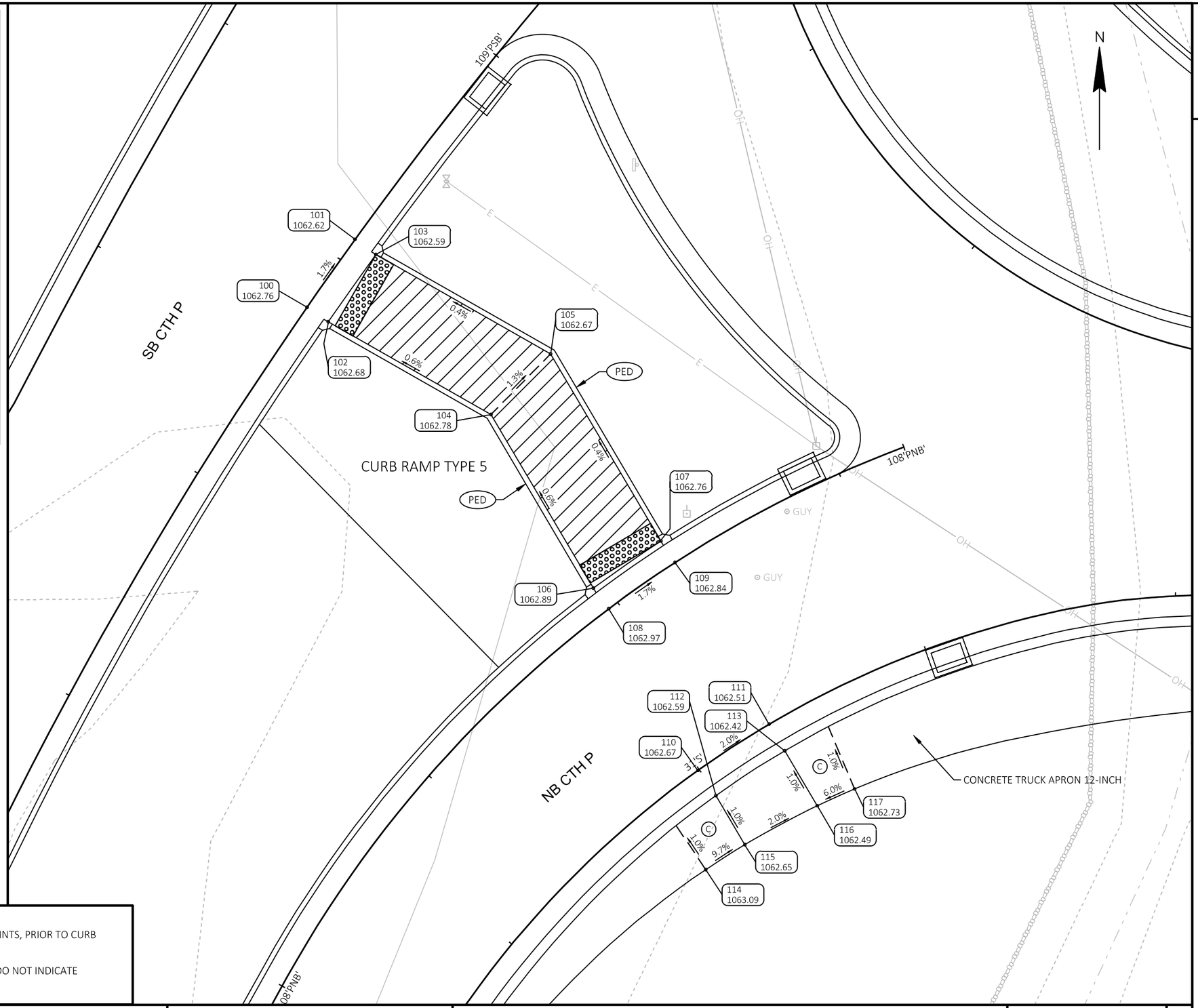
XXX CONCRETE CURB & GUTTER TYPE X, XX-INCH

NOTES
1. ALL RADIUS DIMENSIONS ARE TO FACE OF CURB & GUTTER.
2. DIMENSIONS AND DATA POINT OFFSETS SHOWN ARE TO FLANGE LINE OR LANE LINE.
3. SEE ALIGNMENT DETAILS FOR CURB ALIGNMENTS
4. CURB RAMP DETECTABLE WARNING FIELDS ARE NATURAL PATINA. SEE CURB RAMP DETAILS FOR CURB RAMP LAYOUTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT DETAILS	SHEET 22	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 12/20/2022 8:23 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

CURB RAMPS-P					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	108+69.34 'PSB'	0.00'	1062.76	547402.22	784780.82
101	108+77.43 'PSB'	0.00'	1062.62	547408.82	784785.49
102	108+69.34 'PSB'	2.50' RT	1062.68	547400.79	784782.87
103	108+77.43 'PSB'	2.50' RT	1062.59	547407.35	784787.52
104	108+50.77 'PNB'	22.02' LT	1062.78	547391.76	784798.71
105	108+57.55 'PNB'	23.62' LT	1062.67	547397.66	784804.52
106	108+48.94 'PNB'	2.50' LT	1062.89	547374.86	784808.69
107	108+56.80 'PNB'	2.50' LT	1062.76	547379.46	784815.27
108	108+48.94 'PNB'	0.00'	1062.97	547372.86	784810.19
109	108+56.80 'PNB'	0.00'	1062.84	547377.36	784816.63
110	30+99.84 'S'	0.00'	1062.67	547357.12	784818.86
111	31+08.11 'S'	0.00'	1062.51	547361.63	784825.79
112	30+99.84 'S'	3.00' RT	1062.59	547354.68	784820.60
113	31+08.11 'S'	3.00' RT	1062.42	547359.04	784827.32
114	30+94.39 'S'	8.15' RT	1063.09	547347.48	784819.63
115	30+99.31 'S'	8.53' RT	1062.65	547349.89	784823.43
116	31+08.11 'S'	9.22' RT	1062.49	547353.69	784830.48
117	31+12.51 'S'	9.57' RT	1062.73	547355.32	784834.11



LEGEND:

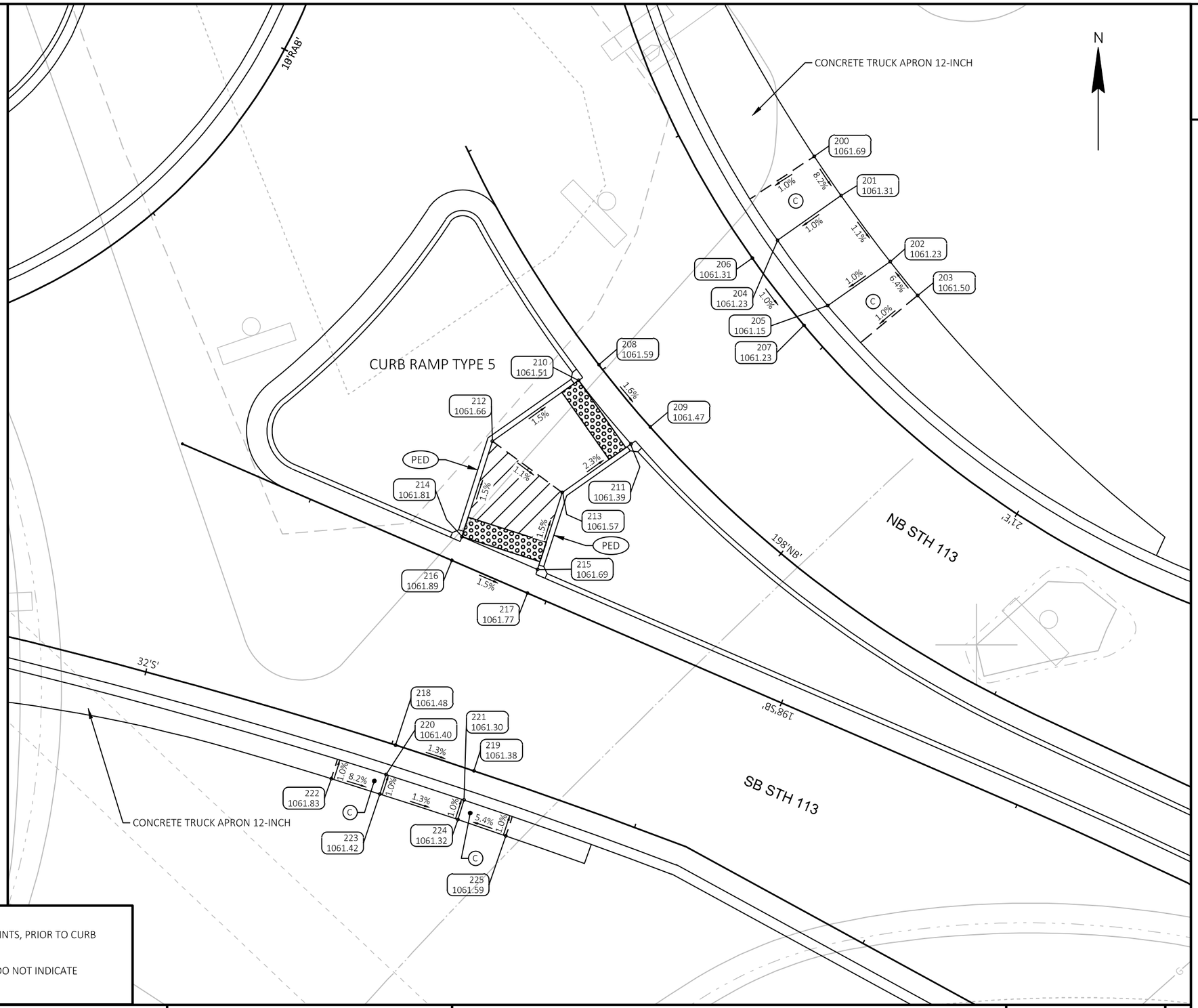
- LANDING AREA
- DETECTABLE WARNING FIELD
- (C) 10:1 CONCRETE FLARE
- PED CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CURB RAMP DETAILS	SHEET 23	E

CURB RAMPS-113-S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	21+41.29 'E'	10.51' RT	1061.69	547415.41	784979.51
201	21+36.07 'E'	10.59' RT	1061.31	547411.58	784982.14
202	21+27.07 'E'	10.43' RT	1061.23	547405.17	784986.92
203	21+22.31 'E'	10.20' RT	1061.50	547401.86	784989.59
204	21+36.07 'E'	3.00' RT	1061.23	547407.22	784975.93
205	21+27.80 'E'	3.00' RT	1061.15	547400.88	784980.82
206	21+36.07 'E'	0.00'	1061.31	547405.50	784973.48
207	21+27.80 'E'	0.00'	1061.23	547398.95	784978.52
208	198+25.60 'NB'	0.00'	1061.59	547395.11	784958.53
209	198+17.75 'NB'	0.00'	1061.47	547389.06	784963.53
210	198+25.60 'NB'	2.50' LT	1061.51	547393.58	784956.55
211	198+17.75 'NB'	2.50' LT	1061.39	547387.40	784961.66
212	198+26.00 'NB'	12.77' LT	1061.66	547387.67	784948.15
213	198+18.58 'NB'	10.66' LT	1061.57	547382.68	784954.95
214	198+35.00 'SB'	2.50' RT	1061.81	547378.36	784945.20
215	198+26.98 'SB'	2.50' RT	1061.69	547375.18	784952.56
216	198+35.00 'SB'	0.00'	1061.89	547376.06	784944.20
217	198+26.98 'SB'	0.00'	1061.77	547372.88	784951.57
218	32+25.36 'S'	0.00'	1061.48	547358.07	784938.71
219	32+33.40 'S'	0.00'	1061.38	547355.57	784946.35
220	32+25.36 'S'	3.00' RT	1061.40	547355.21	784937.80
221	32+33.40 'S'	3.00' RT	1061.30	547352.72	784945.40
222	32+20.36 'S'	5.00' RT	1061.83	547354.79	784932.46
223	32+25.36 'S'	5.00' RT	1061.42	547353.30	784937.19
224	32+33.43 'S'	5.00' RT	1061.32	547350.82	784944.79
225	32+38.40 'S'	5.00' RT	1061.59	547349.23	784949.45



LEGEND:

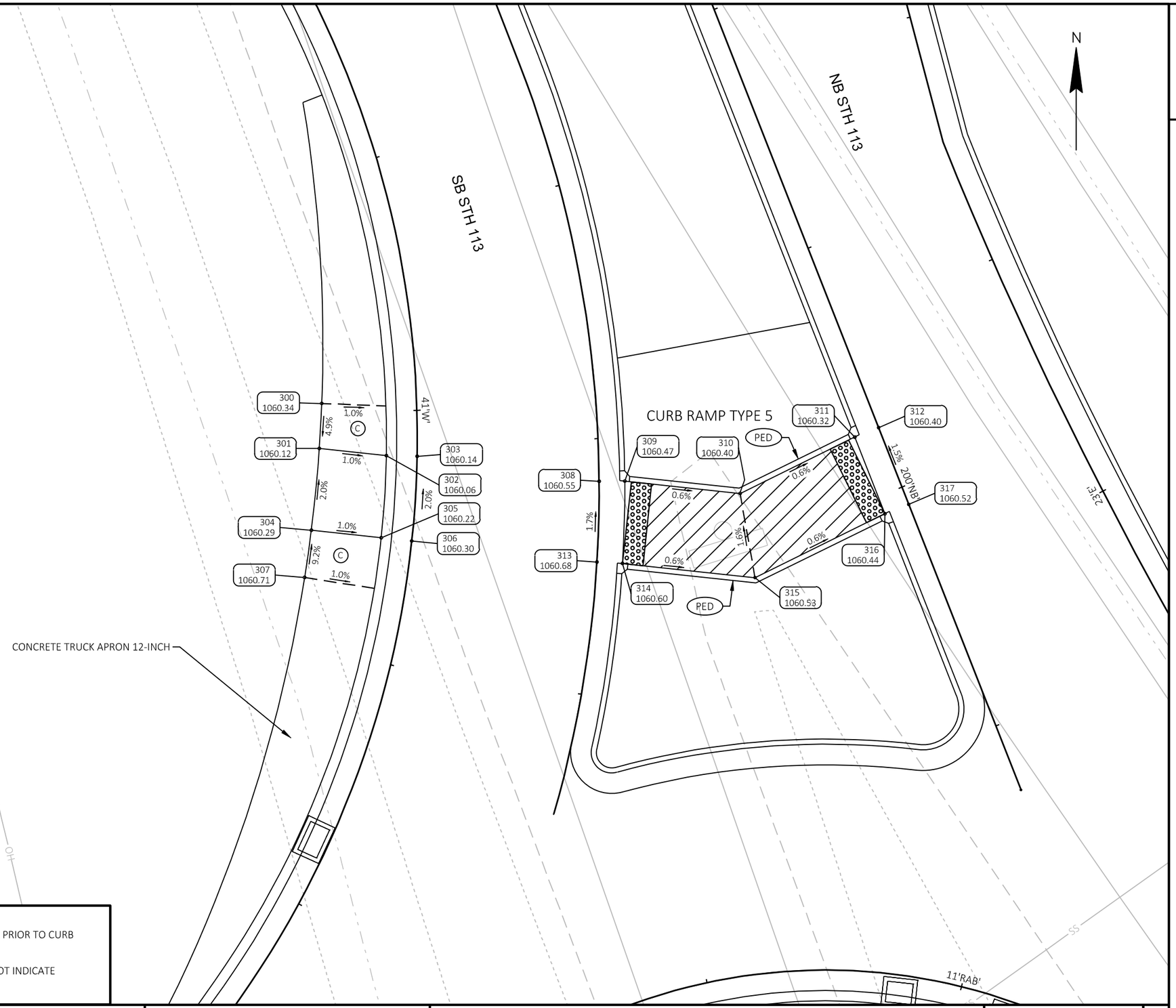
- LANDING AREA
- DETECTABLE WARNING FIELD
- (C) 10:1 CONCRETE FLARE
- PED CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CURB RAMP DETAILS	SHEET 24	E

CURB RAMPS-113-N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	40+98.98 'W'	9.24' RT	1060.34	547561.93	784830.30
301	41+03.85 'W'	9.54' RT	1060.12	547557.53	784830.06
302	41+04.48 'W'	3.00' RT	1060.06	547556.84	784836.60
303	41+04.48 'W'	0.00'	1060.14	547556.78	784839.60
304	41+12.75 'W'	9.85' RT	1060.29	547549.57	784829.29
305	41+12.75 'W'	3.00' RT	1060.22	547548.84	784836.09
306	41+12.75 'W'	0.00'	1060.30	547548.53	784839.08
307	41+17.92 'W'	9.88' RT	1060.71	547544.98	784828.64
308	200+45.84 'SB'	0.00'	1060.55	547554.34	784857.32
309	200+45.84 'SB'	2.50' RT	1060.47	547554.36	784859.82
310	200+05.20 'NB'	14.90' LT	1060.40	547553.16	784871.06
311	200+06.23 'NB'	2.50' LT	1060.32	547558.65	784882.22
312	200+06.23 'NB'	0.00'	1060.40	547559.57	784884.55
313	200+37.98 'SB'	0.00'	1060.68	547546.49	784857.11
314	200+37.98 'SB'	2.50' RT	1060.60	547546.33	784859.61
315	199+97.03 'NB'	16.54' LT	1060.53	547544.96	784872.51
316	199+98.20 'NB'	2.50' LT	1060.44	547551.18	784885.16
317	199+98.20 'NB'	0.00'	1060.52	547552.10	784887.48



LEGEND:

- LANDING AREA
- DETECTABLE WARNING FIELD
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CURB RAMP DETAILS	SHEET 25	E

2

2

N

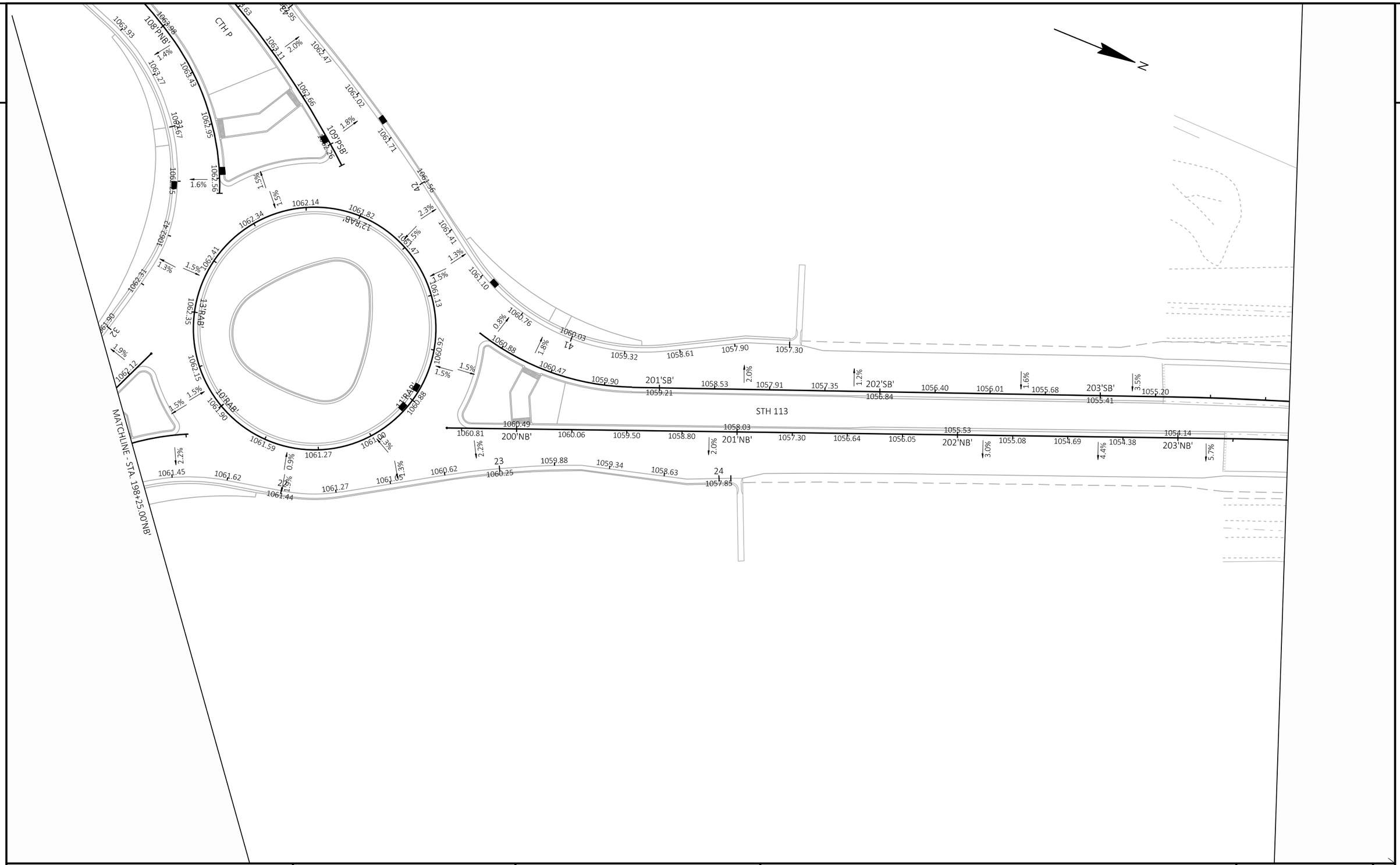
193'SB'
194'SB'
195'SB'
196'SB'
197'SB'
198'SB'
193'NB'
194'NB'
195'NB'
196'NB'
197'NB'
198'NB'
STH 113
MATCHLINE - STA. 304+00.00'NB'
21
33
6.0%
4.0%
2.3%
0.6%
2.0%
2.9%
1059.87
1059.74
1059.62
1059.54
1059.53
1059.58
1059.70
1059.89
1060.12
1060.38
1060.68
1061.01
1061.37
1061.74
1060.08
1060.37
1060.76
1061.15
1061.49
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1059.71
1060.14
1060.70
1061.20

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVING GRADES	SHEET 26	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021401-PG.DWG
LAYOUT NAME - 021401-pg

PLOT DATE : 9/30/2022 2:18 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

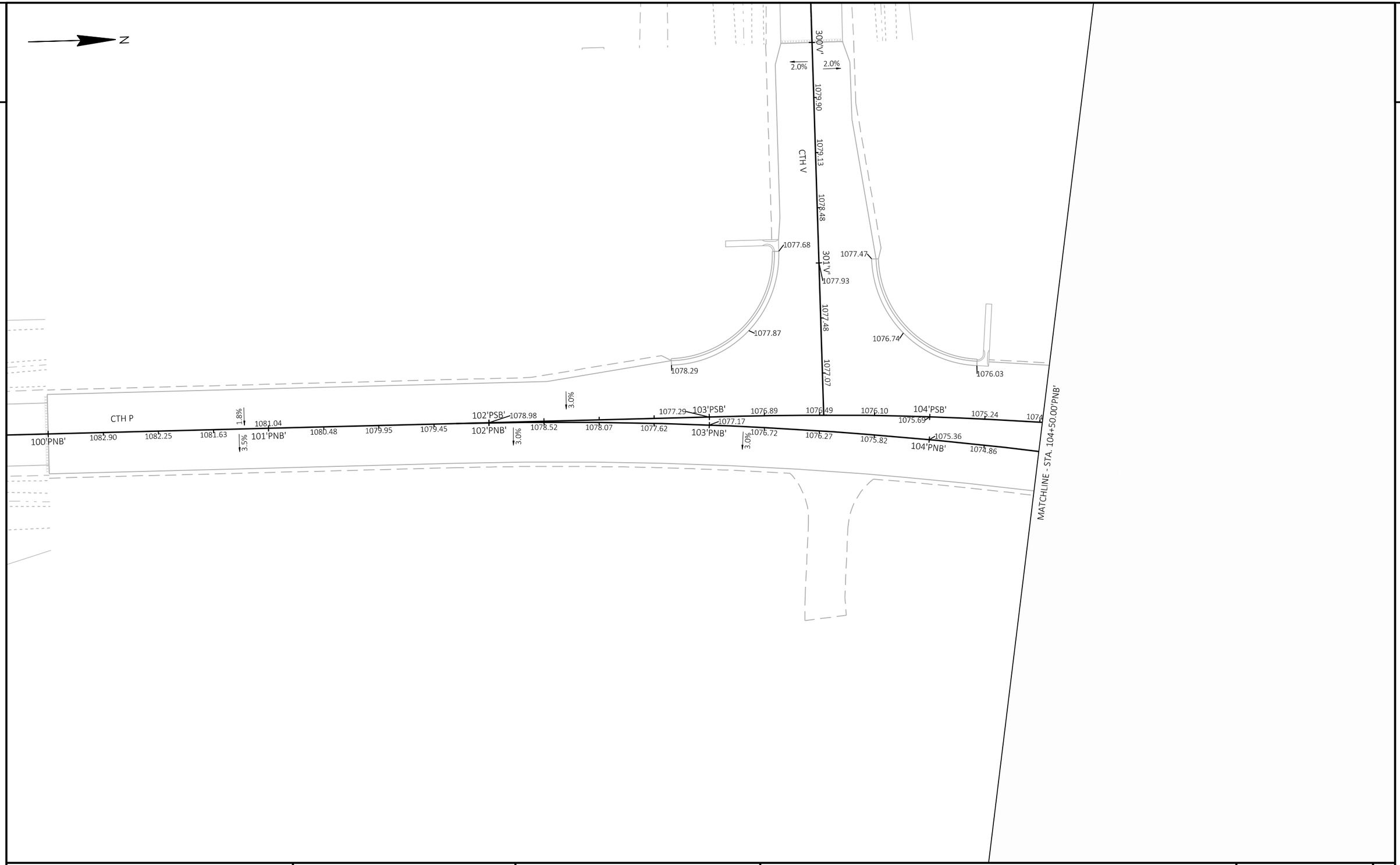
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVING GRADES	SHEET 27	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021401-PG.DWG
LAYOUT NAME - 021402-pg

PLOT DATE : 9/30/2022 2:18 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

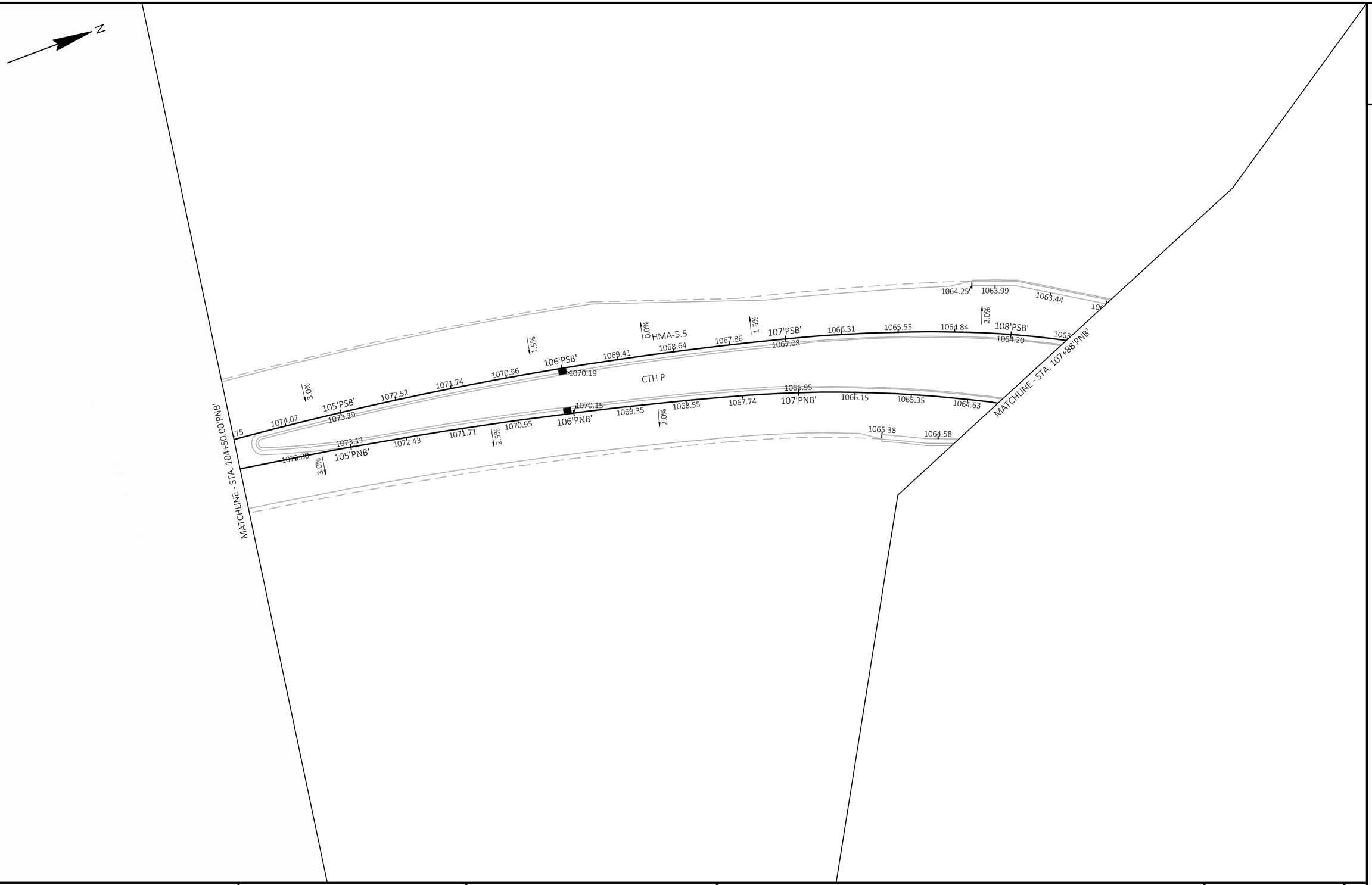


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVING GRADES	SHEET 28	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021401-PG.DWG
LAYOUT NAME - 021403-pg

PLOT DATE : 9/30/2022 2:18 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

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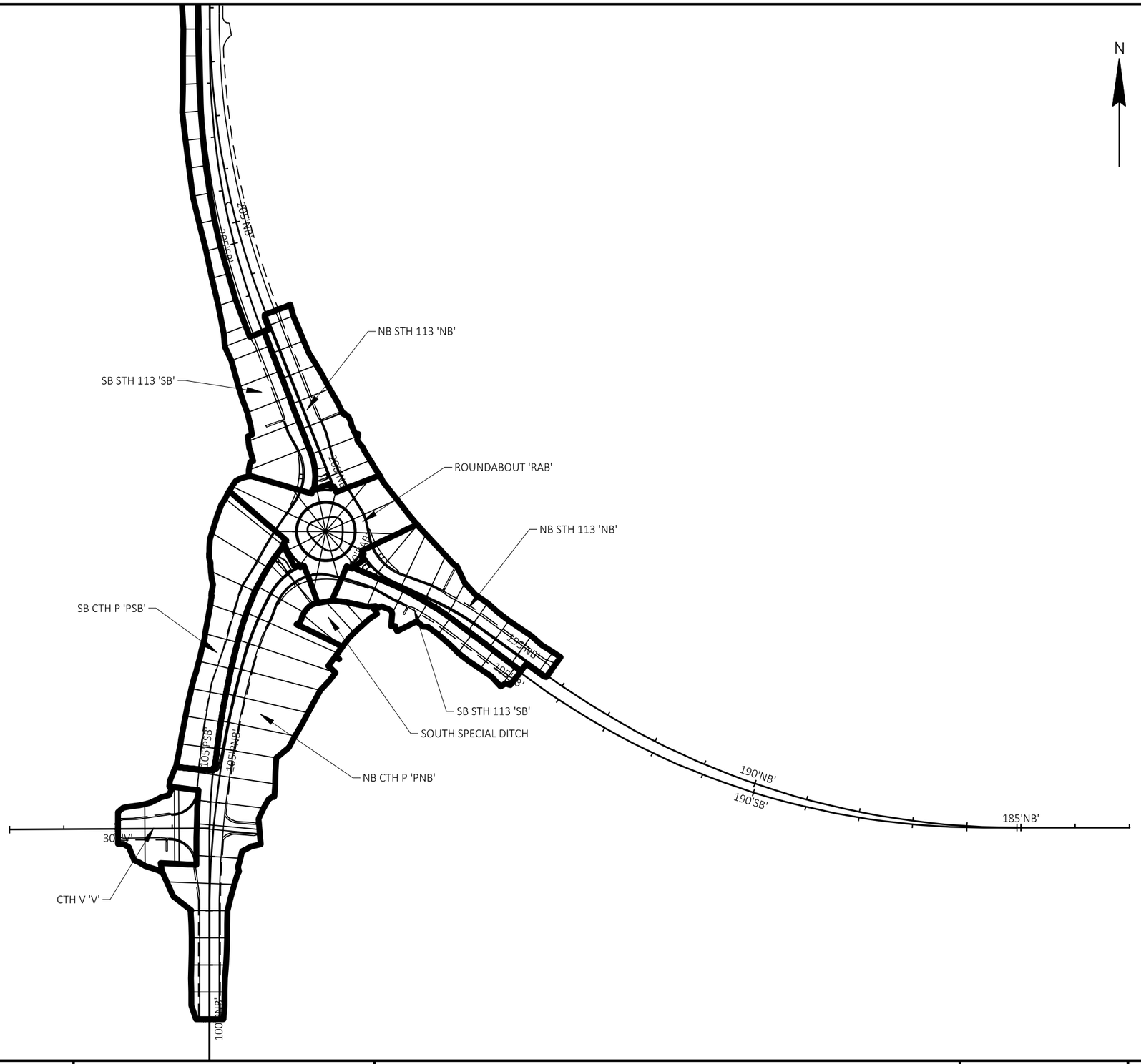


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVING GRADES	SHEET 29	E

2

2

N



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTION MATCHLINES	SHEET 30	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\021801-XM.DWG
LAYOUT NAME - 021801-xm

PLOT DATE : 4/18/2022 1:09 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

CTH V

CTH P

46'PE'

47'PE'

48'PE'

49'PE'

50'PE'

51'PE'

52'PE'

53'PE'

54'PE'

55'PE'

TEMPORARY COVER PLATE

198'SBE'

198'NBE'

197'SBE'

197'NBE'

196'SBE'

196'NBE'

195'SBE'

195'NBE'

194'SBE'

194'NBE'

199'SBE'

199'NBE'

200'SBE'

200'NBE'

201'SBE'

201'NBE'

202'SBE'

202'NBE'

203'SBE'

203'NBE'

STH 113

MATCHLINE - STA 204+00 'NB'

MATCHLINE - STA 193+00 'NB'

N

NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

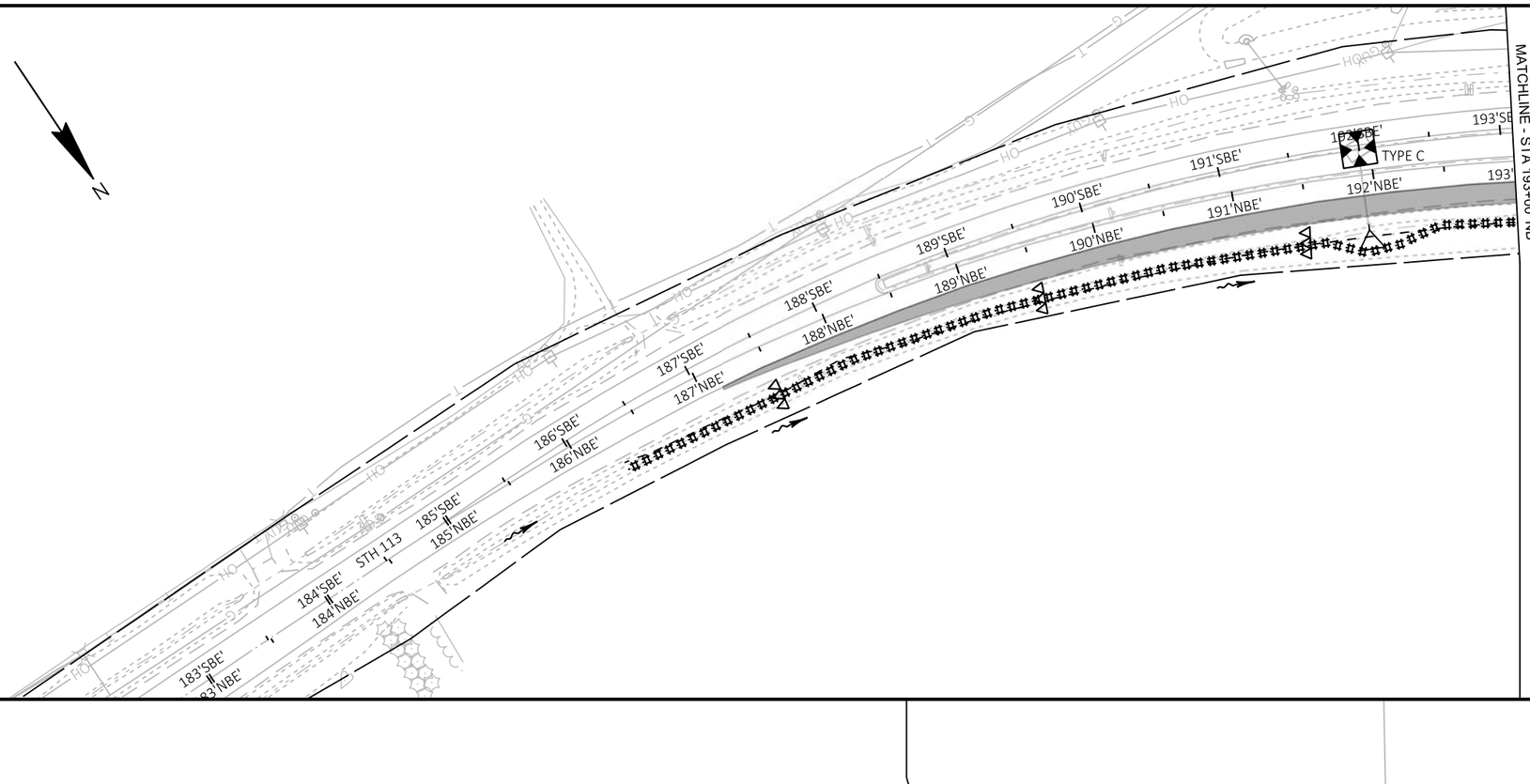
LEGEND

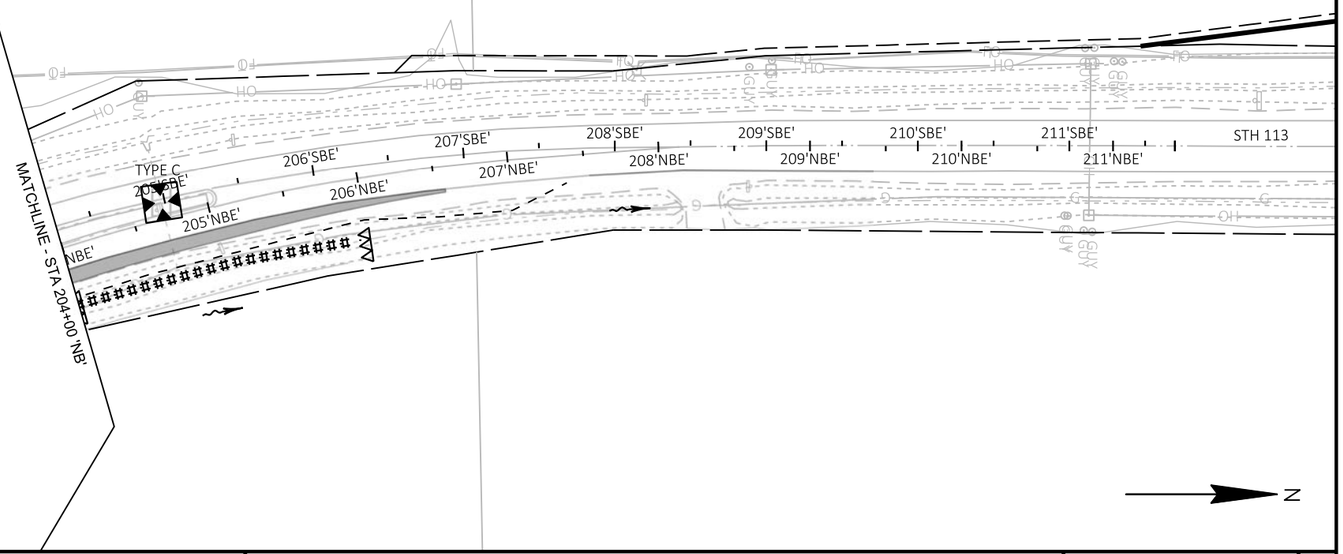
- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 31	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S1.DWG
LAYOUT NAME - 022001-ec-s1

PLOT DATE : 10/27/2022 12:29 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT





NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

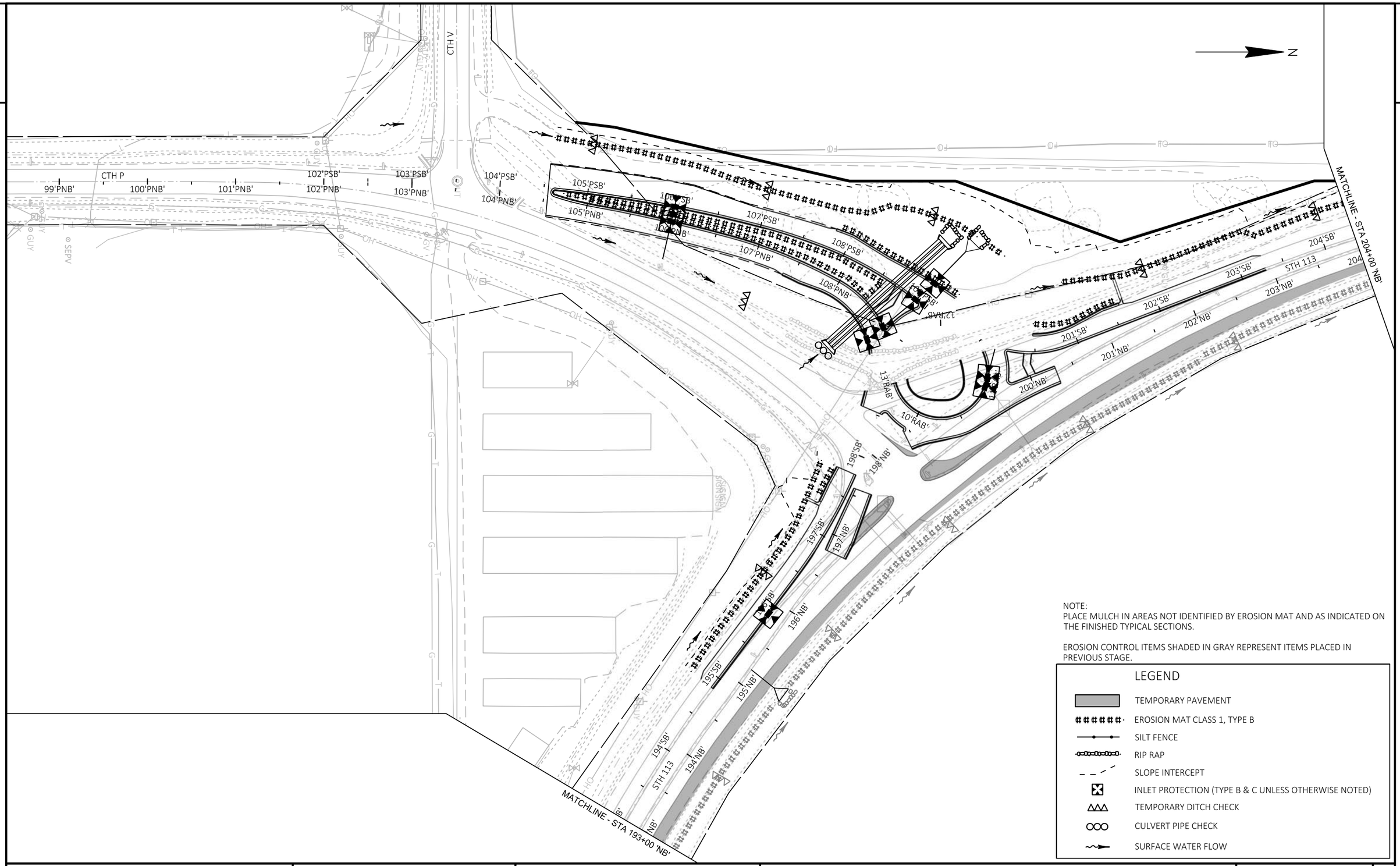
LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 1	SHEET 32	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S1.DWG
LAYOUT NAME - 022002-ec-s1
PLOT DATE : 10/27/2022 12:29 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2



NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

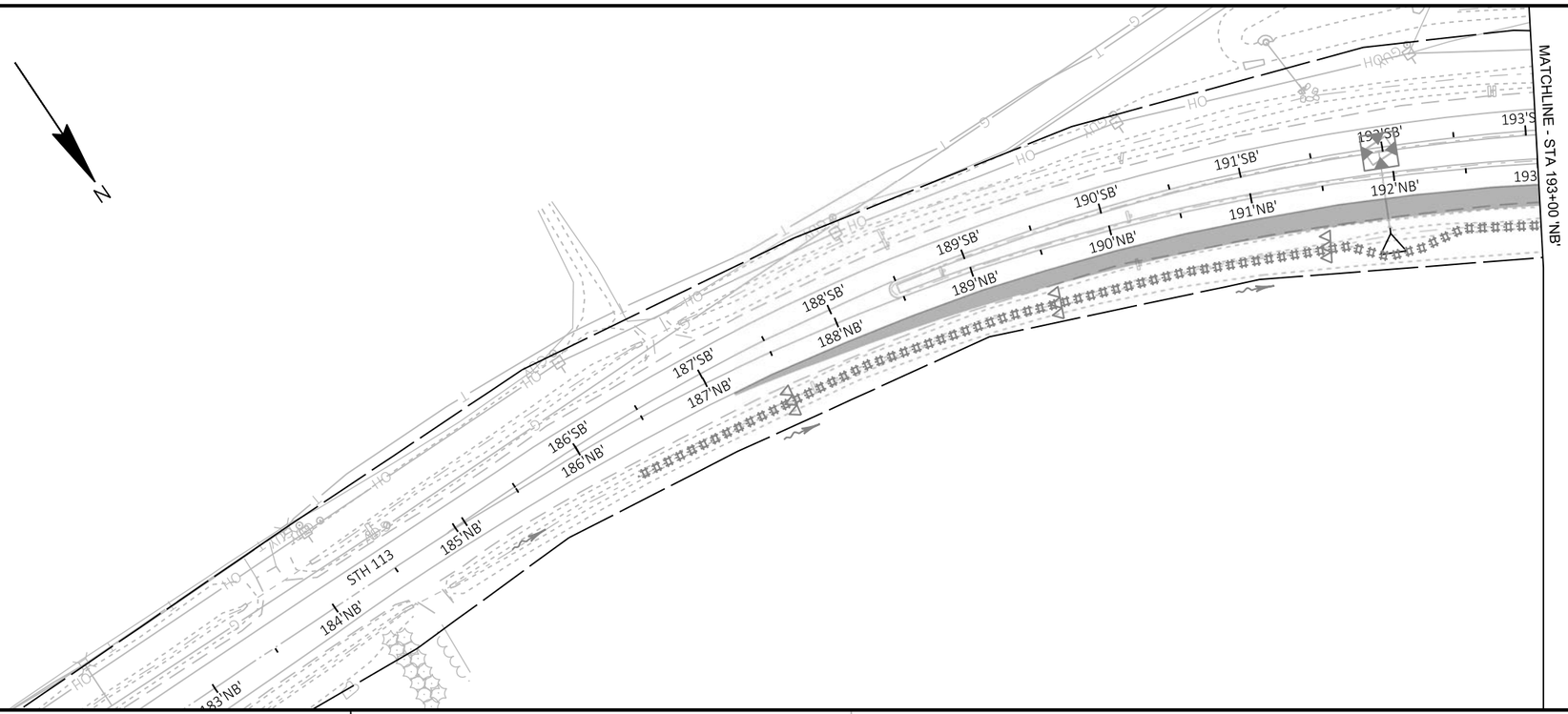
EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 33	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022001-ec-s2
PLOT DATE : 10/27/2022 12:29 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

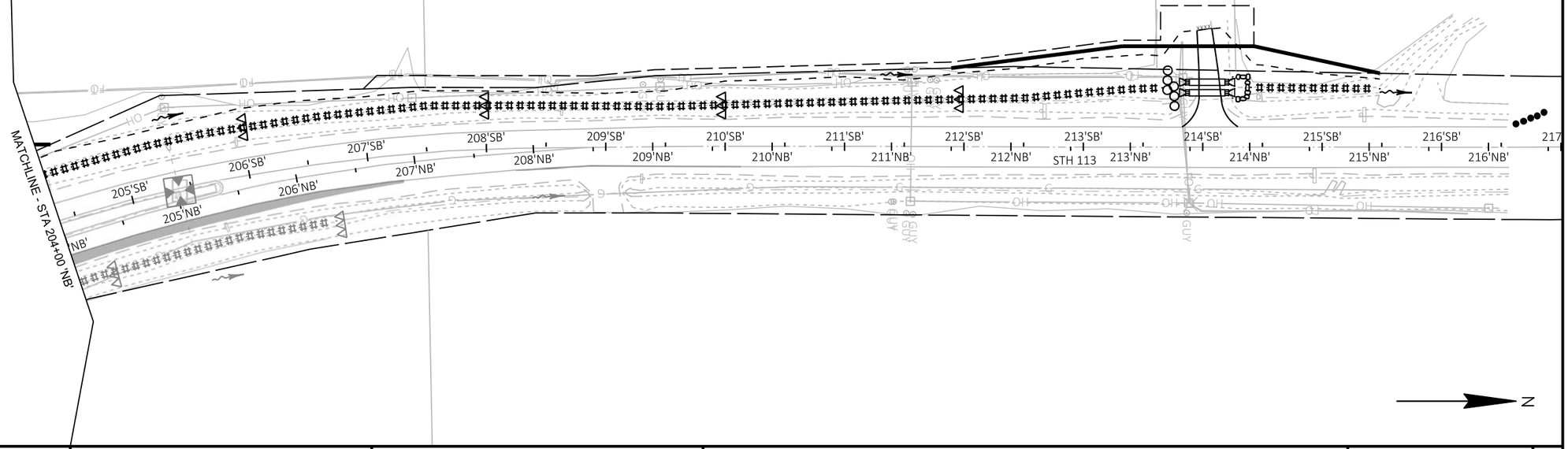


NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

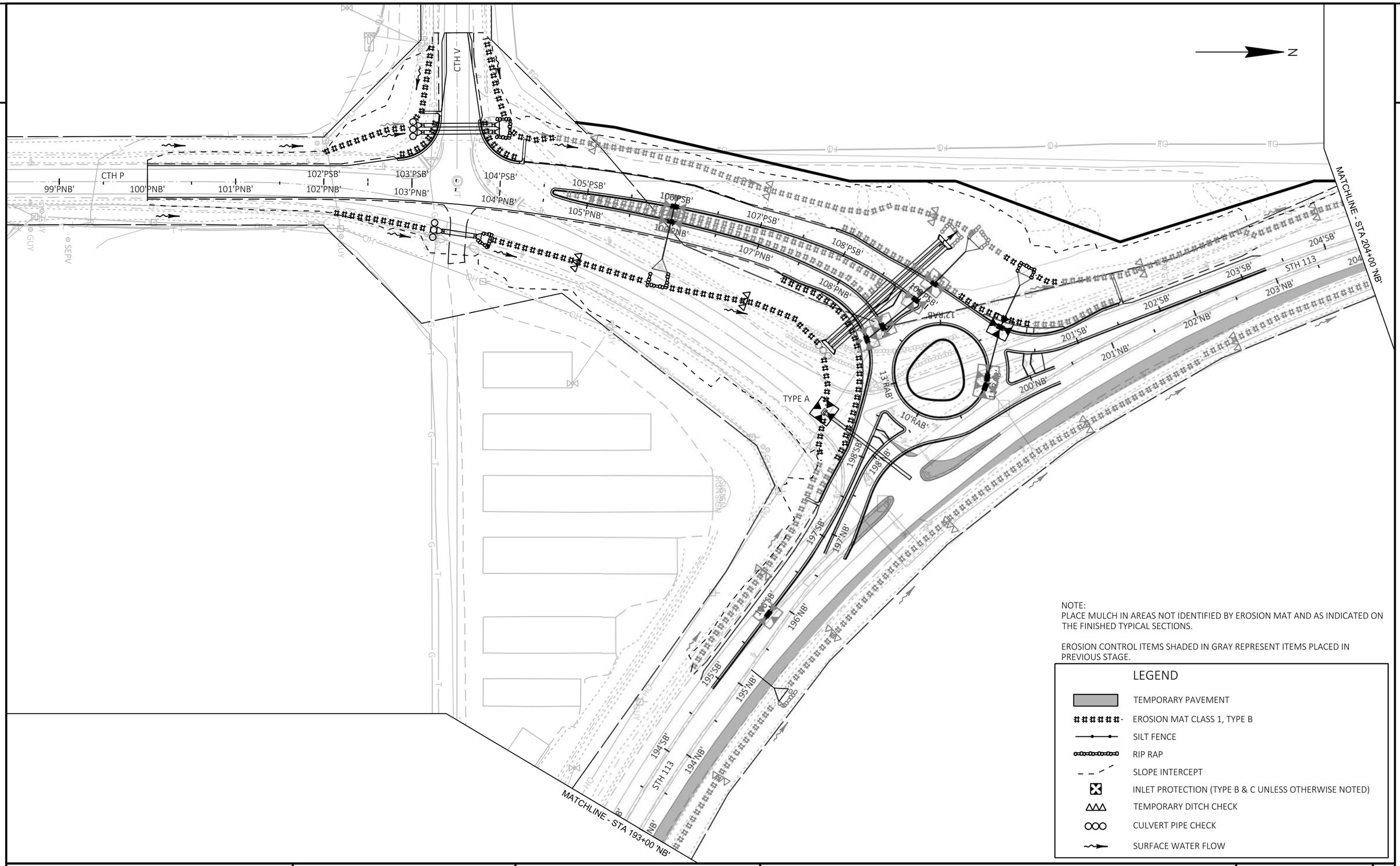


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 2	SHEET 34	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S2.DWG
LAYOUT NAME - 022002-ec-s2

PLOT DATE : 10/27/2022 12:29 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

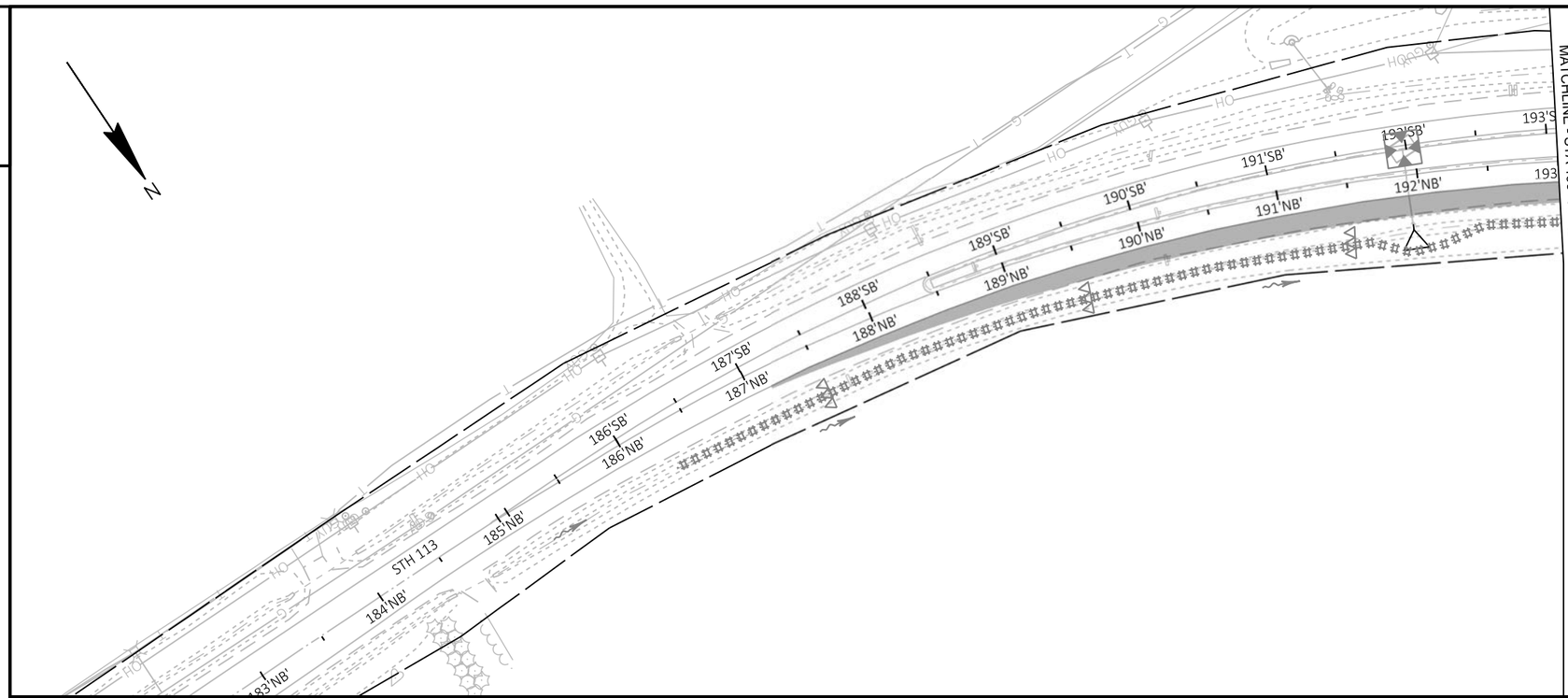
EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

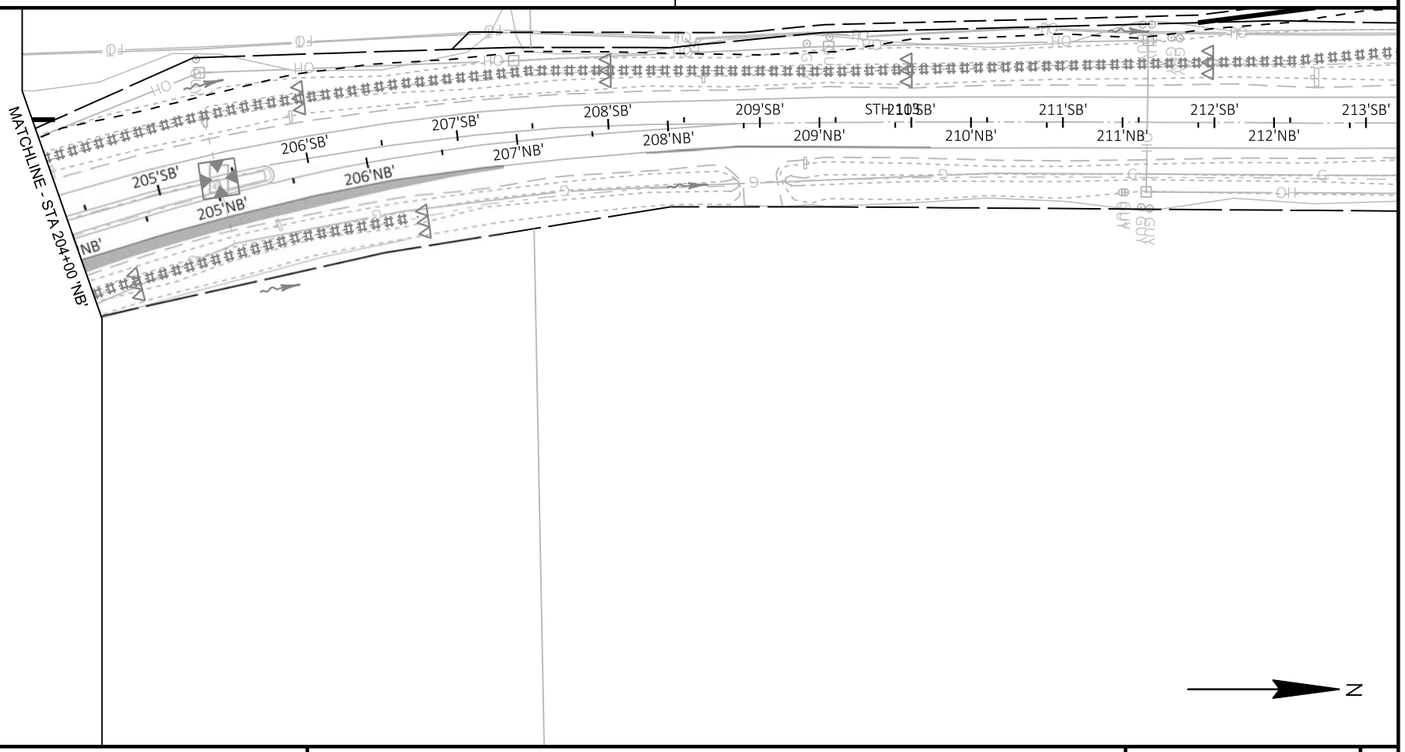
LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 3A	SHEET 35	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S3A.DWG
LAYOUT NAME - 022001-ec-s3a
PLOT DATE : 10/27/2022 12:29 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42





NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 3A	SHEET 36	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S3A.DWG
LAYOUT NAME - 022002-ec-s3a

PLOT DATE : 10/27/2022 12:29 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

CTH V

CTH P

99'PNB'

100'PNB'

101'PNB'

102'PSB'

102'PNB'

103'PSB'

103'PNB'

104'PSB'

104'PNB'

105'PSB'

105'PNB'

106'PSB'

106'PNB'

107'PSB'

107'PNB'

108'PSB'

108'PNB'

106'PSB'

12'RAB'

13'RAB'

10'RAB'

198'SB'

198'NB'

197'SB'

197'NB'

196'SB'

196'NB'

195'SB'

195'NB'

194'SB'

194'NB'

200'NB'

201'SB'

201'NB'

202'SB'

202'NB'

203'SB'

203'NB'

204'SB'

STH 113

MATCHLINE - STA 204+00 'NB'

MATCHLINE - STA 193+00 'NB'

NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

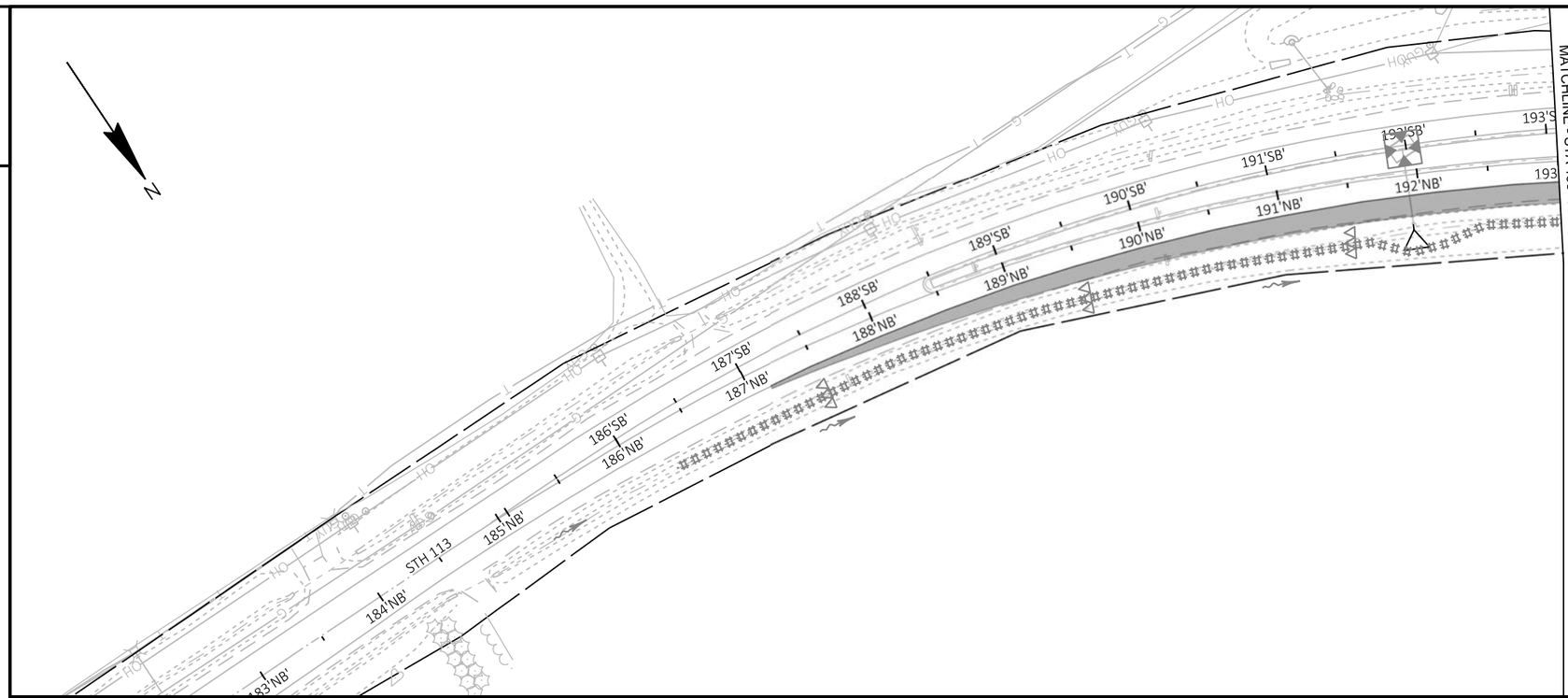
LEGEND

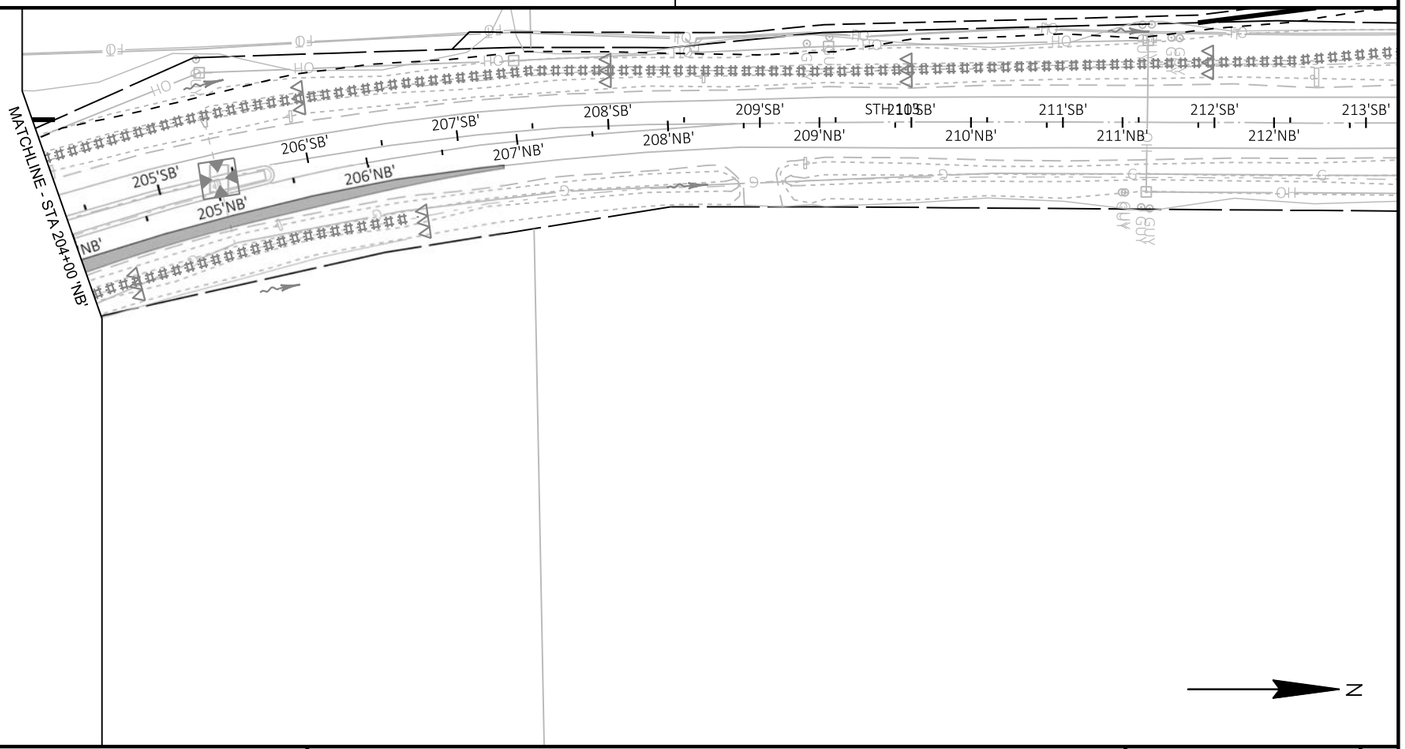
- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 3B & 3C	SHEET 37	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S3B.DWG
LAYOUT NAME - 022001-ec-s3b

PLOT DATE : 10/27/2022 12:30 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT





NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 3B & 3C	SHEET 38	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S3B.DWG
LAYOUT NAME - 022002-ec-s3b
PLOT DATE : 10/27/2022 12:30 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

2

N

CTH V

CTH P

99'PNB'

100'PNB'

101'PNB'

102'PSB'

102'PNB'

103'PSB'

103'PNB'

104'PSB'

104'PNB'

105'PSB'

105'PNB'

106'PSB'

106'PNB'

107'PSB'

107'PNB'

108'PSB'

108'PNB'

109'PSB'

12'RAB'

13'RAB'

10'RAB'

198'SB'

198'NB'

197'SB'

197'NB'

196'SB'

196'NB'

195'SB'

195'NB'

194'SB'

194'NB'

200'NB'

201'SB'

201'NB'

202'SB'

202'NB'

203'SB'

203'NB'

204'SB'

204

STH 113

NB'

MATCHLINE - STA 204+00 'NB'

MATCHLINE - STA 193+00 'NB'

SEPV

GUY

OH

G

T

NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

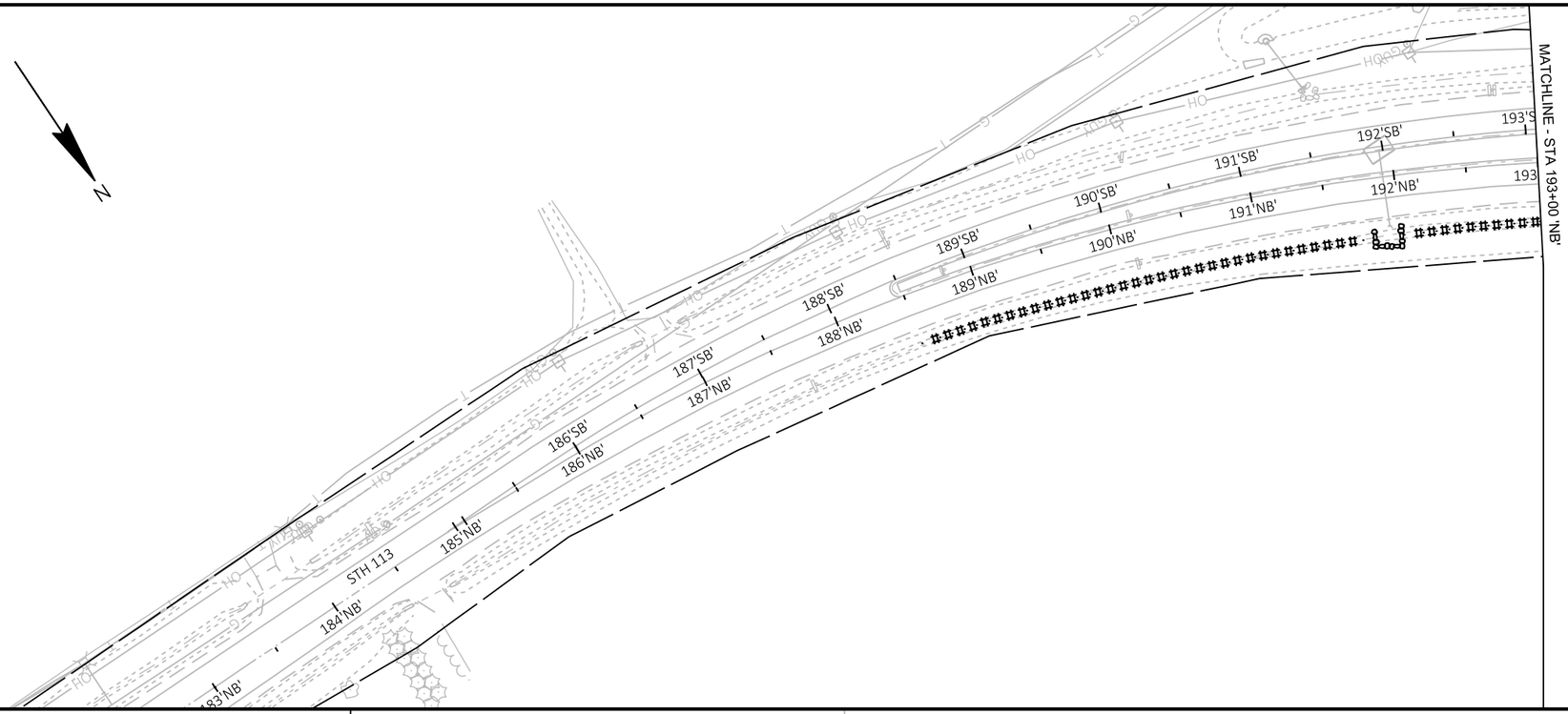
LEGEND

- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 39	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022001-EC-S4.DWG
LAYOUT NAME - 022001-ec-s4

PLOT DATE : 10/27/2022 12:30 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT

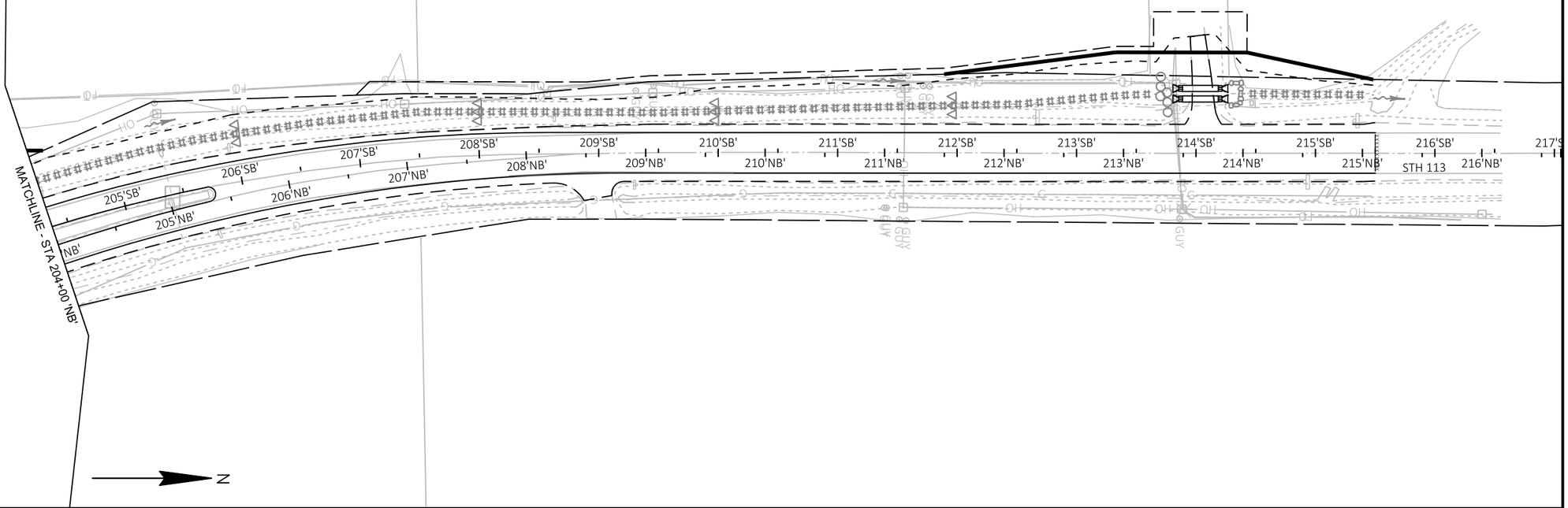


NOTE:
PLACE MULCH IN AREAS NOT IDENTIFIED BY EROSION MAT AND AS INDICATED ON THE FINISHED TYPICAL SECTIONS.

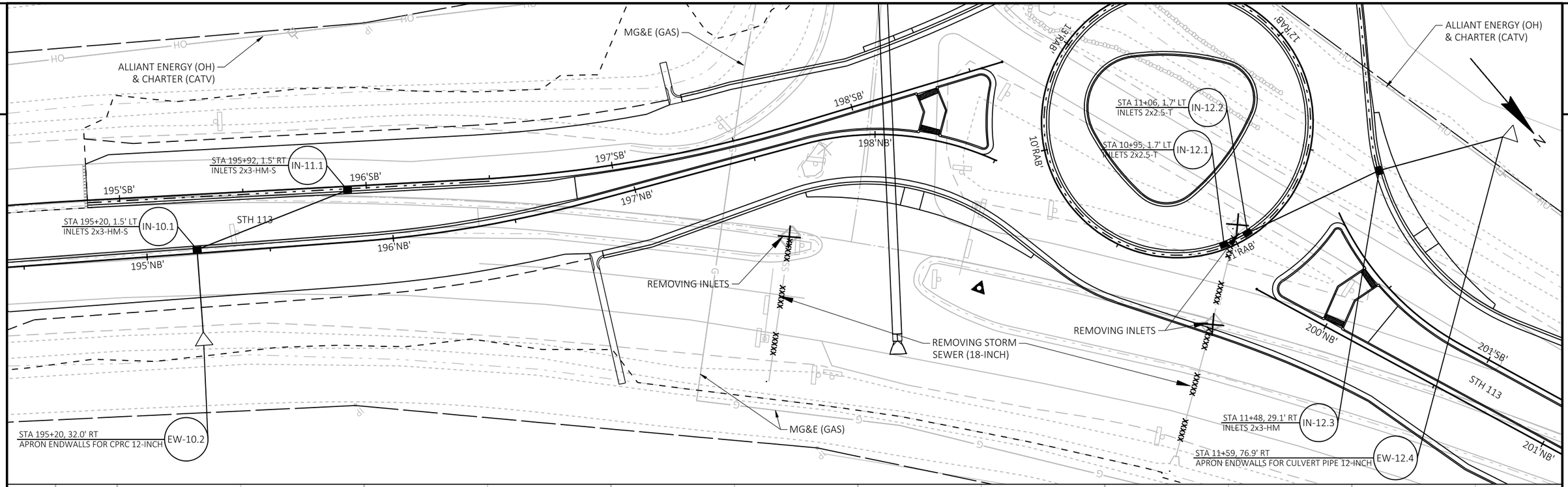
EROSION CONTROL ITEMS SHADED IN GRAY REPRESENT ITEMS PLACED IN PREVIOUS STAGE.

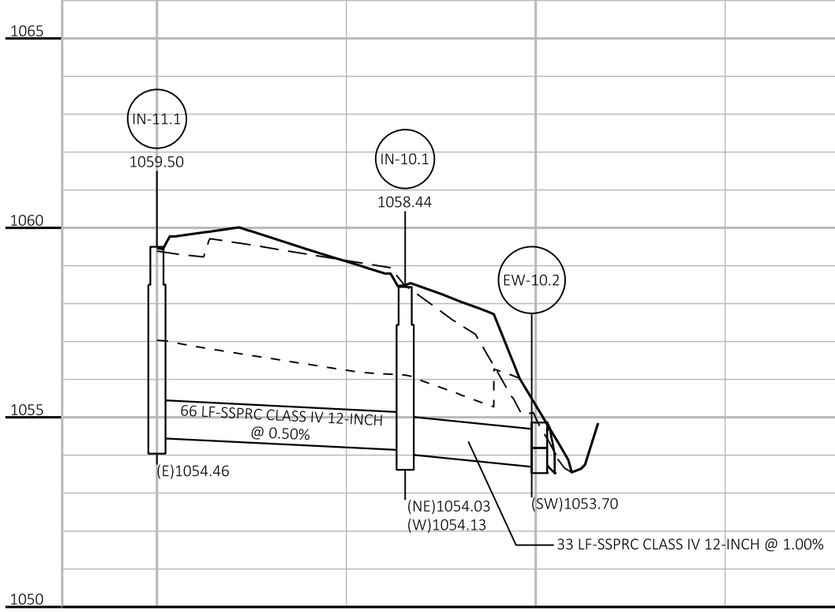
LEGEND

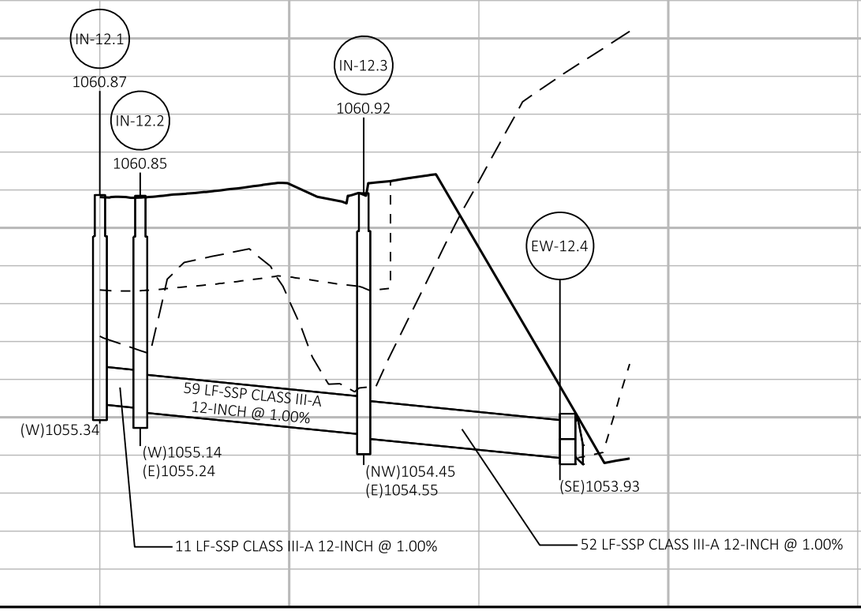
- TEMPORARY PAVEMENT
- EROSION MAT CLASS 1, TYPE B
- SILT FENCE
- RIP RAP
- SLOPE INTERCEPT
- INLET PROTECTION (TYPE B & C UNLESS OTHERWISE NOTED)
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EROSION CONTROL - STAGE 4	SHEET 40	E







PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STORM SEWER	SHEET 41	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss
PLOT DATE : 10/26/2022 5:40 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

N

FRONTIER (TELE)
FRONTIER (FO)

STA 106+00, 1.5' RT
INLETS 2x3-HM
IN-13.1

STA 109+05, 76.6' LT
APRON ENDWALLS FOR CULVERT PIPE 12-INCH
EW-14.5

STA 109+02, 26.2' LT
INLETS 2x3-H
IN-14.4

STA 108+97, 1.5' RT
INLETS 2x3-H
IN-14.3

ALLIANT ENERGY (OH)
& CHARTER (CATV)

107'PSB'
108'PSB'
106'PSB'
CTH P
108'PSB'
105'PSB'
107'PNB'
108'PNB'
106'PNB'
105'PNB'
104'PSB'
104'PNB'
CTH V
12"RAB

STA 11+06, 1.7' LT
INLETS 2x2.5-T
IN-12.2

STA 10+95, 1.7' LT
INLETS 2x2.5-T
IN-12.1

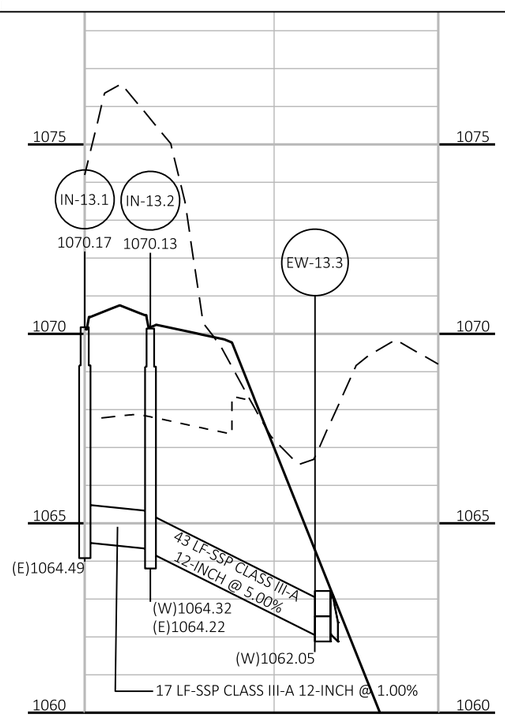
STA 108+72, 1.5' LT
INLETS 2x3-H
IN-14.2

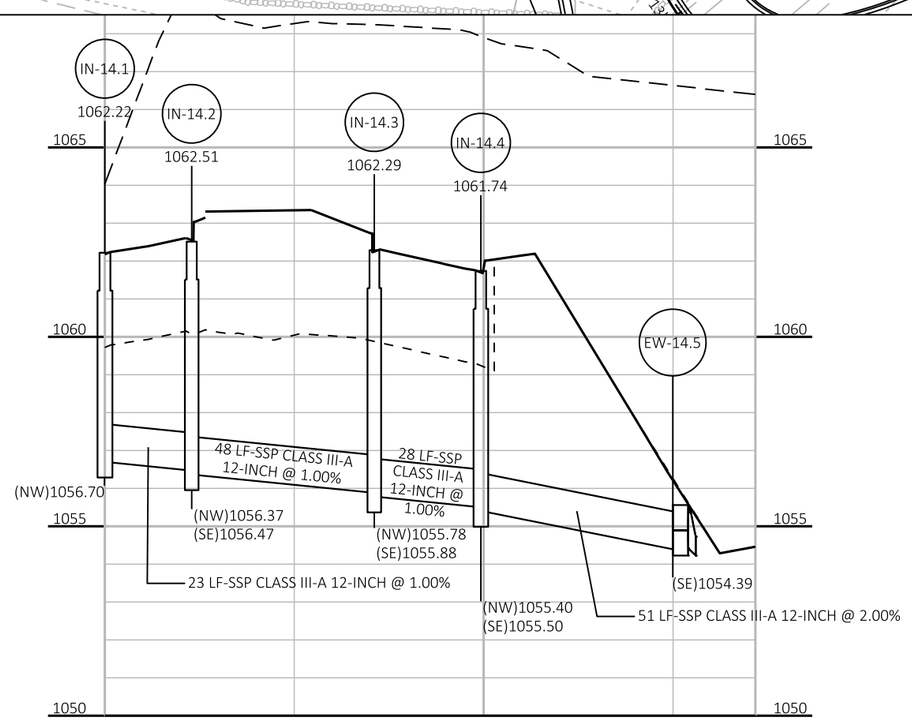
STA 108+78, 20.7' RT
INLETS 2x3-HM-S
IN-14.1

STA 105+97, 1.5' LT
INLETS 2x3-HM
IN-13.2

EW-13.3
STA 105+97, 41.9' RT
APRON ENDWALLS FOR CULVERT PIPE 12-INCH

ALLIANT ENERGY (OH)
& CHARTER (CATV)





PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STORM SEWER	SHEET 42	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 10/26/2022 5:40 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

N

FRONTIER (TELE)
FRONTIER (FO)

ALLIANT ENERGY (OH)
& CHARTER (CATV)

MATCHLINE 201+50 'NB'

CTH P

STH 113

U.E. 1066.63' +/-
U.E. 1058.24' +/-
U.E. 1058.79' +/-
U.E. 1057.42' +/-
U.E. 1057.35' +/-
U.E. 1058.72' +/-

105'PSB'
106'PSB'
107'PSB'
108'PSB'
109'PSB'
105'PNB'
106'PNB'
107'PNB'
108'PNB'
12'RAB'
11'RAB'
13'RAB'
10'RAB'
200'NB'
201'SB'
201'NB'
198'SB'
198'NB'
197'SB'
197'NB'

ADD FRENCH
DRAINS EVERY 250'

ALLIANT ENERGY (OH)
& CHARTER (CATV)

MG&E (GAS)

MATCHLINE 196+50 'NB'

LEGEND

- SLOPE INTERCEPT
- PIPE UNDERDRAIN 6-INCH
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.71' +/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STORM SEWER - UNDERDRAIN & FRENCH DRAINS	SHEET 43	E

2

2

N

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IP

IP

HO

HO

HO

HO

HO

HO

HO

HO

IP

IP

U.E. 1056.00 +/-

C

MATCHLINE 196+50 'NB'

194'SB'

195'SB'

196'SB'

193'SB'

192'SB'

191'SB'

194'NB'

195'NB'

196'NB'

193'NB'

192'NB'

191'NB'

C

C

FD

IP

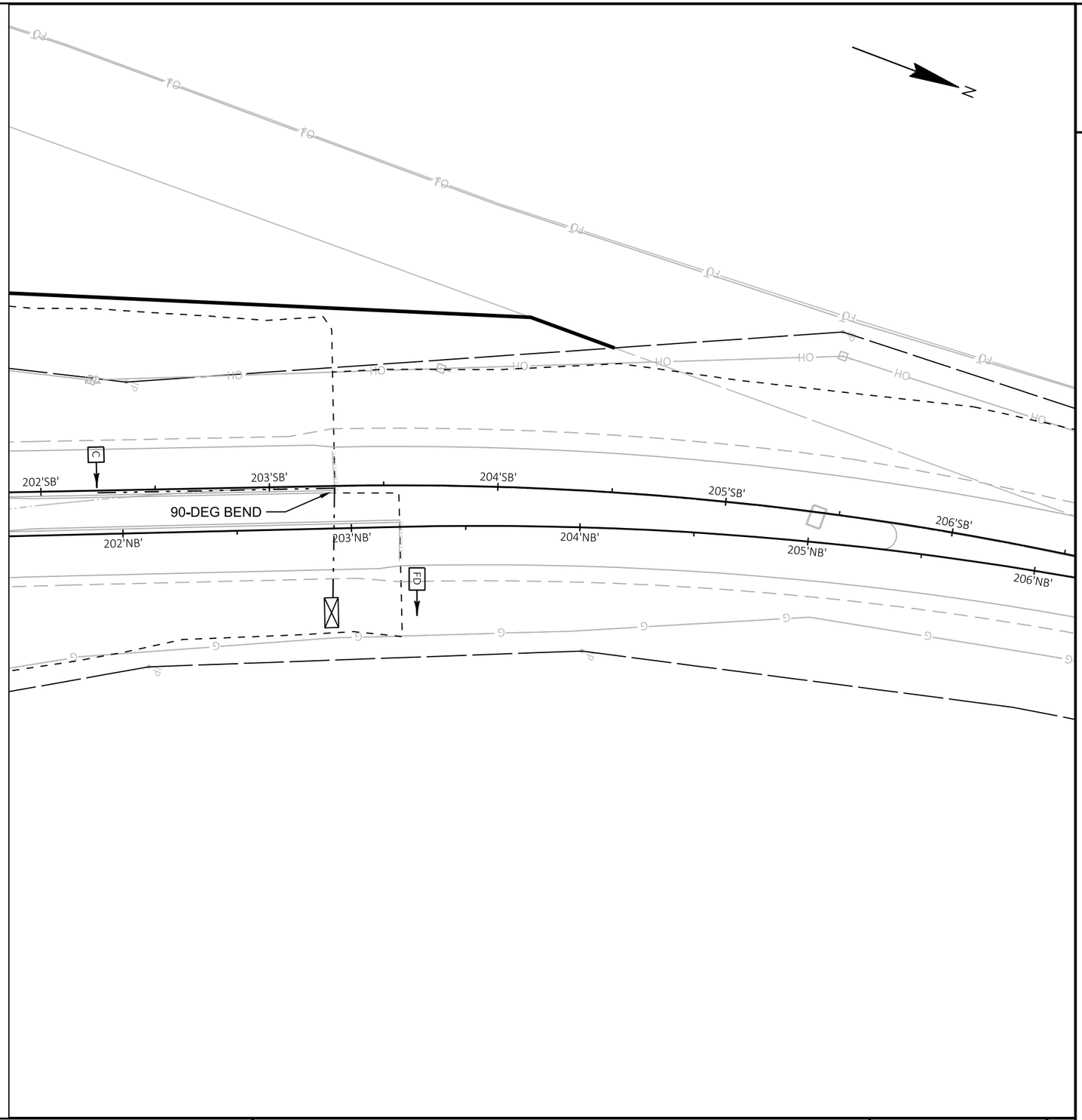
IP

LEGEND

- SLOPE INTERCEPT
- PIPE UNDERDRAIN 6-INCH
- FD — SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- C — CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.71' +/- — ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STORM SEWER - UNDERDRAIN & FRENCH DRAINS	SHEET 44	E

2

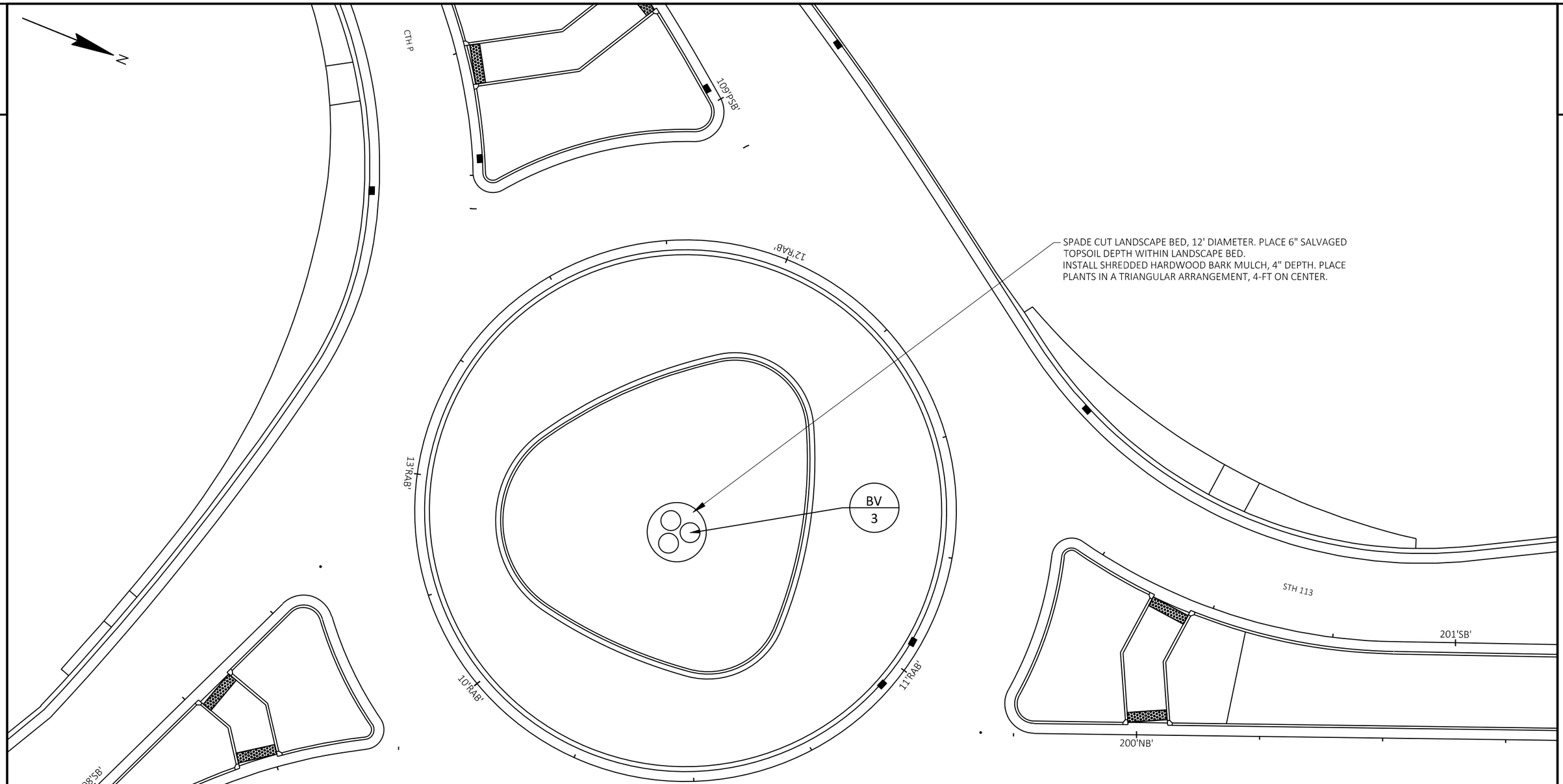


2

LEGEND

- SLOPE INTERCEPT
- PIPE UNDERDRAIN 6-INCH
- FD → SUGGESTED LOCATION OF FRENCH DRAIN (USED FOR QUANTITY COMPUTATIONS. EXACT NUMBER AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER)
- C → CAPPED END OF PIPE UNDERDRAIN (INCIDENTAL TO PIPE UNDERDRAIN ITEMS)
- TAP CONNECTION TO INLET OR MANHOLE USING PIPE UNDERDRAIN 6-INCH (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- U.E. 881.71' +/- ELEVATION OF UNDERDRAIN TAP CONNECTION (INCIDENTAL TO PIPE UNDERDRAIN ITEMS) (SEE CONSTRUCTION DETAILS FOR PIPE UNDERDRAIN)
- APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STORM SEWER - UNDERDRAIN & FRENCH DRAINS	SHEET 45	E



PLANT DATA CHART

PLANT CODE	COMMON NAME	SCIENTIFIC NAME	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE				GUY OR BRACE	FERT. PACK REQUIRED	RODENT PROTECTION REQUIRED	MULCH RING DIA.
						MIN. BALL OR POT SIZE		MIN. HOLE SIZE					
						MN. CONT. SIZE	MN. CONT. DEPTH	MIN. HOLE DIA.	MIN. HOLE DEPTH				
BV	BLACKHAW VIBURNUM	*Viburnum prunifolium*	12'	18-24"	CONTAINER	3 GALLON	9"	2'	9"	NO	2	NO	BED

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLANTING DETAIL	SHEET 46 E

2

N

DO NOT ENTER
ESTR

ESTR

SPEED LIMIT 55
MOVING SIGNS
103

WRONG WAY
ESTR

ESTR

188'SB'
188'NB'
189'SB'
189'NB'
190'SB'
190'NB'
191'SB'
191'NB'
192'SB'
192'NB'
193'SB'
193
STH 113

MATCHLINE - STA. 193+00.00'NB'

JCT
COUNTY V
COUNTY P
MOVING SIGNS
100

ESTR

REMOVE
101
102

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE

XXX DENOTES REMOVAL SIGN NUMBER

XXX DENOTES MOVED SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 47	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023201-es

PLOT DATE : 9/14/2022 7:27 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

SOUTH 113 COUNTY V
MOVING SIGNS
200

BEGIN LEFT TURN LANE
REMOVE
201

ONE WAY
STOP ALL WAY
REMOVE
202

STOP ALL WAY
DIVIDED HIGHWAY
REMOVE
205

113 COUNTY V
REMOVE
208

SIGN SIGN SIGN

CTH P

194'SB' 195'SB' 196'SB' 197'SB' 198'SB'

194'NB' 195'NB' 196'NB' 197'NB' 198'NB'

STH 113

MATCHLINE - STA. 193+00.00'NB'

MATCHLINE - STA. 198+25.00'NB'

STOP ALL WAY
REMOVE
203
204

COUNTY P COUNTY V
REMOVE
206

ONE WAY
REMOVE
207

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- XXX — DENOTES REMOVAL SIGN NUMBER
- XXX — DENOTES MOVING SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 48	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023202-es

PLOT DATE : 9/14/2022 7:27 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

108'NB'

109'SB'

STOP
REMOVE
300

COUNTY V COUNTY P
REMOVE
301

DO NOT ENTER
MOVING SIGNS
302

STOP
ALL WAY
REMOVE
303
304

WRONG WAY
MOVING SIGNS
308

COUNTY V COUNTY P
REMOVE
309

REMOVE
311
312

201'SB'
202'SB'
203'SB'
STH 113
200'NB'
201'NB'
202'NB'
203'NB'

MATCHLINE - STA. 198+25.00'NB'

MATCHLINE - STA. 203+50.00'NB'

SS

MOVING SIGNS
310

NORTH 113
MOVING SIGNS
307

REMOVE
305

DO NOT ENTER
REMOVE
306

LEGEND

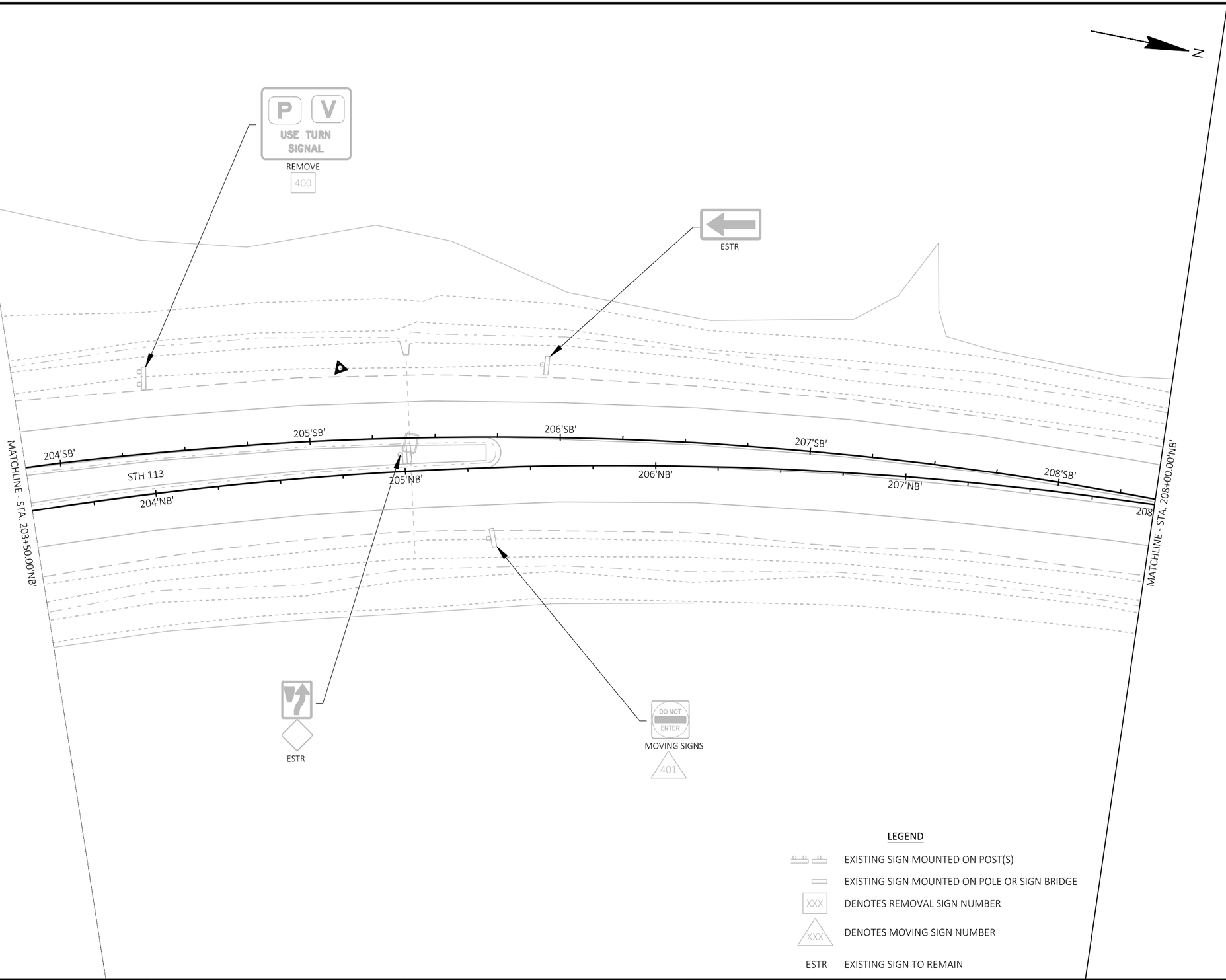
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- XXX — DENOTES REMOVAL SIGN NUMBER
- XXX — DENOTES MOVING SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 49	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023203-es

PLOT DATE : 9/14/2022 7:27 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



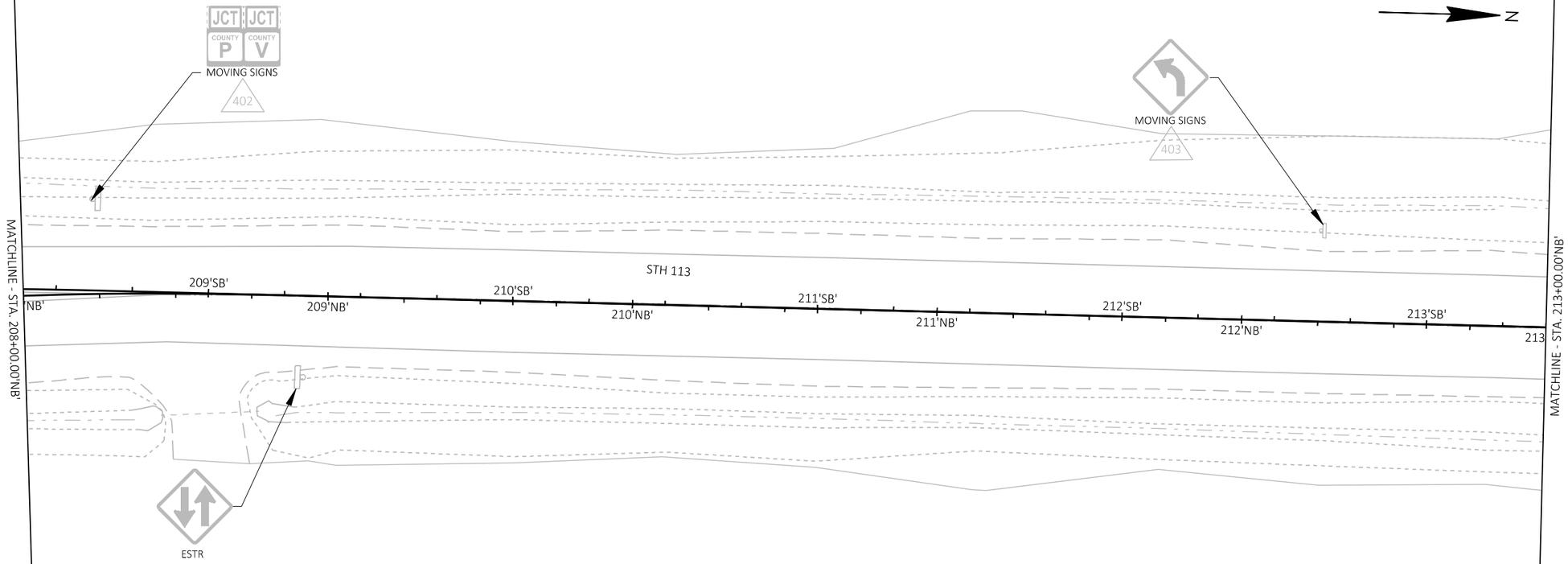
LEGEND

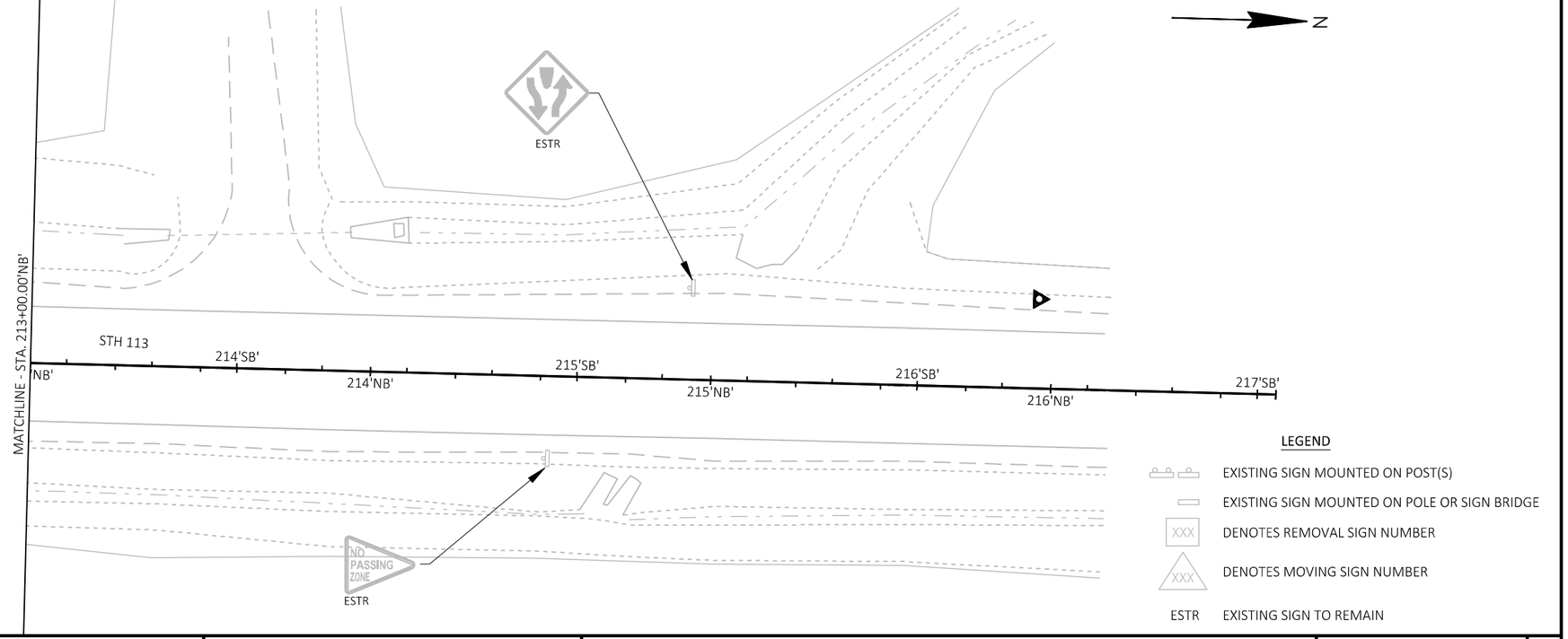
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE
- XXX — DENOTES REMOVAL SIGN NUMBER
- XXX — DENOTES MOVING SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 50	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023204-es
PLOT DATE : 9/14/2022 7:27 AM
PLOT BY : NATHAN COOK
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
- XXX — DENOTES REMOVAL SIGN NUMBER
- XXX — DENOTES MOVING SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 51	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023205-es

PLOT DATE : 9/14/2022 7:27 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

REMOVE
502
503

REMOVE
504

REMOVE
505

REMOVE
507

MOVING SIGNS
509

REMOVE
508

REMOVE
500
501

REMOVE
506

CTH P

CTH V

300'V'

301'V'

99'PNB'

100'PNB'

101'PNB'

102'PNB'

102'PSB'

103'PNB'

103'PSB'

104'

104'

MATCHLINE - STA. 104+00.00'NB'

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE

XXX DENOTES REMOVAL SIGN NUMBER

XXX DENOTES MOVING SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 52	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023206-es

PLOT DATE : 9/14/2022 7:28 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON POLE OR SIGN BRIDGE

XXX DENOTES REMOVAL SIGN NUMBER

XXX DENOTES MOVING SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

N

COUNTY V
REMOVE
600

REMOVE
602
603

REMOVE
604

REMOVE
601

105'PSB'
106'PSB'
107'PSB'
105'PNB'
106'PNB'
107'PNB'

MATCHLINE - STA. 104+00.00'NB'

MATCHLINE - STA. 107+50.00'NB'

CTH P

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	EXISTING SIGN REMOVALS	SHEET 53	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-ES.DWG
LAYOUT NAME - 023207-es

PLOT DATE : 9/14/2022 7:28 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

DO NOT ENTER
ESTR

ESTR

ESTR

WRONG WAY
ESTR

ESTR

188'SB'
188'NB'
189'SB'
189'NB'
190'SB'
190'NB'
191'SB'
191'NB'
192'SB'
192'NB'
193'SB'
193
STH 113
MATCHLINE - STA. 193+00.00'NB'

JCT
COUNTY V
COUNTY P
MOVING SIGNS
100

100A
W2-6
30"X30"
100B
20 MPH
W13-1
18"X18"

113 NORTH
P
V
D1-62
102"X72"
101

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)

XXX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

* MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R

** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54.
MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 54	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 4/14/2022 12:22 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SPEED LIMIT 55
MOVING SIGNS
103

SOUTH 113 COUNTY V
MOVING SIGNS
200

194'SB'
195'SB'
196'SB'
197'SB'
198'SB'
STH 113
194'NB'
195'NB'
196'NB'
197'NB'
198'NB'

MATCHLINE - STA. 193+00.00'NB'

MATCHLINE - STA. 304+00.00'NB'

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)

XXX DENOTES SIGN NUMBER

ESTR EXISTING SIGN TO REMAIN

* MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R

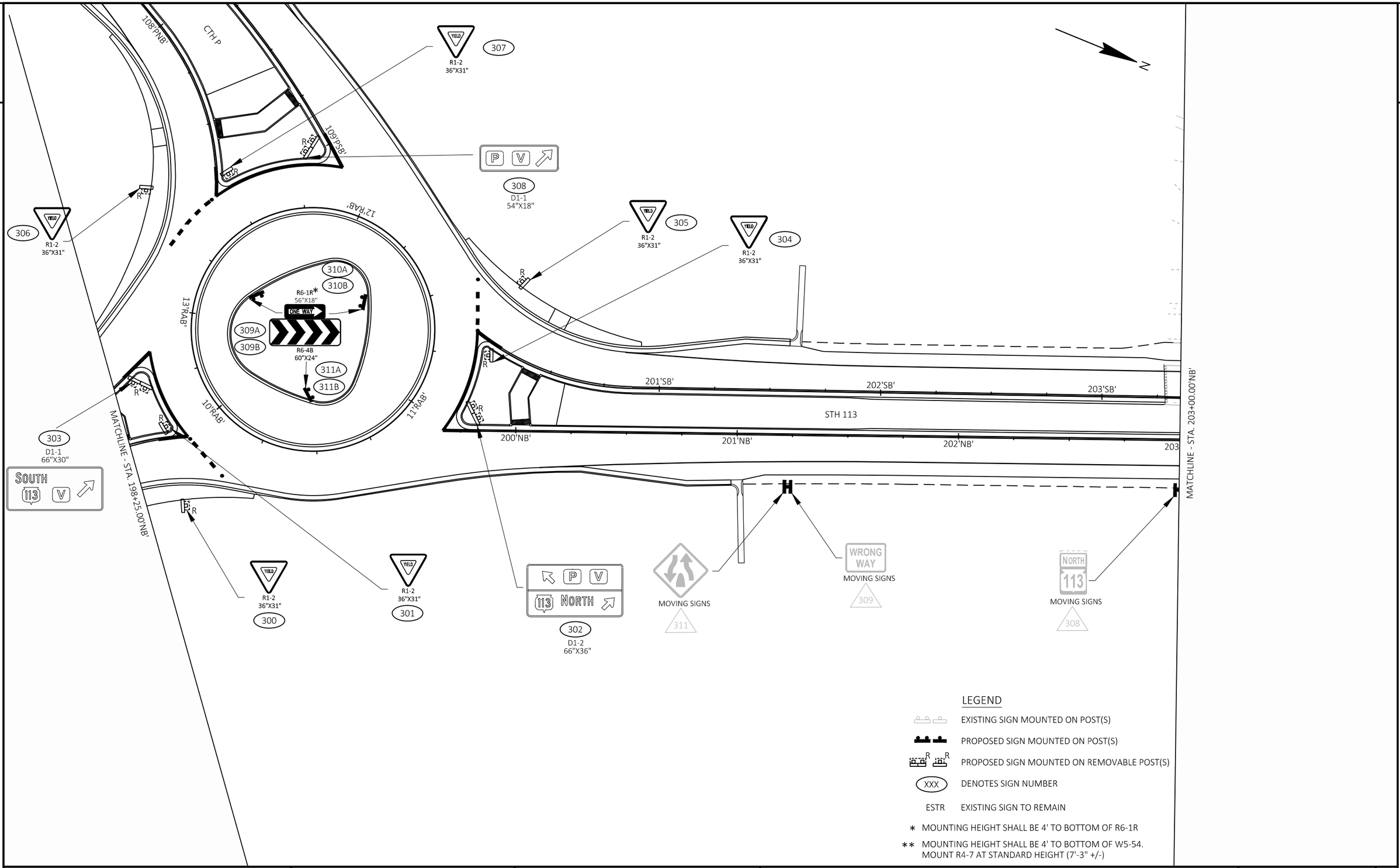
** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54.
MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 55	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 4/14/2022 12:22 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



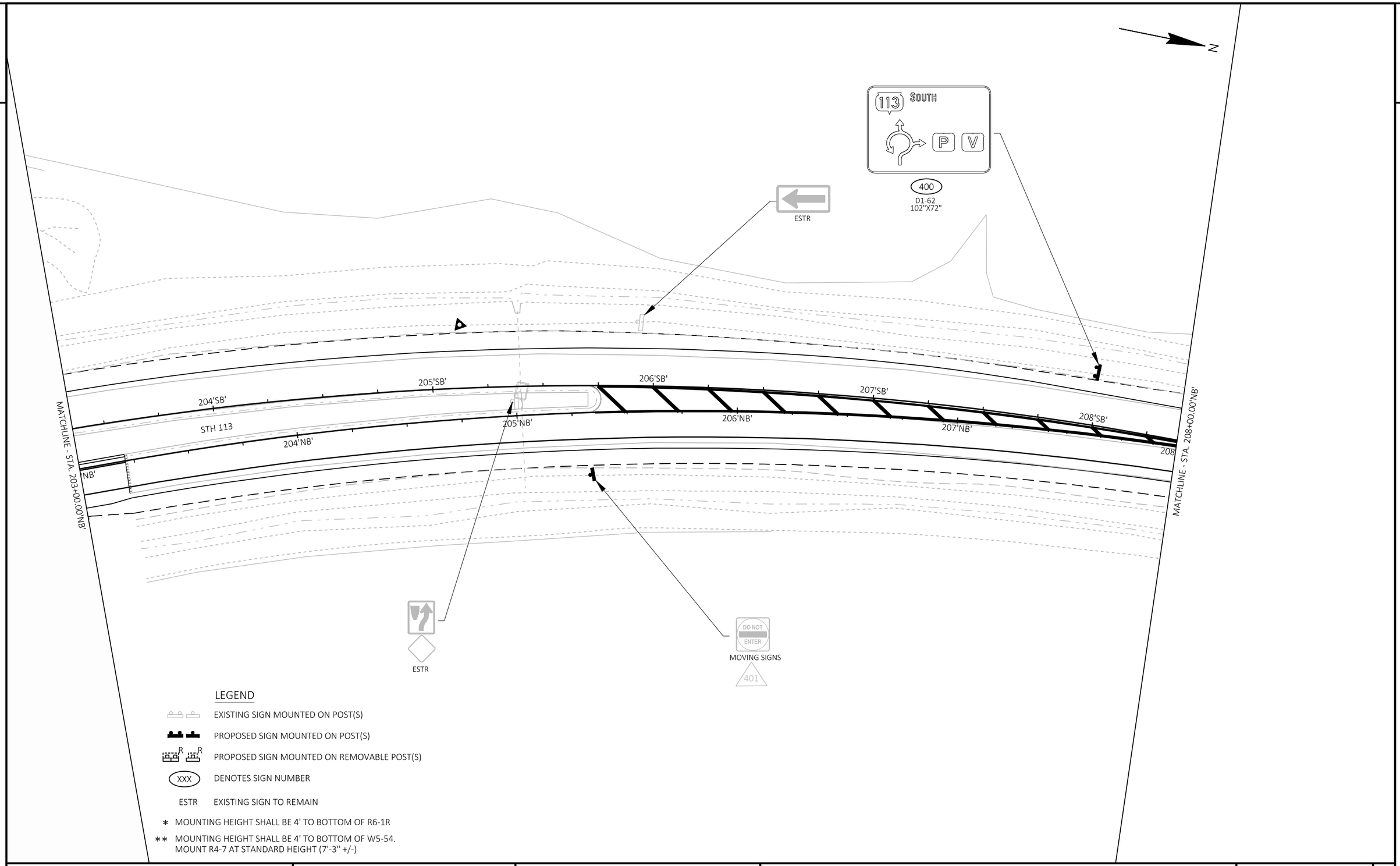
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- * MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R
- ** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54. MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 56	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 7/1/2022 8:41 AM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

* MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R

** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54.
MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 57	E

2

N

500A

W2-6
30"X30"

500B

20 MPH
W13-1
18"X18"

JCT JCT
COUNTY P COUNTY V
MOVING SIGNS
402

200'

MATCHLINE - STA. 208+00.00'NB'

STH 113

209'SB' 209'NB' 210'SB' 210'NB' 211'SB' 211'NB' 212'SB' 212'NB' 213'SB'

ESTR

MOVING SIGNS
403

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

* MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R

** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54.
MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 58	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023205-ps
PLOT DATE : 4/14/2022 12:22 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

CTH V

CTH P

STOP
R1-1
30"X30"
606

COUNTY V P
J12-2
48"X45"
605

COUNTY V
MOVING SIGNS
509

W2-6
30"X30"
601A

20 MPH
W13-1
18"X18"
601B

602
D1-62
132"X42"

NORTH 113 SOUTH 113 V

COUNTY V
J12-1
24"X45"
603

W1-7
48"X24"
604

99'PNB'
100'PNB'
101'PNB'
102'PSB'
102'PNB'
103'PSB'
103'PNB'
104'

MATCHLINE - STA. 104+00.00'NB'

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

* MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R

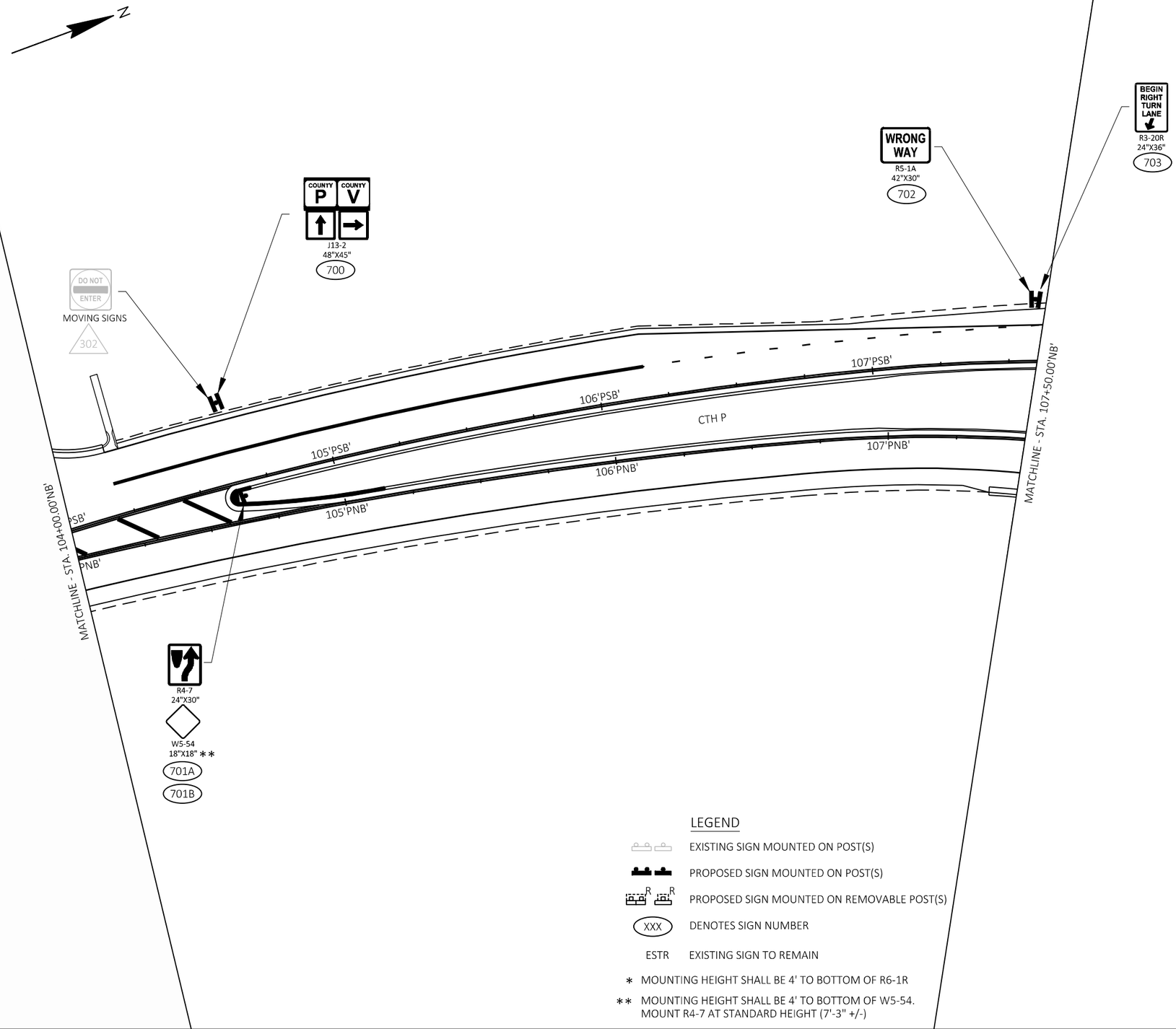
** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54.
MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 59	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023206-ps

PLOT DATE : 7/1/2022 8:21 AM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON REMOVABLE POST(S)
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN
- * MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF R6-1R
- ** MOUNTING HEIGHT SHALL BE 4' TO BOTTOM OF W5-54. MOUNT R4-7 AT STANDARD HEIGHT (7'-3" +/-)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PERMANENT SIGNING	SHEET 60	E

2

2

N

FUTURE SIDEWALK (TYP.)

193'SB' 194'SB' 195'SB' 196'SB' 197'SB' 198'SB'

193'NB' 194'NB' 195'NB' 196'NB' 197'NB' 198

STH 113

MATCHLINE - STA. 198+00.00'NB'

1

LC1 - 5 - (5,7)
STA. 195+90.13'NB', 26.8' RT

PB-6
STA. 195+91.46'NB', 33.1' RT

LC1 - 4 - (1,3)
STA. 197+72.01'NB', 36.4' RT

PB-5
STA. 197+70.74'NB', 45.5' RT

LEGEND

POLES TYPE 6-ALUMINUM WITH LUMINAIRE ARMS
TRUSS TYPE 4 1/2-INCH CLAMP 12-FT
CONCRETE BASE TYPE 6, TRANSFORMER BASE
LED LAMP TYPE C

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

PULL BOXES NON-CONDUCTIVE 24X42-INCH

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)

X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

1 | 1 2" | 2 2 LIGHT | 1 2 GND

1 | 1 2" | 2 12 LIGHT | 1 12 GND
2 | 1 2" | 4 12 LIGHT | 2 12 GND
3 | 2 3" | 6 12 LIGHT | 3 12 GND
4 | 2 3" | 4 12 LIGHT | 2 12 GND
5 | 1 2" | 1 12 GND

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	LIGHTING PLAN	SHEET 61	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023601-lp

PLOT DATE : 9/14/2022 7:32 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCHLINE - STA. 108+00.00'PNB'

LC1 - 8 - (2,4)
STA. 108+10.84 'PNB', 34.2' RT

PB-9
STA. 108+13.48 'PNB', 41.6' RT

CTH P

106'PSB'

LC1 - 6 - (2,4)
STA. 11+93.81 'RAB', 50.0' RT

PB-7
STA. 11+76.87 'RAB', 43.4' RT

LC1
STA. 11+69.97 'RAB', 40.7' RT

12'RAB'

PB-1
STA. 200+36.25 'SB', -43.3' LT

PB-2
STA. 202+74.76'SB', -36.7' LT

LC1 - 1 - (1,3)
STA. 200+86.49 'SB', -35.8' LT

LC1 - 2 - (5,7)
STA. 202+75.32, -30.32 LT

PB-8
STA. 12+93.35 'RAB', 49.8' RT

13'RAB'

LC1 - 7 - (6,8)
STA. 13+01.14 'RAB', 52.1' RT

10'RAB'

11'RAB'

201'SB'

202'SB'

203'SB'

204'SB'

STH 113

200'NB'

201'NB'

202'NB'

203'NB'

MATCHLINE - STA. 198+00.00'NB'

LC1 - 3 - (5,7)
STA. 199+74.65 'NB', 36.1' RT

PB-3
STA. 199+77.10 'NB', 42.5' RT

PB-4
STA. 198+51.45, 42.14 RT

FUTURE SIDEWALK (TYP.)

1	1 2"	2 12 LIGHT	1 12 GND	
2	1 2"	4 12 LIGHT	2 12 GND	
3	2 3"	6 12 LIGHT	3 12 GND	
4	2 3"	4 12 LIGHT	2 12 GND	
5	1 2"	1 12 GND		

LEGEND

POLES TYPE 6-ALUMINUM WITH LUMINAIRE ARMS
TRUSS TYPE 4 1/2-INCH CLAMP 12-FT
CONCRETE BASE TYPE 6, TRANSFORMER BASE
LED LAMP TYPE C

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

PULL BOXES NON-CONDUCTIVE 24X42-INCH

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)
X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. ← (LOCATION TO CENTER OF POLE)

CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)
1 2" | 2 2 LIGHT | 1 2 GND

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	LIGHTING PLAN	SHEET 62 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 9/14/2022 7:32 AM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

301'W

104'PSB'

104'PNB'

105'PSB'

105'PNB'

106'PSB'

106'PNB'

107'PSB'

107'PNB'

108'PSB'

108'

CTH P

MATCHLINE - STA. 108+00.00'PNB'

FUTURE SIDEWALK (TYP.)

LC1 - 9 - (6,8)
STA. 106+25.91 'PNB', 24.6' RT

PB-10
STA. 106+25.93 'PNB', 32.0' RT

LC1 - 10 - (2,4)
STA. 104+25.00'PNB', 24.5' RT

PB-11
STA. 104+25.41'PNB', 29.5' RT

1	1 2"	2 12 LIGHT	1 12 GND	
2	1 2"	4 12 LIGHT	2 12 GND	
3	2 3"	6 12 LIGHT	3 12 GND	
4	2 3"	4 12 LIGHT	2 12 GND	
5	1 2"	1 12 GND		

LEGEND

POLES TYPE 6-ALUMINUM WITH LUMINAIRE ARMS
TRUSS TYPE 4 1/2-INCH CLAMP 12-FT
CONCRETE BASE TYPE 6, TRANSFORMER BASE
LED LAMP TYPE C

LIGHTING CONTROL CABINET AND ELECTRICAL SERVICE BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH (SCHEDULE 80 BELOW ROADWAY)

PULL BOXES NON-CONDUCTIVE 24X42-INCH

LIGHTING CONTROL CABINET DESIGNATION
POLE NUMBER
LIGHTING CIRCUIT(S)

X-X-(X,X)
STA. XX+XX.XX, XX.XX' RT./LT. — (LOCATION TO CENTER OF POLE)

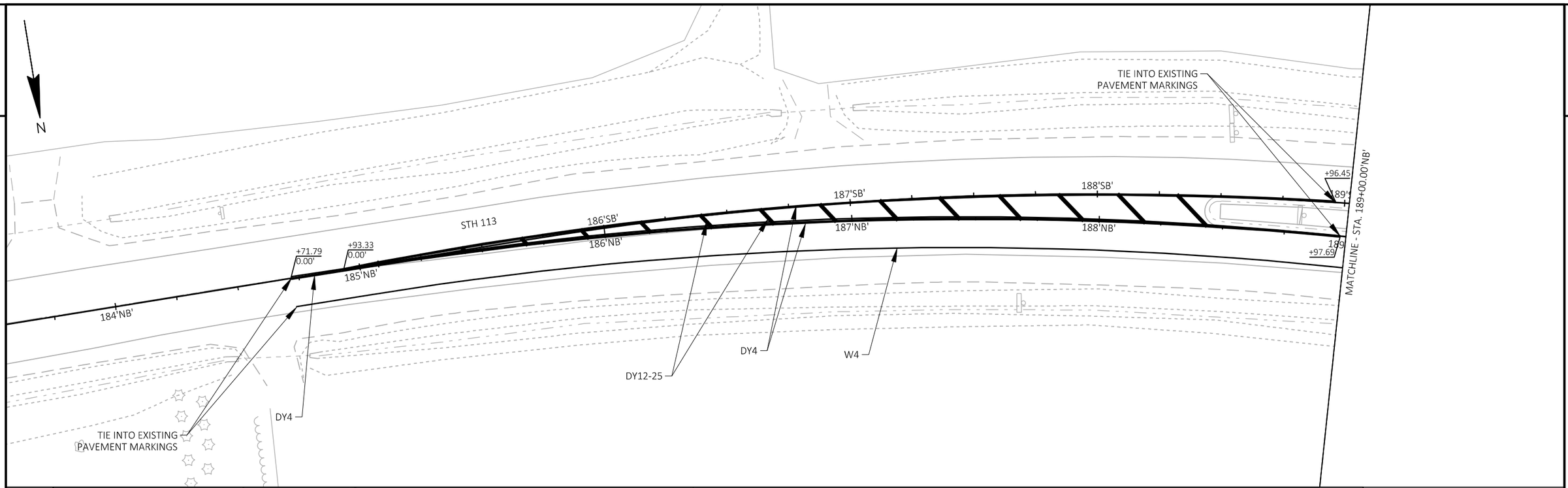
CONDUIT QUANTITY/SIZE
PHASE CONDUCTOR QUANTITY/SIZE (AWG)/CIRCUIT
EQUIPMENT GROUNDING CONDUCTOR QUANTITY/SIZE (AWG)

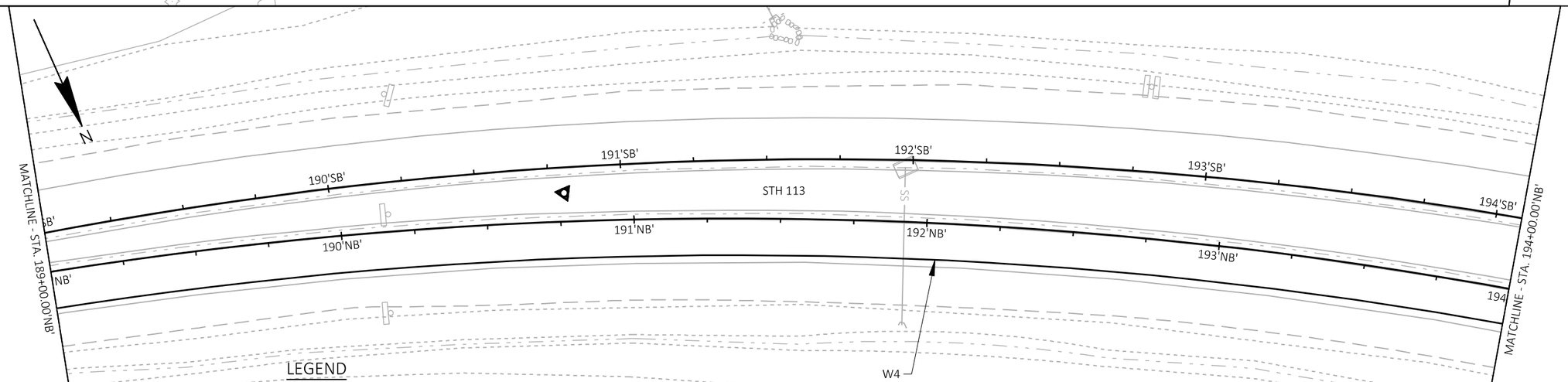
1 2" | 2 2 LIGHT | 1 2 GND

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	LIGHTING PLAN	SHEET 63 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023603-lp

PLOT DATE : 9/14/2022 7:33 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT





LEGEND

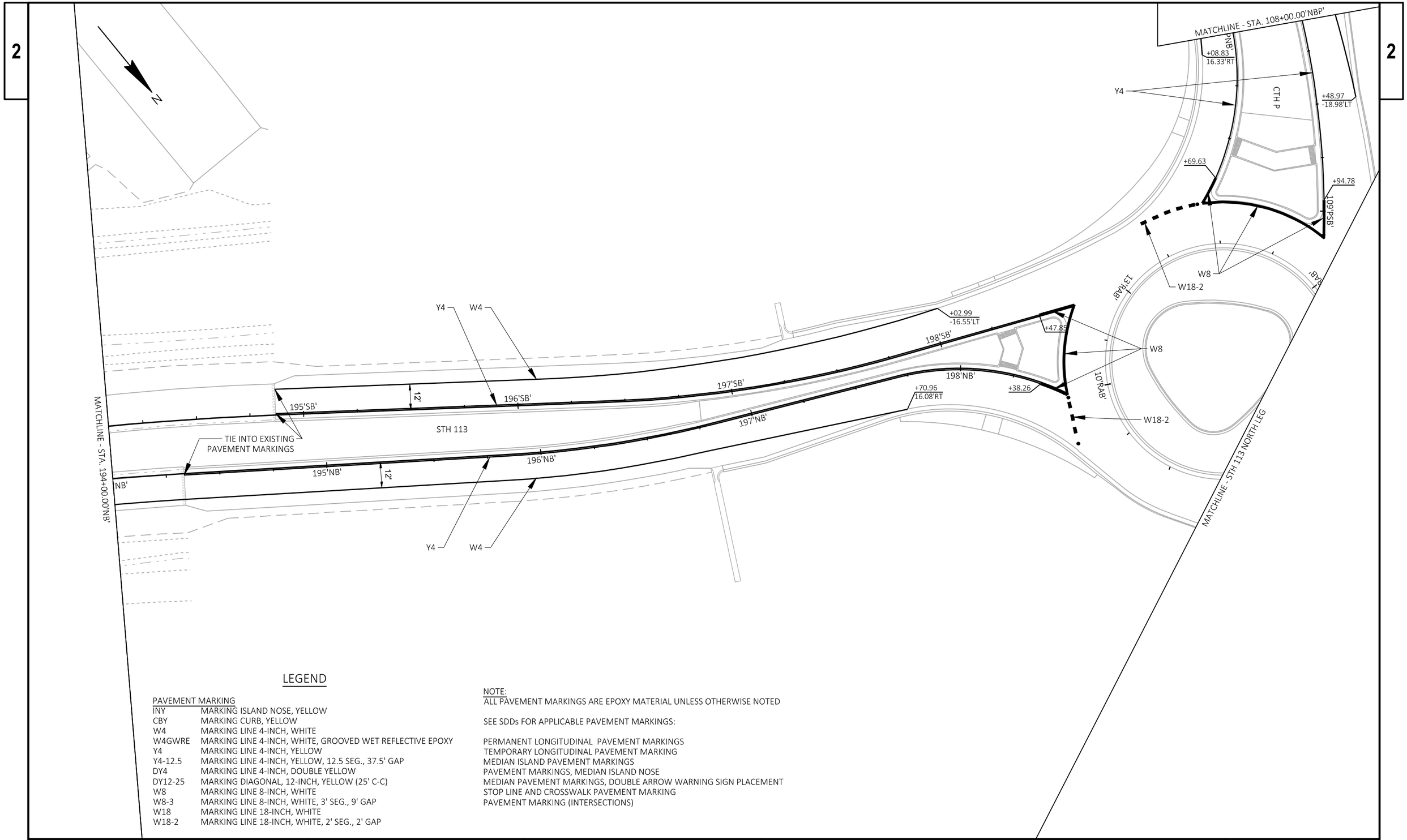
PAVEMENT MARKING	
INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 64	E



LEGEND

PAVEMENT MARKING	
INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

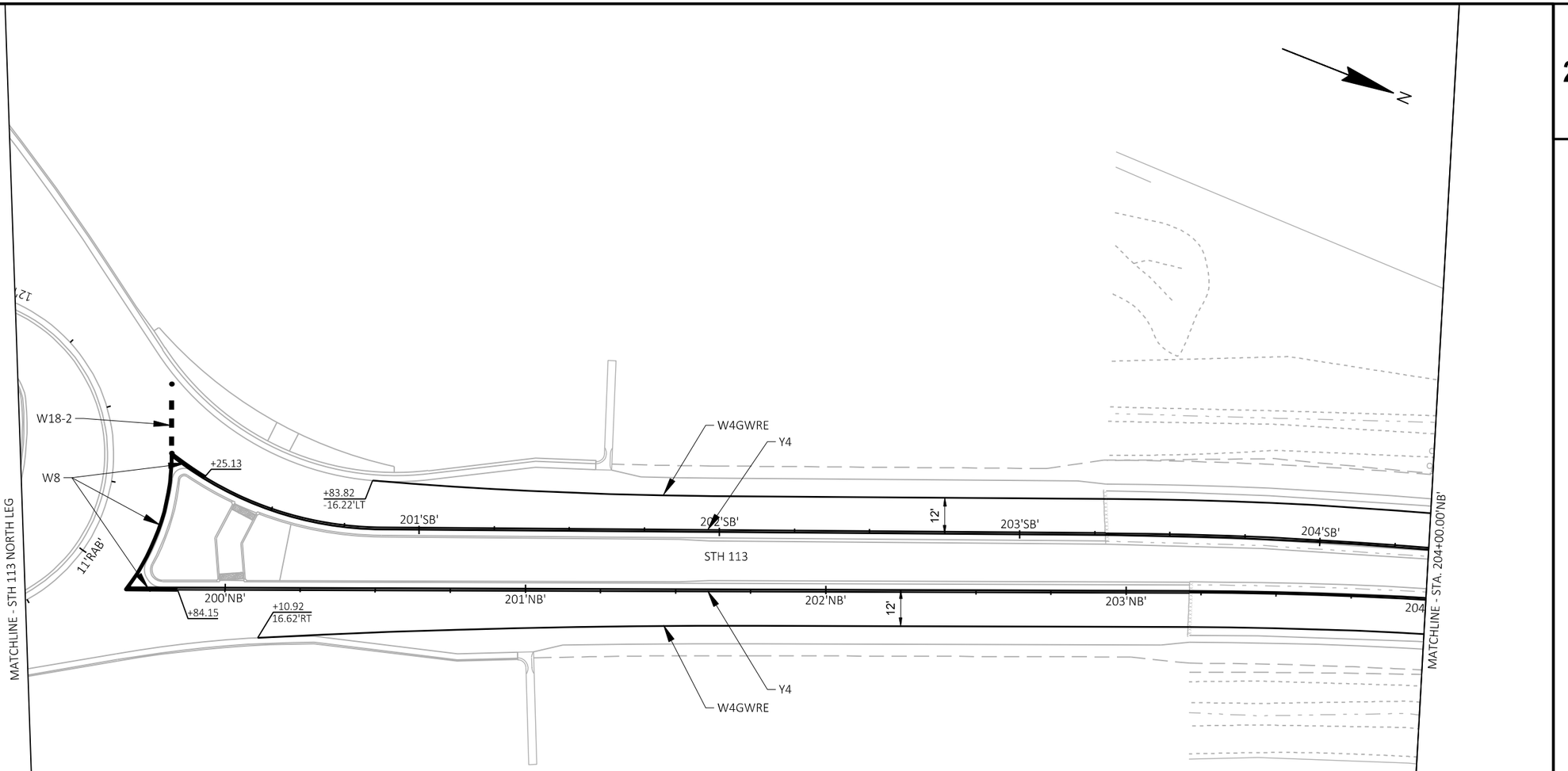
NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 65	E

2



LEGEND

PAVEMENT MARKING

INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 66	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 9/29/2022 8:00 PM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE - STA. 204+00.00'NB'

205'SB' Y4 +24.99 DY4

NB'

+85.37

Y4 205'NB' DY4

206'SB'

STH 113

206'NB'

207'SB'

207'NB'

208'SB'

208'NB'

209'SB'

209'NB'

210'SB'

+45.37 0.00' BEGIN DOUBLE YELLOW SPLIT

+08.58 0.00'

Y4

DY12-25

DY4

W4GWRE

DY4

Y4

Y4-12.5

LEGEND

PAVEMENT MARKING

INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

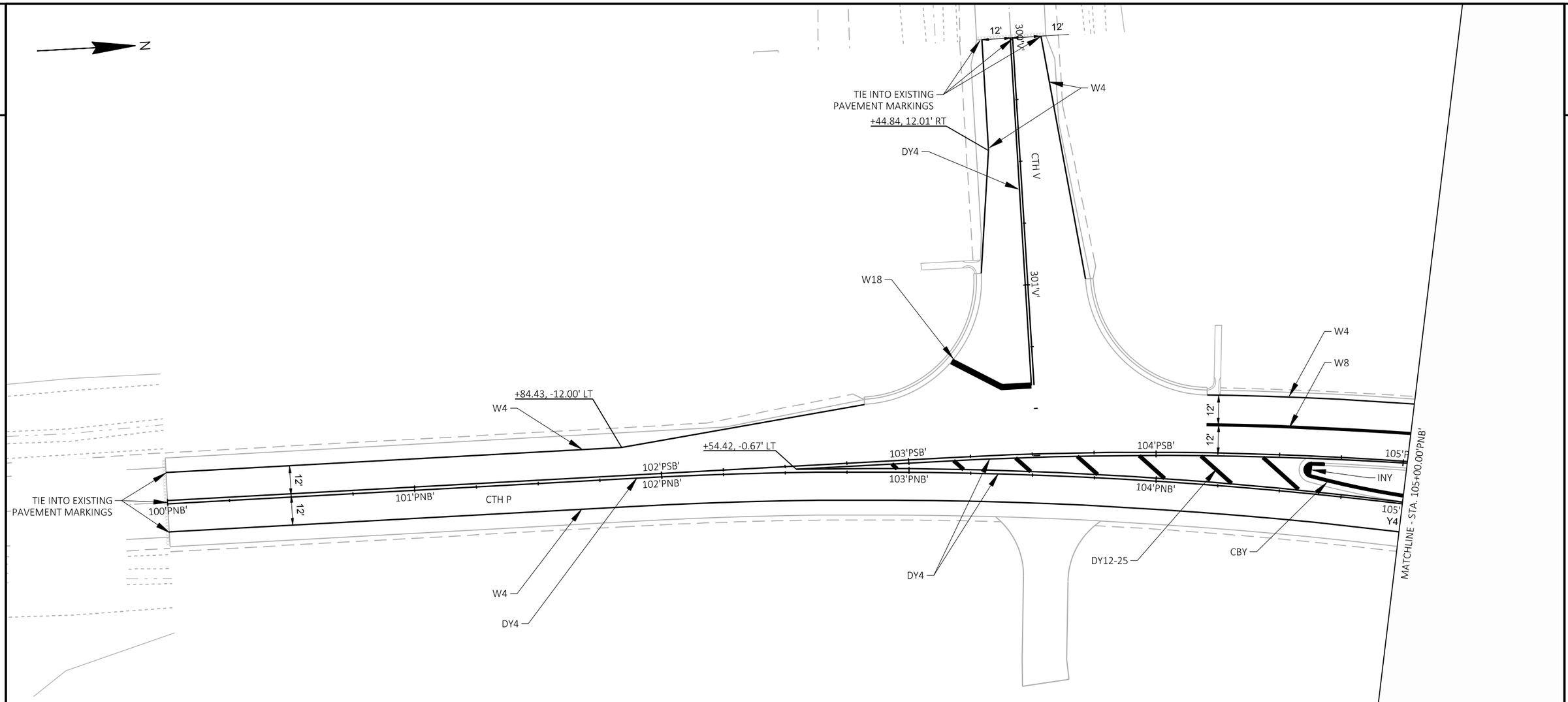
PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 67	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm

PLOT DATE : 9/30/2022 2:52 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

PAVEMENT MARKING

INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

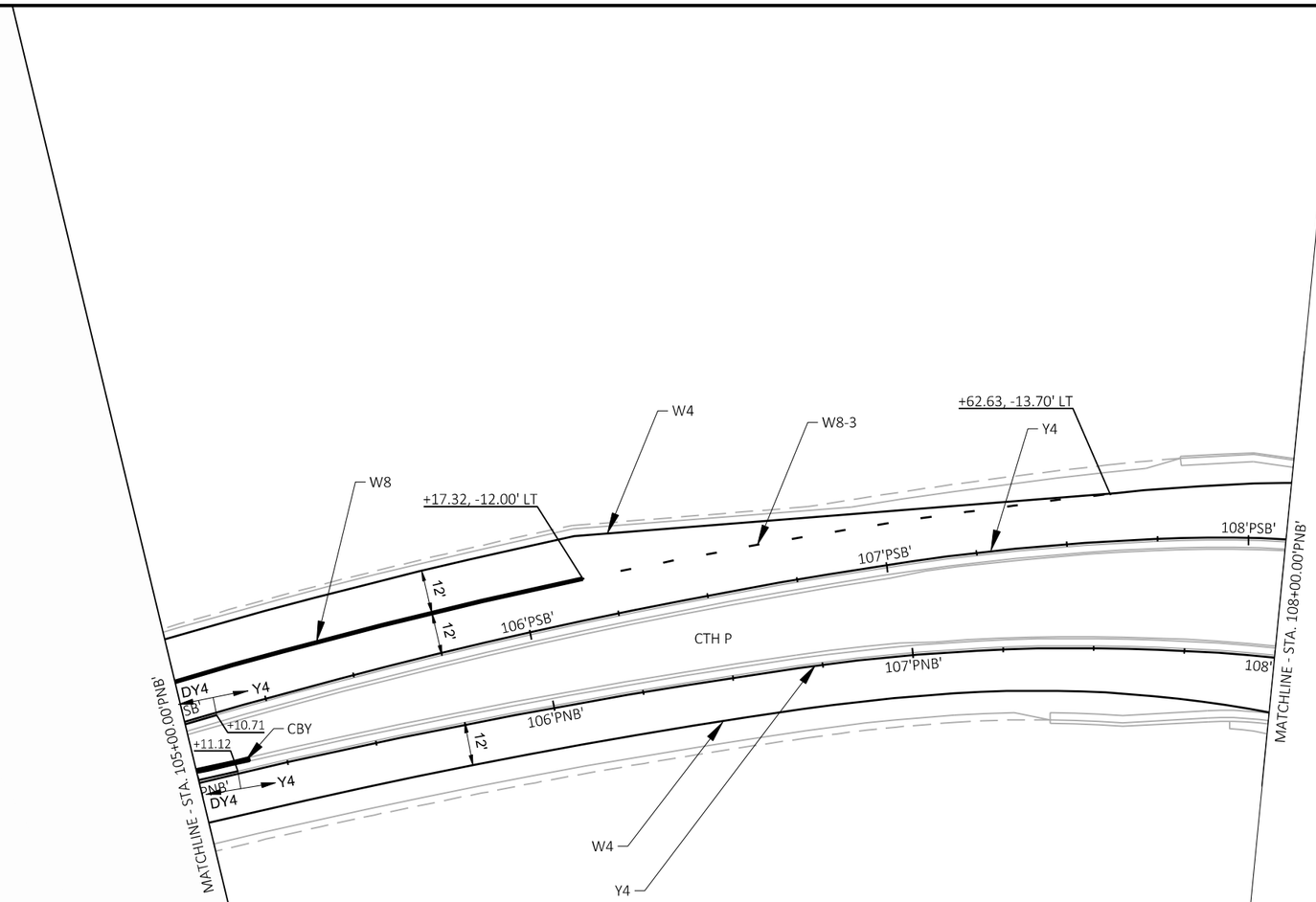
NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PAVEMENT MARKINGS	SHEET 68	E

2



LEGEND

PAVEMENT MARKING

INY	MARKING ISLAND NOSE, YELLOW
CBY	MARKING CURB, YELLOW
W4	MARKING LINE 4-INCH, WHITE
W4GWRE	MARKING LINE 4-INCH, WHITE, GROOVED WET REFLECTIVE EPOXY
Y4	MARKING LINE 4-INCH, YELLOW
Y4-12.5	MARKING LINE 4-INCH, YELLOW, 12.5 SEG., 37.5' GAP
DY4	MARKING LINE 4-INCH, DOUBLE YELLOW
DY12-25	MARKING DIAGONAL, 12-INCH, YELLOW (25' C-C)
W8	MARKING LINE 8-INCH, WHITE
W8-3	MARKING LINE 8-INCH, WHITE, 3' SEG., 9' GAP
W18	MARKING LINE 18-INCH, WHITE
W18-2	MARKING LINE 18-INCH, WHITE, 2' SEG., 2' GAP

NOTE:
ALL PAVEMENT MARKINGS ARE EPOXY MATERIAL UNLESS OTHERWISE NOTED

SEE SDDs FOR APPLICABLE PAVEMENT MARKINGS:

PERMANENT LONGITUDINAL PAVEMENT MARKINGS
TEMPORARY LONGITUDINAL PAVEMENT MARKING
MEDIAN ISLAND PAVEMENT MARKINGS
PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
STOP LINE AND CROSSWALK PAVEMENT MARKING
PAVEMENT MARKING (INTERSECTIONS)

2

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" X 48" UNLESS OTHERWISE NOTED.

4) FOR NIGHTTIME OPERATION, ALL DRUMS IN TAPERS SHALL HAVE A TYPE "C" WARNING LIGHT.

5) ALL TYPE III BARRICADES WITH SIGNS SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.

6) ALL TEMPORARY PAVEMENT SHALL CONSIST OF 3 INCHES OF ASPHALTIC SURFACE TEMPORARY, OVER 12 INCHES OF BASE AGGREGATE DENSE 1-1/4".

7) ALL TEMPORARY PAVEMENT MARKINGS ON PERMANENT PAVEMENT SHALL BE REMOVABLE TAPE.

8) EXISTING STOP AHEAD AND STOP SIGNS CAN BE RELOCATED AND USED FOR TRAFFIC CONTROL.

9) ALL TEMPORARY STOP SIGNS SHALL HAVE TWO FLAGS MOUNTED ABOVE THE SIGN.

10) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

11) BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.

12) ALL TRAFFIC CONTROL DRUMS ARE SPACED AT 50-FEET, UNLESS OTHERWISE NOTED.

13) PERMANENT SIGNING AND PAVEMENT MARKING SHALL BE PLACED IN THE EARLIEST STAGE SO AS NOT TO CONFLICT WITH SUBSEQUENT STAGES.

14) FOR SIGNS MOUNTED ON PORTABLE OR TEMPORARY SIGN SUPPORTS, PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE ADJACENT PAVEMENT.

15) SEE SDD "TEMPORARY TRAFFIC CONTROL, SIGN MOUNTING" FOR SIGN MOUNTING.

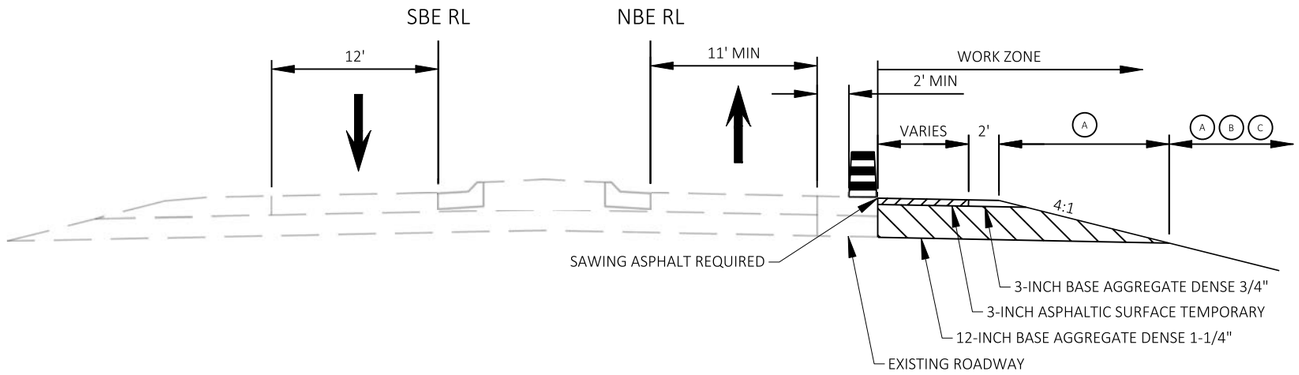
16) ELIMINATE DROP-OFFS OF 2-INCHES OR MORE WITHIN 10-FEET OR LESS FROM THE EDGE OF THE STH 113 TRAVELED WAY BEFORE THE END OF OPERATIONS ON THAT DAY. COMPACTED MATERIAL PLACED TO A TEMPORARY 3:1 OR FLATTER SLOPE FROM THE SURFACE OF THE PAVEMENT EDGE IS ACCEPTABLE.

WORK ZONE TRAFFIC CONTROL SYMBOLS

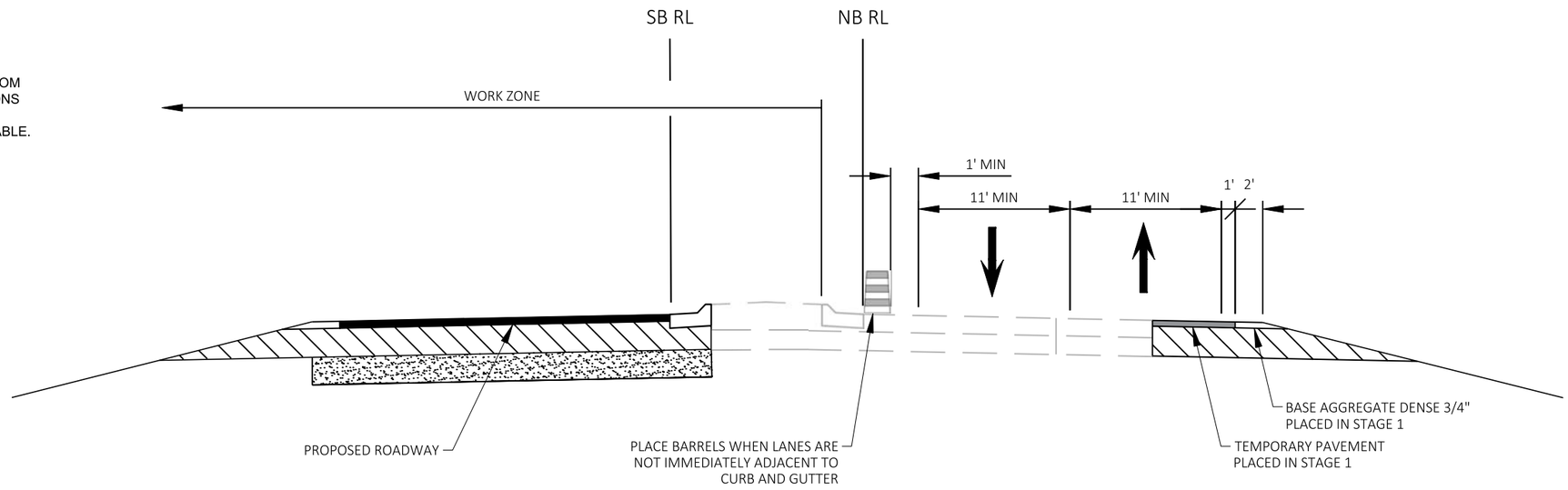
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- MB — PORTABLE CHANGEABLE MESSAGE SIGN BOARD
- TWO 18" X 18" FLAGS (ORANGE), INCIDENTAL TO TRAFFIC CONTROL SIGNS, REFLECTIVE
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

LEGEND

- A — TEMPORARY SEEDING & FERTILIZER TYPE B
- B — 4" SALVAGED TOPSOIL
- C — MULCHING OR EROSION MAT (SEE EROSION CONTROL PLANS FOR EROSION MAT TYPE)

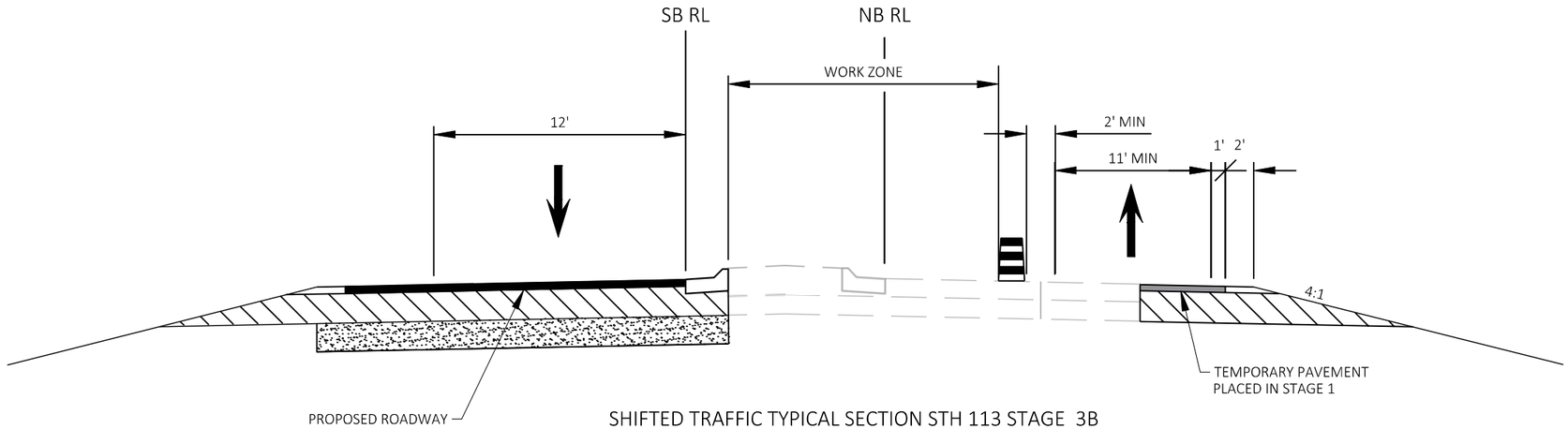


TEMPORARY WIDENING TYPICAL SECTION STH 113 STAGE 1

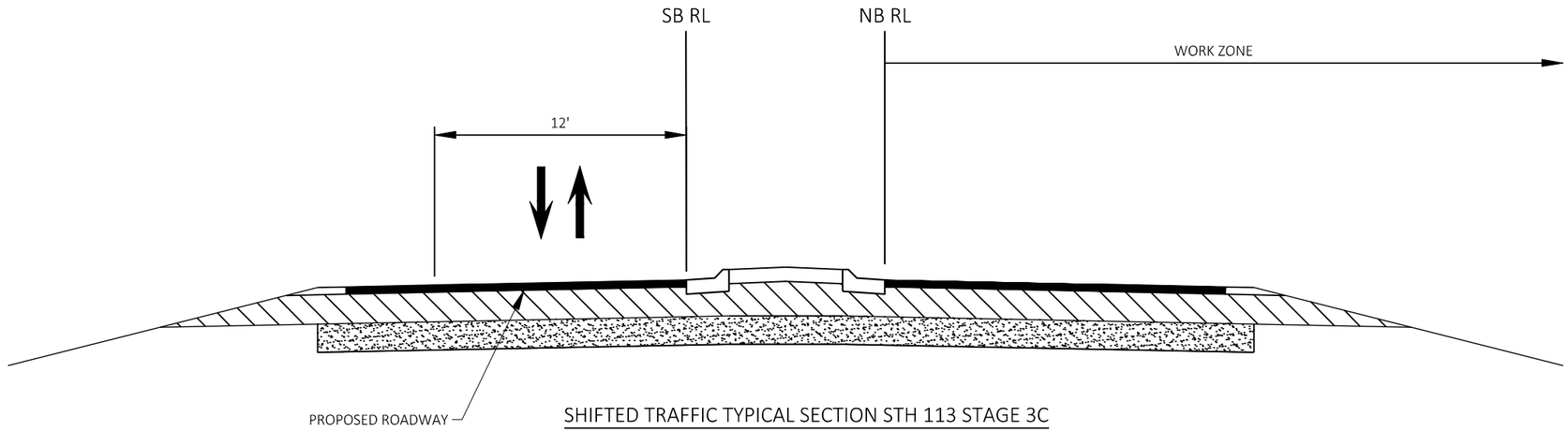


SHIFTED TRAFFIC TYPICAL SECTION STH 113 STAGE 2 & 3A

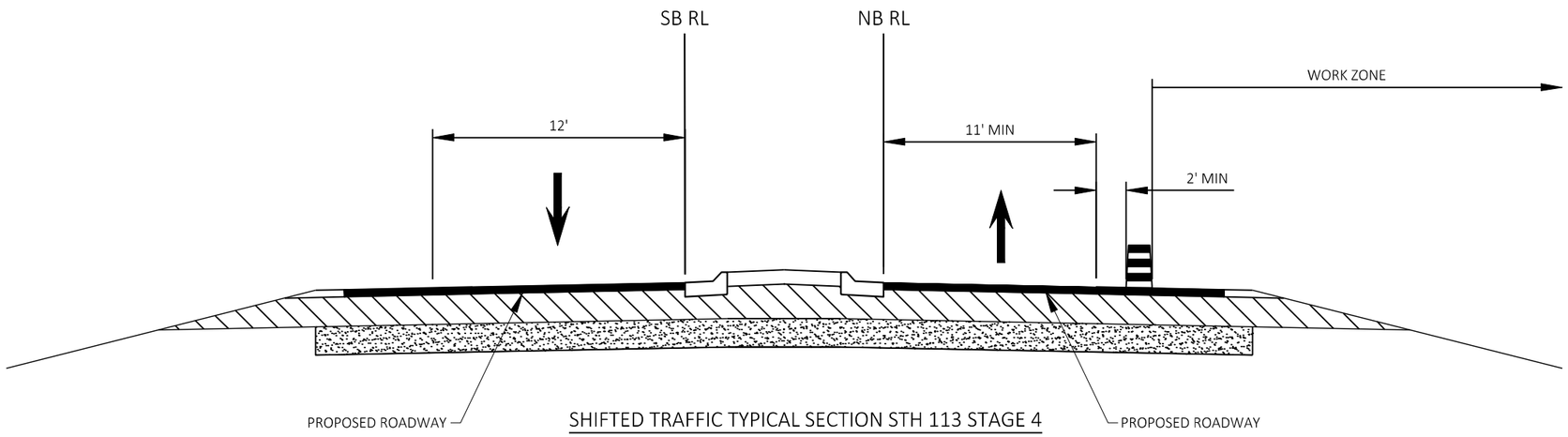
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 70	E



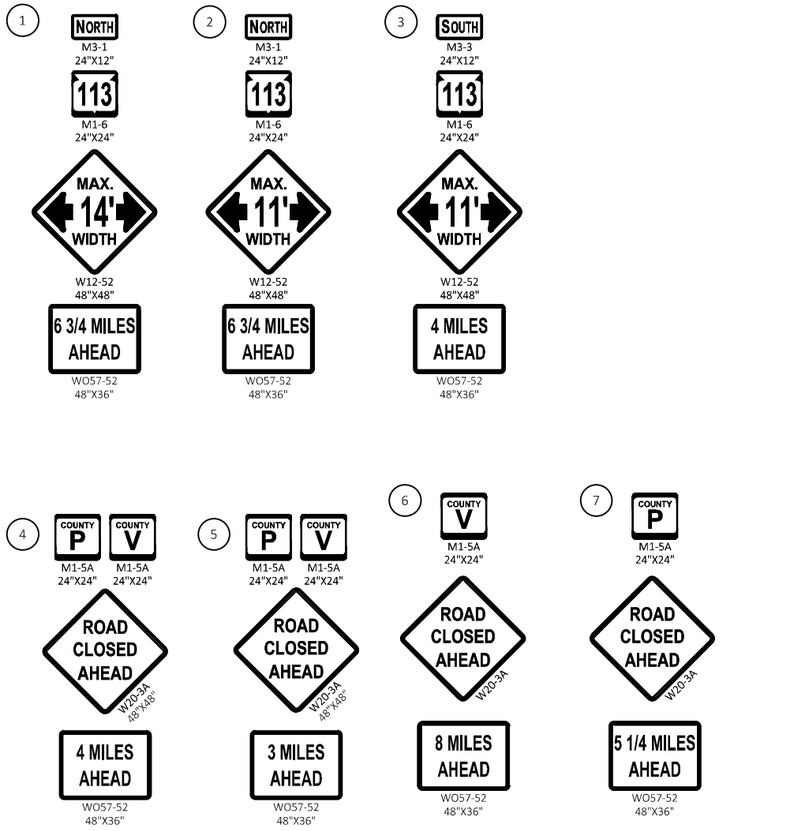
SHIFTED TRAFFIC TYPICAL SECTION STH 113 STAGE 3B



SHIFTED TRAFFIC TYPICAL SECTION STH 113 STAGE 3C



SHIFTED TRAFFIC TYPICAL SECTION STH 113 STAGE 4



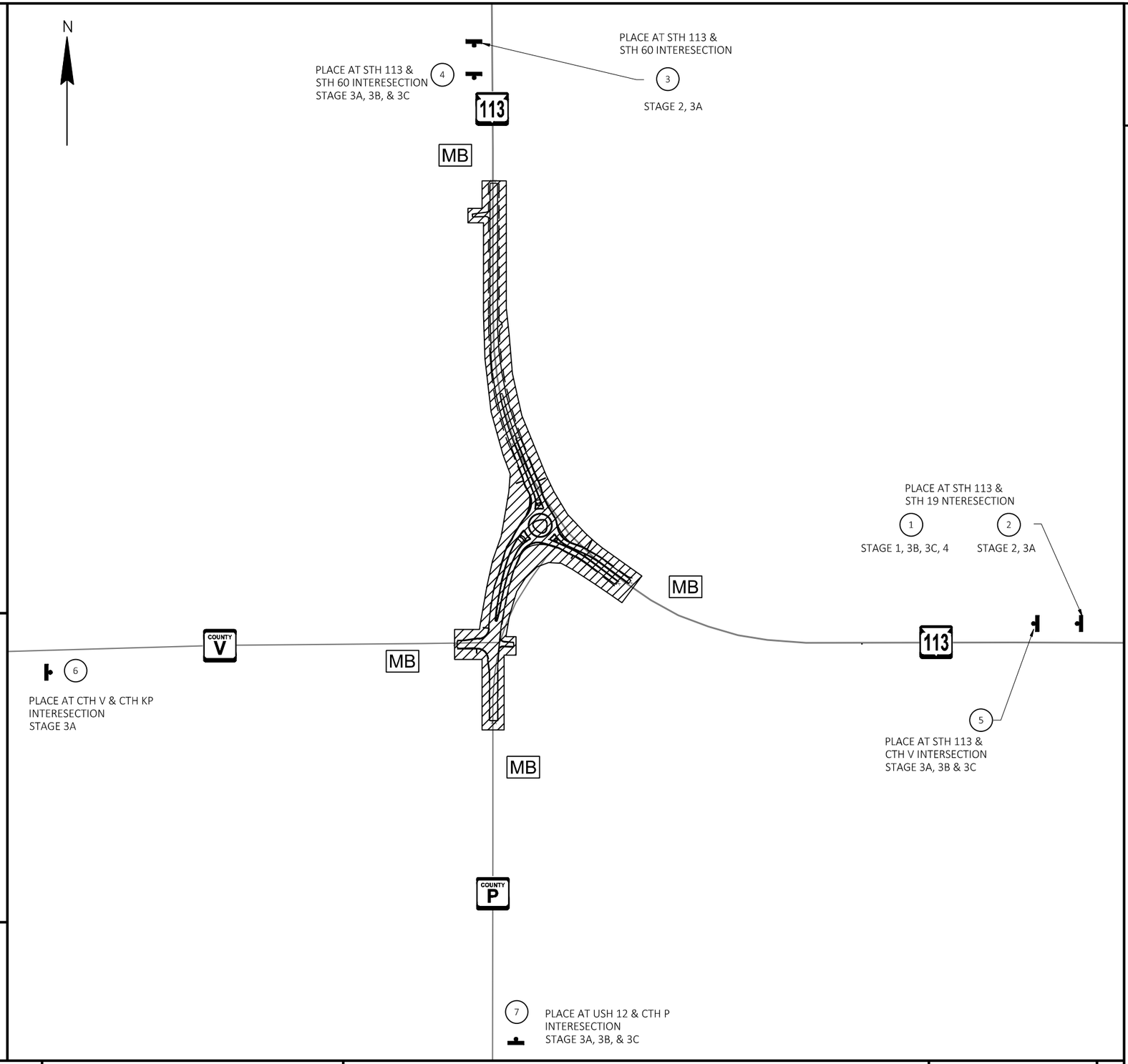
PCMS MESSAGES				
	7 DAYS PRIOR TO CONSTRUCTION/STAGE			
	STAGE 1		STAGE 3A	
PCMS SITE LOCATION	FRAME A (2 SEC)	FRAME B (2 SEC)	FRAME A (2 SEC)	FRAME B (2 SEC)
NB STH 113	ROAD WORK BEGINS	D.O.W. MM-DD	HWY P HWY V CLOSED	BEGINS D.O.W. MM-DD
SB STH 113	ROAD WORK BEGINS	D.O.W. MM-DD	HWY P HWY V CLOSED	BEGINS D.O.W. MM-DD
CTH P	ROAD WORK BEGINS	D.O.W. MM-DD	ROAD CLOSED BEGINS	D.O.W. MM-DD
CTH V	ROAD WORK BEGINS	D.O.W. MM-DD	ROAD CLOSED BEGINS	D.O.W. MM-DD

PCMS NOTES:

1. PCMS LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. PCMS SHOULD BE PLACED AS FAR AWAY FROM THE LIVE TRAFFIC LANES AS POSSIBLE WITHOUT HAMPERING VISIBILITY.
3. REFLECTORIZED DRUMS SHOULD BE PLACED AHEAD OF PCMS ON THE SHOULDER.

LEGEND

- WORK AREA
- PORTABLE CHANGEABLE MESSAGE BOARD (MB)
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT



2

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" SEE DETAIL "TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL" ON CTH V

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" ON CTH P

CTH V

CTH P

46'PE' 47'PE' 48'PE' 49'PE' 50'PE' 51'PE' 52'PE' 53'PE' 54'PE' 55'PE'

199'SBE' 198'SBE' 197'SBE' 196'SBE' 195'SBE' 194'SBE'

200'SBE' 201'SBE' 202'SBE' 203'SBE'

200'NBE' 201'NBE' 202'NBE' 203'NBE'

198'NBE' 197'NBE' 196'NBE' 195'NBE' 194'NBE'

STH 113

25' 100' 13'

DO NOT WORK ON MEDIAN AND OUTSIDE SHOULDER AT THE SAME TIME

MATCHLINE - STA 204+00 NB'

MATCHLINE - STA 193+00 NB'

TEMPORARY COVER PLATE

TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE BID ITEM)

MOVING SIGNS S101 S102 S103 S104

MOVING SIGNS S105

MOVING SIGNS S106

MOVING SIGNS S107

MOVING SIGNS S108

EXISTING SIGN TO BE PLACED OUTSIDE OF TEMPORARY PAVING ON PERMANENT SUPPORT

UTILIZE SDD "TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATIONS" TO CONSTRUCT HALF OF THE NEW STORM SEWER. FINAL CONNECTION TO BE COMPLETED IN STAGE 3B.

EXISTING PAVEMENT MARKINGS TO REMAIN.

LEGEND

- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- REMOVING PAVEMENT MARKINGS
- XXX DENOTES MOVING SIGN NUMBER

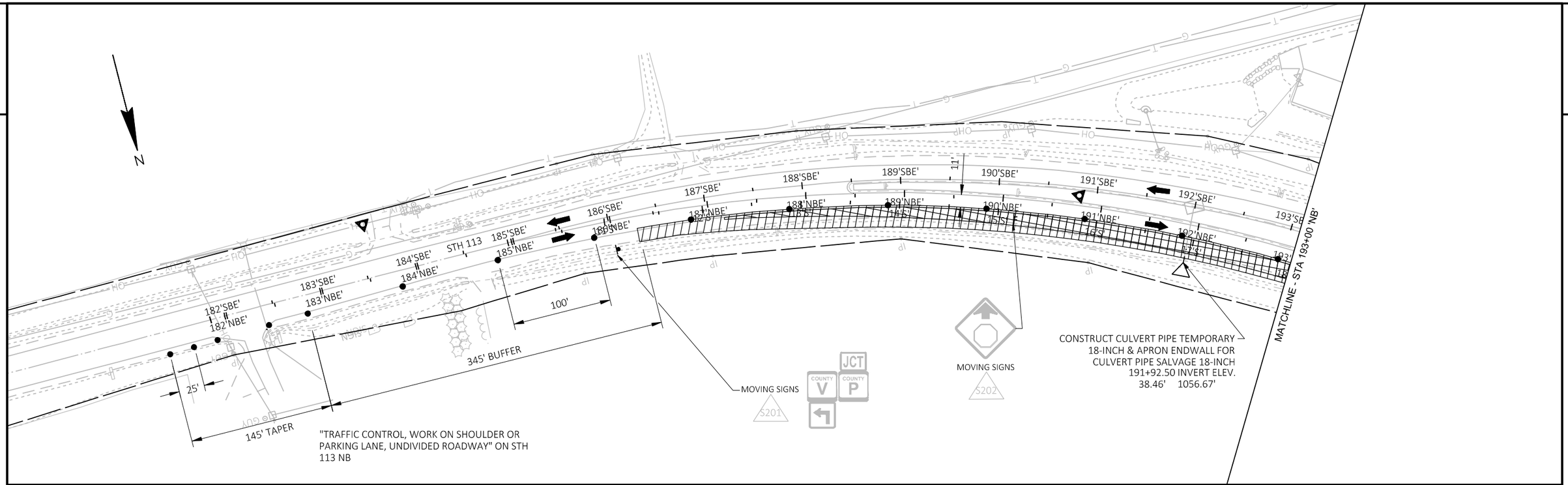
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

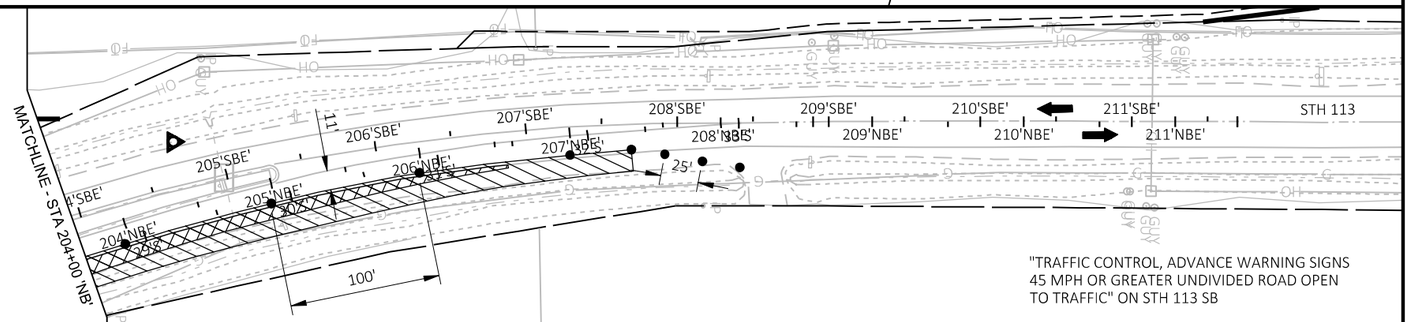
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 1	SHEET 73	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026001-s1

PLOT DATE : 9/14/2022 1:33 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





EXISTING PAVEMENT MARKINGS TO REMAIN.

LEGEND

- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- REMOVING PAVEMENT MARKINGS
- XXX — DENOTES MOVING SIGN NUMBER

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 1	SHEET 74	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S1.DWG
LAYOUT NAME - 026002-s1
PLOT DATE : 9/30/2022 2:50 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" SEE DETAIL "TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL" ON CTH V

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" ON CTH P

CTH V

CTH P

SEAL INLET
(INCIDENTAL TO INLET BID ITEM)

TEMPORARY PIPE SEAL
(INCIDENTAL TO PIPE BID ITEM)

MAINTAIN DRAINAGE THROUGH EXISTING CULVERTS AND DITCHES

MATCHLINE - STA 204+00 'NB'

99'PNB' 100'PNB' 101'PNB' 102'PSB' 102'PNB' 103'PSB' 103'PNB' 104'PSB' 104'PNB' 105'PSB' 105'PNB' 106'PSB' 106'PNB' 107'PSB' 107'PNB' 108'PSB' 108'PNB' 109'PSB' 109'PNB' 200'NB' 201'SB' 201'NB' 202'SB' 202'NB' 203'SB' 203'NB' 204'SB' 204'NB'

STH 113

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MAINTAIN EXISTING CENTERLINE AND EDGELINE PAVEMENT MARKINGS

REMOVE EXISTING PAVEMENT MARKINGS

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

50' 12' 25' 13' RAB 10' RAB 14' RAB 98' RAB 25' 25' 11' 11' 100' 28' 25' 25' 22' 22' 100' 11' 11' 22' 22' 100' 22' 22' 100' 22' 22' 100

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS
45 MPH OR GREATER UNDIVIDED ROAD OPEN
TO TRAFFIC" ON STH 113 NB

STH 113

50'

1000'

184'NB'

183'NB'

185'SB'

185'NB'

186'SB'

186'NB'

187'SB'

187'NB'

188'SB'

188'NB'

189'SB'

189'NB'

190'SB'

190'NB'

191'SB'

191'NB'

192'SB'

192'NB'

193'S'

193'SB'

193'NB'

MATCHLINE - STA 193+00 'NB'

TW4
TTDY4
TTW4

REMOVE EXISTING
PAVEMENT MARKINGS

REMOVE EXISTING EDGELINE
PAVEMENT MARKINGS

MOVING SIGNS
S202

MAINTAIN FROM PREVIOUS STAGE

WO1-4R

NOTE:
USE TEMPORARY MARKING LINE REMOVABLE TAPE ON NEW PAVEMENT OR EXISTING PAVEMENT THAT IS TO REMAIN

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- REMOVING PAVEMENT MARKINGS
- EXISTING SIGN TO BE COVERED
- XXX — DENOTES MOVING SIGN NUMBER

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MOVING SIGNS
S204

WO1-6
48" X 24"
TYPE III BARRICADE

MAINTAIN DRIVEWAY ACCESS
DURING CONSTRUCTION

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS
45 MPH OR GREATER UNDIVIDED ROAD OPEN
TO TRAFFIC" ON STH 113 SB

335' BUFFER

145' TAPER

100'

50'

1000'

STH 113

205'SB'

206'SB'

206'NB'

207'SB'

207'NB'

208'SB'

208'NB'

209'SB'

209'NB'

210'SB'

210'NB'

211'SB'

211'NB'

212'SB'

212'NB'

213'SB'

213'NB'

214'SB'

214'NB'

215'SB'

215'NB'

216'SB'

216'NB'

217'SB'

MATCHLINE - STA 204+00 'NB'

TTDY4

TTY4
TTW4

REMOVE EXISTING
PAVEMENT MARKINGS

MOVING SIGNS
S205

EXISTING SIGN TO BE PLACED ON PERMANENT
SUPPORT FOLLOWING DITCH GRADING WORK

WO1-2L

N

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 2	SHEET 76	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S2.DWG
LAYOUT NAME - 026002-s2

PLOT DATE : 9/30/2022 3:27 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

TYPE III BARRICADE

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

TYPE III BARRICADE
"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES, DETAIL 1" FOR ADVANCE SIGNING ON CTH V

N

CTH P

"BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAIL C & E" ON CTH P

R11-4
60" X 30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

MAINTAIN DRIVEWAY ACCESS FROM CTH P AND CTH V DURING CONSTRUCTION

MAKE FINAL CONNECTION TO STORM SEWER

MAKE FINAL CONNECTION TO STORM SEWER

MATCHLINE - STA 204+00 'NB'

MATCHLINE - STA 193+00 'NB'

STH 113

TEMPORARY PIPE SEAL (INCIDENTAL TO PIPE BID ITEM)

R3-1
36"X36"

R3-2
36"X36"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

WO1-7
48" X 24"
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

NOTE:
MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGE

MAINTAIN WORK ZONE SIGNS FROM PREVIOUS STAGE

FINAL SURFACE PAVED THIS STAGE WITHIN THE WORK ZONE AREA

INSTALL PERMANENT LIGHTING (AT A MINIMUM POLES 1, 3, 4, 6, 7, 8) FOR USE IN STAGE 3B)

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- REMOVING PAVEMENT MARKINGS
- EXISTING SIGN TO BE COVERED
- XXX — DENOTES MOVING SIGN NUMBER
- SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

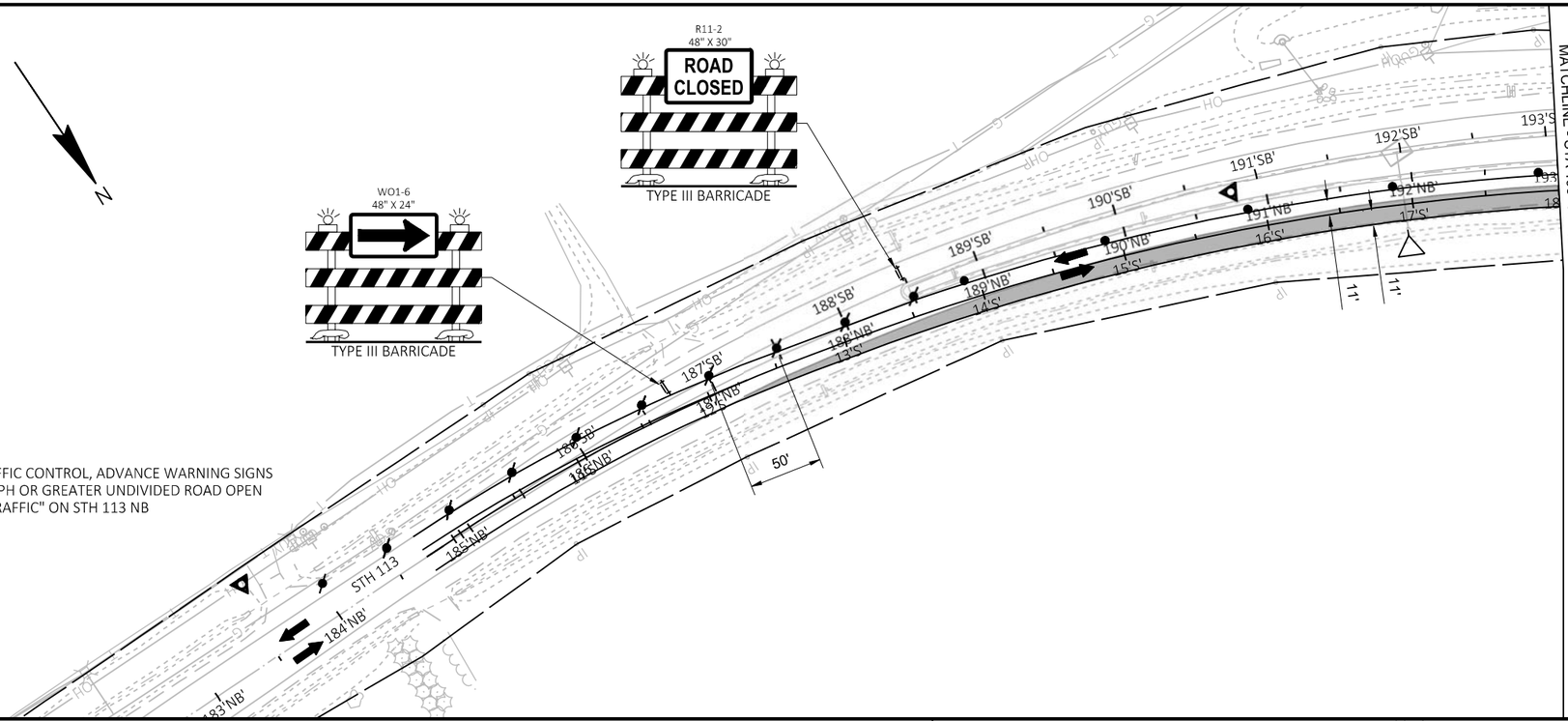
WORK ZONE TEMPORARY MARKING LEGEND

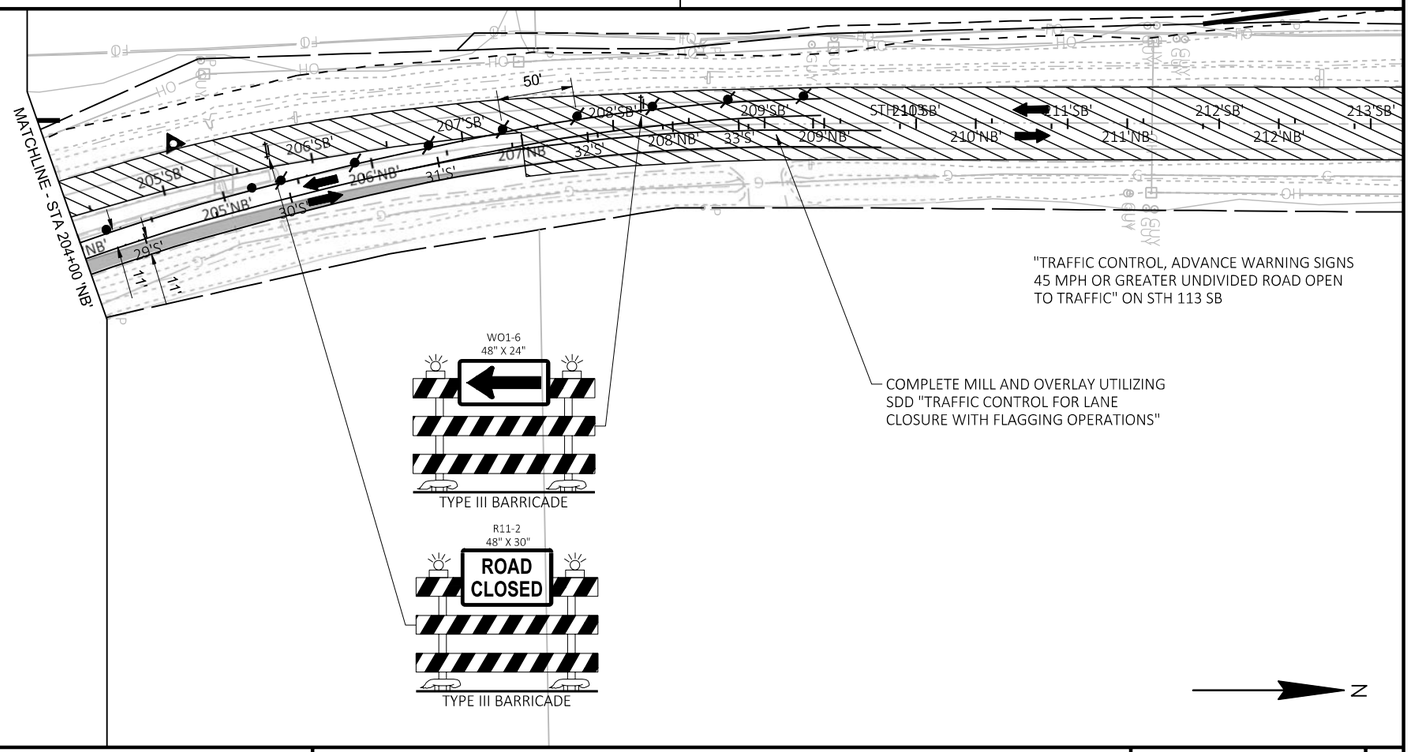
TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3A	SHEET 77	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S3A.DWG
LAYOUT NAME - 026001-s3a
PLOT DATE : 9/30/2022 3:08 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2





NOTE:
MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGE

MAINTAIN WORK ZONE SIGNS FROM PREVIOUS STAGE

FINAL SURFACE PAVED THIS STAGE WITHIN THE WORK ZONE AREA

INSTALL PERMANENT LIGHTING (AT A MINIMUM POLES 1, 3, 4, 6, 7, 8) FOR USE IN STAGE 3B)

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- × × × REMOVING PAVEMENT MARKINGS
- EXISTING SIGN TO BE COVERED
- XXX DENOTES MOVING SIGN NUMBER

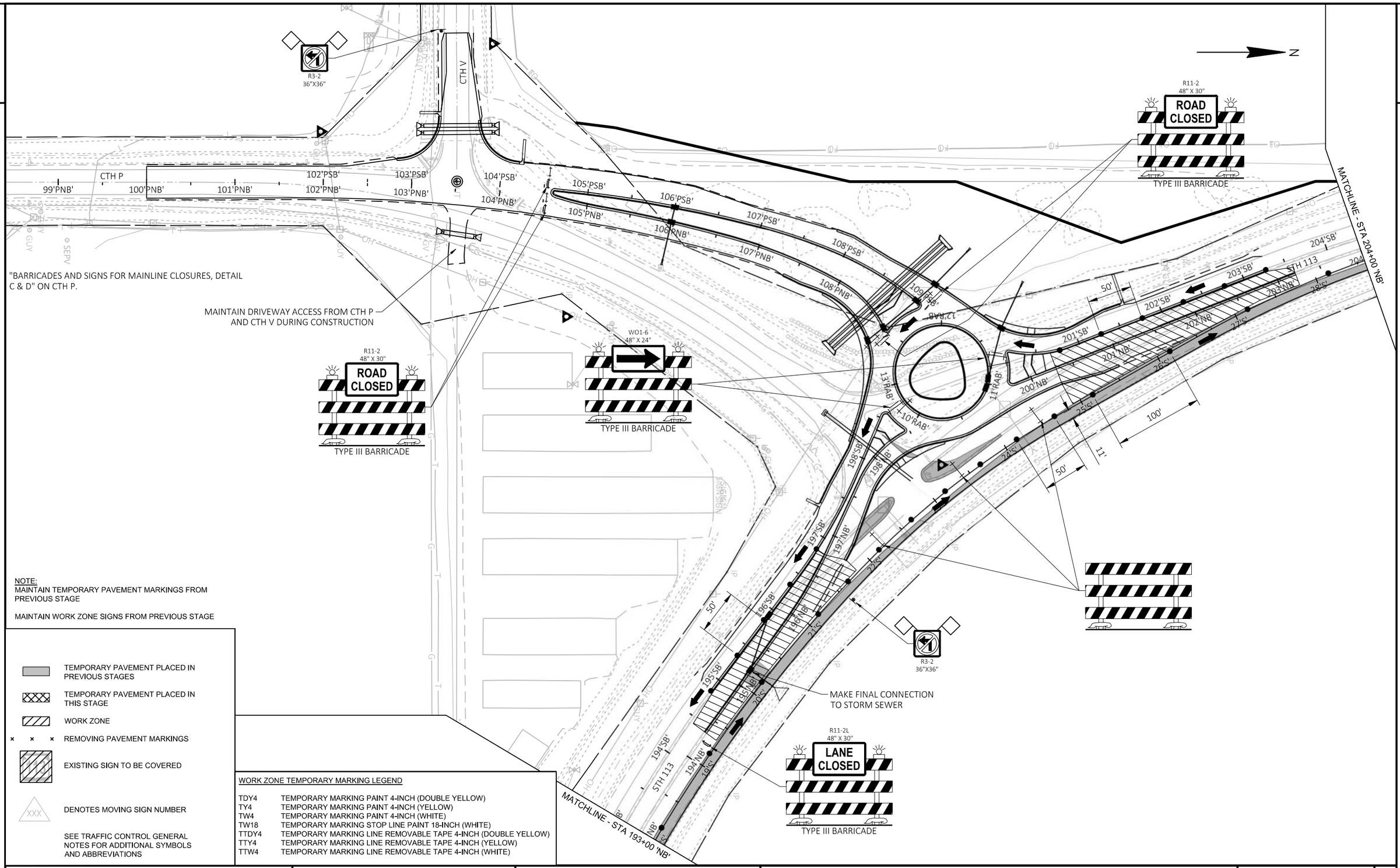
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3A	SHEET 78	E

2



NOTE:
MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGE

MAINTAIN WORK ZONE SIGNS FROM PREVIOUS STAGE

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- REMOVING PAVEMENT MARKINGS
- EXISTING SIGN TO BE COVERED
- XXX — DENOTES MOVING SIGN NUMBER

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

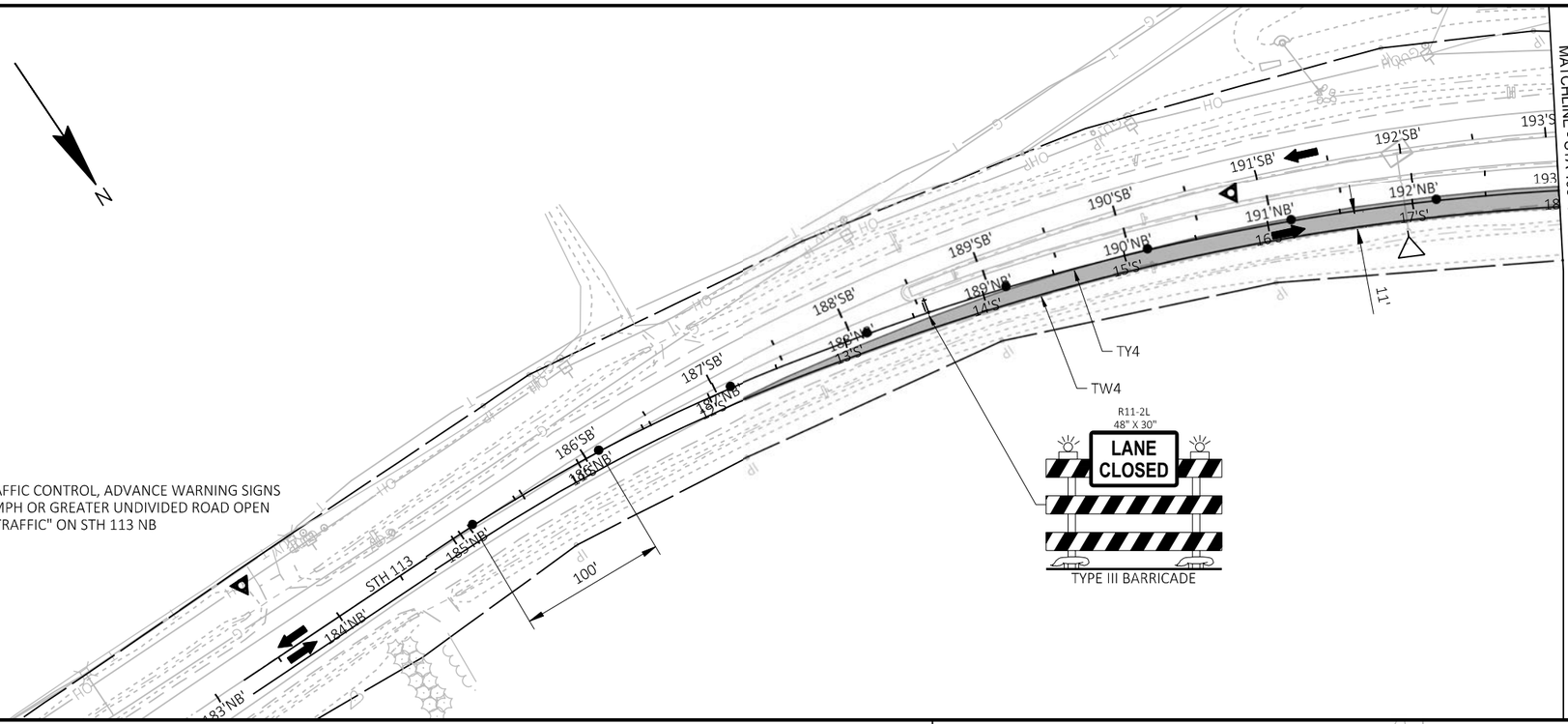
WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

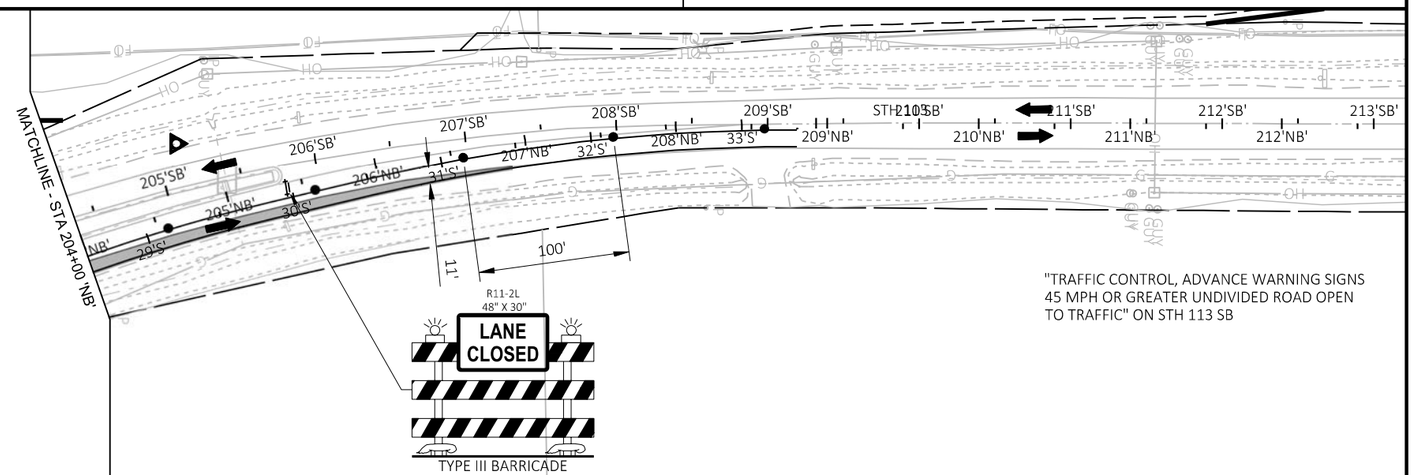
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3B	SHEET 79	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026001-s3b
PLOT DATE : 9/30/2022 3:12 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" ON STH 113 NB



"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" ON STH 113 SB

NOTE:
MAINTAIN TEMPORARY PAVEMENT MARKINGS FROM PREVIOUS STAGE

MAINTAIN WORK ZONE SIGNS FROM PREVIOUS STAGE

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- × × × REMOVING PAVEMENT MARKINGS
- EXISTING SIGN TO BE COVERED
- XXX DENOTES MOVING SIGN NUMBER
- SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

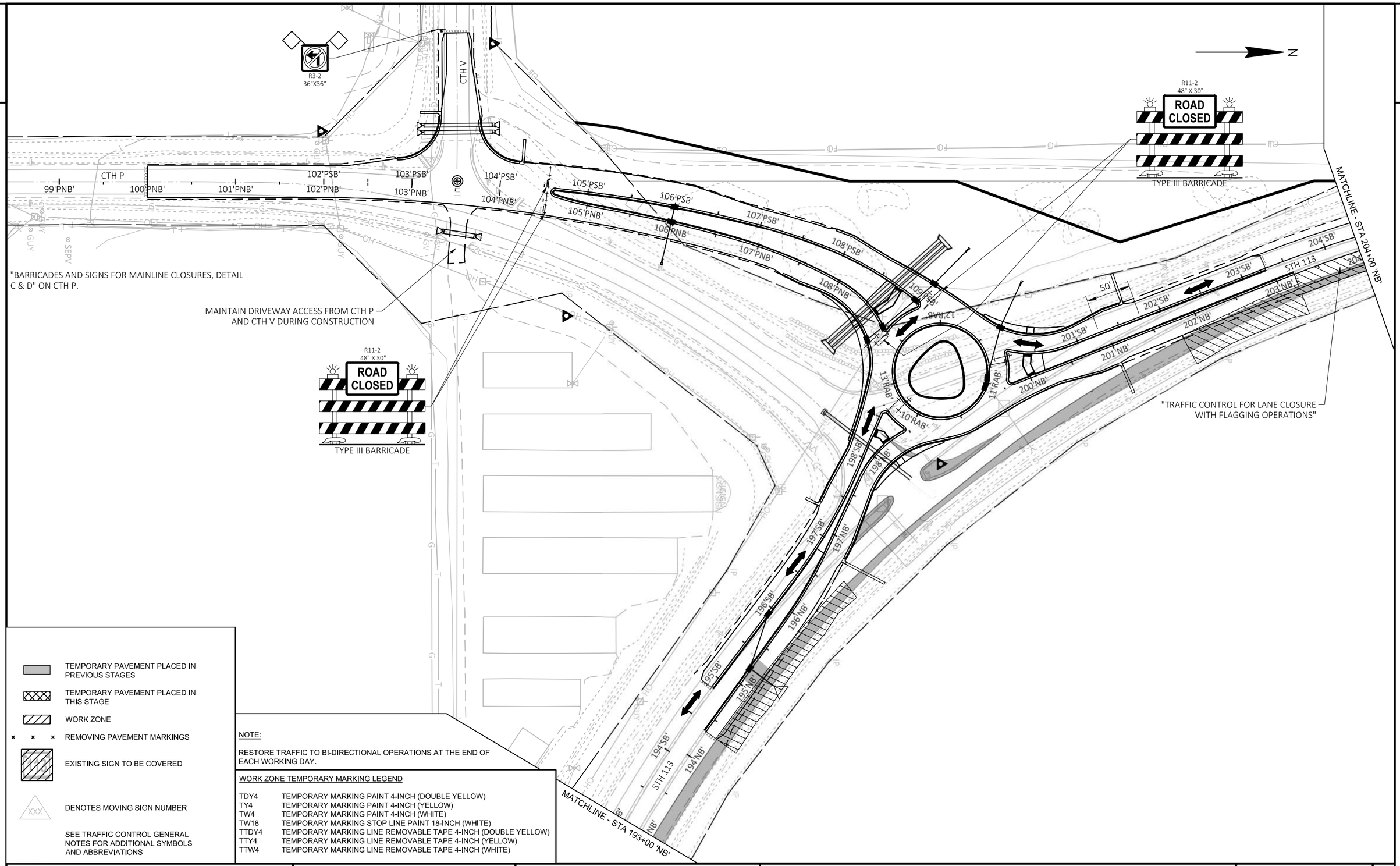
WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3B	SHEET 80	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S3B.DWG
LAYOUT NAME - 026002-s3b
PLOT DATE : 9/14/2022 1:35 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES

TEMPORARY PAVEMENT PLACED IN THIS STAGE

WORK ZONE

× × × REMOVING PAVEMENT MARKINGS

EXISTING SIGN TO BE COVERED

XXX DENOTES MOVING SIGN NUMBER

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

NOTE:

RESTORE TRAFFIC TO BI-DIRECTIONAL OPERATIONS AT THE END OF EACH WORKING DAY.

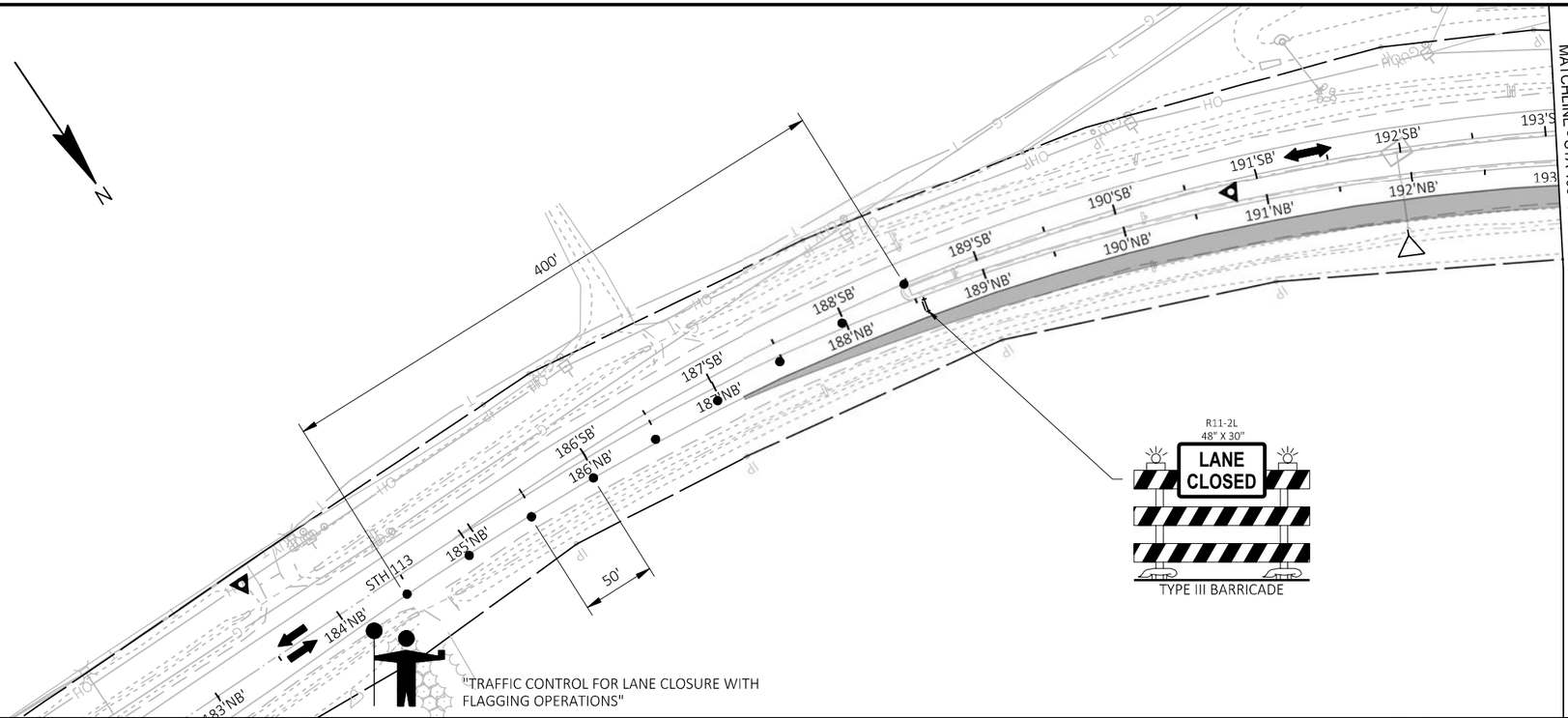
WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3C	SHEET 81	E

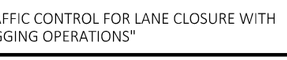
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-53C.DWG
LAYOUT NAME - 026001-s3c
PLOT DATE : 9/30/2022 3:14 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

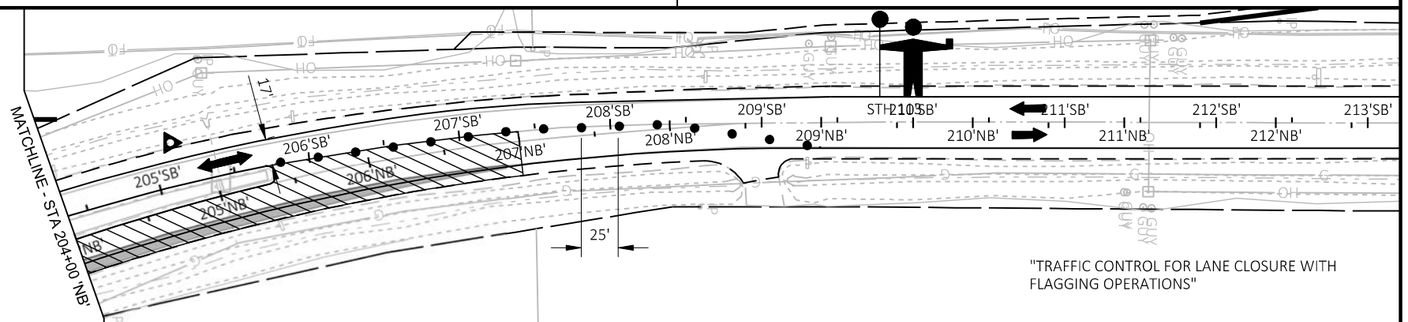


R11-2L
48" X 30"

TYPE III BARRICADE



"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"



"TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

N

TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES

TEMPORARY PAVEMENT PLACED IN THIS STAGE

WORK ZONE

REMOVING PAVEMENT MARKINGS

EXISTING SIGN TO BE COVERED

DENOTES MOVING SIGN NUMBER

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

NOTE:

RESTORE TRAFFIC TO BI-DIRECTIONAL OPERATIONS AT THE END OF EACH WORKING DAY.

WORK ZONE TEMPORARY MARKING LEGEND

TDY4	TEMPORARY MARKING PAINT 4-INCH (DOUBLE YELLOW)
TY4	TEMPORARY MARKING PAINT 4-INCH (YELLOW)
TW4	TEMPORARY MARKING PAINT 4-INCH (WHITE)
TW18	TEMPORARY MARKING STOP LINE PAINT 18-INCH (WHITE)
TTDY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
TTY4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TTW4	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 3C	SHEET 82	E

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS
45 MPH OR GREATER UNDIVIDED ROAD OPEN
TO TRAFFIC" SEE DETAIL "TYPICAL SIDE ROAD
APPROACH WARNING SIGN DETAIL" ON CTH V

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS
45 MPH OR GREATER UNDIVIDED ROAD OPEN
TO TRAFFIC" ON CTH P

MAKE FINAL CONNECTION
TO STORM SEWER

MATCHLINE - STA 204+00 'NB'

MATCHLINE - STA 193+00 'NB'

LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- × × × REMOVING PAVEMENT MARKINGS

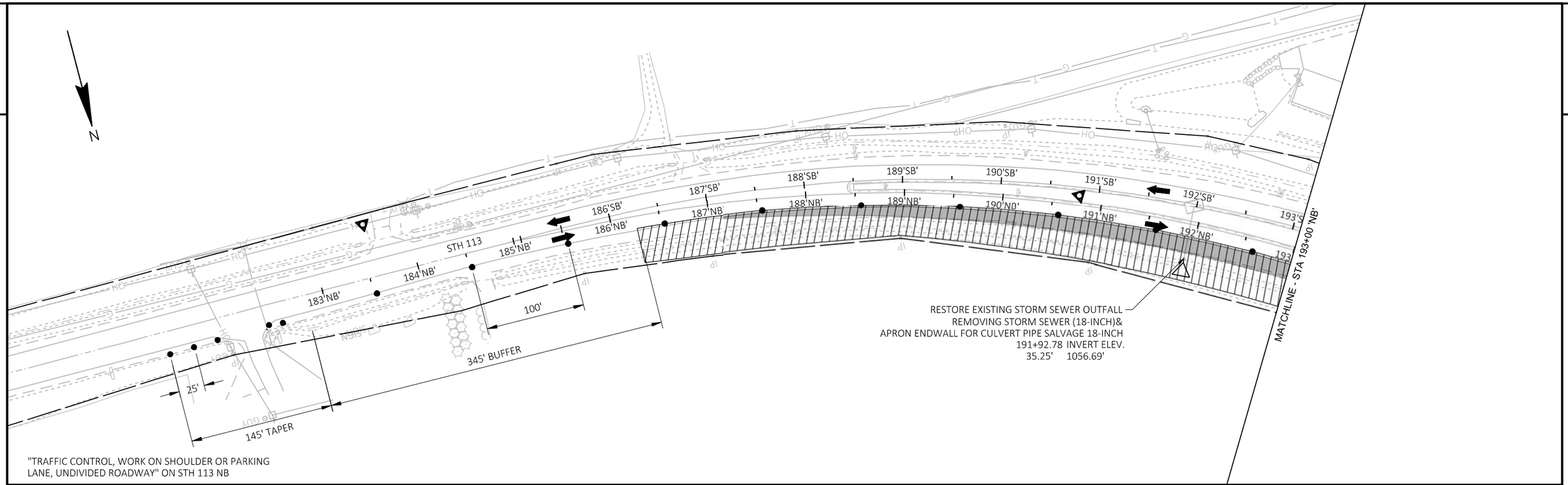
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 4	SHEET 83	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026001-s4

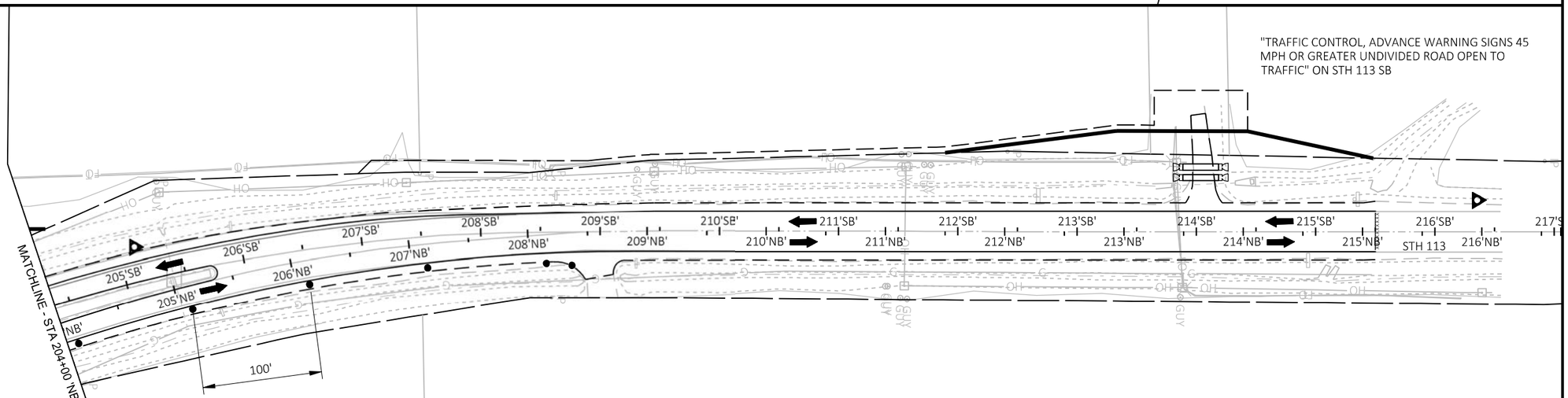
PLOT DATE : 9/30/2022 3:22 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



"TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" ON STH 113 NB

"TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER UNDIVIDED ROAD OPEN TO TRAFFIC" ON STH 113 SB



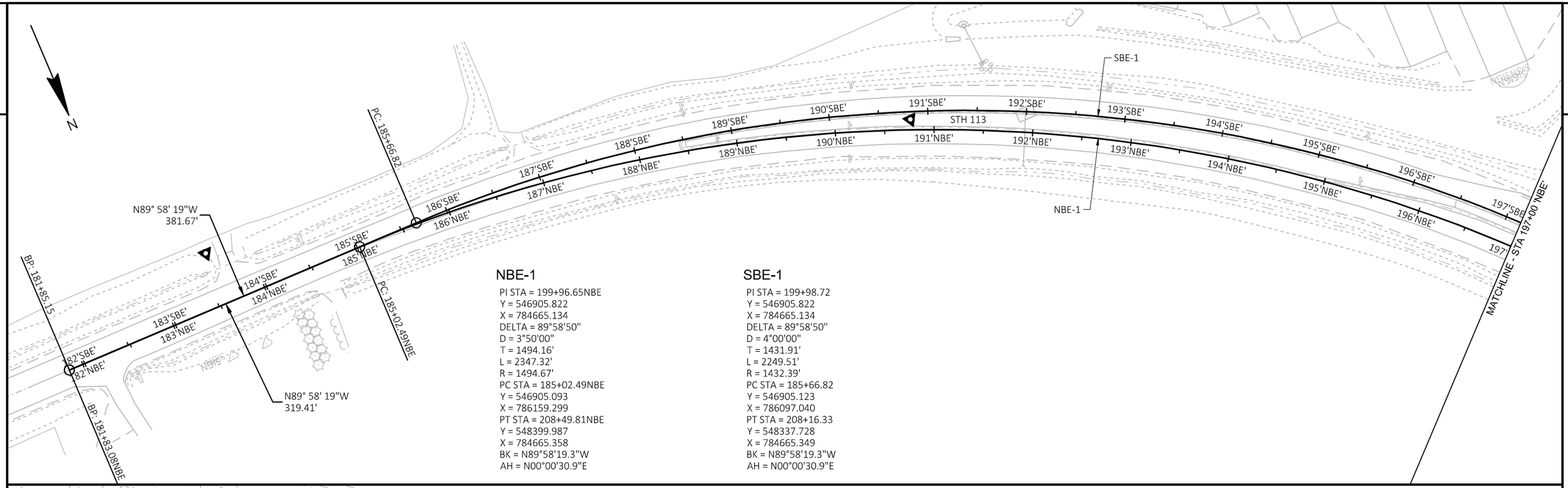
LEGEND

- TEMPORARY PAVEMENT PLACED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT PLACED IN THIS STAGE
- WORK ZONE
- × × × REMOVING PAVEMENT MARKINGS

SEE TRAFFIC CONTROL GENERAL NOTES FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	STAGE CONSTRUCTION - STAGE 4	SHEET 84	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\026001-S4.DWG
LAYOUT NAME - 026002-s4
PLOT DATE : 9/30/2022 3:23 PM
PLOT BY : AMANDA DEAMICO
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

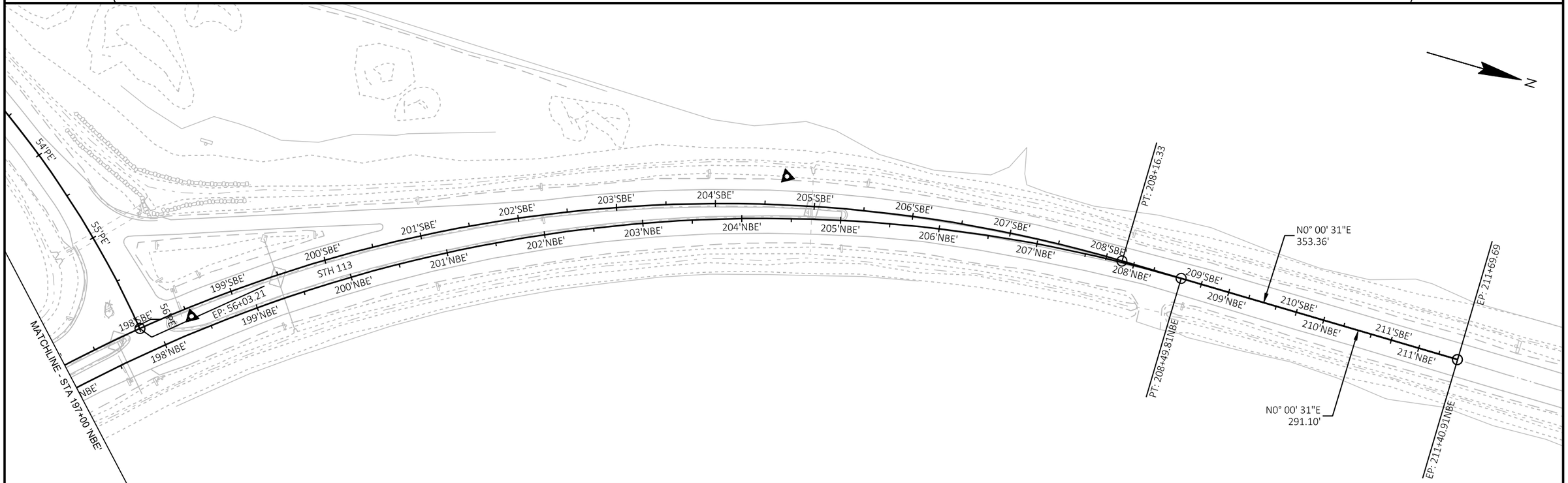


NBE-1

PI STA = 199+96.65NBE
Y = 546905.822
X = 784665.134
DELTA = 89°58'50"
D = 3°50'00"
T = 1494.16'
L = 2347.32'
R = 1494.67'
PC STA = 185+02.49NBE
Y = 546905.093
X = 786159.299
PT STA = 208+49.81NBE
Y = 548399.987
X = 784665.358
BK = N89°58'19.3"W
AH = N00°00'30.9"E

SBE-1

PI STA = 199+98.72
Y = 546905.822
X = 784665.134
DELTA = 89°58'50"
D = 4°00'00"
T = 1431.91'
L = 2249.51'
R = 1432.39'
PC STA = 185+66.82
Y = 546905.123
X = 786097.040
PT STA = 208+16.33
Y = 548337.728
X = 784665.349
BK = N89°58'19.3"W
AH = N00°00'30.9"E



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 85	E

2

N

CTH V

BP: 45+65.48

PC: 47+46.14

PE-1

46'PE' N0° 00' 29"W 47'PE'
180.66'

48'PE' 49'PE' 50'PE' 51'PE' 52'PE' 53'PE' 54'PE' 55'PE'

CTH P

EP: 56+03.21

56'PE'

201'SBE' 202'SBE' 203'SBE' 204'SBE'

201'NBE' 202'NBE' 203'NBE'

STH 113

199'SBE' 200'SBE'

199'NBE' 200'NBE'

198'SBE'

198'NBE'

197'SBE'

197'NBE'

196'SBE'

196'NBE'

195'SBE'

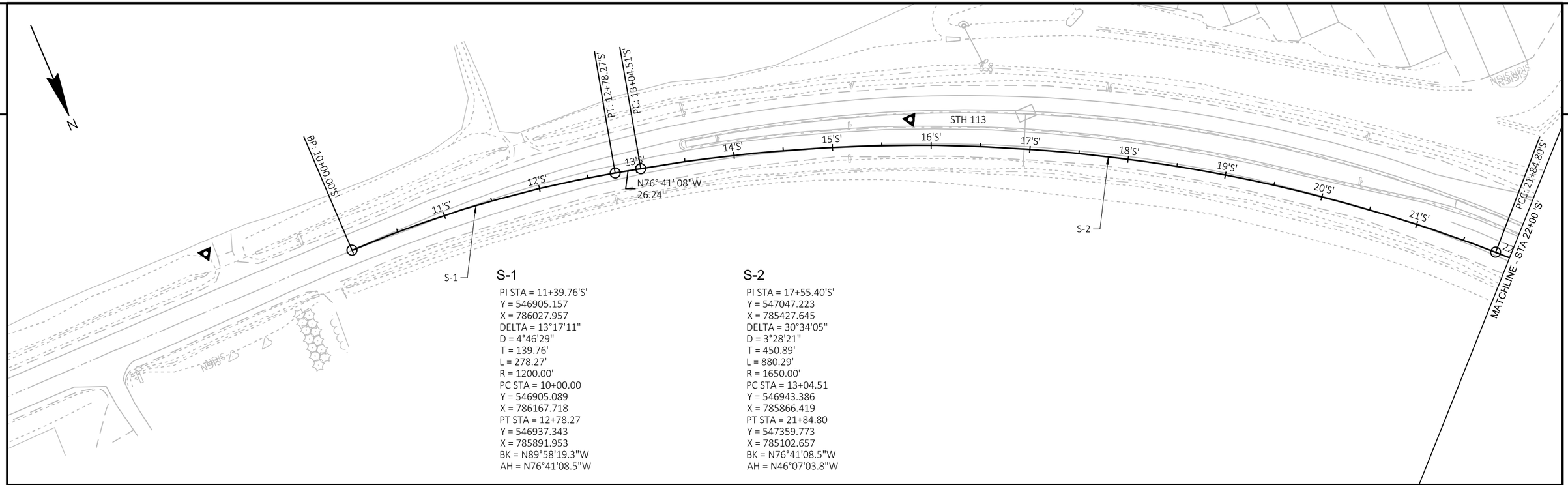
195'NBE'

STH 113

PE-1

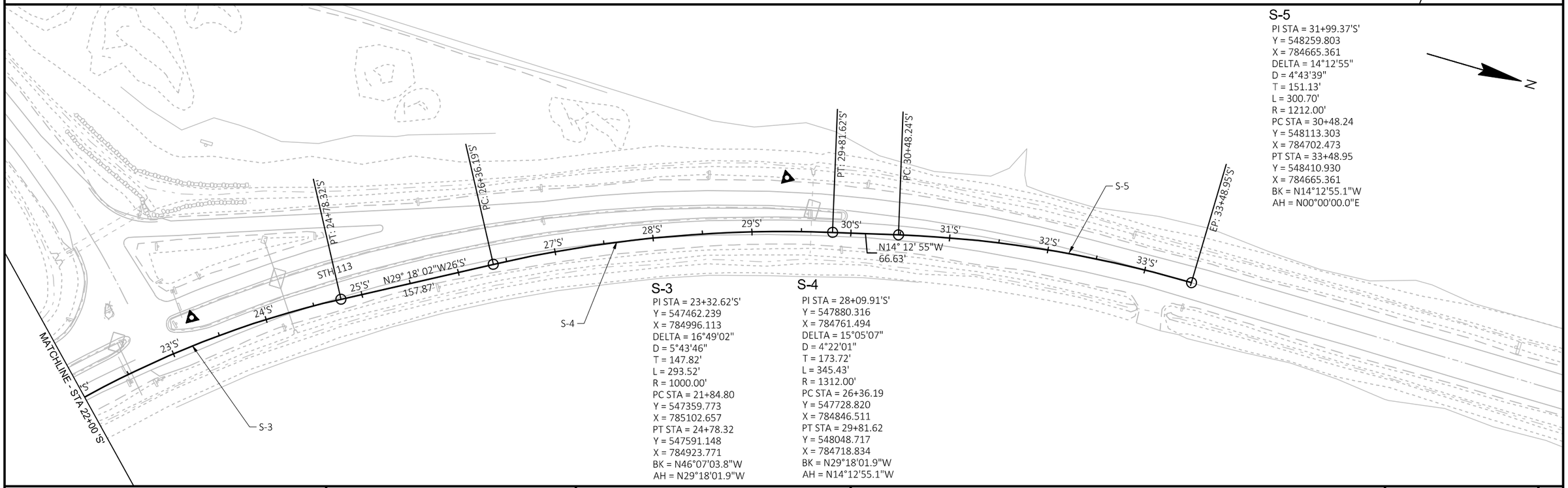
PI STA = 52+03.21
Y = 547106.640
X = 784664.213
DELTA = 49°16'53"
D = 5°45'00"
T = 457.07'
L = 857.07'
R = 996.45'
PC STA = 47+46.14
Y = 546649.573
X = 784664.278
PT STA = 56+03.21
Y = 547404.854
X = 785010.592
BK = N00°00'29.3"W
AH = N49°16'23.8"E

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 86	E



S-1
PI STA = 11+39.76'S'
Y = 546905.157
X = 786027.957
DELTA = 13°17'11"
D = 4°46'29"
T = 139.76'
L = 278.27'
R = 1200.00'
PC STA = 10+00.00
Y = 546905.089
X = 786167.718
PT STA = 12+78.27
Y = 546937.343
X = 785891.953
BK = N89°58'19.3"W
AH = N76°41'08.5"W

S-2
PI STA = 17+55.40'S'
Y = 547047.223
X = 785427.645
DELTA = 30°34'05"
D = 3°28'21"
T = 450.89'
L = 880.29'
R = 1650.00'
PC STA = 13+04.51
Y = 546943.386
X = 785866.419
PT STA = 21+84.80
Y = 547359.773
X = 785102.657
BK = N76°41'08.5"W
AH = N46°07'03.8"W



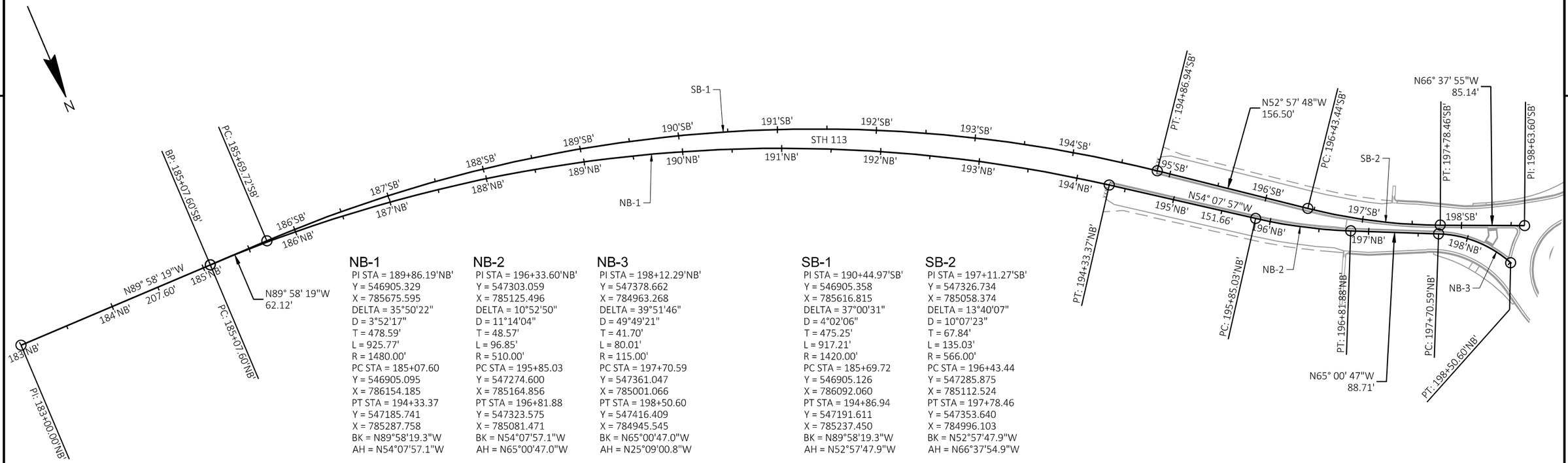
S-3
PI STA = 23+32.62'S'
Y = 547462.239
X = 784996.113
DELTA = 16°49'02"
D = 5°43'46"
T = 147.82'
L = 293.52'
R = 1000.00'
PC STA = 21+84.80
Y = 547359.773
X = 785102.657
PT STA = 24+78.32
Y = 547591.148
X = 784923.771
BK = N46°07'03.8"W
AH = N29°18'01.9"W

S-4
PI STA = 28+09.91'S'
Y = 547880.316
X = 784761.494
DELTA = 15°05'07"
D = 4°22'01"
T = 173.72'
L = 345.43'
R = 1312.00'
PC STA = 26+36.19
Y = 547728.820
X = 784846.511
PT STA = 29+81.62
Y = 548048.717
X = 784718.834
BK = N29°18'01.9"W
AH = N14°12'55.1"W

S-5
PI STA = 31+99.37'S'
Y = 548259.803
X = 784665.361
DELTA = 14°12'55"
D = 4°43'39"
T = 151.13'
L = 300.70'
R = 1212.00'
PC STA = 30+48.24
Y = 548113.303
X = 784702.473
PT STA = 33+48.95
Y = 548410.930
X = 784665.361
BK = N14°12'55.1"W
AH = N00°00'00.0"E

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 87	E

2



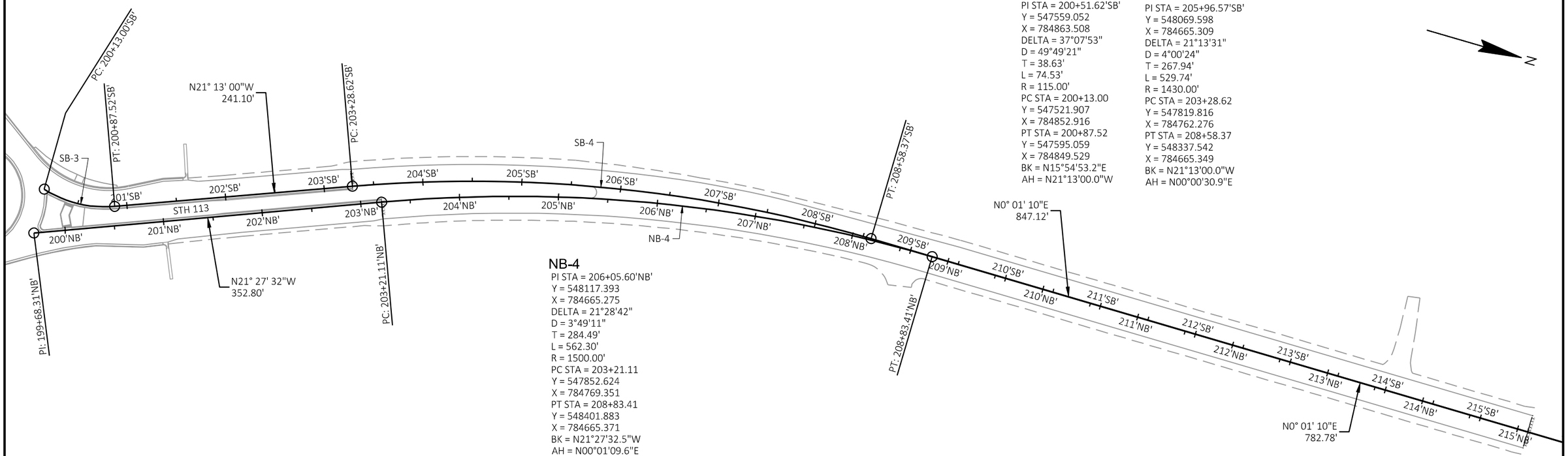
NB-1
PI STA = 189+86.19'NB'
Y = 546905.329
X = 785675.595
DELTA = 35°50'22"
D = 3°52'17"
T = 478.59'
L = 925.77'
R = 1480.00'
PC STA = 185+07.60
Y = 546905.095
X = 786154.185
PT STA = 194+33.37
Y = 547185.741
X = 785287.758
BK = N89°58'19.3"W
AH = N54°07'57.1"W

NB-2
PI STA = 196+33.60'NB'
Y = 547303.059
X = 785125.496
DELTA = 10°52'50"
D = 11°14'04"
T = 48.57'
L = 96.85'
R = 510.00'
PC STA = 195+85.03
Y = 547274.600
X = 785164.856
PT STA = 196+81.88
Y = 547323.575
X = 785081.471
BK = N54°07'57.1"W
AH = N65°00'47.0"W

NB-3
PI STA = 198+12.29'NB'
Y = 547378.662
X = 784963.268
DELTA = 39°51'46"
D = 49°49'21"
T = 41.70'
L = 80.01'
R = 115.00'
PC STA = 197+70.59
Y = 547361.047
X = 785001.066
PT STA = 198+50.60
Y = 547416.409
X = 784945.545
BK = N65°00'47.0"W
AH = N25°09'00.8"W

SB-1
PI STA = 190+44.97'SB'
Y = 546905.358
X = 785616.815
DELTA = 37°00'31"
D = 4°02'06"
T = 475.25'
L = 917.21'
R = 1420.00'
PC STA = 185+69.72
Y = 546905.126
X = 786092.060
PT STA = 194+86.94
Y = 547191.611
X = 785237.450
BK = N89°58'19.3"W
AH = N52°57'47.9"W

SB-2
PI STA = 197+11.27'SB'
Y = 547326.734
X = 785058.374
DELTA = 13°40'07"
D = 10°07'23"
T = 67.84'
L = 135.03'
R = 566.00'
PC STA = 196+43.44
Y = 547285.875
X = 785112.524
PT STA = 197+78.46
Y = 547353.640
X = 784996.103
BK = N52°57'47.9"W
AH = N66°37'54.9"W



SB-3
PI STA = 200+51.62'SB'
Y = 547559.052
X = 784863.508
DELTA = 37°07'53"
D = 49°49'21"
T = 38.63'
L = 74.53'
R = 115.00'
PC STA = 200+13.00
Y = 547521.907
X = 784852.916
PT STA = 200+87.52
Y = 547595.059
X = 784849.529
BK = N15°54'53.2"E
AH = N21°13'00.0"W

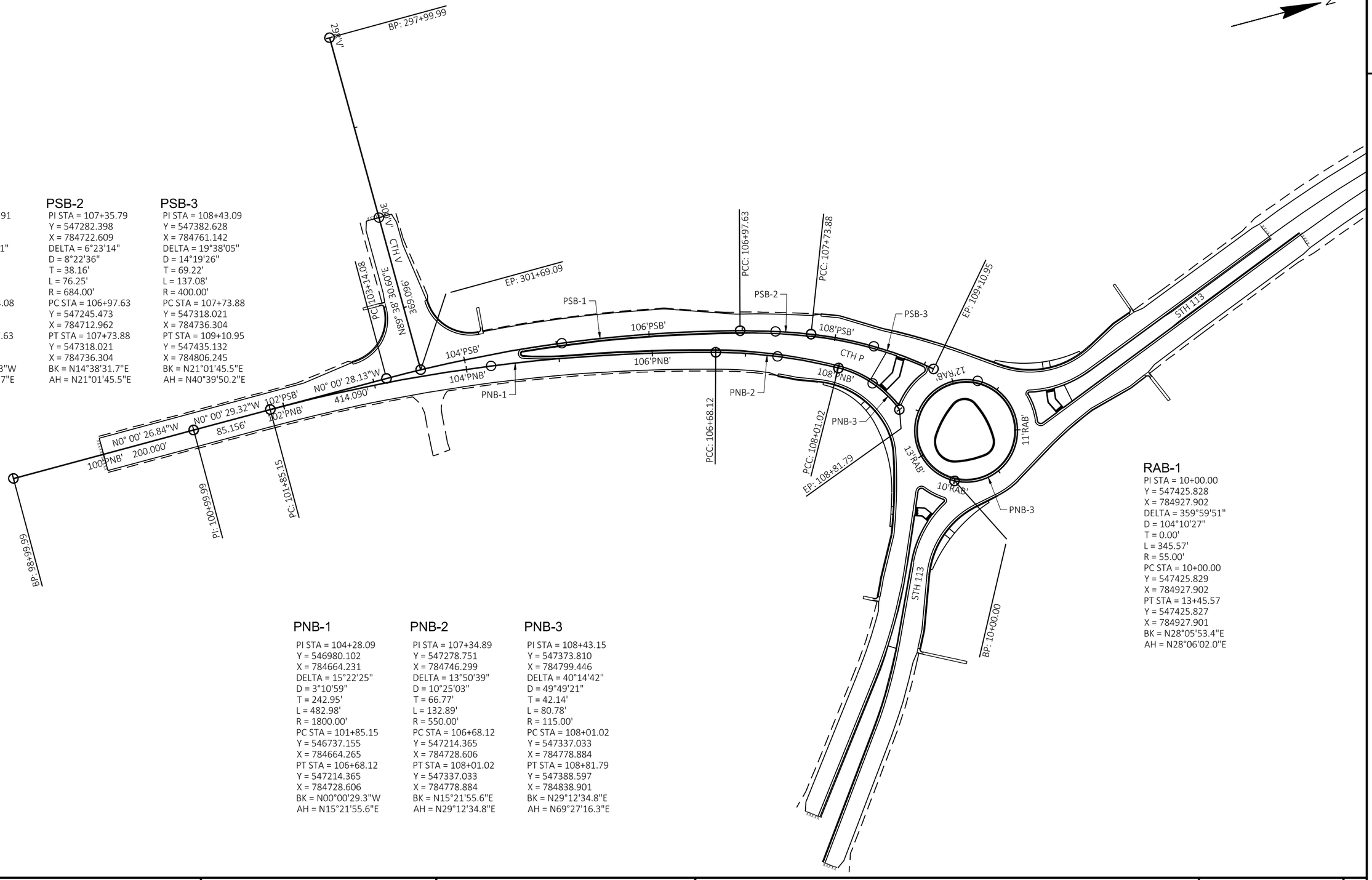
SB-4
PI STA = 205+96.57'SB'
Y = 548069.598
X = 784665.309
DELTA = 21°13'31"
D = 4°00'24"
T = 267.94'
L = 529.74'
R = 1430.00'
PC STA = 203+28.62
Y = 547819.816
X = 784762.276
PT STA = 208+58.37
Y = 548337.542
X = 784665.349
BK = N21°13'00.0"W
AH = N00°00'30.9"E

NB-4
PI STA = 206+05.60'NB'
Y = 548117.393
X = 784665.275
DELTA = 21°28'42"
D = 3°49'11"
T = 284.49'
L = 562.30'
R = 1500.00'
PC STA = 203+21.11
Y = 547852.624
X = 784769.351
PT STA = 208+83.41
Y = 548401.883
X = 784665.371
BK = N21°27'32.5"W
AH = N00°01'09.6"E

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 88	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\027204-AD.DWG
LAYOUT NAME - 027204-ad
PLOT DATE : 9/30/2022 3:19 PM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PSB-1
PI STA = 105+06.91
Y = 547058.912
X = 784664.219
DELTA = 14°39'01"
D = 3°49'11"
T = 192.82'
L = 383.54'
R = 1500.00'
PC STA = 103+14.08
Y = 546866.089
X = 784664.247
PT STA = 106+97.63
Y = 547245.473
X = 784712.962
BK = N00°00'29.3"W
AH = N14°38'31.7"E

PSB-2
PI STA = 107+35.79
Y = 547282.398
X = 784722.609
DELTA = 6°23'14"
D = 8°22'36"
T = 38.16'
L = 76.25'
R = 684.00'
PC STA = 106+97.63
Y = 547245.473
X = 784712.962
PT STA = 107+73.88
Y = 547318.021
X = 784736.304
BK = N14°38'31.7"E
AH = N21°01'45.5"E

PSB-3
PI STA = 108+43.09
Y = 547382.628
X = 784761.142
DELTA = 19°38'05"
D = 14°19'26"
T = 69.22'
L = 137.08'
R = 400.00'
PC STA = 107+73.88
Y = 547318.021
X = 784736.304
PT STA = 109+10.95
Y = 547435.132
X = 784806.245
BK = N21°01'45.5"E
AH = N40°39'50.2"E

RAB-1
PI STA = 10+00.00
Y = 547425.828
X = 784927.902
DELTA = 359°59'51"
D = 104°10'27"
T = 0.00'
L = 345.57'
R = 55.00'
PC STA = 10+00.00
Y = 547425.829
X = 784927.902
PT STA = 13+45.57
Y = 547425.827
X = 784927.901
BK = N28°05'53.4"E
AH = N28°06'02.0"E

PNB-1
PI STA = 104+28.09
Y = 546980.102
X = 784664.231
DELTA = 15°22'25"
D = 3°10'59"
T = 242.95'
L = 482.98'
R = 1800.00'
PC STA = 101+85.15
Y = 546737.155
X = 784664.265
PT STA = 106+68.12
Y = 547214.365
X = 784728.606
BK = N00°00'29.3"W
AH = N15°21'55.6"E

PNB-2
PI STA = 107+34.89
Y = 547278.751
X = 784746.299
DELTA = 13°50'39"
D = 10°25'03"
T = 66.77'
L = 132.89'
R = 550.00'
PC STA = 106+68.12
Y = 547214.365
X = 784728.606
PT STA = 108+01.02
Y = 547337.033
X = 784778.884
BK = N15°21'55.6"E
AH = N29°12'34.8"E

PNB-3
PI STA = 108+43.15
Y = 547373.810
X = 784799.446
DELTA = 40°14'42"
D = 49°49'21"
T = 42.14'
L = 80.78'
R = 115.00'
PC STA = 108+01.02
Y = 547337.033
X = 784778.884
PT STA = 108+81.79
Y = 547388.597
X = 784838.901
BK = N29°12'34.8"E
AH = N69°27'16.3"E

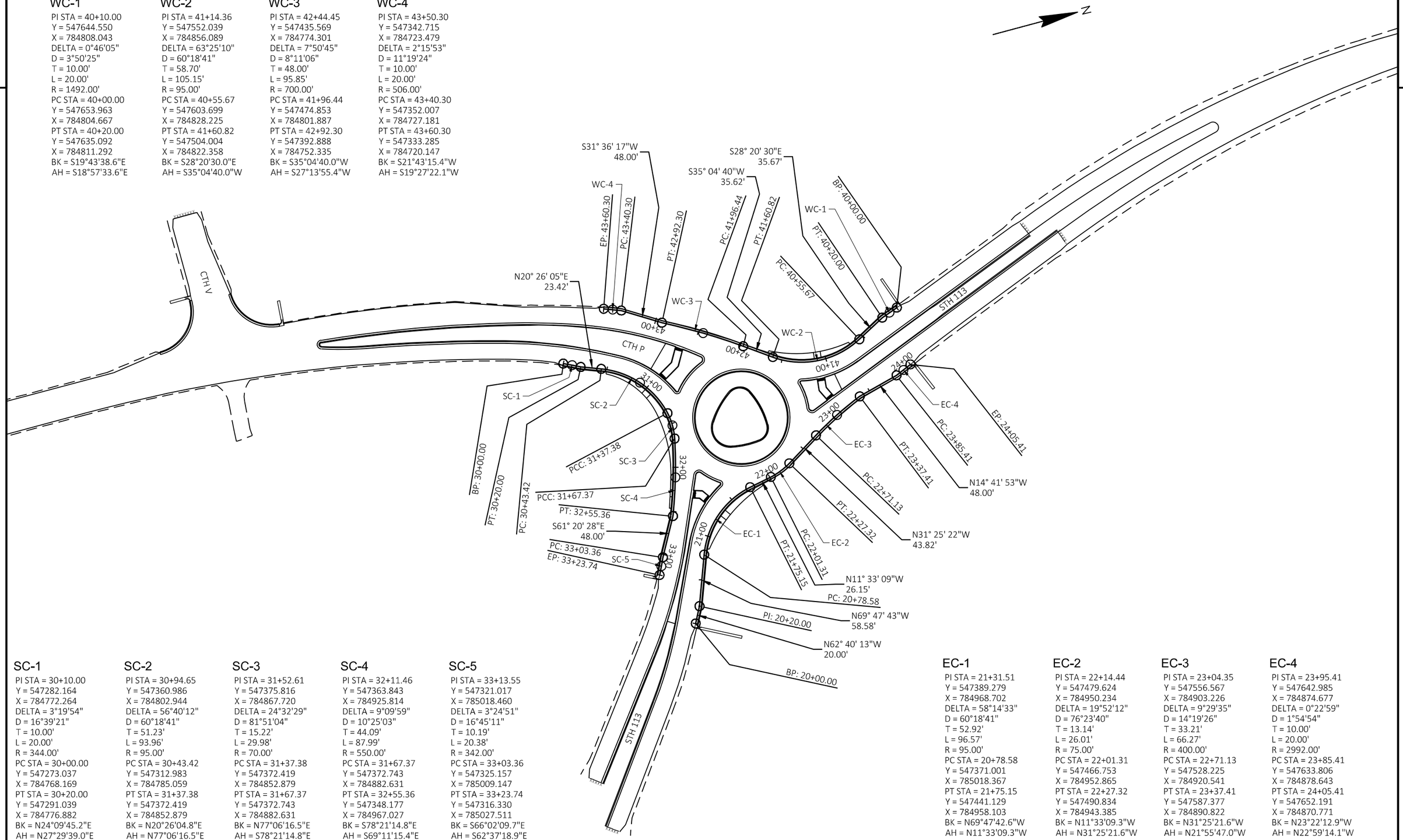
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 89	E

WC-1
PI STA = 40+10.00
Y = 547644.550
X = 784808.043
DELTA = 0°46'05"
D = 3°50'25"
T = 10.00'
L = 20.00'
R = 1492.00'
PC STA = 40+00.00
Y = 547653.963
X = 784804.667
PT STA = 40+20.00
Y = 547635.092
X = 784811.292
BK = S19°43'38.6"E
AH = S18°57'33.6"E

WC-2
PI STA = 41+14.36
Y = 547552.039
X = 784856.089
DELTA = 63°25'10"
D = 60°18'41"
T = 58.70'
L = 105.15'
R = 95.00'
PC STA = 40+55.67
Y = 547603.699
X = 784828.225
PT STA = 41+60.82
Y = 547504.004
X = 784822.358
BK = S28°20'30.0"E
AH = S35°04'40.0"W

WC-3
PI STA = 42+44.45
Y = 547435.569
X = 784774.301
DELTA = 7°50'45"
D = 8°11'06"
T = 48.00'
L = 95.85'
R = 700.00'
PC STA = 41+96.44
Y = 547474.853
X = 784801.887
PT STA = 42+92.30
Y = 547392.888
X = 784752.335
BK = S35°04'40.0"W
AH = S27°13'55.4"W

WC-4
PI STA = 43+50.30
Y = 547342.715
X = 784723.479
DELTA = 2°15'53"
D = 11°19'24"
T = 10.00'
L = 20.00'
R = 506.00'
PC STA = 43+40.30
Y = 547352.007
X = 784727.181
PT STA = 43+60.30
Y = 547333.285
X = 784720.147
BK = S21°43'15.4"W
AH = S19°27'22.1"W



SC-1
PI STA = 30+10.00
Y = 547282.164
X = 784772.264
DELTA = 3°19'54"
D = 16°39'21"
T = 10.00'
L = 20.00'
R = 344.00'
PC STA = 30+00.00
Y = 547273.037
X = 784768.169
PT STA = 30+20.00
Y = 547291.039
X = 784776.882
BK = N24°09'45.2"E
AH = N27°29'39.0"E

SC-2
PI STA = 30+94.65
Y = 547360.986
X = 784802.944
DELTA = 56°40'12"
D = 60°18'41"
T = 51.23'
L = 93.96'
R = 95.00'
PC STA = 30+43.42
Y = 547312.983
X = 784785.059
PT STA = 31+37.38
Y = 547372.419
X = 784852.879
BK = N20°26'04.8"E
AH = N77°06'16.5"E

SC-3
PI STA = 31+52.61
Y = 547375.816
X = 784867.720
DELTA = 24°32'29"
D = 81°51'04"
T = 15.22'
L = 29.98'
R = 70.00'
PC STA = 31+37.38
Y = 547372.419
X = 784852.879
PT STA = 31+67.37
Y = 547372.743
X = 784882.631
BK = N77°06'16.5"E
AH = S78°21'14.8"E

SC-4
PI STA = 32+11.46
Y = 547363.843
X = 784925.814
DELTA = 9°09'59"
D = 10°25'03"
T = 44.09'
L = 87.99'
R = 550.00'
PC STA = 31+67.37
Y = 547372.743
X = 784882.631
PT STA = 32+55.36
Y = 547348.177
X = 784967.027
BK = S78°21'14.8"E
AH = S69°11'15.4"E

SC-5
PI STA = 33+13.55
Y = 547321.017
X = 785018.460
DELTA = 3°24'51"
D = 16°45'11"
T = 10.19'
L = 20.38'
R = 342.00'
PC STA = 33+03.36
Y = 547325.157
X = 785009.147
PT STA = 33+23.74
Y = 547316.330
X = 785027.511
BK = S66°02'09.7"E
AH = S62°37'18.9"E

EC-1
PI STA = 21+31.51
Y = 547389.279
X = 784968.702
DELTA = 58°14'33"
D = 60°18'41"
T = 52.92'
L = 96.57'
R = 95.00'
PC STA = 20+78.58
Y = 547371.001
X = 785018.367
PT STA = 21+75.15
Y = 547441.129
X = 784958.103
BK = N69°47'42.6"W
AH = N11°33'09.3"W

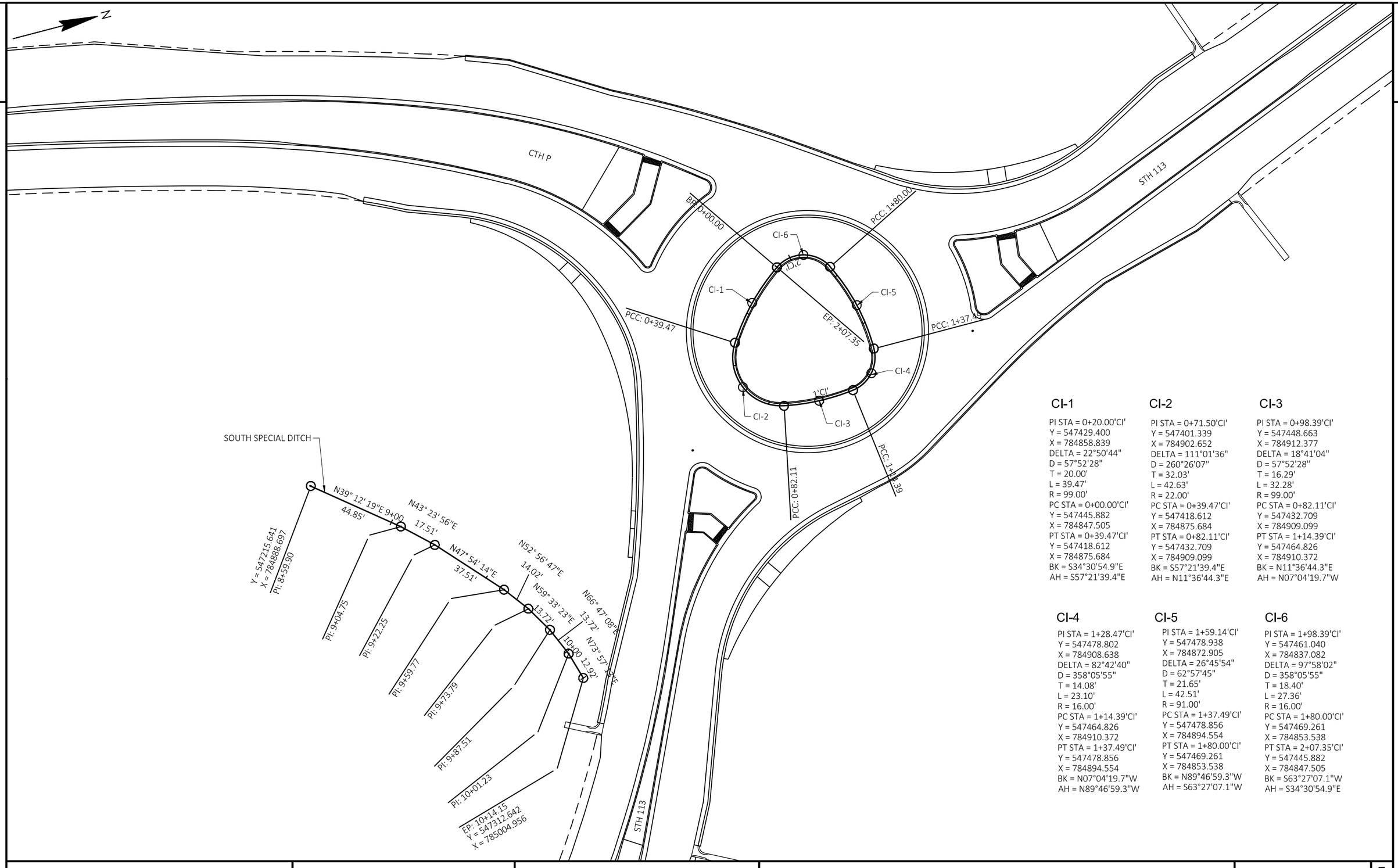
EC-2
PI STA = 22+14.44
Y = 547479.624
X = 784950.234
DELTA = 19°52'12"
D = 76°23'40"
T = 13.14'
L = 26.01'
R = 75.00'
PC STA = 22+01.31
Y = 547466.753
X = 784952.865
PT STA = 22+27.32
Y = 547490.834
X = 784943.385
BK = N11°33'09.3"W
AH = N31°25'21.6"W

EC-3
PI STA = 23+04.35
Y = 547556.567
X = 784903.226
DELTA = 9°29'35"
D = 14°19'26"
T = 33.21'
L = 66.27'
R = 400.00'
PC STA = 22+71.13
Y = 547528.225
X = 784920.541
PT STA = 23+37.41
Y = 547587.377
X = 784890.822
BK = N31°25'21.6"W
AH = N21°55'47.0"W

EC-4
PI STA = 23+95.41
Y = 547642.985
X = 784874.677
DELTA = 0°22'59"
D = 1°54'54"
T = 10.00'
L = 20.00'
R = 2992.00'
PC STA = 23+85.41
Y = 547633.806
X = 784878.643
PT STA = 24+05.41
Y = 547652.191
X = 784870.771
BK = N23°22'12.9"W
AH = N22°59'14.1"W

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 90	E

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CI-1

PI STA = 0+20.00'CI'
Y = 547429.400
X = 784858.839
DELTA = 22°50'44"
D = 57°52'28"
T = 20.00'
L = 39.47'
R = 99.00'
PC STA = 0+00.00'CI'
Y = 547445.882
X = 784847.505
PT STA = 0+39.47'CI'
Y = 547418.612
X = 784875.684
BK = S34°30'54.9"E
AH = S57°21'39.4"E

CI-2

PI STA = 0+71.50'CI'
Y = 547401.339
X = 784902.652
DELTA = 111°01'36"
D = 260°26'07"
T = 32.03'
L = 42.63'
R = 22.00'
PC STA = 0+39.47'CI'
Y = 547418.612
X = 784875.684
PT STA = 0+82.11'CI'
Y = 547432.709
X = 784909.099
BK = S57°21'39.4"E
AH = N11°36'44.3"E

CI-3

PI STA = 0+98.39'CI'
Y = 547448.663
X = 784912.377
DELTA = 18°41'04"
D = 57°52'28"
T = 16.29'
L = 32.28'
R = 99.00'
PC STA = 0+82.11'CI'
Y = 547432.709
X = 784909.099
PT STA = 1+14.39'CI'
Y = 547464.826
X = 784910.372
BK = N11°36'44.3"E
AH = N07°04'19.7"W

CI-4

PI STA = 1+28.47'CI'
Y = 547478.802
X = 784908.638
DELTA = 82°42'40"
D = 358°05'55"
T = 14.08'
L = 23.10'
R = 16.00'
PC STA = 1+14.39'CI'
Y = 547464.826
X = 784910.372
PT STA = 1+37.49'CI'
Y = 547478.856
X = 784894.554
BK = N07°04'19.7"W
AH = N89°46'59.3"W

CI-5

PI STA = 1+59.14'CI'
Y = 547478.938
X = 784872.905
DELTA = 26°45'54"
D = 62°57'45"
T = 21.65'
L = 42.51'
R = 91.00'
PC STA = 1+37.49'CI'
Y = 547478.856
X = 784894.554
PT STA = 1+80.00'CI'
Y = 547469.261
X = 784853.538
BK = N89°46'59.3"W
AH = S63°27'07.1"W

CI-6

PI STA = 1+98.39'CI'
Y = 547461.040
X = 784837.082
DELTA = 97°58'02"
D = 358°05'55"
T = 18.40'
L = 27.36'
R = 16.00'
PC STA = 1+80.00'CI'
Y = 547469.261
X = 784853.538
PT STA = 2+07.35'CI'
Y = 547445.882
X = 784847.505
BK = S63°27'07.1"W
AH = S34°30'54.9"E

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	ALIGNMENT DETAILS	SHEET 91	E

2

NB STH 113 SUPERELEVATION TABLE					
TRANSITION EVENT POINTS		RATE			
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER	RIGHT LANE
Begin Alignment	181+83.08'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Shoulder	183+47.60'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Crown	183+47.60'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	184+00.93'	0.00%	0.00%	-4.00%	-2.00%
Reverse Crown	184+54.26'	2.00%	2.00%	-4.00%	-2.00%
Low Shoulder Match	185+07.60'	4.00%	4.00%	-4.00%	-4.00%
Begin Full Super	185+60.93'	6.00%	6.00%	-6.00%	-6.00%
End Full Super	194+33.37'	6.00%	6.00%	-6.00%	-6.00%
Manual station	195+08.02'	3.36%	3.36%	-4.00%	-4.00%
Level Crown	195+85.03'	0.00%	0.00%	-4.00%	-2.00%
Reverse Crown	195+85.03'	2.00%	2.00%	-4.00%	-2.00%
Begin Normal Crown	196+92.03	-2.00%	-2.00%	-4.00%	-2.00%
Begin Normal Shoulder	197+67.03'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Shoulder	201+08.12'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Crown	201+61.11'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	201+71.12'	0.00%	0.00%	-4.00%	-2.00%
Reverse Crown	201+71.12'	2.00%	2.00%	-4.00%	-2.00%
Manual station	202+46.11'	3.00%	3.00%	-4.00%	-4.00%
Low Shoulder Match	203+21.11'	4.00%	4.00%	-6.00%	-6.00%
Begin Full Super	203+21.12'	6.00%	6.00%	-6.00%	-6.00%
End Full Super	208+30.09'	6.00%	6.00%	-6.00%	-6.00%
Low Shoulder Match	208+83.42'	4.00%	4.00%	-4.00%	-4.00%
Reverse Crown	209+36.75'	2.00%	2.00%	-4.00%	-2.00%
Level Crown	209+90.09'	0.00%	0.00%	-4.00%	-2.00%
Begin Normal Crown	210+43.42'	-2.00%	-2.00%	-4.00%	-2.00%
Begin Normal Shoulder	210+43.42'	-4.00%	-2.00%	-4.00%	-2.00%
End Alignment	216+66.19'	-4.00%	-2.00%	-4.00%	-2.00%

SB STH 113 SUPERELEVATION TABLE					
TRANSITION EVENT POINTS		RATE			
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER	RIGHT LANE
Begin Alignment	185+07.60'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Shoulder	184+09.72'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Crown	184+09.72'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	184+63.05'	0.00%	0.00%	-4.00%	-2.00%
Reverse Crown	185+16.39'	2.00%	2.00%	-4.00%	-2.00%
Low Shoulder Match	185+69.72'	4.00%	4.00%	-4.00%	-4.00%
Begin Full Super	186+23.05'	6.00%	6.00%	-6.00%	-6.00%
End Full Super	194+86.94'	6.00%	6.00%	-6.00%	-6.00%
Reverse Crown	195+92.94'	2.00%	2.00%	-4.00%	-2.00%
Begin Normal Crown	196+99.94'	-2.00%	-2.00%	-4.00%	-2.00%
Begin Normal Shoulder	197+75.00'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Shoulder	201+68.62'	-4.00%	-2.00%	-4.00%	-2.00%
End Normal Crown	201+68.62'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	202+21.95'	0.00%	0.00%	-4.00%	-2.00%
Reverse Crown	202+75.29'	2.00%	2.00%	-4.00%	-2.00%
Low Shoulder Match	203+28.62'	4.00%	4.00%	-4.00%	-4.00%
Begin Full Super	203+81.95'	6.00%	6.00%	-6.00%	-6.00%
End Full Super	208+05.04'	6.00%	6.00%	-6.00%	-6.00%
Low Shoulder Match	208+58.37'	4.00%	4.00%	-4.00%	-4.00%
Reverse Crown	209+11.71'	2.00%	2.00%	-4.00%	-2.00%
Level Crown	209+65.04'	0.00%	0.00%	-4.00%	-2.00%
Begin Normal Crown	210+18.37'	-2.00%	-2.00%	-4.00%	-2.00%
Begin Normal Shoulder	210+18.37'	-4.00%	-2.00%	-4.00%	-2.00%
End Alignment	217+05.48'	-4.00%	-2.00%	-4.00%	-2.00%

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NB CTH P SUPERELEVATION TABLE					
TRANSITION EVENT POINTS		RATE			
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER	RIGHT LANE
Begin Alignment	98+99.99'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	99+99.99'	0.50%	0.50%	-4.00%	-4.00%
Low Shoulder Match	101+90.00'	3.00%	3.00%	-4.00%	-3.00%
Begin Full Super	102+36.00'	3.00%	3.00%	-4.00%	-3.00%
End Full Super	105+12.00'	3.00%	3.00%	-4.00%	-3.00%
Reverse Crown	106+12.00'	2.00%	2.00%	-4.00%	-2.00%
End Alignment	108+81.79'	-4.00%	-2.00%	-4.00%	-2.00%

SB CTH P SUPERELEVATION TABLE					
TRANSITION EVENT POINT		RATE			
		LEFT OF REFERENCE LINE		RIGHT OF REFERENCE LINE	
LOCATION	STATION	LEFT SHOULDER	LEFT LANE	RIGHT SHOULDER	RIGHT LANE
Begin Alignment	98+99.99'	-2.00%	-2.00%	-4.00%	-2.00%
Level Crown	99+99.99'	0.50%	0.50%	-4.00%	-4.00%
Low Shoulder Match	101+90.00'	3.00%	3.00%	-4.00%	-3.00%
Begin Full Super	102+36.00'	3.00%	3.00%	-4.00%	-3.00%
End Full Super	105+12.00'	3.00%	3.00%	-4.00%	-3.00%
Reverse Crown	106+12.00'	2.00%	2.00%	-4.00%	-2.00%
End Alignment	108+81.79'	-4.00%	-2.00%	-4.00%	-2.00%

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Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	5.000	5.000
0004	204.0110	Removing Asphaltic Surface	SY	2,330.000	2,330.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	23.000	23.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	4,470.000	4,470.000
0010	204.0150	Removing Curb & Gutter	LF	1,950.000	1,950.000
0012	204.0155	Removing Concrete Sidewalk	SY	122.000	122.000
0014	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0016	204.0220	Removing Inlets	EACH	3.000	3.000
0018	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	168.000	168.000
0020	205.0100	Excavation Common	CY	39,800.000	39,800.000
0022	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 5280-01-73	EACH	1.000	1.000
0024	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	12.000	12.000
0026	213.0100	Finishing Roadway (project) 01. 5280-01-73	EACH	1.000	1.000
0028	305.0110	Base Aggregate Dense 3/4-Inch	TON	570.000	570.000
0030	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	10,500.000	10,500.000
0032	312.0110	Select Crushed Material	TON	10,900.000	10,900.000
0034	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	8.000	8.000
0036	405.0100	Coloring Concrete WisDOT Red	CY	265.000	265.000
0038	416.0512	Concrete Truck Apron 12-Inch	SY	795.000	795.000
0040	416.0610	Drilled Tie Bars	EACH	12.000	12.000
0042	455.0605	Tack Coat	GAL	1,120.000	1,120.000
0044	460.2000	Incentive Density HMA Pavement	DOL	2,560.000	2,560.000
0046	460.6224	HMA Pavement 4 MT 58-28 S	TON	2,500.000	2,500.000
0048	460.6424	HMA Pavement 4 MT 58-28 H	TON	1,500.000	1,500.000
0050	465.0110	Asphaltic Surface Patching	TON	60.000	60.000
0052	465.0125	Asphaltic Surface Temporary	TON	430.000	430.000
0054	465.0315	Asphaltic Flumes	SY	137.000	137.000
0056	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	2,706.000	2,706.000
0058	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	630.000	630.000
0060	504.0900	Concrete Masonry Endwalls	CY	9.000	9.000
0062	520.1012	Apron Endwalls for Culvert Pipe 12-Inch	EACH	3.000	3.000
0064	520.2018	Culvert Pipe Temporary 18-Inch	LF	8.000	8.000
0066	522.0136	Culvert Pipe Reinforced Concrete Class III 36-Inch	LF	674.000	674.000
0068	522.0442	Culvert Pipe Reinforced Concrete Class IV 42-Inch	LF	154.000	154.000
0070	522.0448	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	34.000	34.000
0072	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0074	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000	1.000
0076	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	4.000	4.000
0078	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0080	522.2434	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	60.000	60.000
0082	522.2634	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 34x53-Inch	EACH	4.000	4.000
0084	524.0618	Apron Endwalls for Culvert Pipe Salvaged 18-Inch	EACH	2.000	2.000
0086	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	210.000	210.000
0088	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,520.000	1,520.000
0090	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A	LF	454.000	454.000
0092	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	1,524.000	1,524.000
0094	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	148.000	148.000
0096	601.0580	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type R	LF	333.000	333.000
0098	601.0600	Concrete Curb Pedestrian	LF	172.000	172.000

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Line	Item	Item Description	Unit	Total	Qty
0100	602.0405	Concrete Sidewalk 4-Inch	SF	3,450.000	3,450.000
0102	602.0410	Concrete Sidewalk 5-Inch	SF	665.000	665.000
0104	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	96.000	96.000
0106	606.0200	Riprap Medium	CY	55.000	55.000
0108	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	99.000	99.000
0110	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	332.000	332.000
0112	611.0624	Inlet Covers Type H	EACH	3.000	3.000
0114	611.0627	Inlet Covers Type HM	EACH	3.000	3.000
0116	611.0636	Inlet Covers Type HM-S	EACH	3.000	3.000
0118	611.0642	Inlet Covers Type MS	EACH	2.000	2.000
0120	611.0652	Inlet Covers Type T	EACH	2.000	2.000
0122	611.3225	Inlets 2x2.5-FT	EACH	2.000	2.000
0124	611.3230	Inlets 2x3-FT	EACH	9.000	9.000
0126	611.3902	Inlets Median 2 Grate	EACH	1.000	1.000
0128	611.8120.S	Cover Plates Temporary	EACH	1.000	1.000
0130	611.9800.S	Pipe Grates (size) 01. 36-Inch	EACH	1.000	1.000
0132	611.9800.S	Pipe Grates (size) 02. 42-Inch	EACH	4.000	4.000
0134	611.9800.S	Pipe Grates (size) 03. 48-Inch	EACH	2.000	2.000
0136	611.9800.S	Pipe Grates (size) 04. 34x53-Inch	EACH	4.000	4.000
0138	612.0106	Pipe Underdrain 6-Inch	LF	1,460.000	1,460.000
0140	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	1.000	1.000
0142	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5280-01-73	EACH	1.000	1.000
0144	619.1000	Mobilization	EACH	1.000	1.000
0146	620.0300	Concrete Median Sloped Nose	SF	180.000	180.000
0148	624.0100	Water	MGAL	280.000	280.000
0150	625.0500	Salvaged Topsoil	SY	32,400.000	32,400.000
0152	627.0200	Mulching	SY	24,200.000	24,200.000
0154	628.1504	Silt Fence	LF	100.000	100.000
0156	628.1520	Silt Fence Maintenance	LF	10.000	10.000
0158	628.1905	Mobilizations Erosion Control	EACH	9.000	9.000
0160	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000
0162	628.2004	Erosion Mat Class I Type B	SY	11,400.000	11,400.000
0164	628.7005	Inlet Protection Type A	EACH	1.000	1.000
0166	628.7010	Inlet Protection Type B	EACH	11.000	11.000
0168	628.7015	Inlet Protection Type C	EACH	13.000	13.000
0170	628.7504	Temporary Ditch Checks	LF	250.000	250.000
0172	628.7555	Culvert Pipe Checks	EACH	65.000	65.000
0174	629.0210	Fertilizer Type B	CWT	27.000	27.000
0176	630.0120	Seeding Mixture No. 20	LB	790.000	790.000
0178	630.0140	Seeding Mixture No. 40	LB	10.000	10.000
0180	630.0200	Seeding Temporary	LB	440.000	440.000
0182	630.0500	Seed Water	MGAL	195.000	195.000
0184	632.0201	Shrubs (species) (size) (root) 01. Blackhaw Viburnum, 18-24" HT, CG3	EACH	3.000	3.000
0186	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	13.000	13.000
0188	633.5100	Markers ROW	EACH	35.000	35.000
0190	633.5200	Markers Culvert End	EACH	22.000	22.000
0192	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	15.000	15.000
0194	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	3.000	3.000
0196	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	4.000	4.000

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Line	Item	Item Description	Unit	Total	Qty
0198	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	12.000	12.000
0200	637.2210	Signs Type II Reflective H	SF	315.280	315.280
0202	637.2230	Signs Type II Reflective F	SF	35.750	35.750
0204	638.2102	Moving Signs Type II	EACH	25.000	25.000
0206	638.2602	Removing Signs Type II	EACH	34.000	34.000
0208	638.3000	Removing Small Sign Supports	EACH	33.000	33.000
0210	638.4000	Moving Small Sign Supports	EACH	25.000	25.000
0212	642.5201	Field Office Type C	EACH	1.000	1.000
0214	643.0300	Traffic Control Drums	DAY	7,291.000	7,291.000
0216	643.0420	Traffic Control Barricades Type III	DAY	1,702.000	1,702.000
0218	643.0705	Traffic Control Warning Lights Type A	DAY	3,031.000	3,031.000
0220	643.0715	Traffic Control Warning Lights Type C	DAY	1,872.000	1,872.000
0222	643.0900	Traffic Control Signs	DAY	5,741.000	5,741.000
0224	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000
0226	643.1050	Traffic Control Signs PCMS	DAY	56.000	56.000
0228	643.3105	Temporary Marking Line Paint 4-Inch	LF	5,013.000	5,013.000
0230	643.3120	Temporary Marking Line Epoxy 4-Inch	LF	680.000	680.000
0232	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	7,222.000	7,222.000
0234	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	46.000	46.000
0236	643.5000	Traffic Control	EACH	1.000	1.000
0238	645.0130	Geotextile Type R	SY	115.000	115.000
0240	645.0220	Geogrid Type SR	SY	12,200.000	12,200.000
0242	646.1020	Marking Line Epoxy 4-Inch	LF	16,270.000	16,270.000
0244	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	2,970.000	2,970.000
0246	646.3020	Marking Line Epoxy 8-Inch	LF	443.000	443.000
0248	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	2,100.000	2,100.000
0250	646.5520	Marking Outfall Epoxy	EACH	1.000	1.000
0252	646.6120	Marking Stop Line Epoxy 18-Inch	LF	35.000	35.000
0254	646.6320	Marking Dotted Extension Epoxy 18-Inch	LF	39.000	39.000
0256	646.7120	Marking Diagonal Epoxy 12-Inch	LF	337.000	337.000
0258	646.8120	Marking Curb Epoxy	LF	59.000	59.000
0260	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0262	646.9000	Marking Removal Line 4-Inch	LF	3,890.000	3,890.000
0264	646.9200	Marking Removal Line Wide	LF	30.000	30.000
0266	650.4000	Construction Staking Storm Sewer	EACH	17.000	17.000
0268	650.4500	Construction Staking Subgrade	LF	2,640.000	2,640.000
0270	650.5000	Construction Staking Base	LF	2,640.000	2,640.000
0272	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	148.000	148.000
0274	650.6000	Construction Staking Pipe Culverts	EACH	9.000	9.000
0276	650.8000	Construction Staking Resurfacing Reference	LF	1,600.000	1,600.000
0278	650.8501	Construction Staking Electrical Installations (project) 01. 5280-01-73	EACH	1.000	1.000
0280	650.9911	Construction Staking Supplemental Control (project) 01. 5280-01-73	EACH	1.000	1.000
0282	650.9920	Construction Staking Slope Stakes	LF	4,358.000	4,358.000
0284	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,161.000	1,161.000
0286	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	126.000	126.000
0288	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	425.000	425.000
0290	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	11.000	11.000
0292	654.0106	Concrete Bases Type 6	EACH	10.000	10.000
0294	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0296	655.0610	Electrical Wire Lighting 12 AWG	LF	11,674.000	11,674.000
0298	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STA. 11+70 'RAB', 40.7' RT	EACH	1.000	1.000
0300	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	10.000	10.000
0302	657.0327	Poles Type 6-Aluminum	EACH	10.000	10.000
0304	657.0710	Luminaire Arms Truss Type 4 1/2-Inch Clamp 12-FT	EACH	10.000	10.000
0306	659.1125	Luminaires Utility LED C	EACH	10.000	10.000
0308	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000
0310	690.0150	Sawing Asphalt	LF	790.000	790.000
0312	690.0250	Sawing Concrete	LF	60.000	60.000
0314	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	700.000	700.000
0316	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	475.000	475.000
0318	SPV.0060	Special 01. Landmark Reference Monuments Special	EACH	1.000	1.000
0320	SPV.0060	Special 02. Verify Landmark Reference Monuments	EACH	1.000	1.000
0322	SPV.0060	Special 03. Construction Staking Roundabout	EACH	1.000	1.000
0324	SPV.0060	Special 04. Remove and Salvage Overhead Stop Sign Pole	EACH	2.000	2.000
0326	SPV.0180	Special 01. Shredded Hardwood Bark Mulch	SY	13.000	13.000

REMOVAL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0195 REMOVING CONCRETE BASES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (18-INCH) LF	SPV.0060.04 SPECIAL (REMOVE AND SALVAGE OVERHEAD STOP SIGN POLE) EACH
Stage 1														
0010	196+98 NBE'	-	197+68 'NBE'	LT/RT	-	-	-	-	122	46	1	-	-	1
0010	198+11 'NBE'	-	199+11 "NBE'	LT/RT	-	-	-	-	134	-	1	-	-	1
Stage 1 Totals					0	0	0	0	256	46	2	0	0	2
Stage 2														
0010	194+89 SBE'	-	197+37 "SBE'	RT	-	-	-	-	265	35	-	-	-	-
0010	198+53 'SBE'	-	202+86 'SBE'	RT	-	-	-	-	434	-	-	-	-	-
0010	199+11 'NBE'	-	202+89 'NBE'	LT	-	-	-	-	379	-	-	-	-	-
0010	199+29 'PE'		199+29 'PE'	LT	-	-	-	-	-	-	-	2	64	-
0010	54+55 'PE'	-	55+18 'PE'	LT	-	-	-	-	86	-	-	-	-	-
0010	54+98 'PE'	-	55+70 "PE'	RT	-	-	-	-	120	-	-	-	-	-
Stage 2 Totals					0	0	0	0	1284	35	0	2	64	0
Stage 3A														
0010	100+00 'PNB'		100+00 'PNB'	LT/RT	-	-	-	-	-	-	-	-	-	-
0010	103+42 'PNB'	-	103+74 'PNB'	RT	1	-	-	-	-	-	-	-	-	-
0010	55+00 'PE'	-	55+00 'PE'	LT/RT	2	-	-	-	-	-	-	-	-	-
0010	300+68 'V'	-	301+22 'V'	LT/RT	2	-	-	-	160	-	-	-	-	-
0010	203+28 'SB'	-	215+50 'SB'	LT/RT	-	-	14	3,695	-	-	-	-	-	-
Stage 3A Totals					5	0	14	3,695	160	0	0	0	0	0
Stage 3B														
0010	194+33 'NB'	-	196+81 'NB'	RT	-	-	-	-	250	41	-	-	-	-
Stage 3B Totals					0	0	0	0	250	41	0	0	0	0
Stage 3C														
0010	194+33 'NB'		206+89 'NB'	RT	-	825	-	-	-	-	-	-	-	-
0010	203+21 'NB'		207+00 'NB'	RT	-	-	9	775	-	-	-	-	-	-
Stage 3C Totals					0	825	9	775	0	0	0	0	0	0
Stage 4														
0010	187+16 'NB'	-	201+78 'NB'	RT	-	1505	-	-	-	-	-	-	8	-
0010	197+57 'NBE'	-	197+57 'NBE'	LT/RT	-	-	-	-	-	-	-	1	60	-
0010	199+29 'NBE'	-	199+29 'NBE'	RT	-	-	-	-	-	-	-	-	36	-
Stage 4 Totals					0	1,505	0	0	0	0	0	1	104	0
				TOTAL 0010	5	2,330	23	4,470	1,950	122	2	3	168	2

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE (15)	COMMENT
STAGE 1											
EX NB STH 113	186+27.83/207+37.91	RT	776	27	0	776	312	390	386	0	
STAGE 1 SUBTOTAL			776	27	0	776	312	390	386	386	
STAGE 2											
NB STH 113 SOUTH LEG	196+80.75/197+57.74	LT/RT	116	6	37	79	0	0	79	0	
NB STH 113 NORTH LEG	199+68.31/200+29.80	LT/RT	6	1	22	-16	49	61	-77	0	
SB STH 113 SOUTH LEG	194+86.94/197+78.46	LT/RT	648	33	58	590	37	46	544	0	
SB STH 113 NORTH LEG	201+00.00/215+48.27	LT/RT	3,994	200	65	3,929	78	98	3,832	0	
NB CTH P	104+56.09/108+81.79	LT/RT	6,270	314	0	6,270	169	211	6,059	0	
SB CTH P	104+57.19/109+10.95	LT/RT	7,474	374	0	7,474	123	154	7,320	0	
ROUNDABOUT	10+00.00/13+45.57	LT/RT	102	6	66	36	966	1,208	-1,172	0	
STAGE 2 SUBTOTAL			18,610	934	248	18,362	1,422	1,778	16,585	16,585	
STAGE 3A											
NB STH 113 SOUTH LEG	197+57.76/198+50.60	LT/RT	85	5	0	85	18	23	63	0	
SB STH 113 SOUTH LEG	197+78.46/198+63.60	LT/RT	360	18	94	266	15	19	247	0	
SB STH 113 NORTH LEG	200+13.02/201+00.00	LT/RT	1,382	70	21	1,361	276	345	1,016	0	
NB CTH P	100+00.00/107+97.13	LT/RT	10,325	517	423	9,902	179	224	9,678	0	
CTH V	300+00.00/301+44.84	LT/RT	1,342	65	102	1,240	311	389	851	0	
ROUNDABOUT	11+33.20/13+15.86	LT/RT	1,513	76	0	1,513	1,577	1,971	-458	0	
SOUTH SPECIAL DITCH	8+91.04/9+80.00	LT	1,415	0	0	1,415	0	0	1,415	0	
STAGE 3A SUBTOTAL			16,422	751	640	15,782	2,376	2,970	12,812	12,812	
STAGE 3B											
NB STH 113 SOUTH LEG	194+33.37/196+80.75	LT/RT	645	33	101	544	5	6	538	0	
NB STH 113 NORTH LEG	200+29.80/203+21.13	LT/RT	445	23	118	327	156	195	132	0	
STAGE 3B SUBTOTAL			1,090	56	219	871	161	201	670	670	
STAGE 3C											
NB STH 113 SOUTH LEG	194+33.37/196+58.92	RT	117	0	45	72	5	6	66	0	
NB STH 113 NORTH LEG	201+81.76/207+69.59	RT	223	0	38	185	64	80	105	0	
STAGE 3C SUBTOTAL			340	0	83	257	69	86	171	171	
STAGE 4											
NB STH 113 SOUTH LEG	186+27.77/194+33.37	RT	361	0	129	232	39	49	183	0	
NB STH 113 NORTH LEG	196+58.92/201+78.02	RT	387	0	319	68	648	810	-742	0	USE WASTE MATERIAL FROM PREVIOUS STAGES
ROUNDABOUT	10+11.22/10+87.68	RT	46	0	0	46	230	288	-242	0	USE WASTE MATERIAL FROM PREVIOUS STAGES
STAGE 4 SUBTOTAL			794	0	448	346	917	1,146	-800	0	
GRAND TOTAL			38,032	1,768	1,638	36,394	5,257	6,571	29,823	30,623	
TOTAL COMMON EXC			**39,800**								

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS VOLUME ASSUMED TO BE 5% OF CUT VOLUME. EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSH MATERIAL. EBS MATERIAL IS ASSUMED TO BE UNUSABLE IN FILLS.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL INCLUDES EXISTING APSHALTIC PAVEMENT

(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.25. EXPANDED FILL = (UNEXPANDED FILL)*FILL FACTOR

(14) 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.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE DENSE AND SELECT CRUSHED MATERIAL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	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	624.0100 WATER MGAL	645.0220 GEOGRID TYPE SR SY	REMARKS
Stage 1										
0010	187+16 'NBE'	-	206+57 'NBE'	RT	85	1,429	-	22	-	Temp Pavement
0010	197+00 'NBE'	-	197+70 'NBE'	LT	-	50	-	1	-	Temp Pavement
0010	198+09 'NBE'	-	199+09 'NBE'	LT	-	75	-	1	-	Temp Pavement
0010	55+45 'PE'	-	55+90 'PE'	LT	-	9	-	1	-	Temp Pavement
Stage 1 Totals					85	1563	0	25	0	
Stage 2										
0010	196+81 'NB'	-	197+59 'NB'	RT	-	143	135	4	232	HMA Pavt
0010	199+79 'NB'	-	200+30 'NB'	RT	-	81	22	3	132	HMA Pavt
0010	194+87 'SB'	-	197+78 'SB'	LT	37	599	497	16	749	HMA Pavt
0010	200+20 'SB'	-	203+29 'SB'	LT	26	598	515	16	814	HMA Pavt
0010	104+56 'PNB'	-	108+75 'PNB'	RT	27	799	673	21	1093	HMA Pavt
0010	104+55 'PSB'	-	109+00 'PSB'	LT	25	1074	859	35	1423	HMA Pavt
0010	11+89 'RAB'	-	11+28 'SB'	RT	-	642	608	18	1043	HMA Pavt
0010	199+76 'NB'	-	200+18 'NB'	LT	-	111	68	3	116	Concrete Median
0010	108+37 'PNB'	-	108+76 'PNB'	LT	-	169	112	5	177	Concrete Median
Stage 2 Totals					115	4216	3489	121	5779	
Stage 3A										
0010	197+58 'NB'	-	198+43 'NB'	RT	-	123	116	3	199	HMA Pavt
0010	197+78 'SB'	-	198+53 'SB'	LT	-	132	124	4	212	HMA Pavt
0010	100+00 'PNB'	-	104+55 'PNB'	LT/RT	113	2300	1859	61	2990	HMA Pavt, Includes CTH V
0010	11+28 'RAB'	-	13+00 'RAB'	RT	-	342	325	10	554	HMA Pavt
0010	203+28'SB'	-	215+50'SB'	LT/RT	41	-	-	1	-	M&O Shoulder Grading
0010	197+58 'NB'	-	198+45 'NB'	LT	-	161	95	5	163	Concrete Median
0010	194+67 'NB'	-	198+81 'NB'	RT	-	40	48	1	82	Truck Apron
0010	200+11 'SB'	-	200+95 'SB'	LT	-	37	44	1	75	Truck Apron
0010	107+89 'PNB'	-	198+11 'SB'	RT	-	68	79	2	136	Truck Apron
0010	10+00 'RAB'	-	13+46 'RAB'	LT	-	363	340	10	584	Truck Apron
Stage 3A Totals					154	3566	3030	98	4995	
Stage 3B										
0010	194+33 'NB'	-	196+81 'NB'	RT	10	360	321	12	522	HMA Pavt
0010	200+30 'NB'	-	203+21 'NB'	RT	12	473	425	13	696	HMA Pavt
Stage 3B Totals					22	833	746	25	1218	
Stage 3C										
0010	194+33 'NB'	-	196+13 'NB'	RT	29	180	114	5	116	HMA Pavt
0010	201+77 'NB'	-	203+21 'NB'	RT	23	142	91	4	92	HMA Pavt
0010	203+21'NB'	-	207+00 'NB'	RT	49	-	-	1	-	Shoulder Grading
Stage 3C Totals					101	322	205	10	208	
Stage 4										
0010	187+16 'NB'	-	194+33 'NB'	RT	93	-	-	1	-	Shoulder Grading
Stage 4 Totals					93	0	0	1	0	
UNDISTRIBUTED EBS										
0010		PROJECT		LT/RT	-	-	3430	-	-	
					0	0	3430	0	0	
				TOTAL 0010	570	10,500	10,900	280	12,200	

CONCRETE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	416.0512 CONCRETE TRUCK APRON 12-INCH SY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
Stage 2										
0010	199+76 'NB'	-	200+18 'NB'	LT	-	-	840	203	32	48
0010	108+37 'PNB'	-	108+76 'PNB'	LT	-	-	1,280	318	32	48
0010	104+59 'PNB'	-	104+04 'PNB'	LT	-	-	-	-	-	34
Stage 2 Totals					0	0	2,120	521	64	130
Stage 3A										
0010	197+58 'NB'	-	198+45 'NB'	LT	20	61	1,330	144	32	50
0010	200+11 'SB'	-	200+95 'SB'	LT	18	55	-	-	-	-
0010	107+89 'PNB'	-	198+11 'SB'	RT	32	95	-	-	-	-
0010	10+00 'RAB'	-	13+46 'RAB'	LT	195	584	-	-	-	-
Stage 3A Totals					265	795	1,330	144	32	50
				TOTAL 0010	265	795	3,450	665	96	180

DRILLED TIE BARS

CATEGORY	STATION	LOCATION	416.0610 DRILLED TIE BARS EACH
Stage 2			
0010	194+87 'SB'	RT	3
0010	203+29 'SB'	RT	3
Stage 2 Totals			6
Stage 3B			
0010	194+33 'NB'	LT	3
0010	203+21 'NB'	LT	3
Stage 3B Totals			6
		TOTAL 0010	12

PREPARE ASPHALTIC SHOULDERS

CATEGORY	STATION	TO	STATION	LOCATION	211.0400 PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS STA
STAGE 3A					
0010	207+00 'NB'	-	207+56 'NB'	RT	1
0010	203+28 'SB'	-	209+45 'SB'	LT	7
STAGE 3A TOTALS					8
STAGE 4					
0010	203+21 'NB'	-	207+00 'NB'	RT	4
STAGE 4 TOTALS					4
				TOTAL 0010	12

QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION

CATEGORY	LOCATION	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4-INCH COMPACTION EACH
0010	PROJECT	8
	TOTAL 0010	8

RUMBLE STRIPS

CATEGORY	STATION	TO	STATION	LOCATION	465.0425 ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL LF	465.0475 ASPHALTIC CENTERLINE RUMBLE STRIPS 2-LANE RURAL LF
STAGE 3A						
0010	207+00'NB'	-	215+50'NB'	RT	809	630
0010	201+34'SB'	-	215+50'SB'	LT	1,313	-
STAGE 3A TOTALS		-			2,122	630
STAGE 3C						
0010	201+13'NB'	-	207+00'NB'	RT	584	-
STAGE 3C TOTALS		-			584	0
				TOTAL 0010	2,706	630

ASPHALTIC ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	465.0315 ASPHALTIC FLUMES SY	REMARKS
Stage 1											
0010	187+16 'NBE'	-	206+57 'NBE'	RT	-	-	-	-	389	-	
0010	197+00 'NBE'	-	197+70 'NBE'	LT	-	-	-	-	14	-	
0010	198+09 'NBE'	-	199+09 'NBE'	LT	-	-	-	-	24	-	
0010	55+45 'PE'	-	55+90 'PE'	LT	-	-	-	-	3	-	
Stage 1 Totals					0	0	0	0	430	0	
Stage 2											
0010	196+81 'NB'	-	197+59 'NB'	RT	8	33	-	-	-	-	
0010	199+79 'NB'	-	200+30 'NB'	RT	5	19	-	-	-	-	
0010	194+87 'SB'	-	197+78 'SB'	LT	29	115	-	-	-	-	
0010	200+20 'SB'	-	203+29 'SB'	LT	30	119	-	-	-	-	
0010	104+56 'PNB'	-	108+75 'PNB'	RT	41	162	-	-	-	-	
0010	104+55 'PSB'	-	109+00 'PSB'	LT	56	220	-	-	-	-	
0010	11+89 'RAB'	-	11+28 'RAB'	RT	44	172	-	-	-	-	
Stage 2 Totals					213	840	0	0	0	0	
Stage 3A											
0010	197+59 'NB'	-	198+43 'NB'	RT	15	30	17	-	-	-	
0010	197+78 'SB'	-	198+53 'SB'	LT	15	29	17	-	-	-	
0010	100+00 'PNB'	-	104+55 'PNB'	LT/RT	290	561	321	-	-	40	INCLUDES CTH V
0010	11+28 'RAB'	-	13+00 'RAB'	RT	38	75	43	-	-	-	
0010	203+28 'SB'	-	215+50 'SB'	LT/RT	186	620	411	40	-	-	
0010	196+81 'NB'	-	197+59 'NB'	RT	8	-	19	-	-	-	
0010	199+79 'NB'	-	200+30 'NB'	RT	5	-	11	-	-	-	
0010	194+87 'SB'	-	197+78 'SB'	LT	29	-	66	-	-	16	
0010	200+20 'SB'	-	203+29 'SB'	LT	30	-	68	-	-	24	
0010	104+56 'PNB'	-	108+75 'PNB'	RT	41	-	93	-	-	-	
0010	104+55 'PSB'	-	109+00 'PSB'	LT	56	-	126	-	-	-	
0010	11+89 'RAB'	-	11+28 'RAB'	RT	44	-	98	-	-	-	
Stage 3A Totals					757	1,315	1,290	40	0	80	
Stage 3B											
0010	194+33 'NB'	-	196+81 'NB'	RT	38	75	43	-	-	-	
0010	200+30 'NB'	-	203+21 'NB'	RT	51	99	57	-	-	-	
Stage 3B Totals					89	174	100	0	0	0	
Stage 3C Totals											
0010	194+33 'NB'	-	196+13 'NB'	RT	12	23	13	-	-	-	
0010	201+77 'NB'	-	203+21 'NB'	RT	9	18	10	-	-	-	
0010	203+21 'NB'	-	207+00 'NB'	RT	40	130	87	20	-	-	
Stage 3C Totals					61	171	110	20	0	0	
Stage 4 Totals											
0010	196+78 'NB'	-	196+78 'NB'	RT	-	-	-	-	-	32	
0010	199+79 'NB'	-	203+21 'NB'	RT	-	-	-	-	-	25	
Stage 4 Totals					0	0	0	0	0	57	
				TOTAL 0010	1,120	2,500	1,500	60	430	137	

**UNDISTRIBUTED ASPHALTIC SURFACE PATCHING QUANTITIES AS NEEDED FOR RAMPS AT MILL AND OVERLAY MATCH POINTS AFTER MILLING.

3

CULVERT PIPE ITEMS

CATEGORY	STATION	LOCATION	INLET STATION	INLET ELEV.	OUTLET STATION	OUTLET ELEV.	504.0900 CONCRETE MASONRY ENDWALLS CY	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	522.0442 CULVERT PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF	522.0448 CULVERT PIPE REINFORCED CONCRETE CLASS IV 48-INCH LF	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	522.2434 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	522.2634 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 34X53-INCH EACH	611.0642 INLET COVERS TYPE MS EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.9800.S.01 PIPE GRATES (SIZE) (36-INCH) EACH	611.9800.S.02 PIPE GRATES (SIZE) (42-INCH) EACH	611.9800.S.03 PIPE GRATES (SIZE) (48-INCH) EACH	611.9800.S.04 PIPE GRATES (SIZE) (34X53-INCH) EACH	* 633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	REMARKS
STAGE 2																									
0010	214+04 'SB'	LT	213+89 'SB', 45.3 LT	1043.93	214+19 'SB', 45.3 LT	1043.78	-	-	-	-	-	-	-	30	2	-	-	-	-	-	2	2	1	
0010	214+04 'SB'	LT	213+89 'SB', 54.1 LT	1043.93	214+19 'SB', 54.1 LT	1043.78	-	-	-	-	-	-	-	30	2	-	-	-	-	-	2	2	1	
0010	108+41 'PNB	LT/RT	108+45 'PNB', 61.6 RT	1054.96	108+79 'PSB', 69.1 LT	1054.51	-	172	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
0010	108+46 'PNB'	LT/RT	108+57 'PNB', 61.0 RT	1054.96	108+84 'PSB', 67.9 LT	1054.51	9	172	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
0010	108+51 'PNB'	LT/RT	108+69 'PNB', 59.8 RT	1054.96	108+88 'PSB', 66.9 LT	1054.51	-	172	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	
STAGE 2 TOTALS							9	516	0	0	0	0	0	60	4	0	0	0	0	0	4	10	5	
STAGE 3A																								
0010	198+06 'NB'	LT/RT	198+30 'SB', 59.3 LT	1052.47	198+28 'NB', 79.9 RT	1051.68	-	124	-	-	-	-	-	-	-	2	1	-	-	-	-	-	1	REMAINDER OF PIPE INSTALLED IN STAGE 4
0010	103+59 'PNB'	RT	103+41 'PNB', 50.0 RT	1068.32	103+76 'PNB', 51.8 RT	1067.26	-	-	-	34	-	-	2	-	-	-	-	-	2	-	2	1	
0010	301+05 'V'	LT/RT	301+05 'V', 37.8 RT	1071.24	301+05 'V', 39.3 LT	1070.85	-	-	77	-	-	2	-	-	-	-	-	2	-	-	2	1	
0010	301+13 'V'	LT/RT	301+13 'V', 37.8 RT	1071.24	301+05 'V', 39.3 LT	1070.85	-	-	77	-	-	2	-	-	-	-	-	2	-	-	2	1	
STAGE 3A TOTALS							0	124	154	34	0	4	2	0	0	2	1	0	4	2	0	6	4	
STAGE 4																								
0010	198+06 'NB'	LT/RT	198+30 'SB', 59.3 LT	1052.47	198+28 'NB', 79.9 RT	1051.68	-	34	-	-	1	-	-	-	-	-	-	1	-	-	-	1	-	FIRST PORTION OF PIPE INSTALLED IN STAGE 3A
STAGE 4 TOTALS							0	34	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	
						TOTAL 0010	9	674	154	34	1	4	2	60	4	2	1	1	4	2	4	17	9	

* QUANTITIES LISTED ELSEWHERE

CONCRETE CURB AND GUTTER ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0580 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE R LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
STAGE 2												
0010	196+81 'NB'	-	197+59 'NB'	RT	-	-	-	79	-	-	-	-
0010	196+81 'NB'	-	197+59 'NB'	LT	-	77	-	-	-	-	-	-
0010	199+79 'NB'	-	200+30 'NB'	RT	-	48	-	-	-	-	-	-
0010	199+79 'NB'	-	200+30 'NB'	LT	-	51	-	-	-	-	53	-
0010	196+84 'SB'	-	197+78 'SB'	LT	-	-	-	44	-	-	-	-
0010	196+84 'SB'	-	197+78 'SB'	RT	-	95	-	-	-	-	-	-
0010	194+87 'SB'	-	196+84 'SB'	RT	-	-		198	-	-	-	-
0010	200+20 'SB'	-	201+87 'SB'	RT	-	168	-	-	-	-	-	-
0010	200+21 'SB'	-	201+59 'SB'	LT	-	-	59	67	-	-	-	-
0010	201+87 'SB'	-	203+29 'SB'	RT	-	-	-	142	-	-	-	-
0010	104+62 'PNB'	-	107+07 'PNB'	LT	-	-	-	246	-	-	-	-
0010	107+07 'PNB'	-	108+75 'PNB'	LT	-	170	-	-	-	-	81	-
0010	107+38 'PNB'	-	108+73 'PNB'	RT	-	-	111	50	-	-	-	-
0010	104+63 'PSB'	-	107+11 'PSB'	RT	-	-	-	247	-	-	-	-
0010	107+11 'PSB'	-	109+00 'PSB'	RT	-	189	-	-	-	-	-	-
0010	107+82 'PSB'	-	109+00 'PSB'	LT	-	157	-	-	-	-	-	-
0010	13+00 'RAB'	-	11+38 'RAB'	LT	-	-	-	-	-	176	-	-
0010	10+07 'RAB'	-	10+36 'RAB'	RT	-	-	48	-	-	-	-	-
0010	10+36 'RAB'	-	10+94 'RAB'	RT	-	91	-	-	-	-	-	-
0010	10+00 'RAB'	-	13+40 'RAB'	RT	-	96	-	-	-	-	-	-
STAGE 2 TOTALS		-			0	1,142	218	1,073	0	176	134	0
STAGE 3A												
0010	197+58 'NB'	-	198+45 'NB'	RT	-	-	71	-	-	-	-	-
0010	197+58 'NB'	-	198+45 'NB'	LT	-	87	-	-	-	-	38	-
0010	197+78 'SB'	-	198+53 'SB'	LT	-	-	75	33	-	-	-	-
0010	197+78 'SB'	-	198+53 'SB'	RT	-	75	-	-	-	-	-	-
0010	11+28 'RAB'	-	13+00 'RAB'	LT	-	-	-	-	-	157	-	-
0010	11+28 'RAB'	-	13+00 'RAB'	RT	-	27	90	-	-	-	-	-
0010	10+00 'RAB'	-	13+46 'RAB'	LT	210	-	-	-	-	-	-	-
0010	300+99 'V'	-	301+49 'V'	LT	-	-	-	-	72	-	-	72
0010	300+94 'V'	-	301+44 'V'	RT	-	-	-	-	76	-	-	76
STAGE 3A TOTALS		-			210	189	236	33	148	157	38	148
STAGE 3B												
0010	194+33 'NB'	-	196+81 'NB'	LT	-	-	-	248	-	-	-	-
0010	200+30 'NB'	-	200+98 'NB'	RT	-	68	-	-	-	-	-	-
0010	200+30 'NB'	-	201+51 'NB'	LT	-	121	-	-	-	-	-	-
0010	201+51 'NB'	-	203+21 'NB'	LT	-	-	-	170	-	-	-	-
STAGE 3B TOTALS		-			0	189	0	418	0	0	0	0
		-										
				TOTAL 0010	210	1,520	454	1,524	148	333	172	148

RIPRAP AND GEOTEXTILE FABRIC ITEMS

CATEGORY	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0130 GEOTEXTILE TYPE R SY
STAGE 1				
0010	195+80 'NB'	RT	2	4
STAGE 1 TOTALS			2	4
STAGE 2				
0010	214+30 'SB'	LT	13	26
0010	108+85 'PSB'	LT	13	30
0010	109+04 'PSB'	LT	2	4
STAGE 2 TOTALS			28	60
STAGE 3A				
0010	103+90 'PNB'	RT	5	10
0010	105+97 'PNB'	RT	2	4
0010	104+00 'PSB'	LT	9	19
0010	11+57 'RAB'	RT	2	4
STAGE 3A TOTALS			18	37
STAGE 3C				
0010	195+20 'NB'	RT	2	4
STAGE 3C TOTALS			2	4
STAGE 4				
0010	198+37 'NB'	RT	5	10
STAGE 4 TOTALS			5	10
		TOTAL 0010	55	115

COVER PLATES TEMPORARY

CATEGORY	STATION	LOCATION	611.8120.S COVER PLATES TEMPORARY EACH
STAGE 1			
0010	197+74 'SBE'	RT	1
STAGE 1 TOTALS			1
		TOTAL 0010	1

STORM SEWER PIPES

CATEGORY	FROM	-	TO	520.2018 CULVERT PIPE TEMPORARY 18-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	REMARKS
STAGE 1										
0010	191+93'NB'	-	191+93'NB'	8	-	-	1056.69	1056.67	0.30%	CMP CULVERT EXTENSION
0010	IN-10.1	-	EW-10.2	-	33	-	1054.03	1053.70	1.00%	
STAGE 1 TOTALS				8	33	0				
STAGE 2										
0010	IN-12.1	-	IN-12.2	-	-	11	1055.34	1055.24	1.00%	
0010	IN-13.2	-	EW-13.3	-	-	43	1064.22	1062.05	5.00%	
0010	IN-13.1	-	IN-13.2	-	-	17	1064.49	1064.32	1.00%	
0010	IN-14.4	-	EW-14.5	-	-	51	1055.40	1054.39	2.00%	
0010	IN-14.3	-	IN-14.4	-	-	28	1055.78	1055.50	1.00%	
0010	IN-14.2	-	IN-14.3	-	-	48	1056.37	1055.88	1.00%	
0010	IN-14.1	-	IN-14.2	-	-	23	1056.70	1056.47	1.00%	
STAGE 2 TOTALS				0	0	221				
STAGE 3A										
0010	IN-12.3	-	EW-12.4	-	-	52	1054.45	1053.93	1.00%	
0010	IN-12.2	-	IN-12.3	-	-	59	1055.14	1054.55	1.00%	
STAGE 3A TOTALS				0	0	111				
STAGE 3B										
0010	IN-11.1	-	IN-10.1	-	66	-	1054.46	1054.13	0.50%	
STAGE 3B TOTALS				0	66	0				
			TOTAL 0010	8	99	332				

REMARKS

* QUANTITIES LISTED ELSEWHERE

THICKNESS FOR STEEL AND ALUMINUM PIPE SHALL BE 0.064 AND 0.060, RESPECTIVELY, PER FDM 13-1 ATTACHMENT 25.2

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE	STATION	OFFSET**	LOCATION	520.1012 APRON ENDWALLS FOR CULVERT PIPE 12-INCH EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	524.0618 APRON ENDWALLS FOR CULVERT PIPE SALVAGED 18-INCH EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0652 INLET COVERS TYPE T EACH	611.3225 INLETS 2X2.5-FT EACH	611.3230 INLETS 2X3-FT EACH	* 633.5200 MARKERS CULVERT END EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
STAGE 1																		
0010	EXISTING EW	191+93 'NBE'	38.5 RT	NB STH 113	-	-	1	-	-	-	-	-	-	-	1	-	1056.67	-
0010	EW-10.2	195+20 'NBE'	32.0 RT	NB STH 113	-	1	-	-	-	-	-	-	-	1	1	-	1053.70	-
STAGE 1 TOTALS					0	1	1	0	0	0	0	0	0	1	2			
STAGE 2																		
0010	IN-11.1	195+92 'SB'	1.5 RT	SB STH 113	-	-	-	-		1	-	-	1	-	1	1059.50	1054.46	4.04
0010	IN-12.1	10+95 'RAB'	1.7 LT	RAB	-	-	-	-	-	-	1	1	-	-	1	1060.87	1055.34	4.45
0010	IN-12.2	11+06 'RAB'	1.7 LT	RAB	-	-	-	-	-	-	1	1	-	-	1	1060.85	1055.14	4.63
0010	IN-13.2	105+97 'PNB'	1.5 LT	NB CTH P	-	-	-	-	1	-	-	-	1	-	1	1070.13	1064.22	4.91
0010	IN-13.1	106+00 'PSB'	1.5 RT	SB CTH P	-	-	-	-	1	-	-	-	1	-	1	1070.17	1064.49	4.68
0010	EW-14.5	109+05 'PSB'	76.6 LT	SB CTH P	1	-	-	-	-	-	-	-	-	1	1	-	1054.39	-
0010	IN-14.4	109+02 'PSB'	26.2 LT	SB CTH P	-	-	-	1	-	-	-	-	1	-	1	1061.74	1055.40	5.34
0010	IN-14.3	108+97 'PSB'	1.5 RT	SB CTH P	-	-	-	1	-	-	-	-	1	-	1	1062.29	1055.78	5.51
0010	IN-14.2	108+72 'PNB'	1.5 LT	NB CTH P	-	-	-	1	-	-	-	-	1	-	1	1062.51	1056.37	5.14
0010	IN-14.1	108+78 'PNB'	20.7 RT	NB CTH P	-	-	-	-	-	1	-	-	1	-	1	1062.22	1056.70	4.52
STAGE 2 TOTALS					1	0	0	3	2	2	2	2	7	1	10			
STAGE 3A																		
0010	EW-12.4	11+59 'RAB'	76.9 RT	RAB	1	-	-	-	-	-	-	-	-	1	1	-	1053.93	-
0010	IN-12.3	11+48 'RAB'	29.1 RT	RAB	-	-	-	-	1	-	-	-	1	-	1	1060.92	1054.45	5.47
0010	EW-13.3	105+97 'PNB'	41.9 RT	NB CTH P	1	-	-	-	-	-	-	-	-	1	1	-	1062.05	-
STAGE 3A TOTALS					2	0	0	0	1	0	0	0	1	2	3			
STAGE 3B																		
0010	IN-10.1	195+20 'NB'	1.5 LT	NB STH 113	-	-	-	-	-	1	-	-	1	-	1	1058.44	1054.03	3.41
STAGE 3B TOTALS					0	0	0	0	0	1	0	0	1	0	1			
STAGE 4																		
0010	EXISTING EW	191+93 'NBE'	35.3 RT	NB STH 113	-	-	1	-	-	-	-	-	-	1	1	-	1056.69	-
STAGE 4 TOTALS					0	0	1	0	0	0	0	0	0	1	1			
				TOTAL 0010	3	1	2	3	3	3	2	2	9	5	17			

REMARKS

* QUANTITIES LISTED ELSEWHERE

** STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

*** THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

**** DEPTH = RIM ELEV - INVERT ELEV - COVER HEIGHT - 6 INCH ADJUSTMENT RING HEIGHT

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TEMPORARY DITCH CHECKS

CATEGORY	STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF
STAGE 1			
0010	187+50 'NBE'	RT	10
0010	189+50 'NBE'	RT	10
0010	191+50 'NBE'	RT	10
0010	194+00 'NBE'	RT	10
0010	196+00 'NBE'	RT	10
0010	198+00 'NBE'	RT	10
0010	200+00 'NBE'	RT	10
0010	202+00 'NBE'	RT	10
0010	204+00 'NBE'	RT	10
0010	206+00 'NBE'	RT	10
STAGE 1 TOTALS			100
STAGE 2			
0010	196+27 'SB'	LT	10
0010	202+00 'SB'	LT	10
0010	204+00 'SB'	LT	10
0010	206+00 'SB'	LT	10
0010	208+00 'SB'	LT	10
0010	210+00 'SB'	LT	10
0010	212+00 'SB'	LT	10
0010	107+00 'PNB'	RT	10
0010	105+00 'PSB'	LT	10
0010	107+00 'PSB'	LT	10
0010	108+50 'PSB'	LT	10
STAGE 2 TOTALS			110
STAGE 3A			
0010	105+00 'PNB'	RT	10
0010	107+00 'PNB'	RT	10
STAGE 3A TOTALS			20
STAGE 4			
0010	200+00 'NB'	RT	10
0010	202+00 'NB'	RT	10
STAGE 4 TOTALS			20
		TOTAL 0010	250

PIPE UNDERDRAIN

CATEGORY	STATION	TO	STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0806 APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE 6-INCH EACH	646.5520 MARKING OUTFALL EPOXY EACH	REMARKS
STAGE 3A								
0010	10+00'RAB'	-	13+45'RAB'	LT	340	-	-	TIES INTO IN 12.1 & 12.2
0010	194+87'SB'	-	196+50'SB'	RT	163	-	-	TIES INTO IN 11.1
0010	202+25'SB'	-	203+28'SB'	RT	150	1	1	APRON ENDWALL REQ'D
0010	107+37'PNB'	-	108+81'PNB'	RT	158	-	-	TIES INTO IN 14.1
0010	104+63'PSB'	-	108+97'PSB'	RT	434	-	-	TIES INTO IN 13.1 & 14.3
0010	107+81'PSB'	-	109+11'PSB'	LT	215	-	-	TIES INTO IN 12.3 & 14.4
STAGE 3A TOTALS					1,460	1	1	
				TOTAL 0010	1,460	1	1	

EROSION MAT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.2004 EROSION MAT CLASS I TYPE B SY	REMARKS
STAGE 1						
0010	186+00 'NBE'	-	206+00 'NBE'	RT	1,700	
STAGE 1 TOTALS					1,700	
STAGE 2						
0010	194+87 'SB'	-	197+79 'SB'	LT	291	
0010	200+49 'SB'	-	215+48 'SB'	LT	2,646	
0010	104+57 'PSB'	-	109+10 'PSB'	LT	1,205	
0010	104+61 'PNB'	-	108+35 'PNB'	LT	748	CTH P MEDIAN
0010			UNDISTRIBUTED		460	
STAGE 2 TOTALS					5,350	
STAGE 3A						
0010	197+78 'SB'	-	198+66 'SB'	LT	126	
0010	102+09 'PNB'	-	108+82 'PNB'	RT	1,093	
0010	102+00 'PSB'	-	104+57 'PSB'	LT	426	INCLUDES CTH V
0010	11+39 'RAB'	-	11+87 'RAB'	RT	213	
0010			UNDISTRIBUTED		252	
STAGE 3A TOTALS					2,110	
STAGE 4						
0010	194+33 'NB'	-	196+76 'NB'	LT	435	STH 113 MEDIAN
0010	200+18 'NB'	-	203+21 'NB'	LT	458	STH 113 MEDIAN
0010	188+60 'NB'	-	203+21 'NB'	RT	1,140	
0010			UNDISTRIBUTED		207	
STAGE 4 TOTALS					2,240	
				TOTAL 0010	11,400	

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7555 CULVERT PIPE CHECKS EACH
STAGE 2			
0010	213+81 'SB'	LT	20
0010	108+39 'PNB'	RT	21
STAGE 2 TOTALS			41
STAGE 3A			
0010	103+32 'PNB'	RT	10
0010	103+05 'PSB'	LT	14
STAGE 3A TOTALS			24
		TOTAL 0010	65

INLET PROTECTION ITEMS

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
STAGE 1					
0010	191+97 'SB'	RT	-	-	1
0010	205+40 'SB'	RT	-	-	1
STAGE 1 TOTALS			0	0	2
STAGE 2					
0010	195+92 'SB'	RT	-	1	1
0010	105+97 'PNB'	LT	-	1	1
0010	108+72 'PNB'	LT	-	1	1
0010	108+78 'PNB'	RT	-	1	1
0010	106+00 'PSB'	RT	-	1	1
0010	199+48 'PSB'	RT	-	1	1
0010	199+75 'PSB'	LT	-	1	1
0010	10+95 'RAB'	LT	-	1	1
0010	11+06 'RAB'	LT	-	1	1
STAGE 2 TOTALS			0	9	9
STAGE 3A					
0010	108+93 'SB'	LT	1	-	-
0010	11+48 'RAB'	RT	-	1	1
STAGE 3A TOTALS			1	1	1
STAGE 3B					
0010	195+20 'NB'	LT	-	1	1
STAGE 3B TOTALS			0	1	1
		TOTAL 0010	1	11	13

SILT FENCE ITEMS

CATEGORY	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
UNDISTRIBUTED	PROJECT	100	10
UNDISTRIBUTED		100	10
	TOTAL 0010	100	10

EROSION CONTROL MOBILIZATION ITEMS

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
STAGE 1			
0010	PROJECT	1	1
STAGE 1 TOTALS		1	1
STAGE 2			
0010	PROJECT	3	2
STAGE 2 TOTALS		3	2
STAGE 3A			
0010	PROJECT	3	2
STAGE 3A TOTALS		3	2
TAGE 3B & 3C			
0010	PROJECT	1	1
STAGE 3B & 3C TOTALS		1	1
STAGE 4			
0010	PROJECT	1	1
STAGE 4 TOTALS		1	1
	TOTAL 0010	9	7

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LANDSCAPING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
STAGE 1												
0010	186+18 'NBE'	-	207+75'NBE'	RT	2,630	930	2	-	-	74	15	
STAGE 1 TOTALS					2,630	930	2	0	0	74	15	
STAGE 2												
0010	194+87 'SB'	-	197+79 'SB'	LT	615	320	1	17	-	8	5	
0010	200+49 'SB'	-	215+48 'SB'	LT	6,030	4,700	4	163	-	80	35	
0010	104+57 'PSB'	-	109+10 'PSB'	LT	3,120	2,655	2	84	-	42	20	
0010	105+45 'PNB'	-	108+82 'PNB'	RT	1,825	1,820	1	49	-	25	10	
0010	104+61 'PNB'	-	108+35 'PNB'	LT	750	-	1	20	-	-	5	CTH P MEDIAN
0010		UNDISTRIBUTED			1,225	950	2	57	-	24	10	
STAGE 2 TOTALS					13,565	10,445	11	390	0	179	85	
STAGE 3A												
0010	197+78 'SB'	-	198+66 'SB'	LT	735	521	1	20	-	10	5	
0010	100+00 'PNB'	-	108+82 'PNB'	RT	4,320	4,013	3	117	-	58	25	
0010	100+00 'PSB'	-	104+57 'PSB'	LT	1,935	1,510	1	52	-	26	10	INCLUDES CTH V
0010	11+39 'RAB'	-	11+87 'RAB'	RT	830	782	1	22	-	11	5	
0010		UNDISTRIBUTED			800	680	1	9	-	4	5	
STAGE 3A TOTALS					8,620	7,506	7	220	0	109	50	
STAGE 4												
0010	186+27 'NB'	-	206+32 'NB'	RT	5,660	4,503	4	153	-	78	32	
0010	194+33 'NB'	-	196+76 'NB'	LT	435	-	0.5	12	-	-	2	STH 113 MEDIAN
0010	200+18 'NB'	-	203+21 'NB'	LT	460	-	0.5	12	-	-	3	STH 113 MEDIAN
0010	10+00 'RAB'	-	13+46 'RAB'	RT	330	326	0.5	-	9	-	2	CENTRAL ISLAND
0010		UNDISTRIBUTED			700	490	1.5	3	1	-	6	
STAGE 4 TOTALS					7,585	5,319	7	180	10	78	45	
				TOTAL 0010	32,400	24,200	27	790	10	440	195	

PLANTING SUMMARY

CATEGORY	LOCATION	632.0201.01 SHRUBS (SPECIES) (SIZE) (ROOT) (01. BLACKHAW VIBURNUM, 18-24" HT, CG3) EACH	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	SPV.0180.01 SPECIAL (01. SHREDDED HARDWOOD BARK MULCH) SY
0010	RAB CIRCLE	3	13	13
	TOTAL 0010	3	13	13

ROW MARKERS

CATEGORY	LOCATION	633.5100 MARKERS ROW EACH
0010	PROJECT 5280-01-73	35
	TOTAL 0010	35

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PERMANENT SIGNING

CATEGORY	SIGN NO	STATION	LOCATION	SIGN CODE	SIZE IN X IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0010	100A	191+00 'NB'	RT	W2-6	30 X 30	1	-	-	-	-	6.25	
0010	100B	191+00 'NB'	RT	W13-1	18 X 18	-	-	-	-	-	2.25	20 MPH, MOUNT BELOW SIGN 100A
0010	101	193+00 'NB'	RT	D1-62	102 X 72	-	-	2	-	51.00	-	CTH P & CTH V LEFT, STH 113 STRAIGHT
0010	300	198+50 'NB'	RT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	301	198+43 'NB'	LT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	302	199+80 'NB'	LT	D1-2	66 X 36	-	-	-	2	16.50	-	CTH P & CTH P LEFT, STH 113 RIGHT
0010	303	198+52 'SB'	RT	D1-1	66 X 30	-	-	-	2	13.75	-	STH 113 & CTH V RIGHT
0010	304	200+22 'SB'	RT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	305	200+14 'SB'	LT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	306	108+73 'PNB'	RT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	307	108+73 'PNB'	LT	R1-2	36 X 31	-	-	-	1	3.88	-	
0010	308	108+96 'PSB'	RT	D1-1	54 X 18	-	-	-	2	6.75	-	CTH P & CTH V RIGHT
0010	309A	12+76 'RAB'	LT	R6-1R	56 X 18	2	-	-	-	7.00	-	
0010	309B	12+76 'RAB'	LT	R6-4B	60 X 24	-	-	-	-	10.00	-	MOUNT BELOW SIGN 309A
0010	310A	11+58 'RAB'	LT	R6-1R	56 X 18	2	-	-	-	7.00	-	
0010	310B	11+58 'RAB'	LT	R6-4B	60 X 24	-	-	-	-	10.00	-	MOUNT BELOW SIGN 310A
0010	311A	10+44 'RAB'	LT	R6-1R	56 X 18	2	-	-	-	7.00	-	
0010	311B	10+44 'RAB'	LT	R6-4B	60 X 24	-	-	-	-	10.00	-	MOUNT BELOW SIGN 311A
0010	400	208+00 'SB'	LT	D1-62	102 X 72	-	-	2	-	51.00	-	CTH P & CTH V RIGHT, STH 113 STRAIGHT
0010	500A	210+00 'SB'	LT	W2-6	30 X 30	1	-	-	-	-	6.25	
0010	500B	210+00 'SB'	LT	W13-1	18 X 18	-	-	-	-	-	2.25	20 MPH, MOUNT BELOW SIGN 501A
0010	601A	99+00 'PNB'	RT	W2-6	30 X 30	1	-	-	-	-	6.25	
0010	601B	99+00 'PNB'	RT	W13-1	18 X 18	-	-	-	-	-	2.25	20 MPH, MOUNT BELOW SIGN 601B
0010	602	101+00 'PNB'	RT	D1-62	132 X 42	-	2	-	-	38.50		
0010	603	103+00 'PNB'	RT	J12-1	24 X 45	-	1	-	-	7.50	-	
0010	604	103+33 'PNB'	RT	W1-7	48 X 24	1	-	-	-	-	8.00	
0010	605	301+23 'V'	RT	J12-2	48 X 45	1	-	-	-	15.00	-	
0010	606	301+23 'V'	RT	R1-1	30 X 30	1	-	-	-	6.25	-	
0010	700	104+64 'PSB'	LT	J13-2	48 X 45	1	-	-	-	15.00	-	
0010	701A	104+66 'PSB'	RT	R4-7	24 X 30	1	-	-	-	5.00	-	
0010	701B	104+66 'PSB'	RT	W5-54	18 X 18	-	-	-	-	-	2.25	MOUNT BELOW SIGN 701A
0010	702	107+60 'PSB'	LT	R5-1A	42 X 30	1	-	-	-	8.75	-	
0010	703	107+60 'PSB'	LT	R3-20R	24 X 36	-	-	-	-	6.00	-	
TOTAL 0010						15	3	4	12	315.28	35.75	

REMOVING SIGNS AND SUPPORTS

CATEGORY	SIGN NO	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	S101	197+53'NBE'	RT	2	-	-	2	STOP, MOVE IN STAGE 1 & STAGE 2
0010	S102	197+53'NBE'	LT	2	-	-	2	STOP, MOVE IN STAGE 1 & STAGE 2
0010	S103	198+21'NBE'	LT	2	-	-	2	STOP, MOVE IN STAGE 1 & STAGE 2
0010	S104	198+21'NBE'	LT	1	-	-	1	STOP
0010	S105	197+53'NBE'	RT	1	-	-	1	CTH P LEFT, CTH V LEFT
0010	S106	197+82'NBE'	RT	1	-	-	1	ONE WAY
0010	S107	199+17'NBE'	RT	1	-	-	1	NORTH STH 113
0010	S108	200+84'NBE'	RT	1	-	-	1	MEDIAN
0010	S201	186+03'NBE'	RT	1	-	-	1	CTH V LEFT, CTH JUNCTION
0010	S202	190+13'NBE'	RT	2	-	-	2	STOP AHEAD, MOVE IN STAGE 1 & STAGE 2
0010	100	187+69 'NB'	RT	1	-	-	1	CTH V LEFT, CTH P JCT
0010	101	190+15 'NB'	LT	-	1	1	-	STOP AHEAD
0010	102	190+15 'NB'	RT	-	1	1	-	STOP AHEAD
0010	103	190+22 'SB'	LT	1	-	-	1	55 MPH
0010	200	195+41 'SB'	LT	1	-	-	1	STH 113, CTH V
0010	201	195+38 'NB'	LT	-	1	1	-	BEGIN LEFT TURN LANE
0010	202	197+46 'SB'	LT	-	1	1	-	STOP, ONE WAY
0010	203	197+35 'NB'	RT	-	1	1	-	STOP, ALL WAY
0010	204	197+60 'NB'	RT	-	1	-	-	STOP, ALL WAY
0010	205	197+74 'NB'	RT	-	1	1	-	STOP, ALL WAY, DIVIDED HIGHWAY
0010	206	197+51 'NB'	RT	-	1	1	-	CTH P LEFT, CTH V LEFT
0010	207	197+57 'NB'	RT	-	1	1	-	ONE WAY
0010	208	198+00 'SB'	RT	-	1	1	-	STH 113 L/R, V LEFT
0010	300	198+64 SB'	LT	-	1	1	-	STOP
0010	301	198+64 'SB'	LT	-	1	1	-	CTH V RIGHT, CTH P RIGHT
0010	302	198+70 'SB'	RT	1	-	-	1	DO NOT ENTER
0010	303	198+39 'NB'	RT	-	1	1	-	STOP, ALL WAY
0010	304	198+52 'NB'	RT	-	1	-	-	STOP, ALL WAY
0010	305	198+49 'NB'	RT	-	1	1	-	KEEP RIGHT
0010	306	198+81 'NB'	RT	-	1	1	-	DO NOT ENTER
0010	307	199+60 'NB'	RT	1	-	-	1	STH 113 NORTH
0010	308	200+41 'SB'	RT	1	-	-	1	WRONG WAY
0010	309	201+41 'SB'	LT	-	1	1	-	CTH V STRIGHT/REFT, CTH P RIGHT
0010	310	201+21 'NB'	RT	1	-	-	1	MEDIAN
0010	311	202+66 'SB'	RT	-	1	1	-	STOP AHEAD
0010	312	202+66 'SB'	LT	-	1	1	-	STOP AHEAD
0010	400	204+37 'SB'	LT	-	1	2	-	USE TURN SIGNAL
0010	401	205+33 'NB'	RT	1	-	-	1	DO NOT ENTER
0010	402	208+61 'SB'	LT	1	-	-	1	CTH P & CTH V JCT
0010	403	212+65 'SB'	LT	1	-	-	1	CURVE AHEAD
0010	500	98+70 'PNB'	RT	-	1	1	-	STOP AHEAD
0010	501	98+70 'PNB'	LT	-	1	1	-	STOP AHEAD
0010	502	101+83 'PSB'	LT	-	1	1	-	CHEVRON
0010	503	102+68 'PSB'	LT	-	1	1	-	CHEVRON
0010	504	301+45 'V'	RT	-	1	1	-	CTH V LEFT, CTH P LEFT/RIGHT
0010	505	301+45 'V'	RT	-	1	1	-	STOP
0010	506	103+41 'PNB'	RT	-	1	1	-	CTH V STRIGHT/LEFT, LEFT/RIGHT ARROW
0010	507	103+88 'PSB'	LT	-	1	1	-	RIGHT ARROW
0010	508	103+99 'PNB'	LT	-	1	1	-	CHEVRON
0010	509	300+50 'V'	RT	1	-	-	1	CTH V
0010	600	104+13 'PNB'	RT	-	1	1	-	CTH V RIGHT
0010	601	104+36 'PNB'	RT	-	1	1	-	STOP AHEAD
0010	602	104+51 'PNB'	RT	-	1	1	-	CHEVRON
0010	603	105+34 'PNB'	RT	-	1	1	-	CHEVRON
0010	604	105+97 'PNB'	RT	-	1	1	-	CHEVRON, CTH P
TOTAL 0010				25	34	33	25	

TRAFFIC CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	APPROXIMATE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.3105 TEMPORARY MARKING LINE PAINT 4-INCH LF	643.3120 TEMPORARY MARKING LINE EPOXY 4-INCH LF	643.3150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	643.3805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	REMARKS
STAGE 1		-																									
0010	182+00 'NBE'	-	208+00 'NBE'	STH 113 NB	14	35	490	-	-	-	-	-	-	9	126	-	-	-	1	7	-	-	-	-	-	-	
0010	182+00 'SBE'	-	208+00 'SBE'	STH 113 SB	14	12	168	-	-	-	-	-	-	4	56	-	-	-	1	7	-	-	-	-	-	-	
0010	54+50 'PE'	-	56+00 'PE'	CTH P	14	3	42	-	-	-	-	-	-	4	56	-	-	-	1	7	-	-	-	-	-	-	
0010				CTH V	14	-	-	-	-	-	-	-	-	1	14	-	-	-	1	7	-	-	-	-	-	-	
0010				UNDISTRIBUTED	14	5	70	-	-	-	-	-	-	2	28	-	-	-	-	-	-	-	-	-	-	-	
STAGE 1 TOTALS							770		0		0		0		280			0		28	0	0	0	0	0	0	
STAGE 2																											
0010	185+00 'NB'	-	215+00 'NB'	STH 113 NB	52	42	2,184	-	-	-	-	16	832	10	520	2	1	2	-	-	2,272	-	5,693	18	2,310	30	
0010	185+00 'SB'	-	215+00 'SB'	STH 113 SB	52	-	-	9	468	18	936	-	-	17	884	-	-	-	-	-	681	-	1,529	11	1,330	-	
0010	54+50 'PE'	-	56+00 'PE'	CTH P	52	29	1,508	1	52	2	104	-	-	5	260	-	-	-	-	-	700	-	-	17	250	-	
0010				CTH V	52	-	-	-	-	-	-	-	-	1	52	-	-	-	-	-	-	-	-	-	-	-	
0010				UNDISTRIBUTED	52	7	364	1	52	2	104	2	104	4	208	-	-	-	-	-	-	-	-	-	-	-	
STAGE 2 TOTALS							4,056		572		1,144		936		1,924			2		0	3,653	0	7,222	46	3,890	30	
STAGE 3A																											
0010	185+00 'NB'	-	215+00 'NB'	STH 113 NB	52	30	1,560	-	-	-	-	16	832	12	624	-	-	-	1	7	-	-	-	-	-	-	
0010	207+00 'NB'	-	215+00 'NB'	STH 113 NB	2	-	-	-	-	-	-	-	-	6	12	-	-	-	-	-	-	-	-	-	-	-	MILL AND OVERLAY FLAGGING
0010	185+00 'SB'	-	215+00 'SB'	STH 113 SB	52	-	-	8	416	16	832	-	-	22	1,144	-	-	-	1	7	1,360	680	-	-	-	-	
0010	100+00 'PNB'	-	108+80 'PNB'	CTH P	52	-	-	4	208	8	416	-	-	9	468	-	-	-	1	7	-	-	-	-	-	-	
0010				CTH V	52	-	-	4	208	5	260	-	-	6	312	-	-	-	1	7	-	-	-	-	-	-	
0010				UNDISTRIBUTED	52	3	156	2	104	3	156	2	104	6	312	-	-	-	-	-	-	-	-	-	-	-	
STAGE 3A TOTALS							1,716		936		1,664		936		2,872			0		28	1,360 **	680 ***	0	0	0	0	
STAGE 3B																											
0010	184+00 'NB'	-	209+00 'NB'	STH 113 NB	7	28	196	6	42	6	42	-	-	16	112	-	-	-	-	-	-	-	-	-	-	-	
0010	185+00 'SB'	-	209+00 'SB'	STH 113 SB	7	9	63	8	56	8	56	-	-	12	84	-	-	-	-	-	-	-	-	-	-	-	
0010	100+00 'PNB'	-	108+80 'PNB'	CTH P	7	-	-	8	56	12	84	-	-	10	70	-	-	-	-	-	-	-	-	-	-	-	
0010				CTH V	7	-	-	-	-	-	-	-	-	5	35	-	-	-	-	-	-	-	-	-	-	-	
0010				UNDISTRIBUTED	7	4	28	3	21	3	21	-	-	5	35	-	-	-	-	-	-	-	-	-	-	-	
STAGE 3B TOTALS							287		175		203		0		336			0		0	0	0	0	0	0	0	
STAGE 3C																											
0010	184+00 'NB'	-	209+00 'NB'	STH 113 NB	1	24	24	1	1	2	2	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	
0010	185+00 'SB'	-	209+00 'SB'	STH 113 SB	1	-	-	8	8	4	4	-	-	7	7	-	-	-	-	-	-	-	-	-	-	-	
0010	100+00 'PNB'	-	108+80 'PNB'	CTH P	1	-	-	8	8	12	12	-	-	7	7	-	-	-	-	-	-	-	-	-	-	-	
0010				CTH V	1	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	
0010				UNDISTRIBUTED	1	3	3	2	2	2	2	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	
STAGE 3C TOTALS							27		19		20		0		29			0		0	0	0	0	0	0	0	
STAGE 4																											
0010	183+00 'NB'	-	208+00 'NB'	STH 113 NB	15	26	390	-	-	-	-	-	-	9	135	-	-	-	-	-	-	-	-	-	-	-	
0010	185+00 'SB'	-	209+00 'SB'	STH 113 SB	15	-	-	-	-	-	-	-	-	4	60	-	-	-	-	-	-	-	-	-	-	-	
0010	100+00 'PNB'	-	108+80 'PNB'	CTH P	15	-	-	-	-	-	-	-	-	4	60	-	-	-	-	-	-	-	-	-	-	-	
0010				CTH V	15	-	-	-	-	-	-	-	-	1	15	-	-	-	-	-	-	-	-	-	-	-	
0010				UNDISTRIBUTED	15	3	45	-	-	-	-	-	-	2	30	-	-	-	-	-	-	-	-	-	-	-	
STAGE 4 TOTALS							435		0		0		0		300			0		0	0	0	0	0	0	0	
				TOTAL 0010			7,291		1,702		3,031		1,872		5,741			2		56	5,013	680	7,222	46	3,890	30	

** PLACE TEMPORARY PAINT PAVEMENT MARKINGS IN MILL AND OVERLAY LIMITS ON SAME DAY AS MILLING OR PLACEMENT OF LOWER PAVEMENT LAYER.
*** PLACE TEMPORARY EPOXY PAVEMENT MARKINGS IN MILL AND OVERLAY LIMITS ON SAME DAY AS PLACEMENT OF UPPER PAVEMENT LAYER PRIOR TO RUMBLE STRPS.

PAVEMENT MARKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	** 646.4520 MARKING LINE SAME DAY EPOXY 4-INCH (WHITE) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.6320 MARKING DOTTED EXTENSION EPOXY 18-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH
0010	184+72 'NB'	-	198+38 'NB'	LT/RT	3,962	1,293	-	-	-	-	-	132	-	-
0010	199+84 'NB'	-	215+11 'NB'	LT/RT	5,550	-	1,500	-	2,100	-	-	130	-	-
0010	194+87 'SB'	-	198+48 'SB'	LT/RT	361	313	-	-	-	-	-	-	-	-
0010	200+25 'SB'	-	215+50 'SB'	LT/RT	550	-	1,470	-	-	-	-	-	-	-
0010	100+00 'PNB'	-	108+70 'NB'	LT/RT	1,105	802	-	-	-	-	-	75	59	1
0010	100+00 'PSB'	-	108+95 'PSB'	LT/RT	1,101	758	-	199	-	-	-	-	-	-
0010	300+00 'V'	-	301+41 'V'	LT/RT	281	194	-	-	-	35	-	-	-	-
0010	10+00 'RAB'	-	13+46 'RAB'	RT	-	-	-	244	-	-	39	-	-	-
				TOTAL 0010	16,270		2,970	443	2,100	35	39	337	59	1

** PLACE SAME DAY AS CENTERLINE RUMBLE STRIP MILLING

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (5280-01-73) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
STAGE 1									
	187+16 'NBE'	-	206+57 'NBE'	RT	1941	1941	-	1	1941
STAGE 1 TOTALS					1941	1941	0	1	1941
STAGE 2									
0010	203+28 'SB'	-	215+50 'SB'	LT	-	-	-	-	1221
STAGE 2 TOTALS					0	0	0	0	1221
STAGE 3A									
0010	100+00 'PNB'	-	104+55 'PNB'	LT/RT	555	555	-	-	556
0010	300+00 'V'	-	301+44 'V'	LT/RT	144	144	-	-	144
0010	203+28 'SB'	-	215+50 'SB'	LT/RT	-	-	1221	-	117
STAGE 3A TOTALS					699	699	1221	0	817
STAGE 3C									
0010	203+21 'NB'	-	207+00 'NB'	RT	-	-	379	-	379
STAGE 3C TOTALS					0	0	379	0	379
				TOTAL 0010	2,640	2,640	1,600	1	4,358

CONSTRUCTION STAKING

CATEGORY	STATION	LOCATION	SPV.0060.03 SPECIAL (CONSTRUCTION STAKING ROUNDABOUT) EACH
0010	PROJECT	5280-01-73	1
		TOTAL 0010	1

PULLBOX ITEMS

CATEGORY	PULLBOX NUMBER	STATION	OFFSET	LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24X42-INCH EACH
STAGE 3A					
0010	PB-1	200+36 'SB'	43.3	LT	1
0010	PB-2	200+75 'SB'	36.7	LT	1
0010	PB-3	199+75 'NB'	36.1	RT	1
0010	PB-4	198+51 'NB'	42.1	RT	1
0010	PB-5	197+71 'NB'	45.5	RT	1
0010	PB-7	11+77 'RAB'	43.4	RT	1
0010	PB-8	12+93 'RAB'	49.8	RT	1
0010	PB-9	108+13 'PNB'	41.6	RT	1
0010	PB-10	106+26 'PNB'	32.0	RT	1
0010	PB-11	104+25 'PNB'	29.5	RT	1
STAGE 3A TOTALS					10
STAGE 4					
0010	PB-6	195+91 'NB'	33.1	RT	1
STAGE 4 TOTALS					1
				TOTAL 0010	11

CONTROL CABINET ITEMS

CATEGORY	CABINET NUMBER	STATION	OFFSET	LOCATION	650.8501.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (5280-01-73) EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) (STA. 11+70 'RAB', 40.7' RT) EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
STAGE 3A								
0010	LC1	11+70 'RAB'	40.7	RT	1	1	1	1
STAGE 3A TOTALS					1	1	1	1
				TOTAL 0010	1	1	1	1

LIGHTING CONDUIT AND WIRE ITEMS

CATEGORY	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	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	REMARKS
STAGE 2							
0010	PB-1	PB-3	-	-	121	918	
0010	PB-4	PB-8	-	-	125	157	TRACER WIRE ONLY
STAGE 2 TOTALS			0	0	246	1,075	
STAGE 3A							
0010	PB-1	PB-2	219	-	-	753	
0010	PB-1	L1	34	-	-	330	
0010	PB-1	LC1	-	100	-	657	
0010	PB-3	L3	7	-	-	168	
0010	PB-3	PB-4	124	-	-	936	
0010	PB-4	PB-5	50	-	-	492	
0010	PB-5	L4	9	-	-	90	
0010	LC1	PB-7		26	-	216	
0010	PB-7	L6	32	-	-	318	
0010	PB-7	PB-8	-	-	179	1,254	
0010	PB-8	L7	15	-	-	216	
0010	PB-8	PB-9	80	-	-	672	
0010	PB-9	L8	8	-	-	174	
0010	PB-9	PB-10	174	-	-	1,236	
0010	PB-10	L9	7	-	-	84	
0010	PB-10	PB-11	200	-	-	687	
0010	PB-11	L10	5	-	-	78	
STAGE 3A TOTALS			964	126	179	8,361	
STAGE 4							
0010	PB-5	PB-6	190	-	-	654	
0010	PB-6	L5	7	-	-	84	
STAGE 4 TOTALS			197	0	0	738	
		TOTAL 0010	1,161	126	425	10,174	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

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STREET LIGHTING ITEMS

CATEGORY	LIGHT NUMBER	STATION	OFFSET	LOCATION	654.0106 CONCRETE BASES TYPE 6 EACH	* 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6-ALUMINUM EACH	657.0710 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 12-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
STAGE 3A										
0010	L1	200+86 'SB'	35.8	LT	1	150	1	1	1	1
0010	L2	202+75 'SB'	30.3	LT	1	150	1	1	1	1
0010	L3	199+75 'NB'	36.1	RT	1	150	1	1	1	1
0010	L4	197+72 'NB'	36.4	RT	1	150	1	1	1	1
0010	L6	11+94 'RAB'	50.0	RT	1	150	1	1	1	1
0010	L7	13+01 'RAB'	49.8	RT	1	150	1	1	1	1
0010	L8	108+11 'PNB'	34.2	RT	1	150	1	1	1	1
0010	L9	106+26 'PNB'	24.6	RT	1	150	1	1	1	1
0010	L10	104+25 'PNB'	24.5	RT	1	150	1	1	1	1
STAGE 3A TOTALS					9	1,350	9	9	9	9
STAGE 4										
0010	L5	195+90 'NB'	26.8	RT	1	150	1	1	1	1
STAGE 4 TOTALS					1	150	1	1	1	1
				TOTAL 0010	10	1,500	10	10	10	10

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LANDMARK REFERENCE MONUMENTS

CATEGORY	STATION	LOCATION	SPV.0060.01 SPECIAL (LANDMARK REFERENCE MONUMENTS SPECIAL) EACH	SPV.0060.02 SPECIAL (VERIFY LANDMARK REFERENCE MONUMENTS) EACH
0010	103+50.88 'PNB'	8.1' LT	1	1
		TOTAL 0010	1	1

SAWING PAVEMENT ITEMS

CATEGORY	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
STAGE 1				
0010	196+95 'NBE'	LT/RT	-	29
0010	198+36 'NBE'	LT/RT	-	5
STAGE 1 TOTALS			0	34
STAGE 2				
0010	194+87 'SB'	LT/RT	136	5
0010	203+29 'SB'	LT/RT	333	5
STAGE 2 TOTALS			469	10
STAGE 3A				
0010	100+00 'PNB'	LT/RT	40	-
0010	300+00 'V'	LT/RT	36	-
0010	203+28 'SB'	LT/RT	78	-
STAGE 3A TOTALS			154	0
STAGE 3B				
0010	194+33 'NB'	LT/RT	15	3
0010	203+21 'NB'	LT/RT	15	3
STAGE 3B TOTALS			30	6
STAGE 3C				
0010	203+21 'NB'	LT/RT	37	-
STAGE 3C TOTALS			37	0
UNDISTRIBUTED				
0010	PROJECT	LT/RT	100	10
STAGE 3C TOTALS			100	10
		TOTAL 0010	790	60

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5280-01-23
MADISON - LODI
(CTH P/CTH V INTERSECTION)
STH 113
DANE COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON BAR (3/4-INCH UNLESS NOTED) IR

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER 25 — UTILITY NUMBER 40

PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

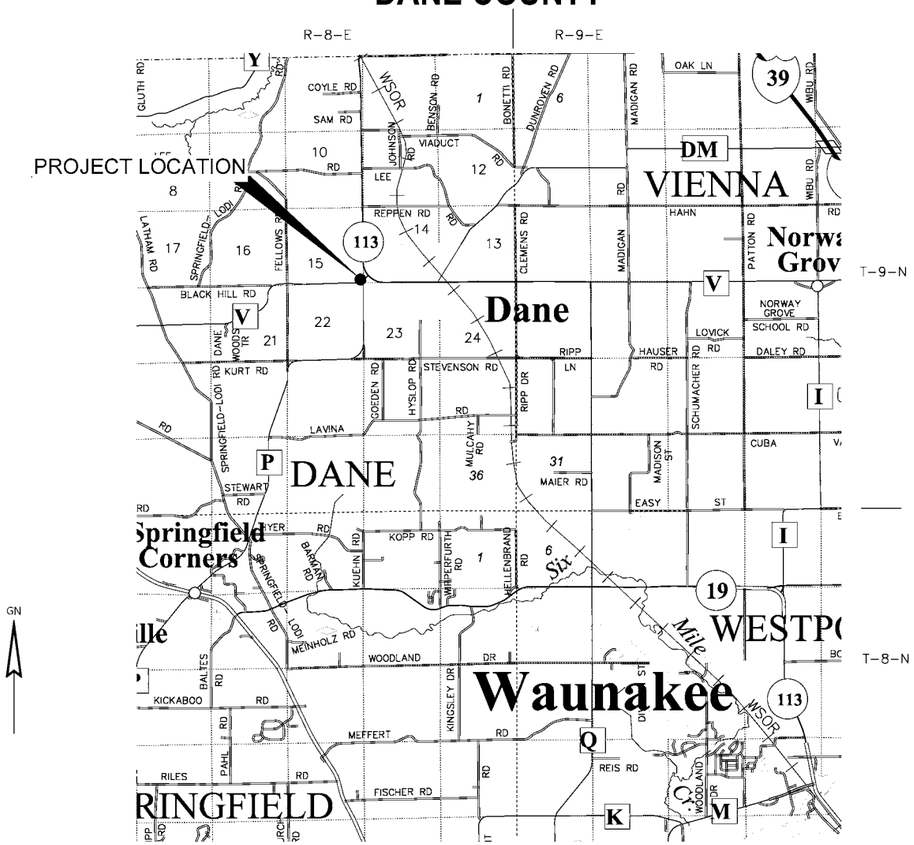
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W	WATER
G	GAS
T	TELEPHONE
OH	OVERHEAD TRANSMISSION LINES
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
SAN	SANITARY SEWER
SS	STORM SEWER



THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5280-01-23

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83(2011) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON, WI.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON DETAIL SHEETS.

PROJECT NUMBER 5280-01-23 - 4.01
SHEET 2 OF 2
AMENDMENT NO:

FILE NAME : G:\00\00093\00093520\CADD\RW\5280-01-03 STH 113 TPP_TITLE.DWG
LAYOUT NAME: TPP Title 34x22
PLOT DATE : 2/21/2020 7:59 PM
PLOT BY : KEVIN LORD
PLOT NAME : _____
APPRAISAL PLAT DATE : January 11, 2021
5280-01-23 4.01

4

TRANSPORTATION PROJECT PLAT NO: 5280-01-23 - 4.01

THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 14 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 15 ALL IN T9N, R8E, IN THE TOWN OF DANE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: STH 113 MADISON-LODI, (CTH P/CTH V INTERSECTION) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG ROUTE HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5280-01-21 AND 5280-00-22.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83(2011) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON, WI.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN DANE COUNTY, AS SHEET 2 OF 2 OF THIS DOCUMENT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
PREVIOUS PROJECTS 5280-01-21, 5280-00-22 AND CSM #9014

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
1	BRIAN K. SCHMIDT	FEE	1.513	--	1.513	--
2	SCHMITT LIVING TRUST	FEE	0.203	--	0.203	--

TOWN

EXISTING IRON	STATION	OFFSET
1107	51+25.94P	120.52' LT
1110	52+49.91P	60.18' LT
1111	53+99.96P	90.28' LT
1112	198+99.45	150.29' LT
1113	201+99.29	50.14' LT

ALIGNMENT INFORMATION STH 113

BP = STA 177+78.64
Y = 546,905.873
X = 786,885.485

DA = S89°54'46"W

PI = STA 199+99.58 (CURVE 1)
Y = 546,902.487
X = 784,664.544
Δ = 90°08'28" RT
D = 4°00'00"
T = 1435.92'
L = 2253.52'
R = 1432.39'
LCH = 2028.20'
LCB = N45°01'00"W
PC = 185+63.66
Y = 546,904.676
X = 786,100.466
PT = 208+17.18
Y = 548,338.410
X = 784,665.893

DA = N00°03'14"E

ALIGNMENT INFORMATION CTH P

BP = STA 46+00.02P
Y = 546,502.917
X = 784,663.180

DA = N00°06'46"E

PI = STA 52+03.42P (CURVE 2)
Y = 547,106.314
X = 784,664.367
Δ = 49°18'07" RT
D = 5°45'00"
T = 457.28'
L = 857.42'
R = 996.45'
LCH = 831.22'
LCB = N24°45'49"E
PC = 47+46.14P
Y = 546,649.032
X = 784,663.467
PT = 56+03.56P
Y = 547,403.813
X = 785,011.644

DA = N49°24'53"E

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
80	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

EASEMENT TABLE

UTILITY NUMBER	OWNER(S)	RECORDING INFORMATION	R/W PARCEL
80	GENERAL TELEPHONE COMPANY OF WISCONSIN	DOC. #1474363	1
80	GENERAL TELEPHONE COMPANY OF WISCONSIN	VOL. 29858, PG. 49, DOC. #2676153	1, 2
80	GENERAL TELEPHONE COMPANY OF WISCONSIN	VOL. 30176P, PG. 31, DOC. #2685181	2

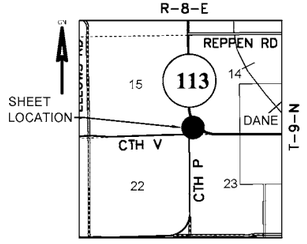
COURSE	BEARING	DISTANCE
101-102	N07°07'20"E	45.35'
106-107	N00°00'50"W	39.04'
107-108	N76°02'48"E	63.48'
108-109	N76°02'48"E	69.90' (70')
113-114	S41°20'45"W	84.62' (85')
114-115	S41°20'45"W	70.44' (70')
116-117	S65°43'09"W (N65°19'06"E)	49.68'

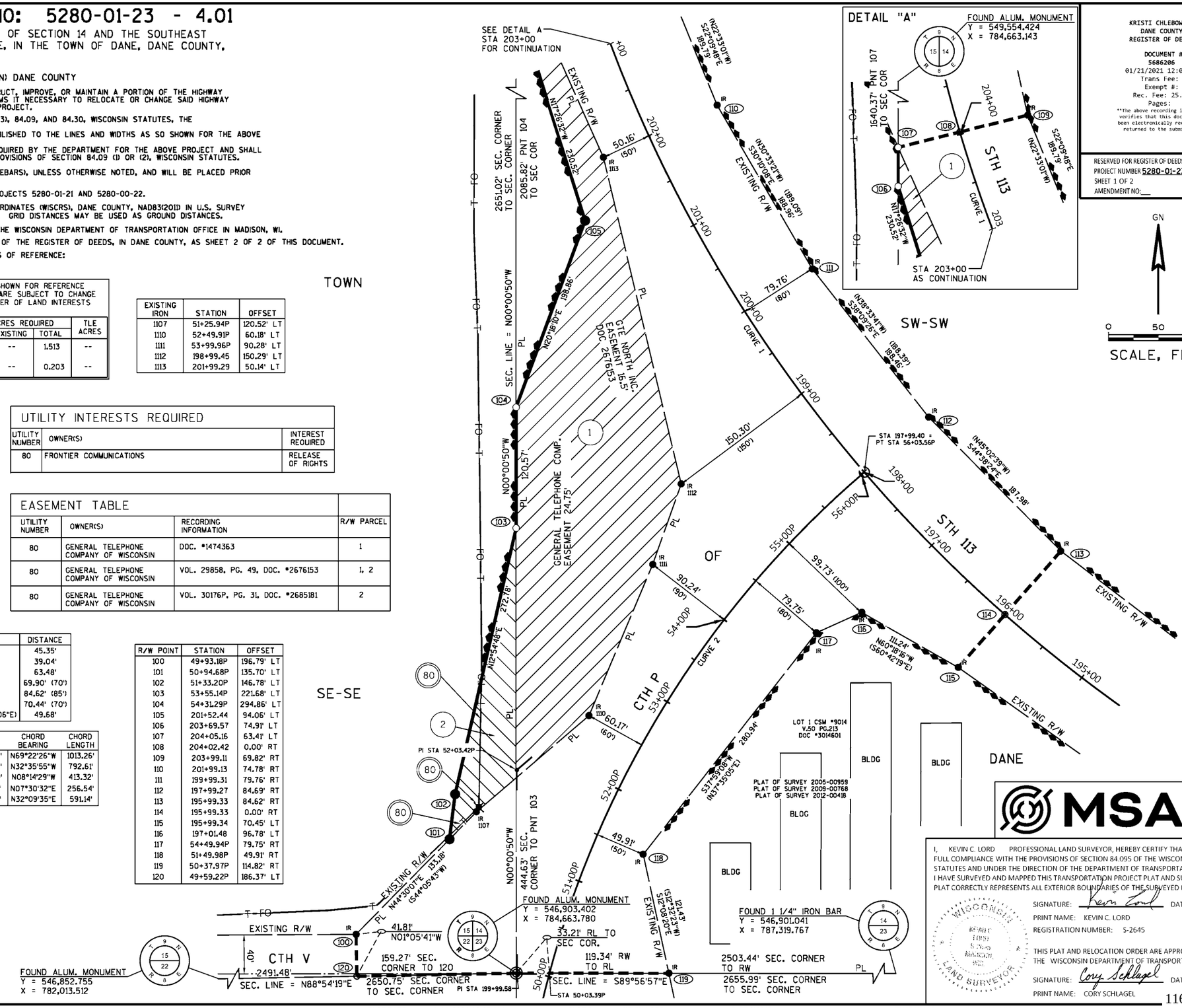
R/W POINT	STATION	OFFSET
100	49+93.18P	196.79' LT
101	50+94.68P	135.70' LT
102	51+33.20P	146.78' LT
103	53+55.14P	221.68' LT
104	54+31.29P	294.86' LT
105	201+52.44	94.06' LT
106	203+69.57	74.91' LT
107	204+05.16	63.41' LT
108	204+02.42	0.00' RT
109	203+99.11	69.82' RT
110	201+99.13	74.78' RT
111	199+99.31	79.76' RT
112	197+99.27	84.69' RT
113	195+99.33	84.62' RT
114	195+99.33	0.00' RT
115	195+99.34	70.45' LT
116	197+01.48	96.78' LT
117	54+49.94P	79.75' RT
118	51+49.98P	49.91' RT
119	50+37.97P	114.82' RT
120	49+59.22P	186.37' LT

CURVE INFORMATION

CURVE	Δ	TANGENT	LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
PC 185+63.66 TO 195+99.33	41°25'37" RT	541.64'	1035.67'	1432.39'	N69°22'26"W	1013.26'
195+99.33 TO 204+02.42	32°07'25" RT	412.40'	803.08'	1432.39'	N32°35'55"W	792.61'
204+02.42 TO PT 208+17.18	16°35'26" RT	208.84'	414.76'	1432.39'	N08°14'29"W	413.32'
PC 47+46.14P TO SEC LINE 50+03.39	14°47'32" RT	129.35'	257.25'	996.45'	N07°30'32"E	256.54'
SEC LINE 50+03.39 TO PT 56+03.56P	34°30'35" RT	309.50'	600.17'	996.45'	N32°09'35"E	591.14'

PROJECT LOCATION (NOT TO SCALE)
R-8-E





KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5686206
01/21/2021 12:03 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5280-01-23 4.01
SHEET 1 OF 2
AMENDMENT NO:___

MSA

I, KEVIN C. LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin Lord DATE: 01/11/21
PRINT NAME: KEVIN C. LORD
REGISTRATION NUMBER: S-2645

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
SIGNATURE: Cory Schlagel DATE: 1/14/2021
PRINT NAME: CORY SCHLAGEL

WISCONSIN KEVIN C. LORD S-2645 LAND SURVEYOR

TRANSPORTATION PROJECT PLAT NO: 5280-01-23 - 4.02

THAT PART OF LOT 1 OF CSM 1782, VOL. 7, PAGE 182 AND THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 15 ALL IN T9N, R8E, IN THE TOWN OF DANE, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: STH 113 MADISON-LODI, (CTH P/CTH V INTERSECTION) DANE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING ACCESS CONTROL ALONG ROUTE HAS BEEN ESTABLISHED FROM PREVIOUS PROJECTS 5280-01-21 AND 5280-00-22.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83(2011) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN MADISON, WI.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN DANE COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #5686206.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECTS 5280-01-21 AND 5280-00-22 AND CSM 1782.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED			TLE ACRES
			NEW	EXISTING	TOTAL	
2	SCHMITT LIVING TRUST	TLE	--	--	--	0.011
3	JERRY A. RIPP	FEE/TLE	0.041	--	0.041	0.084
4	DOUGLAS M. BIRKETT	FEE/TLE	0.030	--	0.030	0.049
5	RIPP BROS., LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	0.032	--	0.032	0.012

CURVE INFORMATION

CURVE	Δ	TANGENT	LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
185+63.66 TO PT 205+99.08	81°25'02" RT	1232.42'	2035.42'	1432.39'	N49°22'44"W	1868.44'
205+99.08 TO PT 208+17.18	08°43'26" RT	109.26'	218.10'	1432.39'	N04°18'29"W	217.89'

ALIGNMENT INFORMATION STH 113

BP = STA 177+78.64
Y = 546,905.873
X = 786,885.485

DA = S89°54'46"W

PI = STA 199+99.58 (CURVE 1)
Y = 546,902.487
X = 784,664.544
Δ = 90°08'28" RT
D = 4°00'00"
T = 1435.92'
L = 2253.52'
R = 1432.39'
LCH = 2028.20'
LCB = N45°01'00"W
PC = 185+63.66
Y = 546,904.676
X = 786,100.466
PT = 208+17.18
Y = 548,338.410
X = 784,665.893

DA = N00°03'14"E

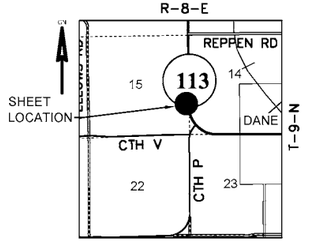
TLE POINT	STATION	OFFSET
T50	206+60.69	57.50' LT
T51	206+72.68	67.61' LT
T52	208+47.83	59.84' LT
T53	208+98.93	64.99' LT
T54	211+46.69	71.60' LT
T55	212+90.28	90.06' LT
T56	213+22.39	90.05' LT
T57	213+22.37	119.08' LT
T58	214+00.58	119.14' LT

R/W POINT	STATION	OFFSET
200	206+06.27	62.89' LT
201	206+99.22	55.00' LT
202	207+99.23	50.00' LT
203	208+99.25	60.00' LT
204	211+47.07	66.61' LT
205	212+90.60	85.06' LT
206	214+00.60	85.12' LT
207	215+06.17	62.54' LT
208	215+06.17	0.00' RT
209	215+05.78	59.04' RT
210	208+99.25	55.00' RT
211	207+98.47	54.99' RT
212	205+99.08	69.86' RT
213	205+99.08	0.00' RT

EXISTING IRON	STATION	OFFSET
1115	207+10.52	52.88' LT
1116	208+17.31	51.65' LT
1117	208+17.29	50.09' RT
1164	211+99.37	67.75' LT

COURSE	BEARING	DISTANCE
200-201	N01°51'57"W	97.08'
201-202	N00°05'52"E	103.77'
202-203	N05°41'16"W (N05°40'01"W)	101.15' (101.14')
203-204	N01°28'25"W	247.91'
204-205	N07°16'15"W	144.71'
205-206	N00°01'10"E	110.00'
206-207	N12°07'33"E	107.96'
207-SEC LINE	S89°56'46"E	59.28'
SEC LINE-208	S89°56'46"E	3.27'
208-209	S89°33'51"E	59.04'
209-210	S00°26'09"W	606.54'
210-211	S00°00'33"E (N00°00'42"E)	100.06' (99.31')
211-212	S09°08'03"E (N09°31'16"W)	191.12' (191.70')
212-213	S81°19'47"W	69.86'
213-SEC LINE	S88°08'03"W	18.78'
SEC LINE-200	S88°08'03"W	44.53'

PROJECT LOCATION (NOT TO SCALE)
R-8-E

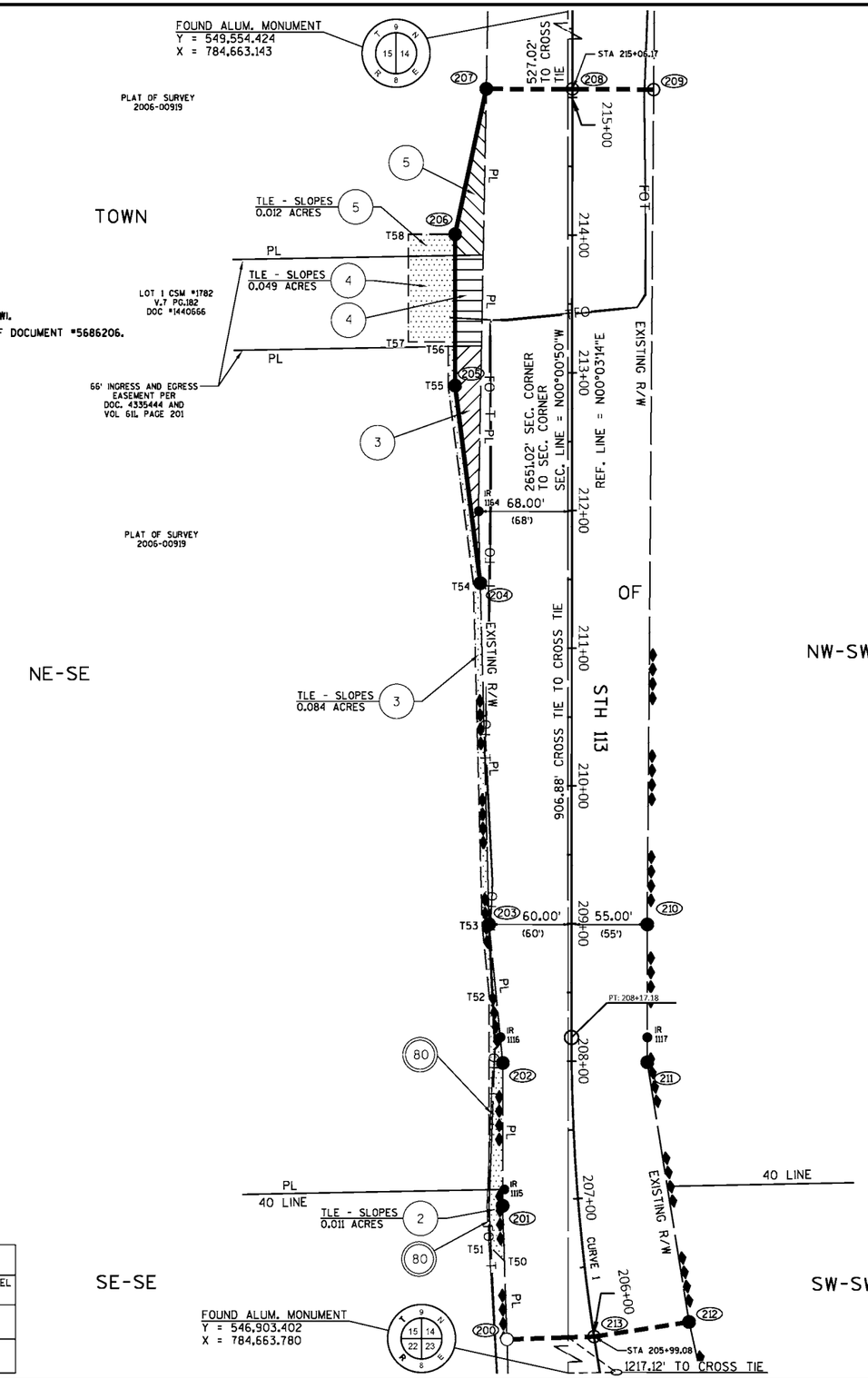


UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
80	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS

EASEMENT TABLE

UTILITY NUMBER	OWNER(S)	RECORDING INFORMATION	R/W PARCEL
80	GENERAL TELEPHONE COMPANY OF WISCONSIN	VOL. 29858, PG. 49, DOC. #2676153	2
80	GENERAL TELEPHONE COMPANY OF WISCONSIN	VOL. 29890, PG. 34, DOC. #2677039	3



KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5688098
01/26/2021 12:53 PM
Trans Fee:
Exempt #:
Rec. Fee: 25.00
Pages:
The above recording information verifies that this document has been electronically recorded and returned to the submitter.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 5280-01-23 4.02
SHEET 1 OF 1
AMENDMENT NO:___

GN

0 50 100
SCALE, FEET

MSA

I, KEVIN C. LORD PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kevin Lord DATE: 01/21/21
PRINT NAME: KEVIN C. LORD
REGISTRATION NUMBER: S-2645

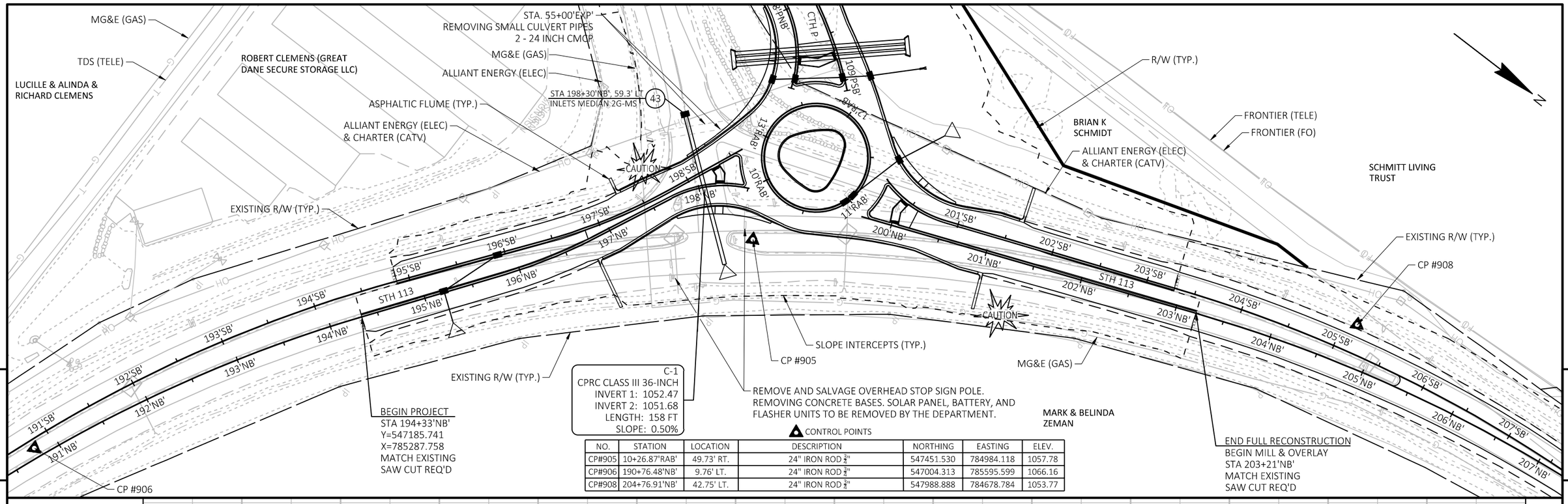
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

SIGNATURE: Cory Schlagel DATE: 1/25/2021
PRINT NAME: CORY SCHLAGEL

WISCONSIN KEVIN C. LORD S-2645 MADISON, WI LAND SURVEYOR

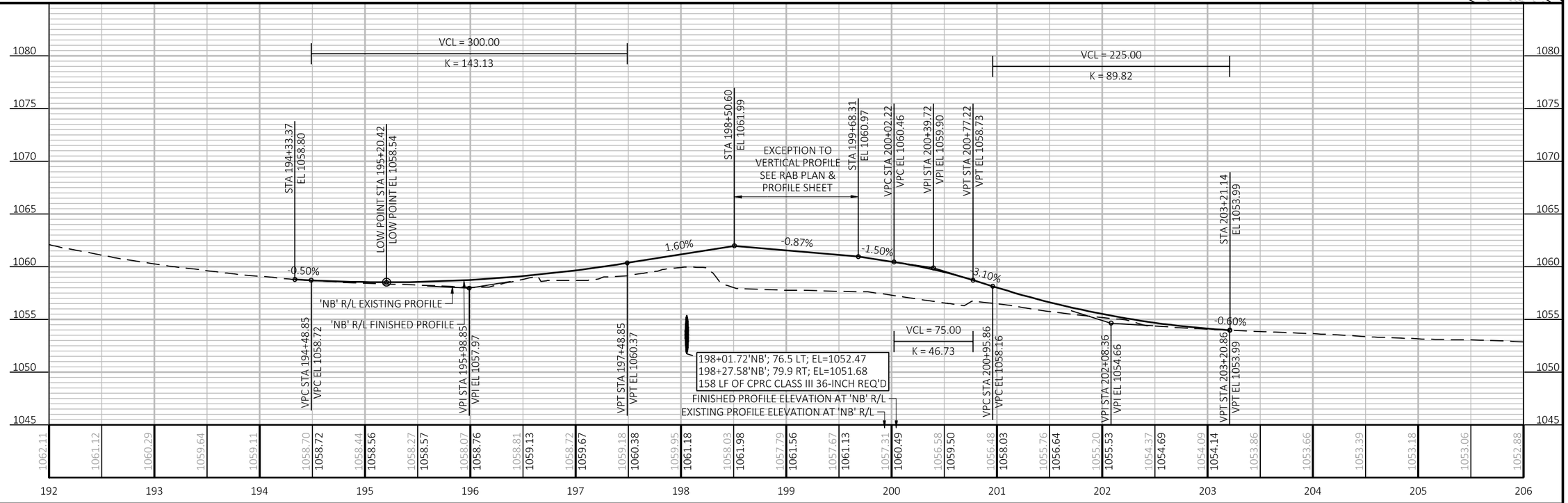
FILE NAME : G:\00\00093\00093520\CADD\RW\5280-01-03 STH 113-CTH P TPP.DWG
APPRAISAL PLAT DATE : January 11, 2021
PLOT DATE : 1/21/2021 3:35 PM PLOT BY : KEVIN LORD PLOT NAME : PLOT SCALE : ##########

5280-01-23 4.02

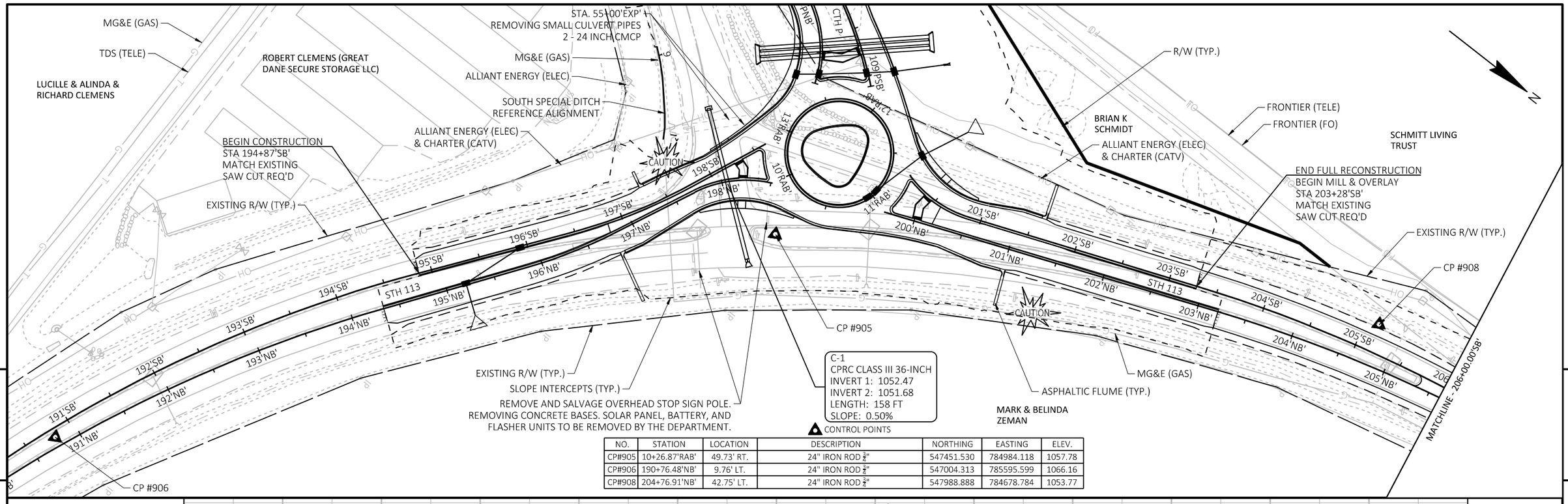


CONTROL POINTS

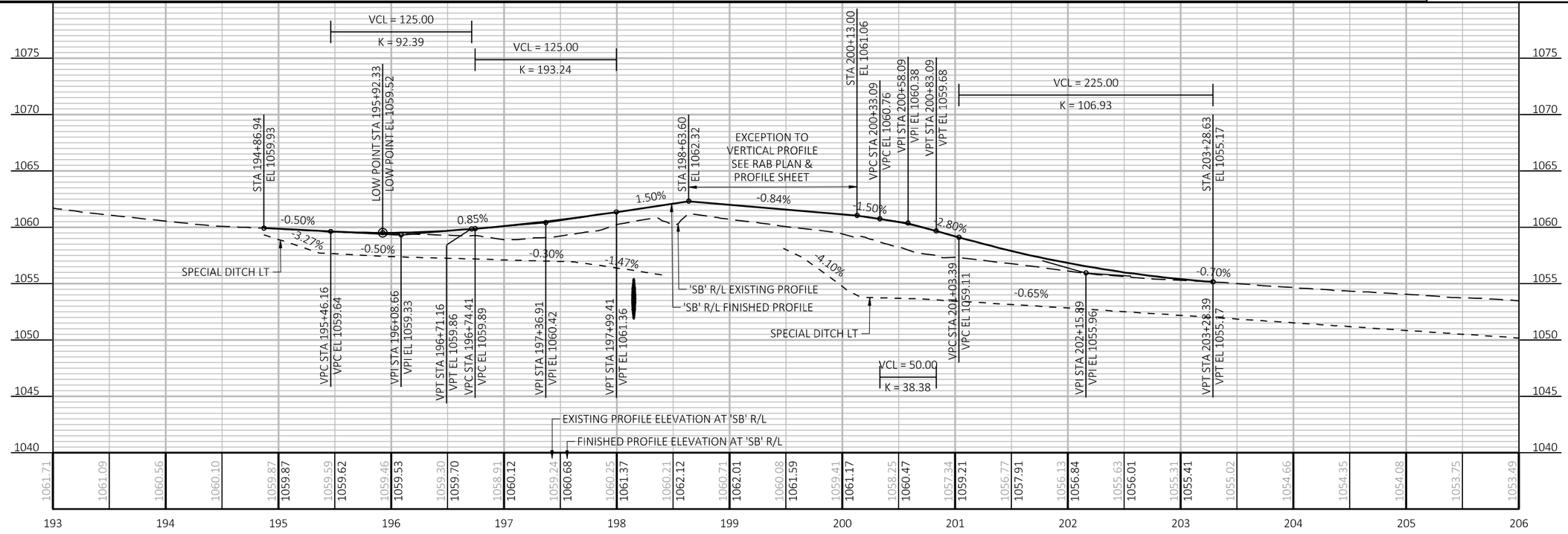
NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD ¾"	547451.530	784984.118	1057.78
CP#906	190+76.48'NB'	9.76' LT.	24" IRON ROD ¾"	547004.313	785595.599	1066.16
CP#908	204+76.91'NB'	42.75' LT.	24" IRON ROD ¾"	547988.888	784678.784	1053.77



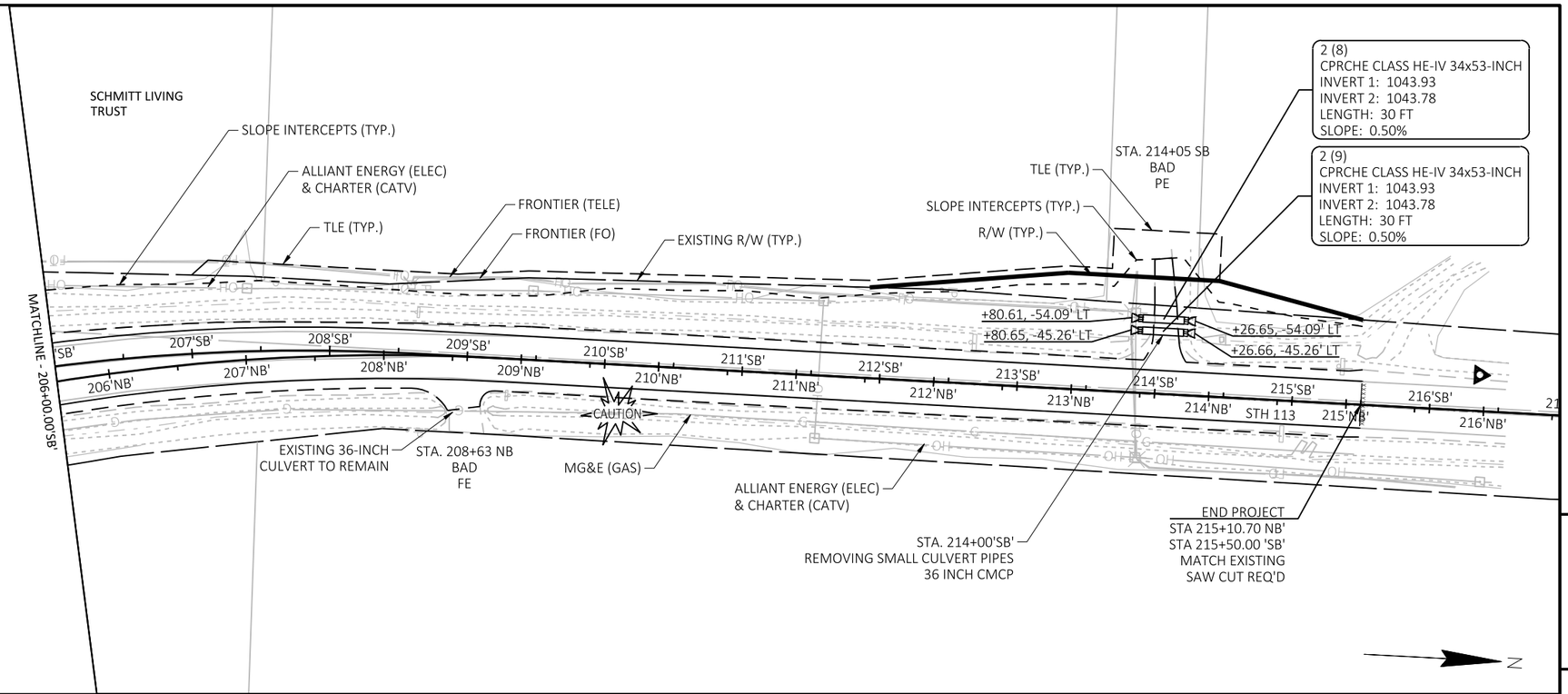
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: STH 113 NB	SHEET 118	E

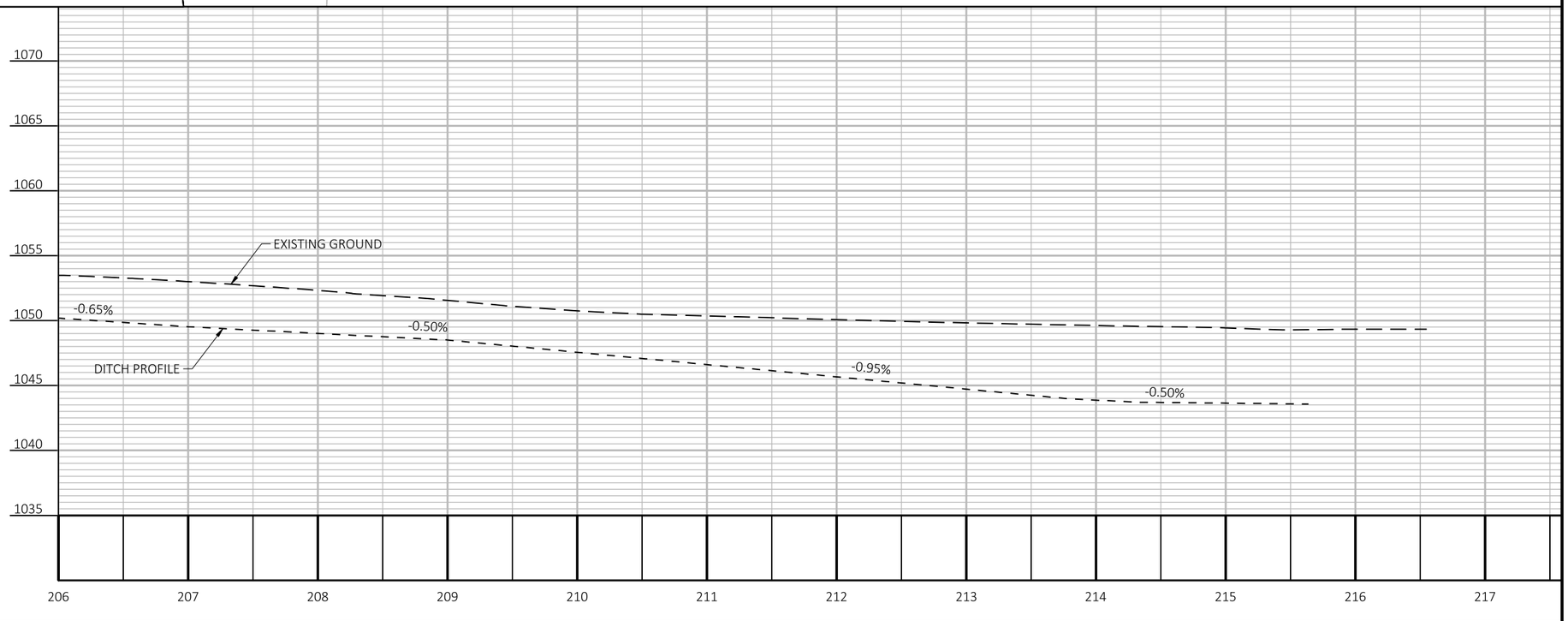


NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD ¾"	547451.530	784984.118	1057.78
CP#906	190+76.48'NB'	9.76' LT.	24" IRON ROD ¾"	547004.313	785595.599	1066.16
CP#908	204+76.91'NB'	42.75' LT.	24" IRON ROD ¾"	547988.888	784678.784	1053.77



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: STH 113 SB	SHEET 119	E





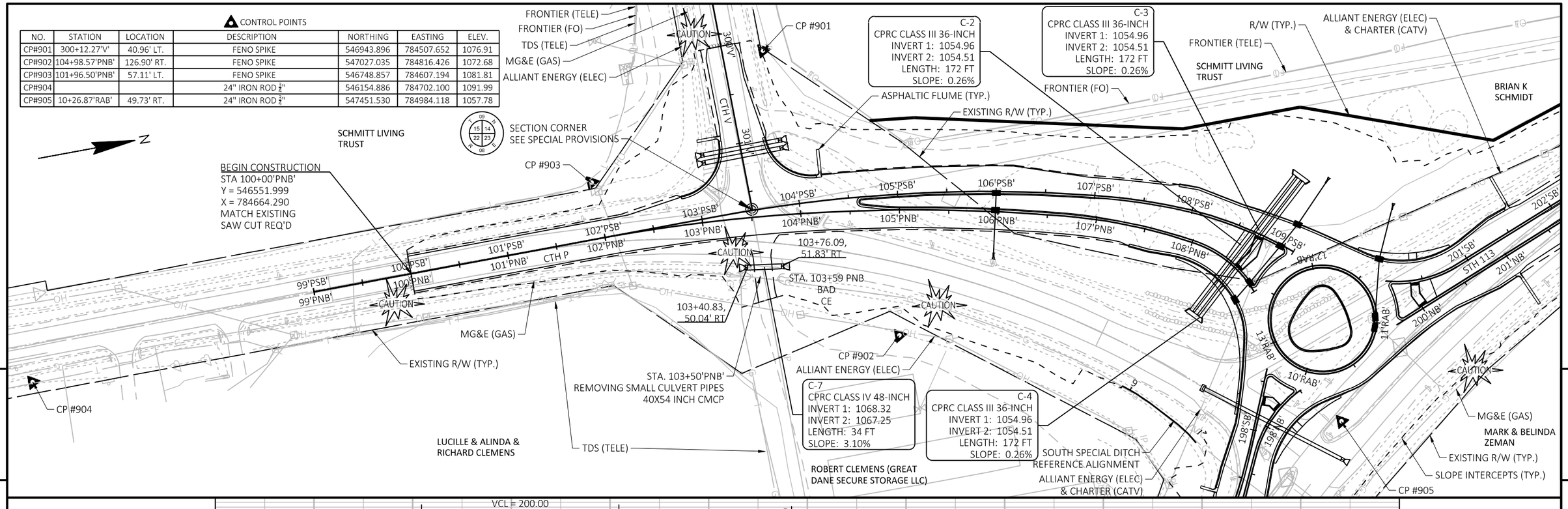
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: STH 113 SB	SHEET 120	E

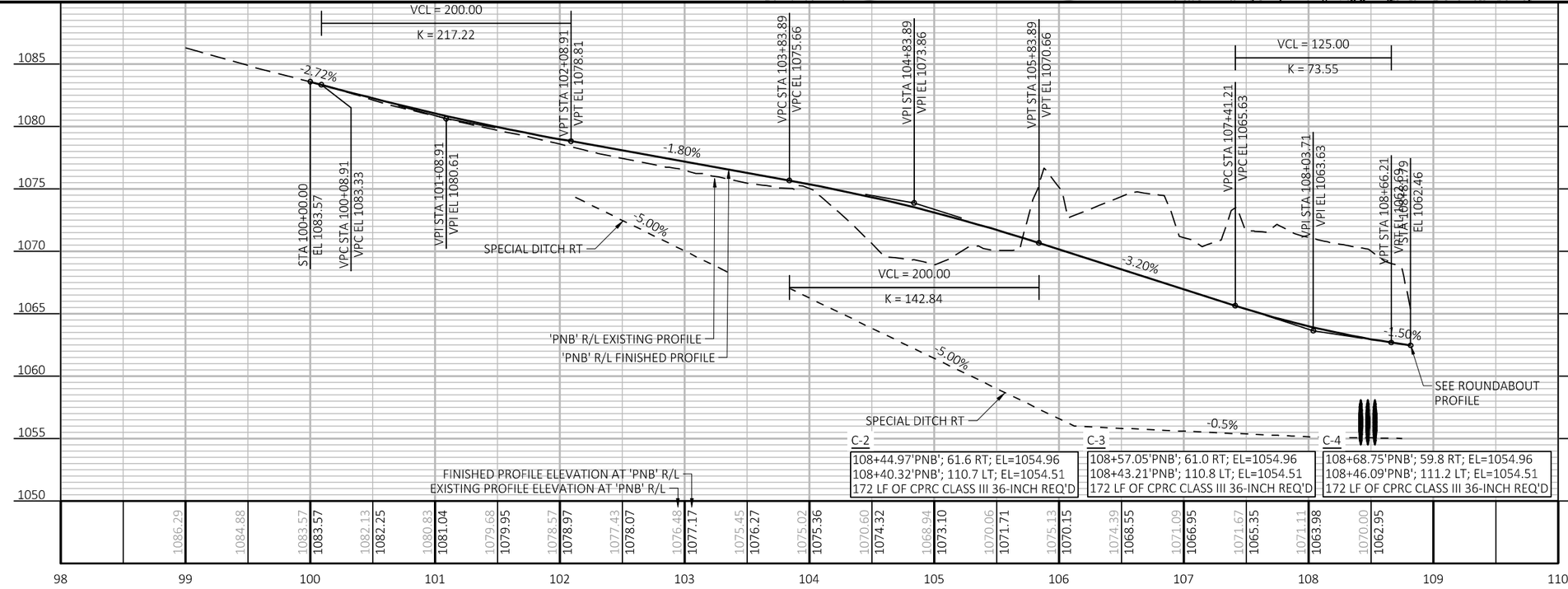
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\050102-PP-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 050103-pp-113 SB

PLOT DATE : 10/27/2022 4:18 PM PLOT BY : AMANDA DEAMICO PLOT NAME : PLOT SCALE : ############

CONTROL POINTS

NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#901	300+12.27'V'	40.96' LT.	FENO SPIKE	546943.896	784507.652	1076.91
CP#902	104+98.57'PNB'	126.90' RT.	FENO SPIKE	547027.035	784816.426	1072.68
CP#903	101+96.50'PNB'	57.11' LT.	FENO SPIKE	546748.857	784607.194	1081.81
CP#904			24" IRON ROD ¾"	546154.886	784702.100	1091.99
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD ¾"	547451.530	784984.118	1057.78

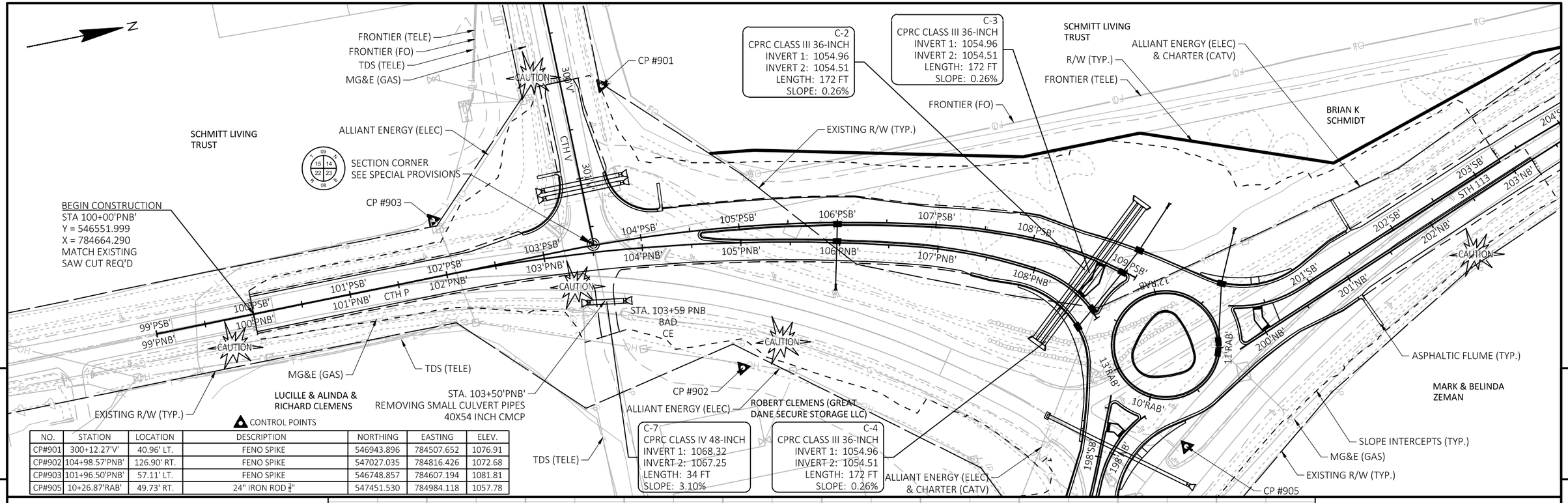




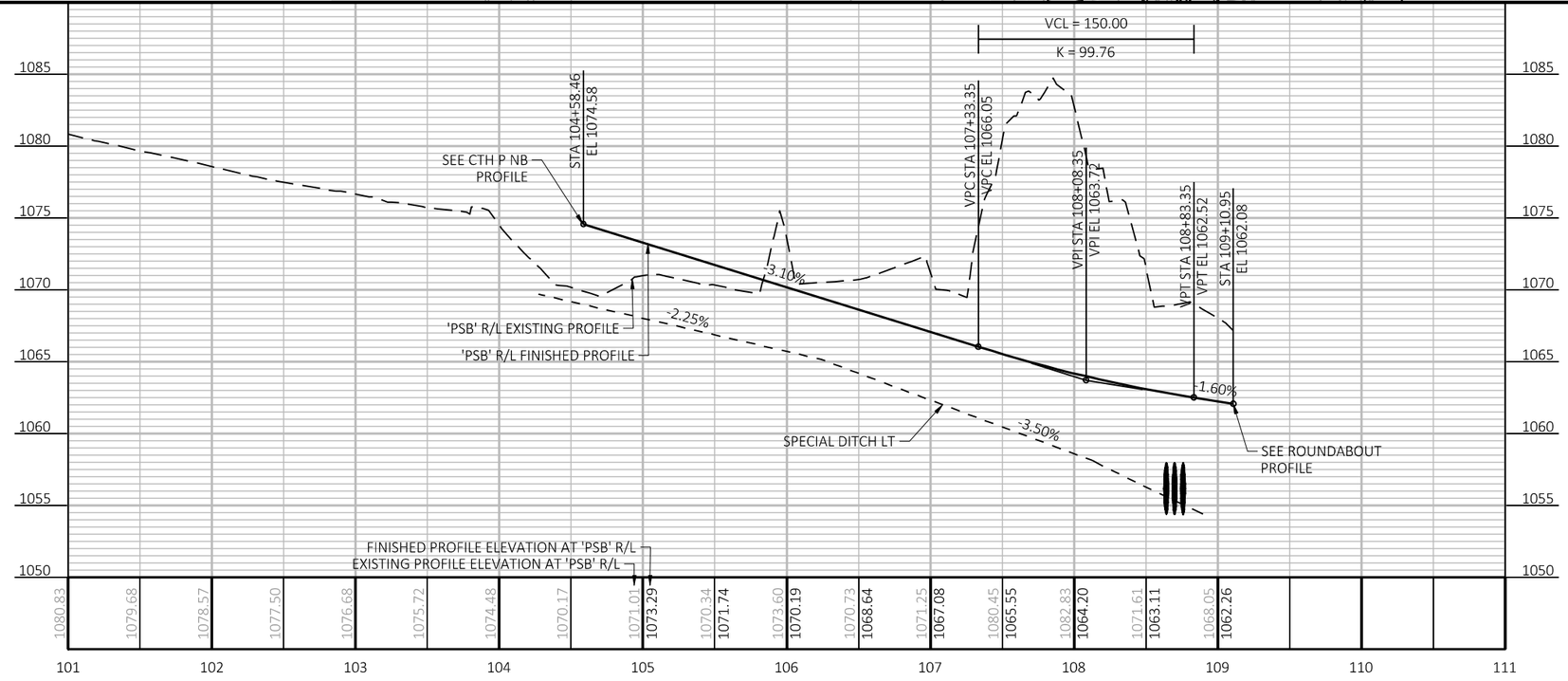
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: CTH P NB	SHEET 121	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\050103-PP-P NB.DWG
LAYOUT NAME - 050103-pp-P NB

PLOT DATE : 9/30/2022 2:35 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:100 FT



NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#901	300+12.27'V'	40.96' LT.	FENO SPIKE	546943.896	784507.652	1076.91
CP#902	104+98.57'PNB'	126.90' RT.	FENO SPIKE	547027.035	784816.426	1072.68
CP#903	101+96.50'PNB'	57.11' LT.	FENO SPIKE	546748.857	784607.194	1081.81
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD $\frac{3}{4}$"	547451.530	784984.118	1057.78



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: CTH P SB	SHEET 122	E

N

CONTROL POINTS

NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#901	300+12.27'V'	40.96' LT.	FENO SPIKE	546943.896	784507.652	1076.91
CP#902	104+98.57'PNB'	126.90' RT.	FENO SPIKE	547027.035	784816.426	1072.68

SCHMITT LIVING TRUST

C-5
CPRC CLASS IV 42-INCH
INVERT 1: 1071.24
INVERT 2: 1070.85
LENGTH: 77 FT
SLOPE: 0.50%

ASPHALTIC FLUME (TYP.)

CP #902

EXISTING R/W (TYP.)

FRONTIER (TELE)
FRONTIER (FO)

STA. 300+68'V' - 300+96'V'
REMOVING SMALL CULVERT PIPES
18 INCH CMCP

CP #901

+04.57, -47.49' LT

+12.68, -47.49' LT

CTH P

104'PSB'

104'PNB'

CAUTION

STA. 301+22'V'
REMOVING SMALL CULVERT PIPES
48 INCH CMCP

ROBERT CLEMENS (GREAT DANE SECURE STORAGE LLC)

SECTION CORNER
SEE SPECIAL PROVISIONS

CTH V

298'V' 299'V' 300'V' 301'V'

STA. 103+59 PNB
BAD
CE

BEGIN CONSTRUCTION
STA 300+00.00'V'
Y = 546902.636
X = 784495.628
MATCH EXISTING
SAW CUT REQ'D

CAUTION

+04.57, 45.99' RT

+12.70, 45.99' RT

103'PSB'

103'PNB'

C-6
CPRC CLASS IV 42-INCH
INVERT 1: 1071.24
INVERT 2: 1070.85
LENGTH: 77 FT
SLOPE: 0.50%

TDS (TELE)

MG&E (GAS)

ALLIANT ENERGY (ELEC)

FRONTIER (TELE)
FRONTIER (FO)
TDS (TELE)

SLOPE INTERCEPTS (TYP.)

SCHMITT LIVING TRUST

ALLIANT ENERGY (ELEC)

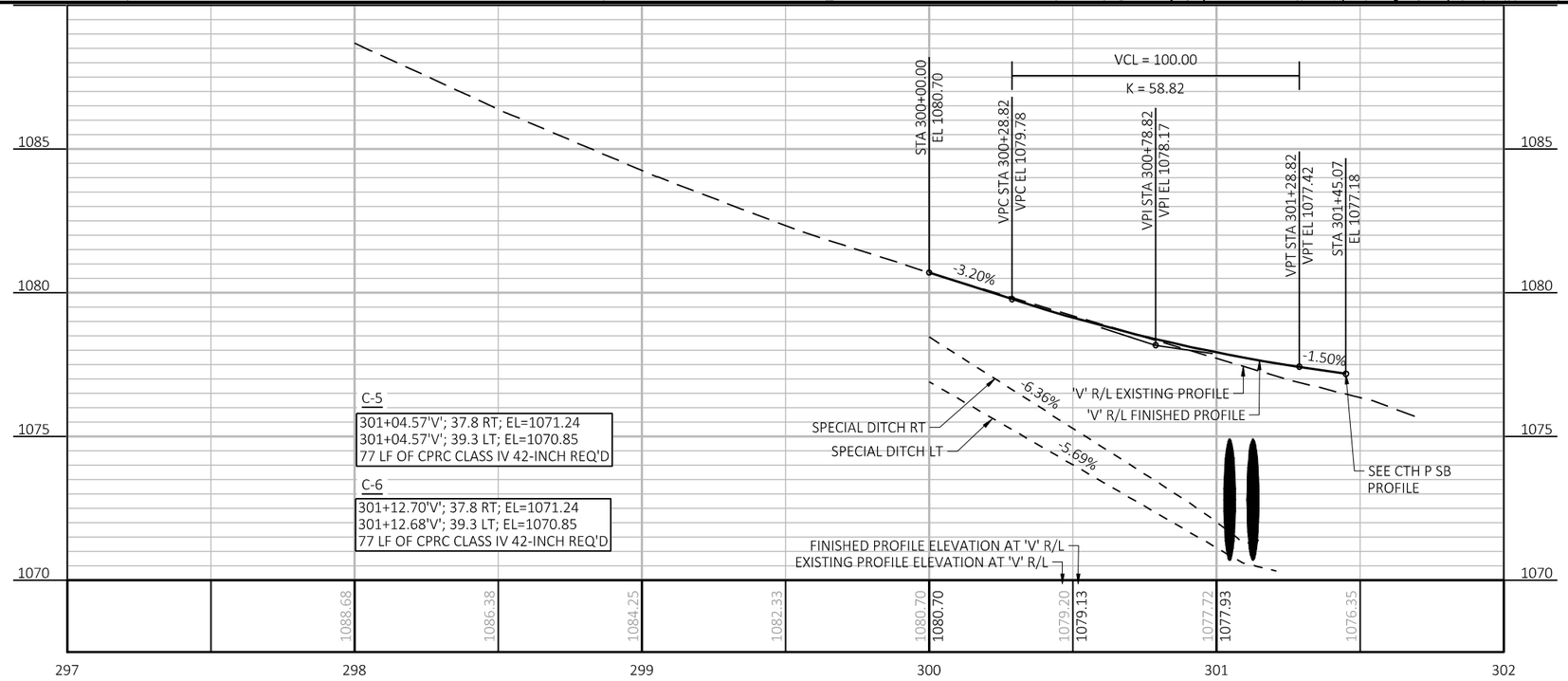
SCHMITT TR

SCHMITT TR

LUCILLE & ALINDA & RICHARD CLEMENS

5

5



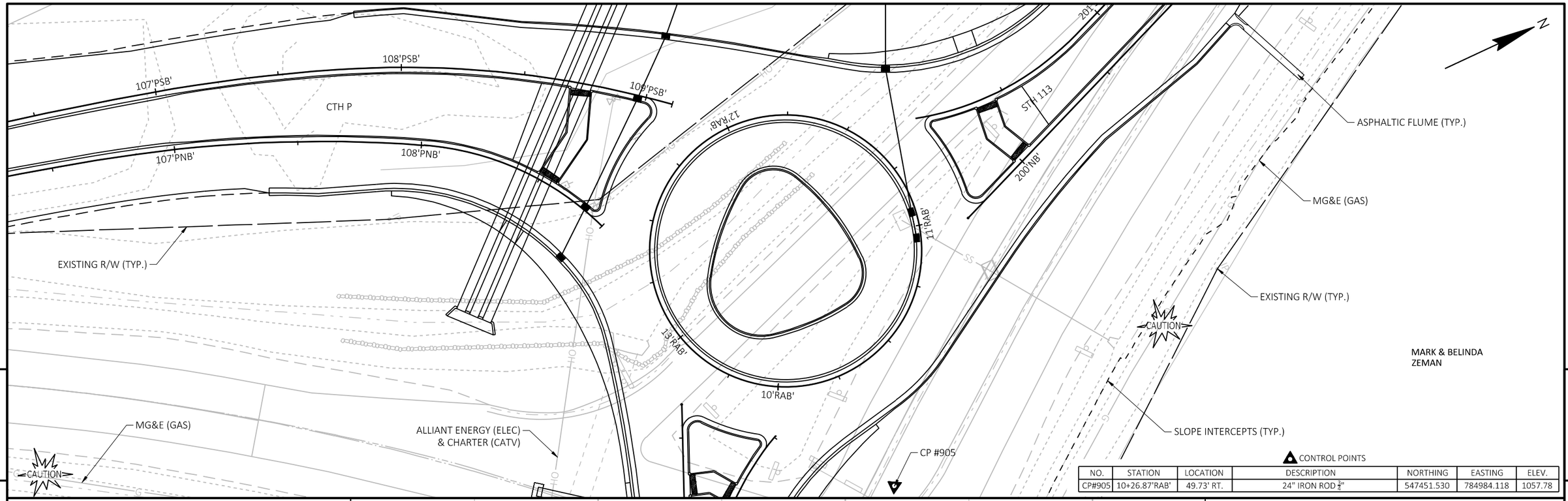
C-5
301+04.57'V'; 37.8 RT; EL=1071.24
301+04.57'V'; 39.3 LT; EL=1070.85
77 LF OF CPRC CLASS IV 42-INCH REQ'D

C-6
301+12.70'V'; 37.8 RT; EL=1071.24
301+12.68'V'; 39.3 LT; EL=1070.85
77 LF OF CPRC CLASS IV 42-INCH REQ'D

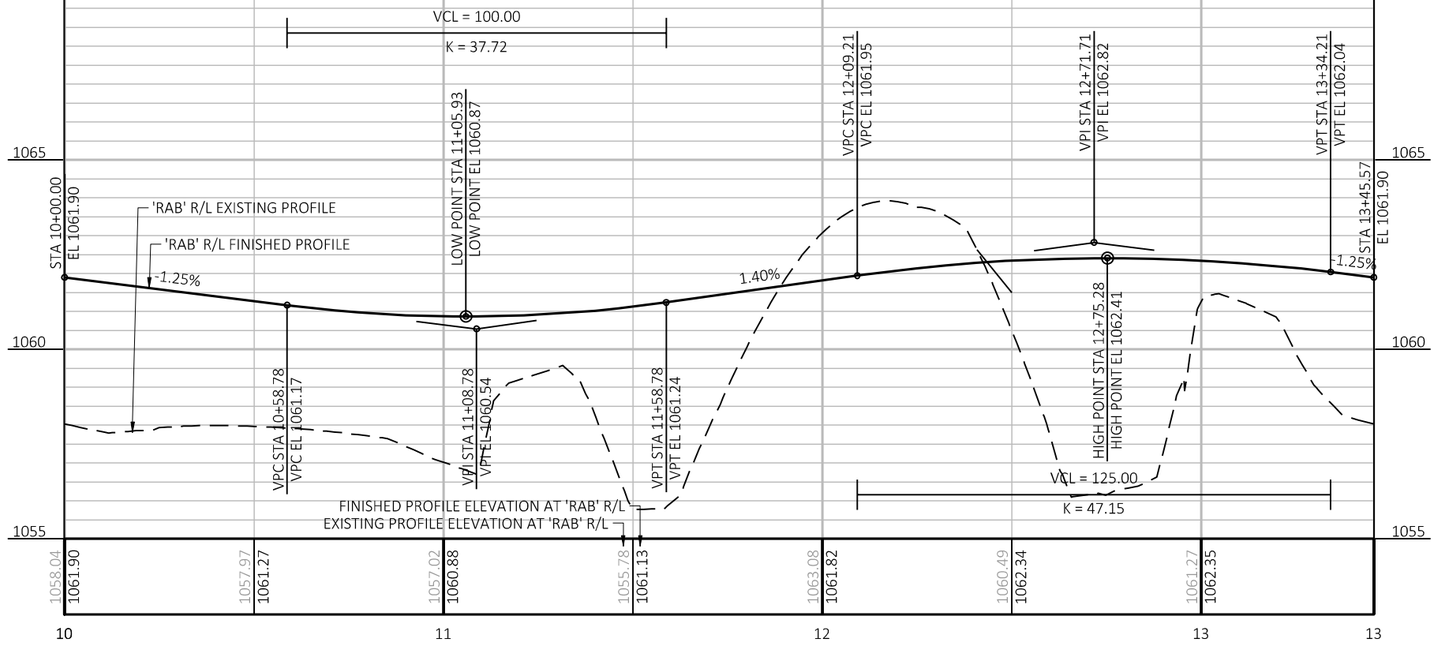
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: CTH V	SHEET 123	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\050105-PP-V.DWG
LAYOUT NAME - 050105-pp-V

PLOT DATE : 9/30/2022 2:39 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:50 FT

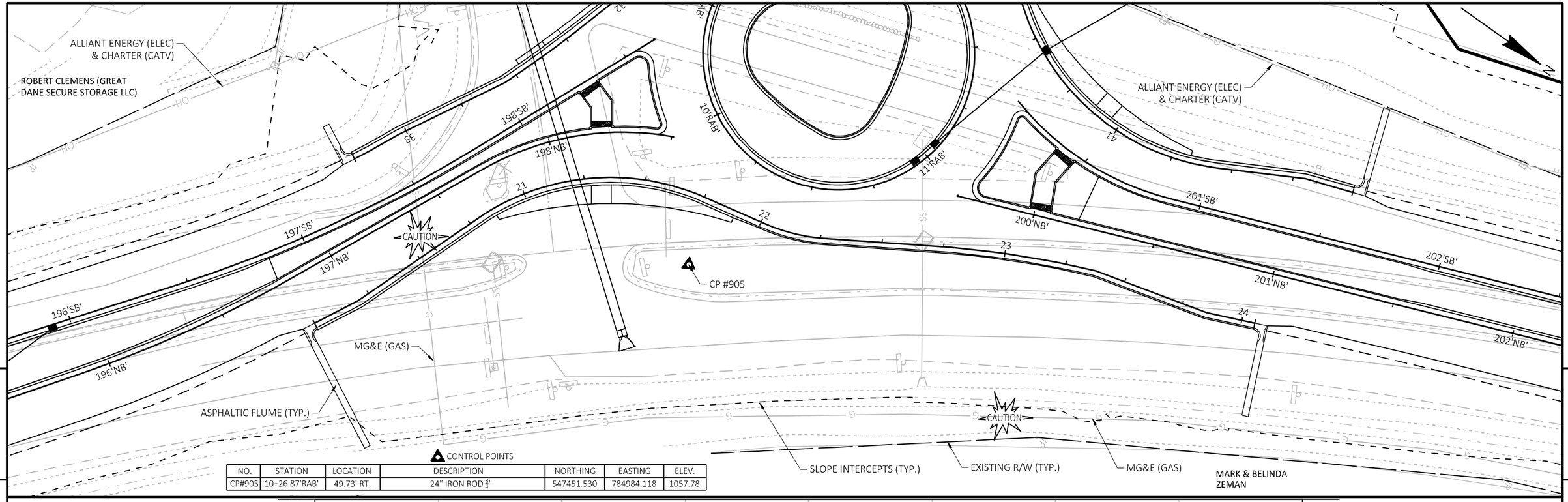


NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD ¾"	547451.530	784984.118	1057.78



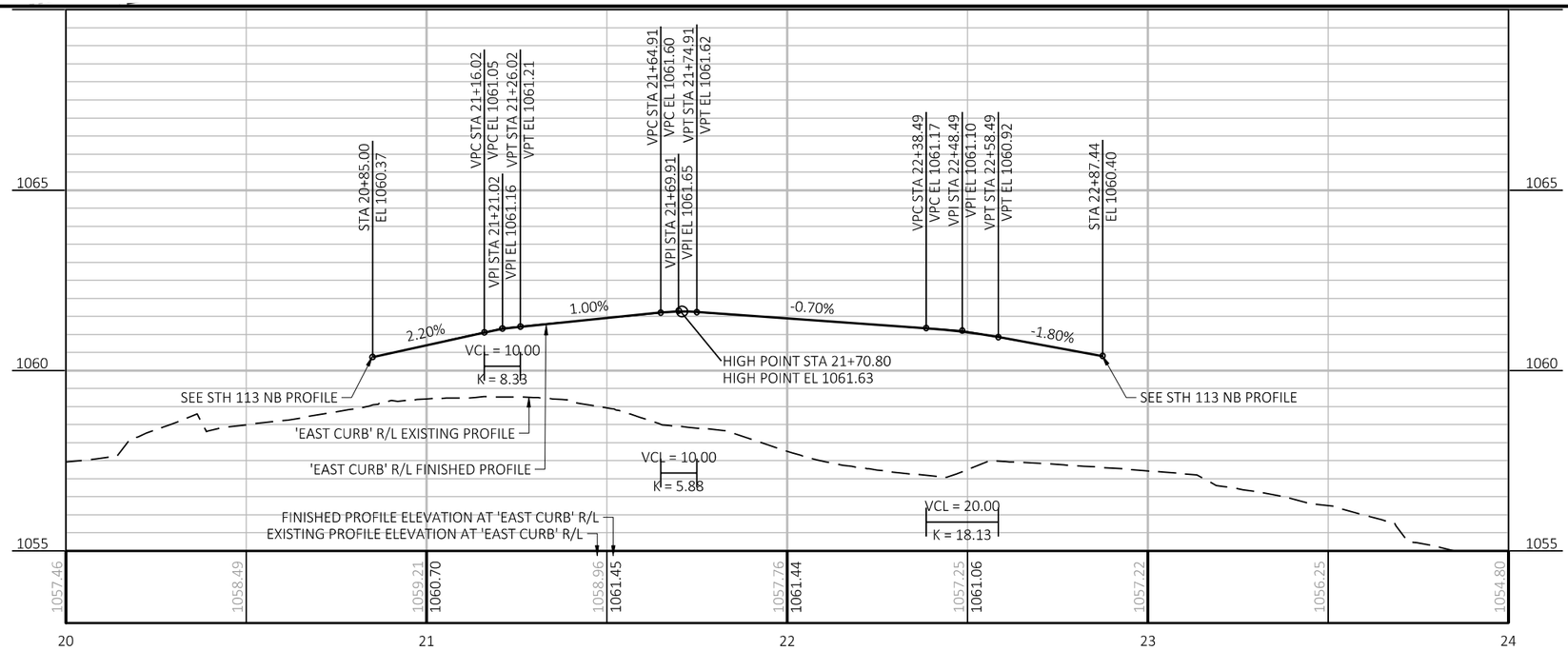
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: RAB	SHEET 124	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\050106-PP-RAB.DWG
LAYOUT NAME - 050106-pp-RAB
PLOT DATE : 9/30/2022 2:41 PM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



CONTROL POINTS

NO.	STATION	LOCATION	DESCRIPTION	NORTHING	EASTING	ELEV.
CP#905	10+26.87'RAB'	49.73' RT.	24" IRON ROD ¾"	547451.530	784984.118	1057.78

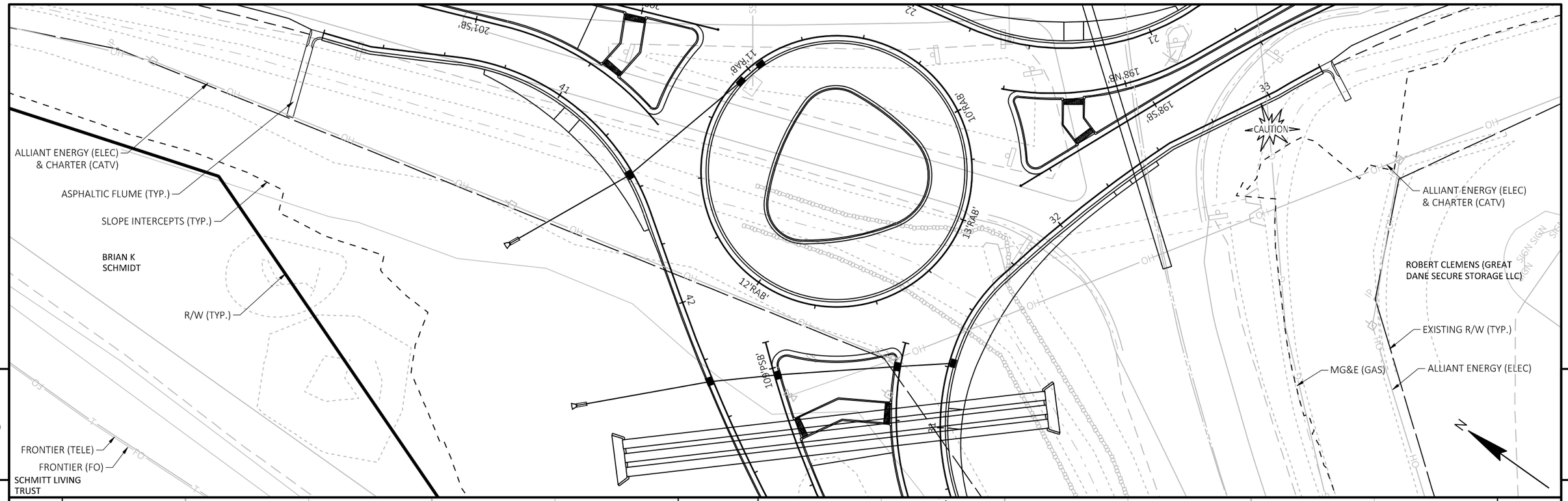


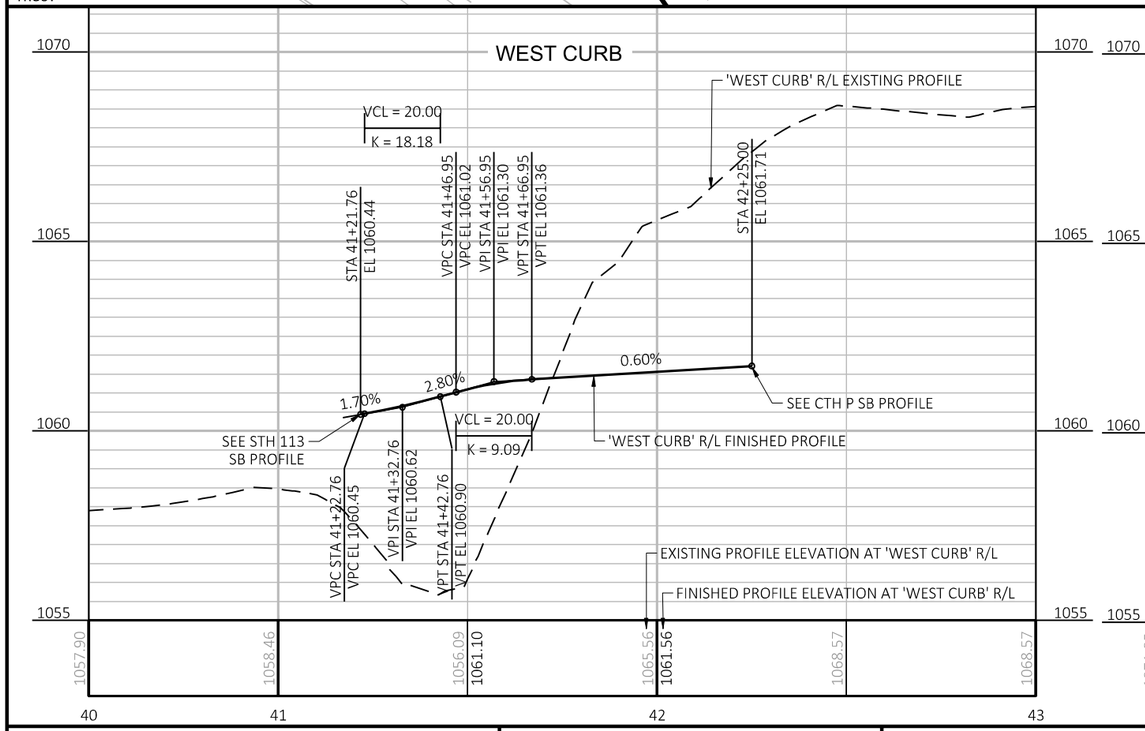
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: EAST CURB	SHEET 125	E

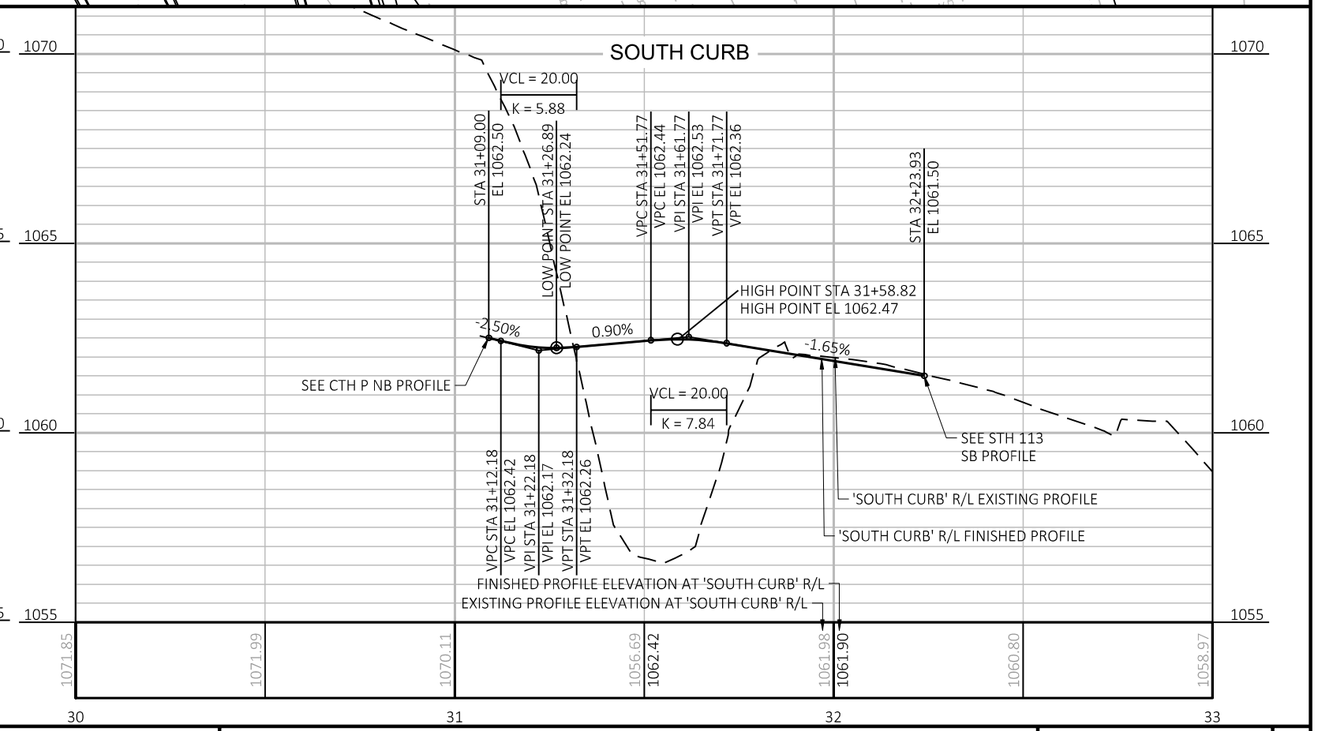
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\050107-PP-EAST CURB.DWG
LAYOUT NAME - 050107-pp-NB CURB

PLOT DATE : 9/30/2022 2:43 PM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44







PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	PLAN AND PROFILE: WEST & SOUTH CURB	SHEET 126	E

Standard Detail Drawing List

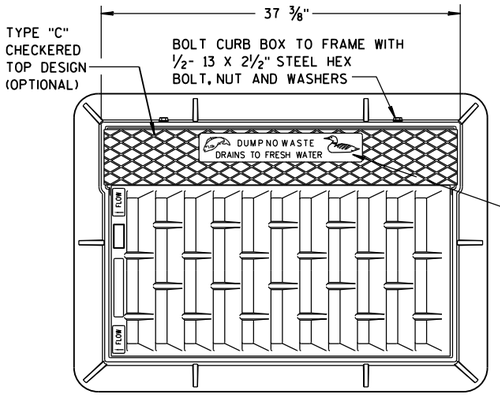
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D15-05A	EDGEDRAIN OUTLET AND OUTFALL MARKERS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F10-02	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-06A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-06C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL

6

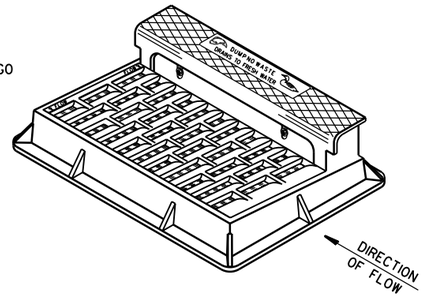
Standard Detail Drawing List

15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

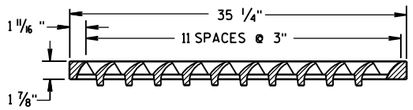
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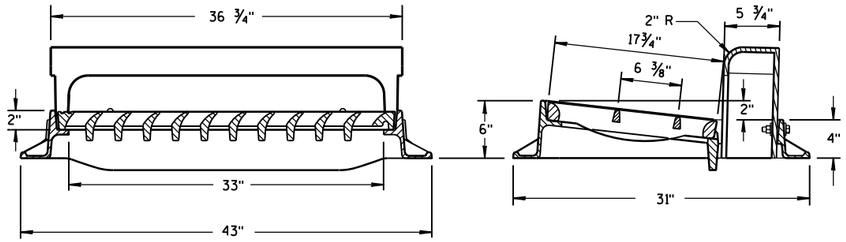


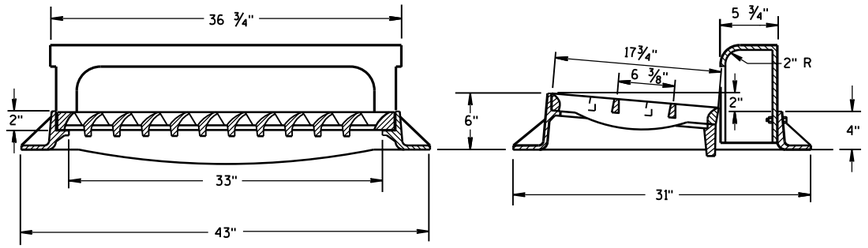
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

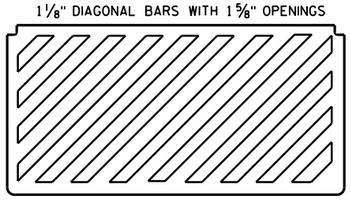






TYPE "H"

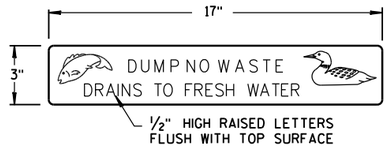
NOTE: EITHER CASTING IS ACCEPTABLE



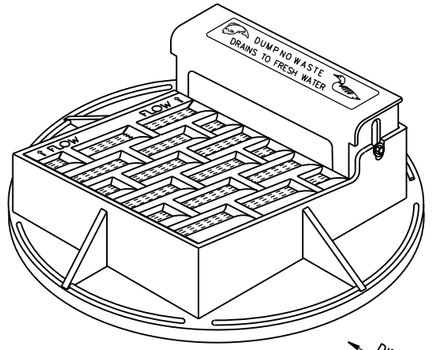
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

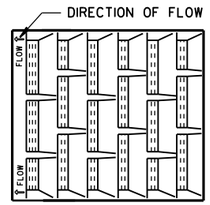
NOTE:
GRATE IS REVERSIBLE.

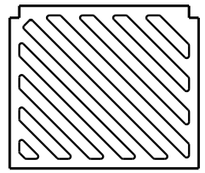
GENERAL NOTES

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.

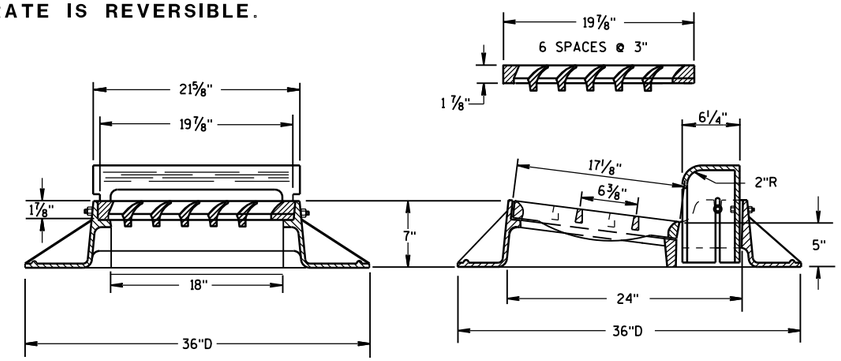




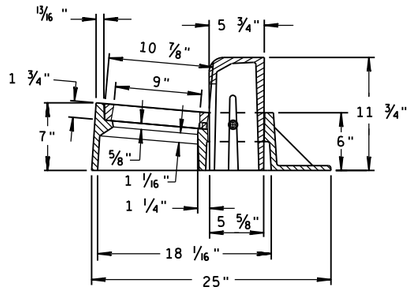
SPECIAL GRATE FOR TYPE "A" COVER

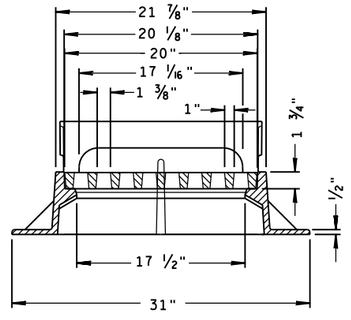
(MEASURES 19 3/4" X 17" X 1 7/8")

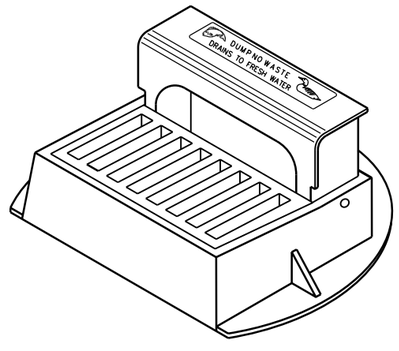
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

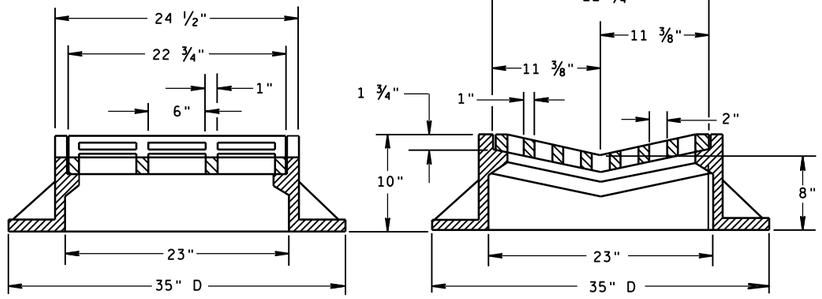
INLET COVERS
TYPE A, H, A-S, H-S & Z

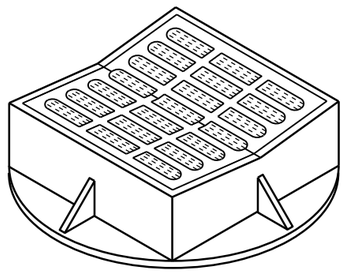
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

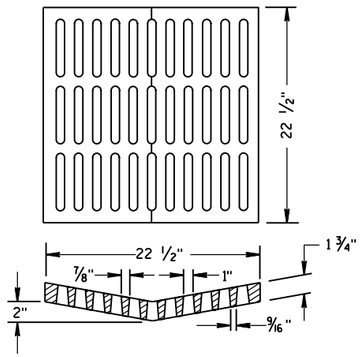
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S.D.D. 8 A 5-19a



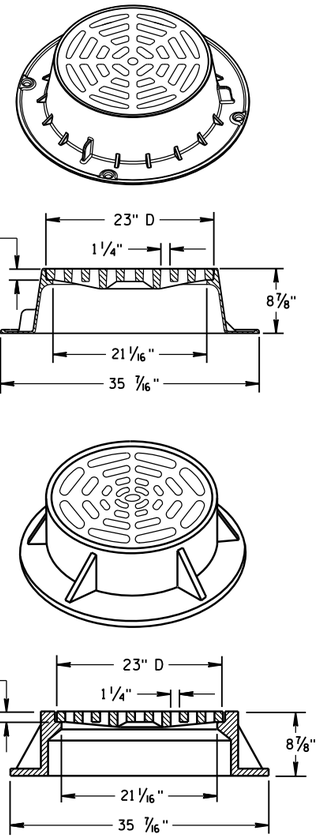


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

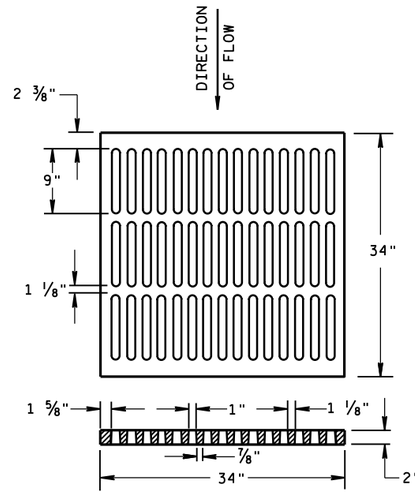
NOTE: EITHER CASTING IS ACCEPTABLE

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.

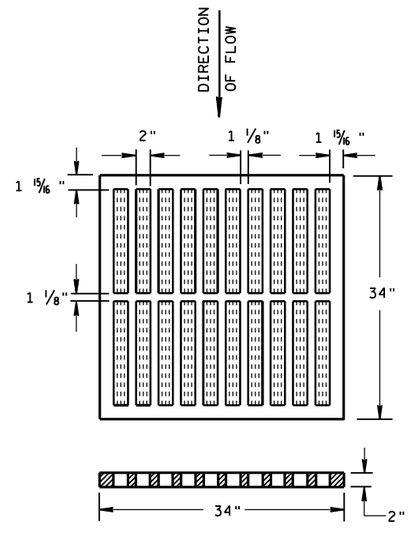
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



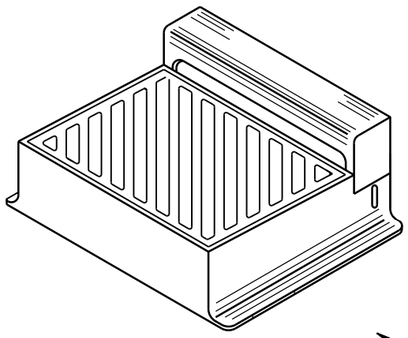
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

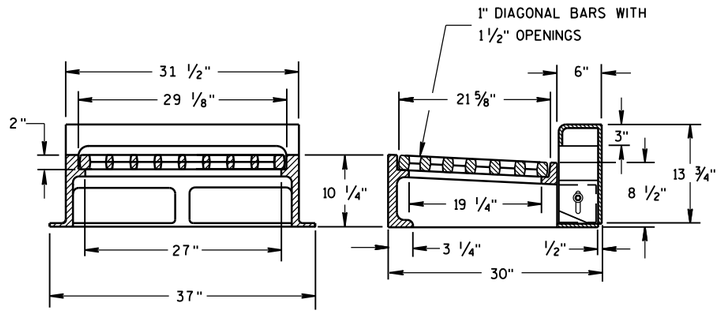


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

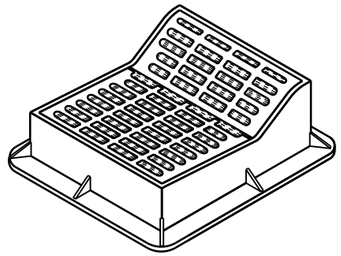
TYPE "WM"

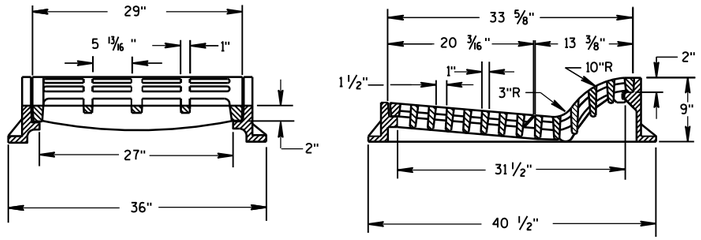
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

STATE OF WISCONSIN
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11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

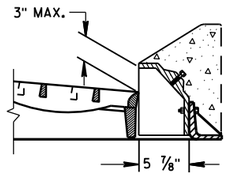
S.D.D. 8 A 5-19b
6
6





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

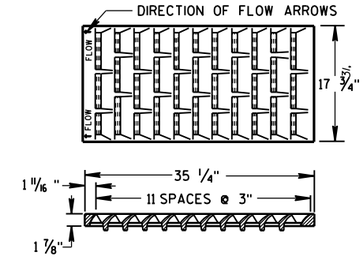
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

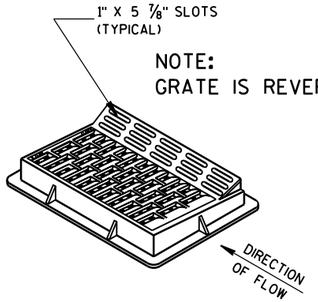
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

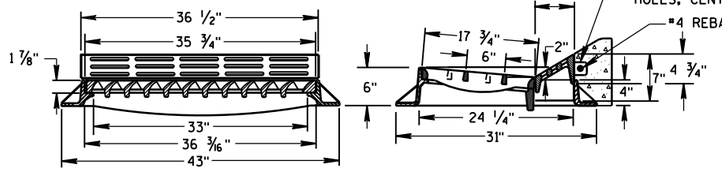
GENERAL NOTES

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.



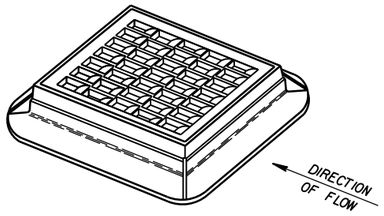


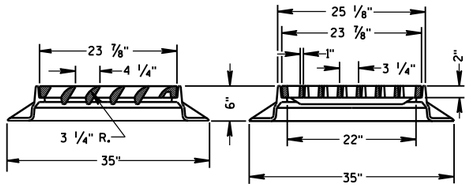


TYPE "HM"

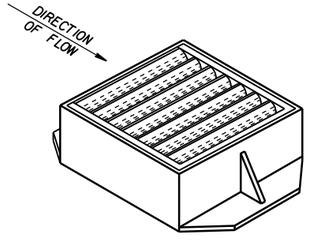
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

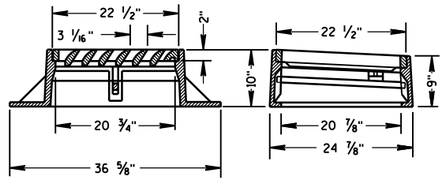
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



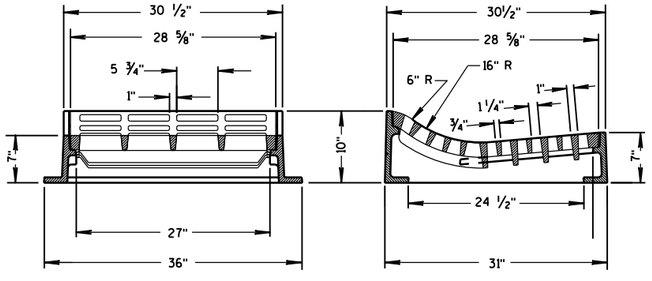


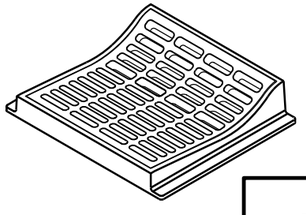
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

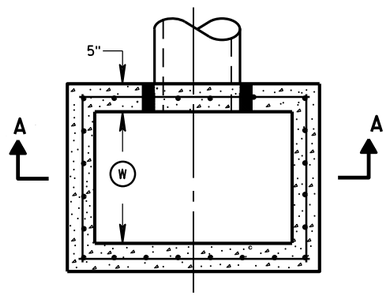
FHWA

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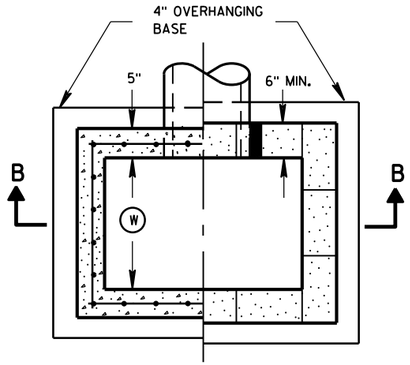
S.D.D. 8 A 5-19c

6

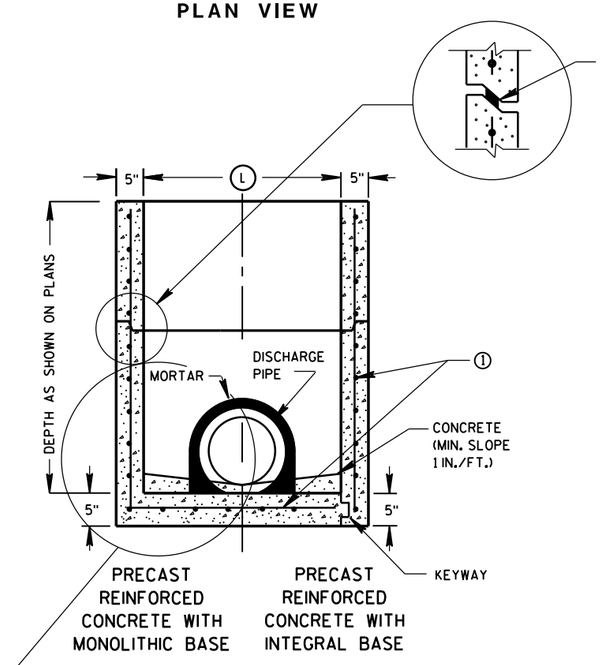
S.D.D. 8 A 5-19c



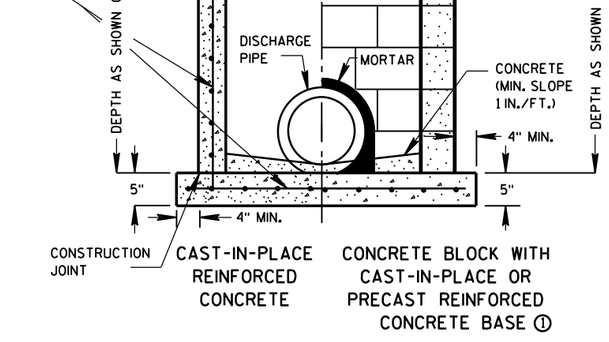
PLAN VIEW



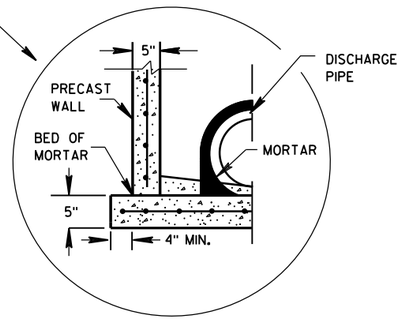
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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 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 INCH 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 PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

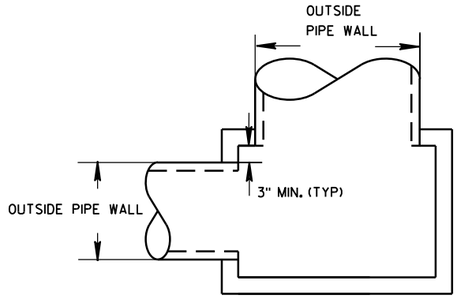
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



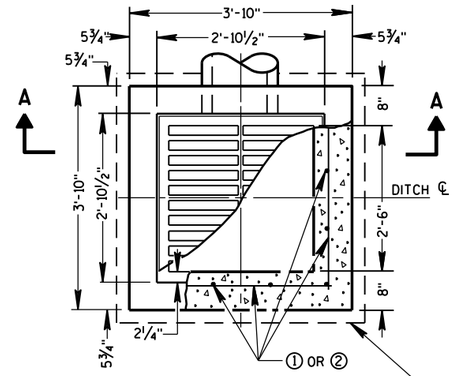
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

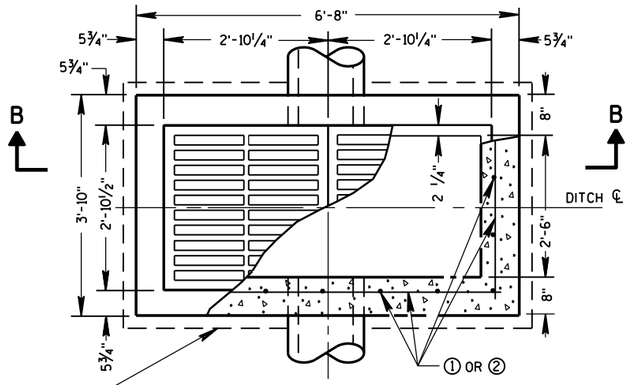
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

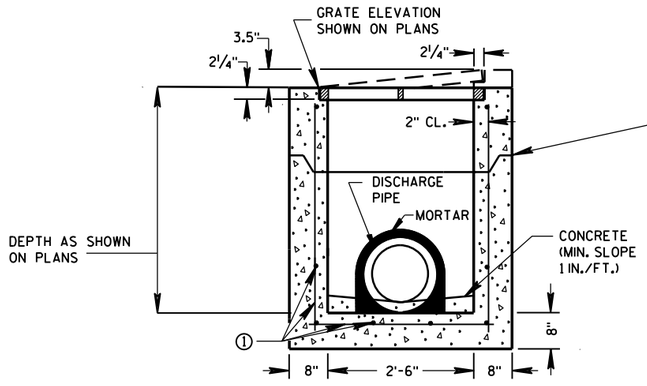


PLAN VIEW

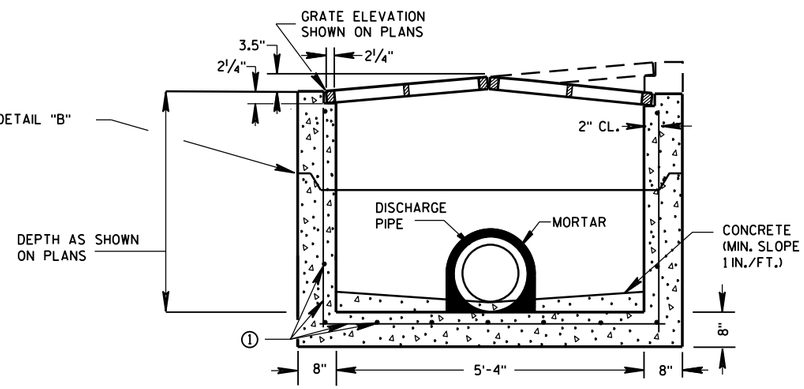


PLAN VIEW

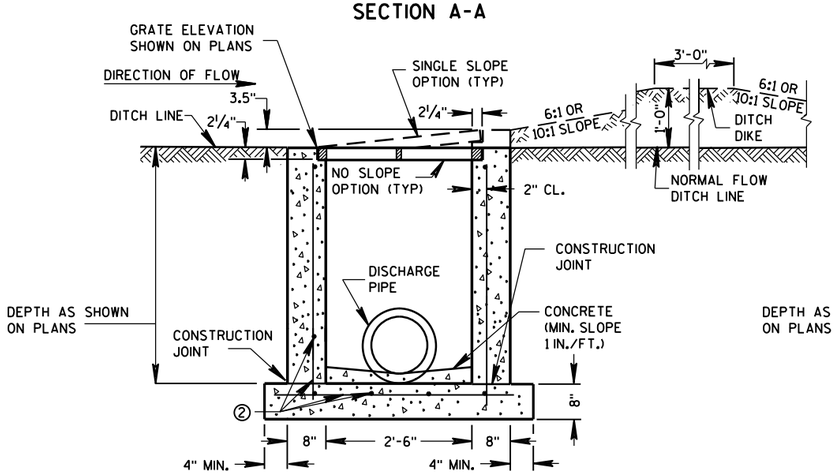
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



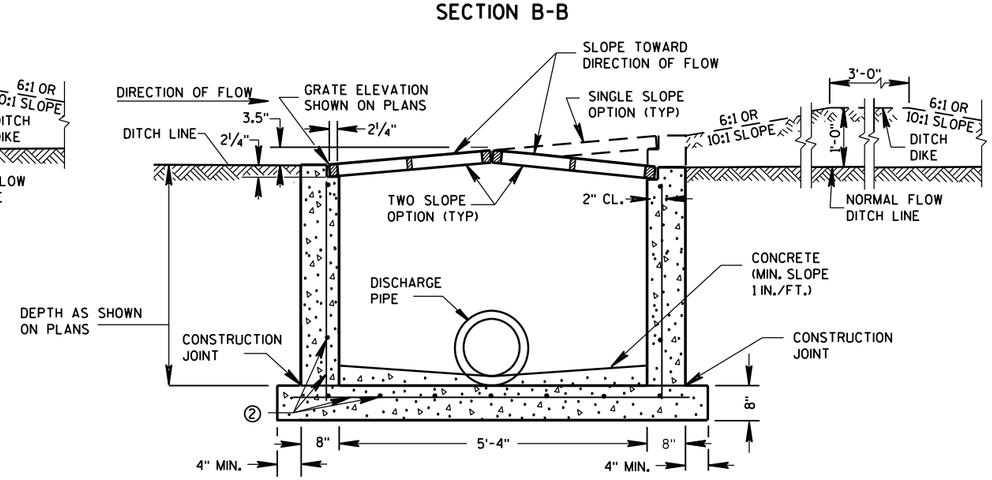
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

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 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 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.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

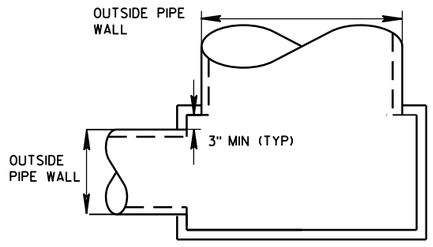
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS 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.

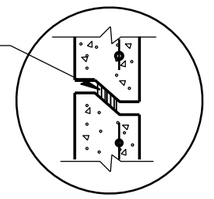
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

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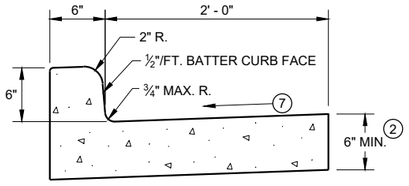
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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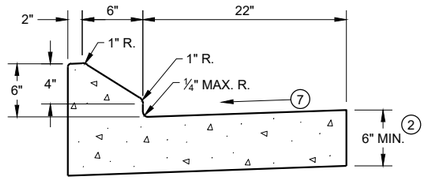
S.D.D. 8 C 8-2

6

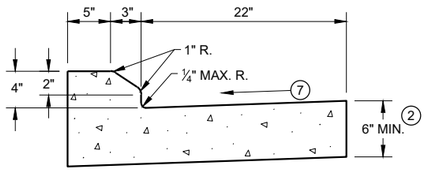
S.D.D. 8 C 8-2



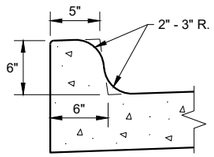
TYPES A (1) & D



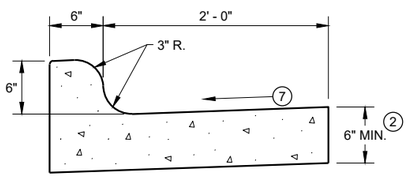
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

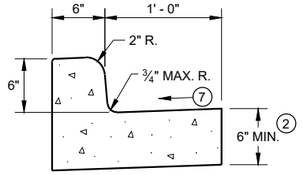


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



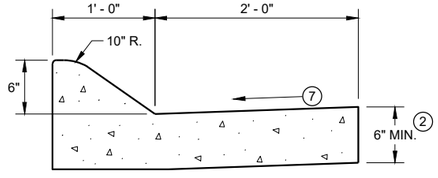
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

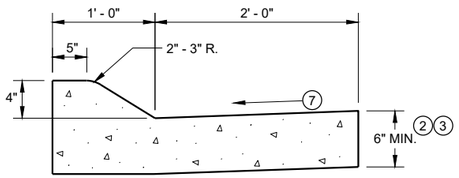


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

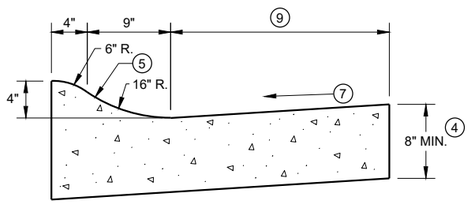


6" SLOPED CURB TYPES A (1) & D



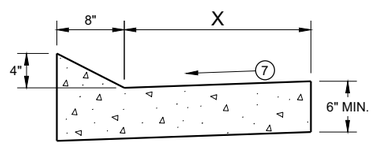
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

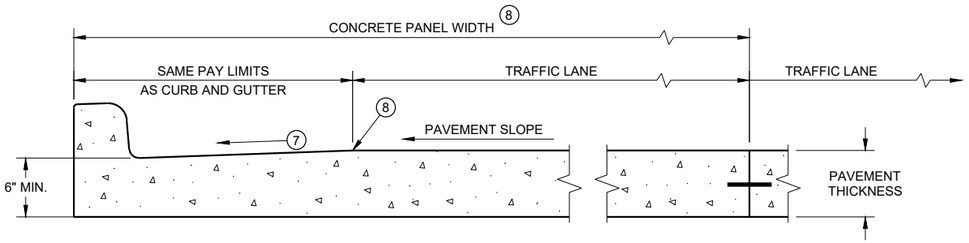


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

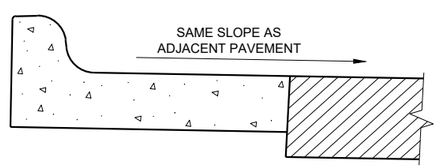
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

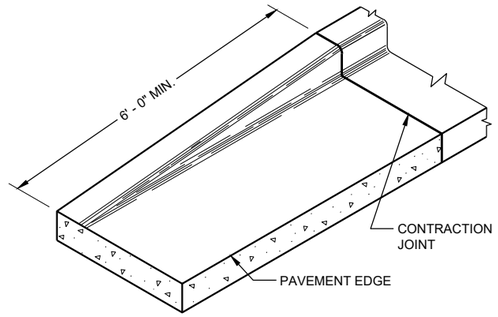
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

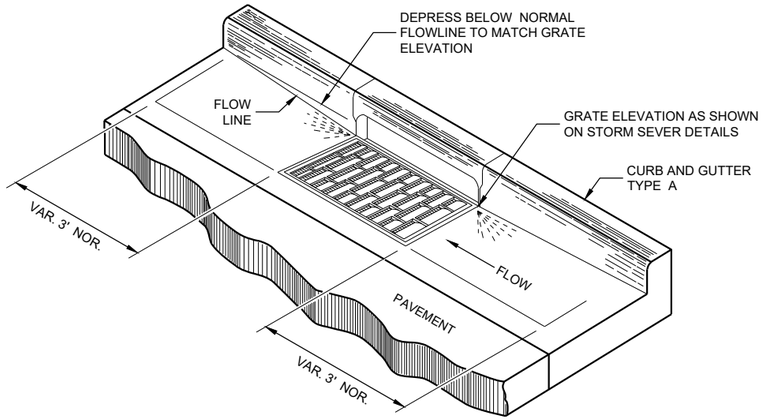
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB 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.

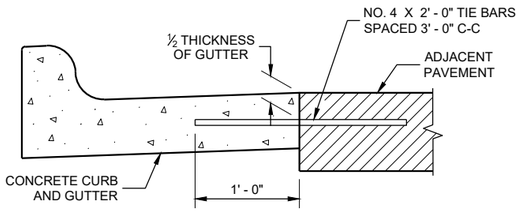
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

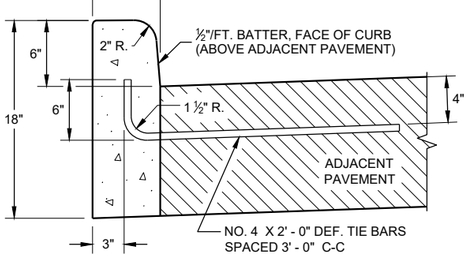
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

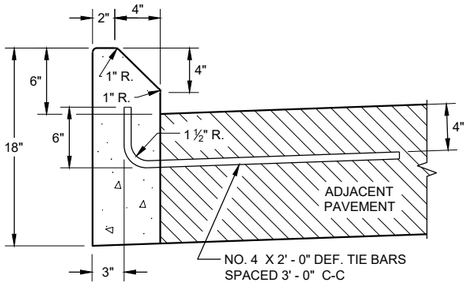
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

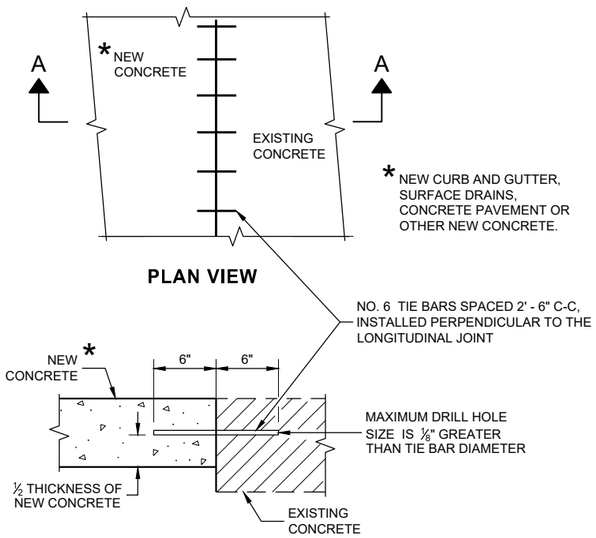


TYPES A (1) & D

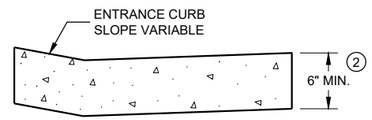


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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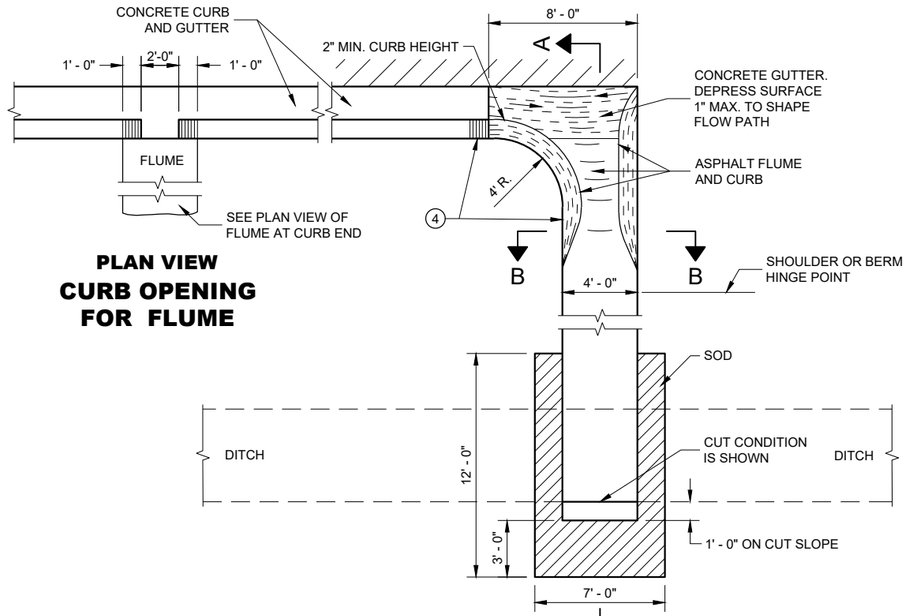
SDD08D01 - 22b

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SDD08D01 - 22b

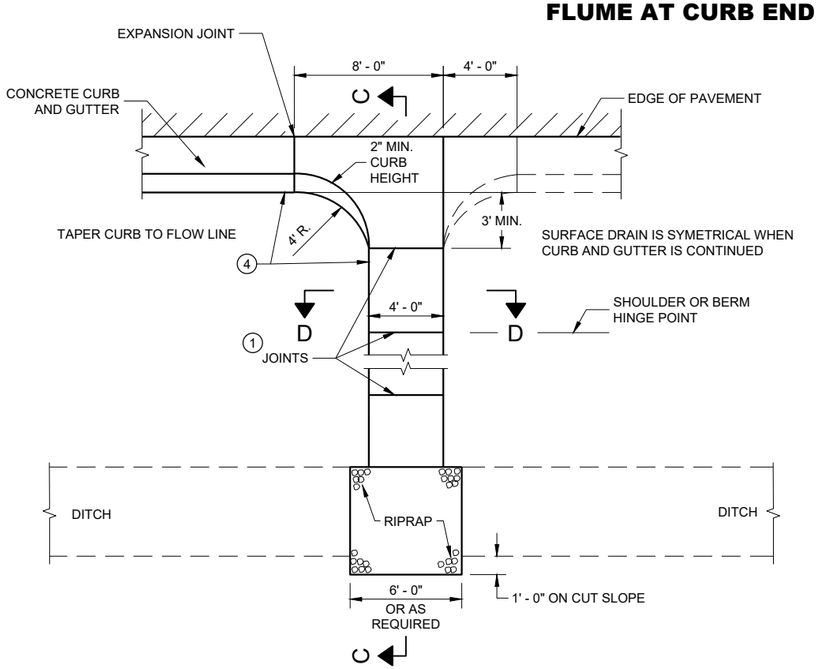
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



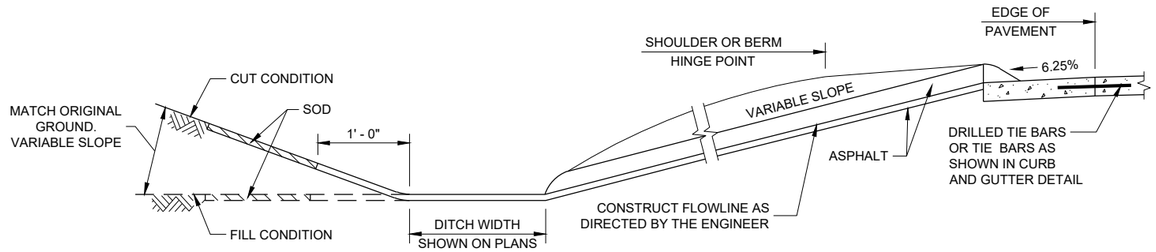
PLAN VIEW
CONCRETE SURFACE DRAIN

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.

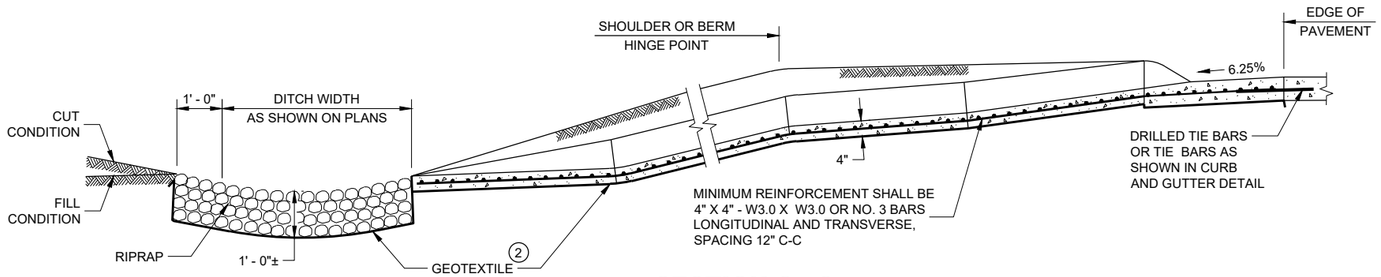
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

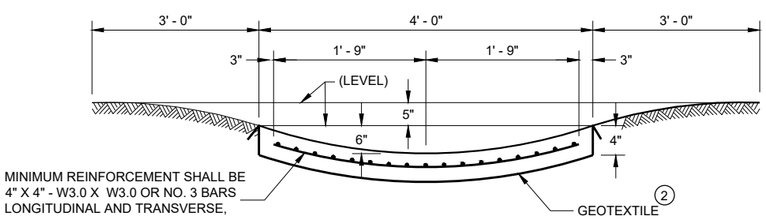


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

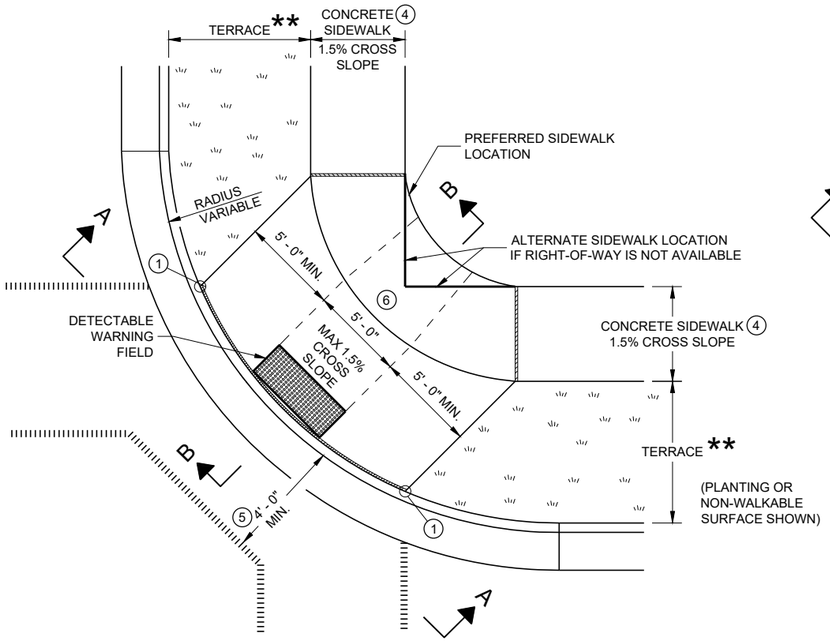
APPROVED
November 2021
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08D04 - 06

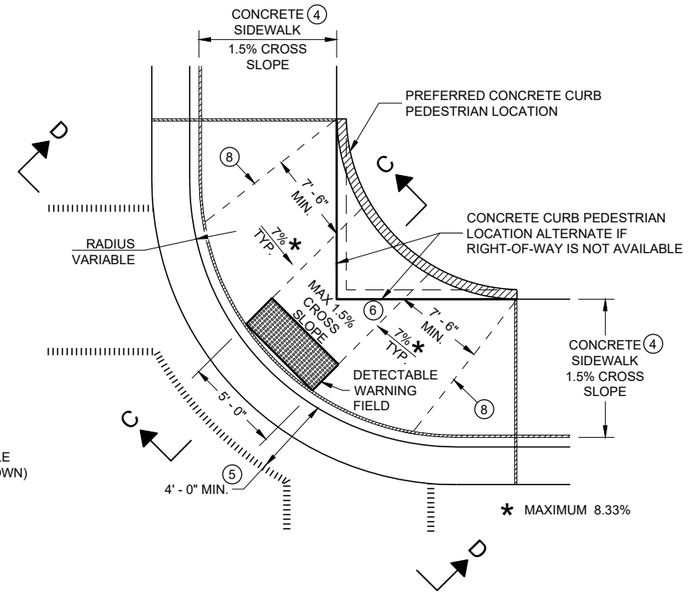
SDD 08D04 - 06



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

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.

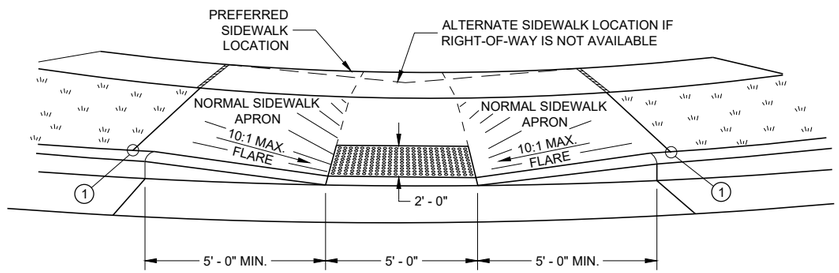
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

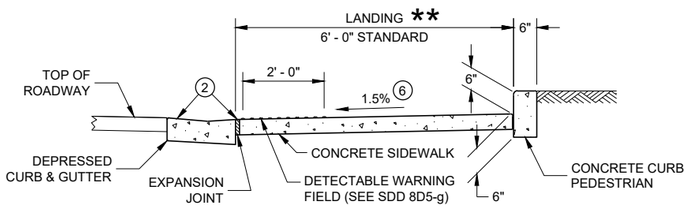
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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.



VIEW A - A FOR TYPE 1

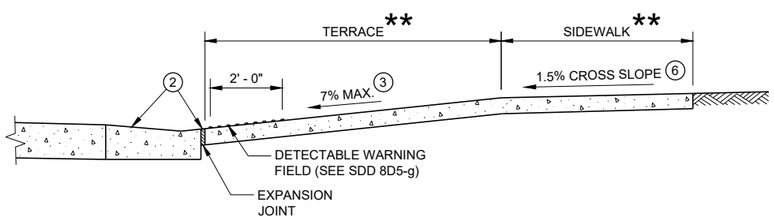


SECTION C - C FOR TYPE 1 - A

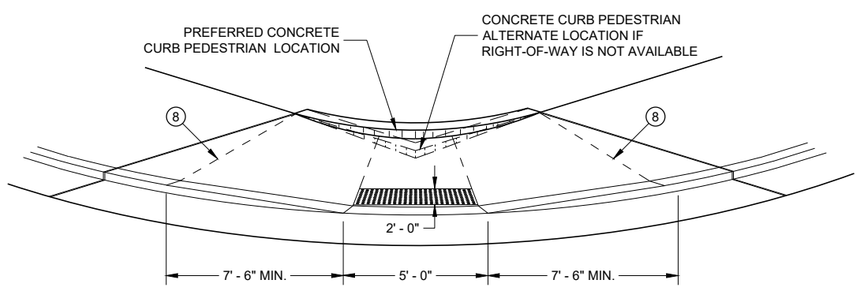
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

** WIDTH SHOWN ELSEWHERE IN THE PLANS

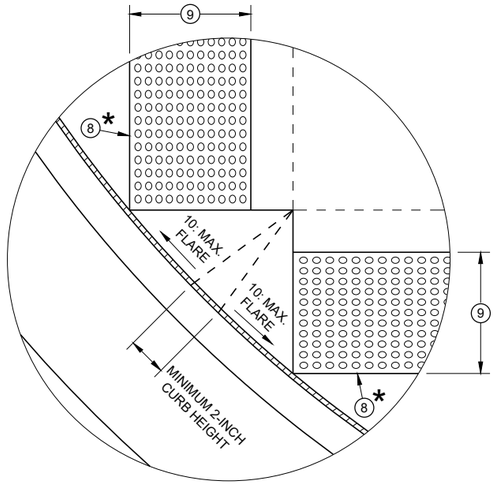


SECTION B - B FOR TYPE 1

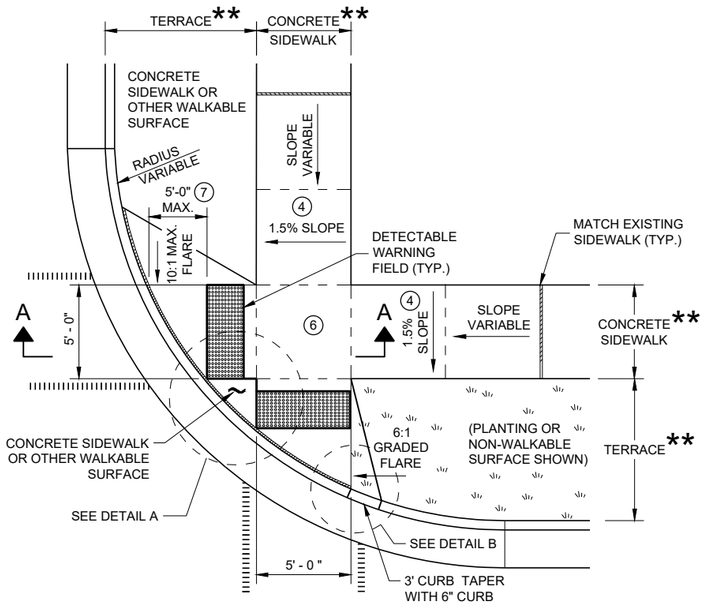


VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A



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.

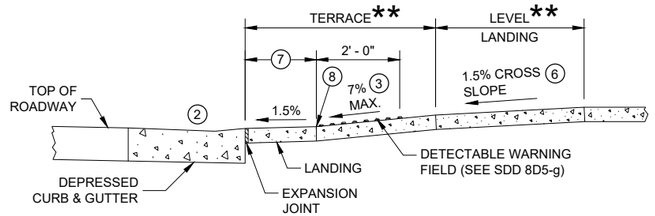
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

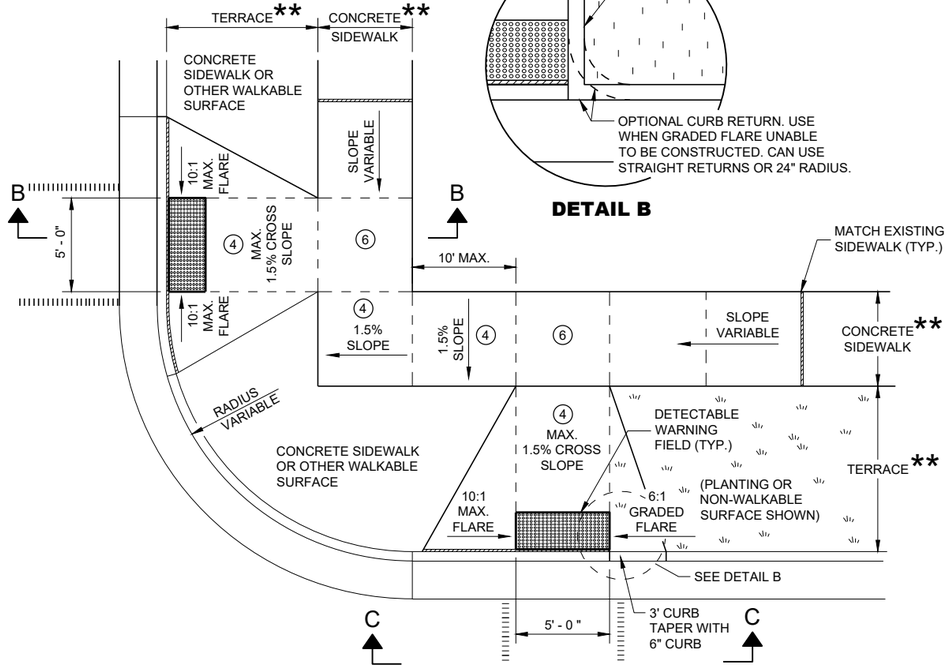
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

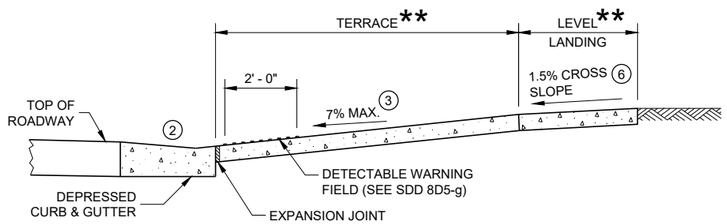
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

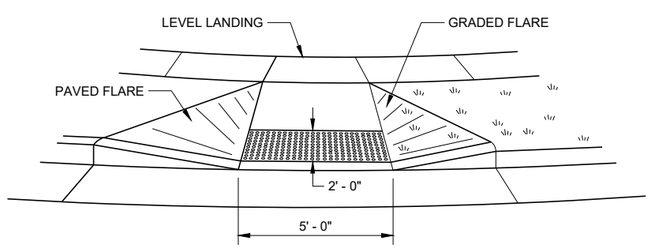
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

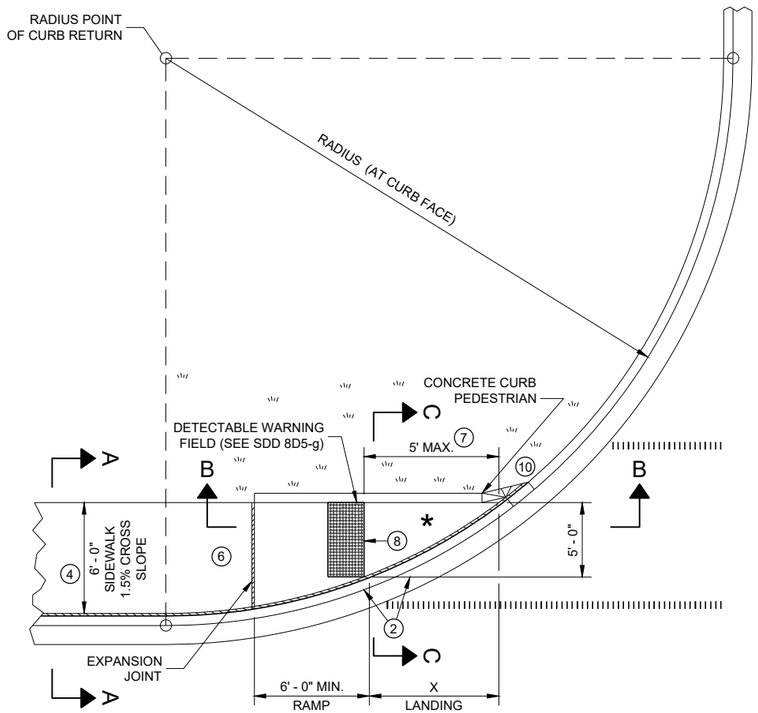
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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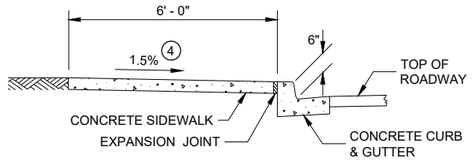


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

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.

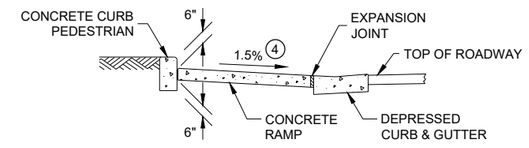
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

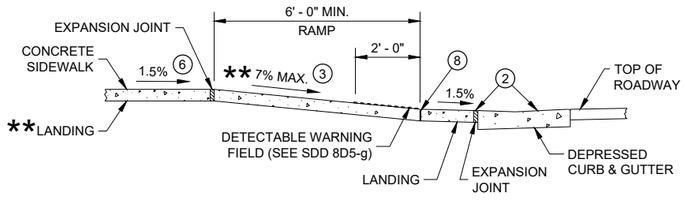
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



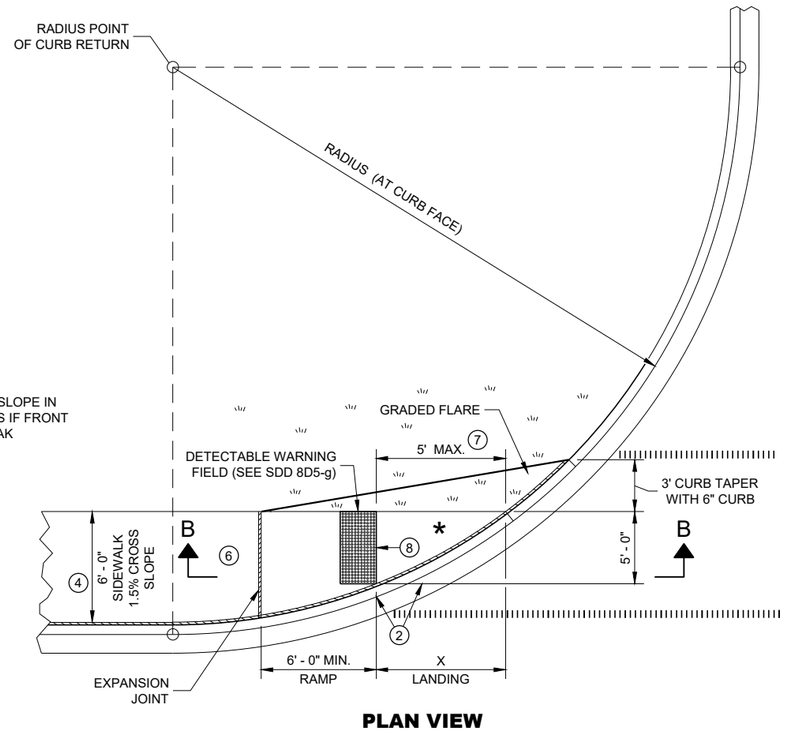
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

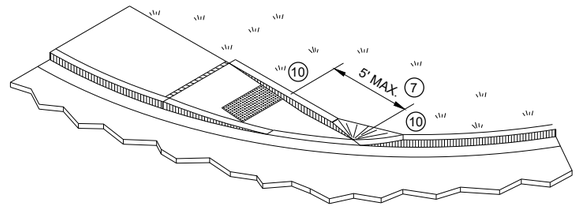
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

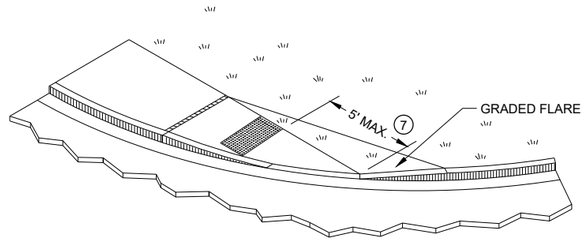


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



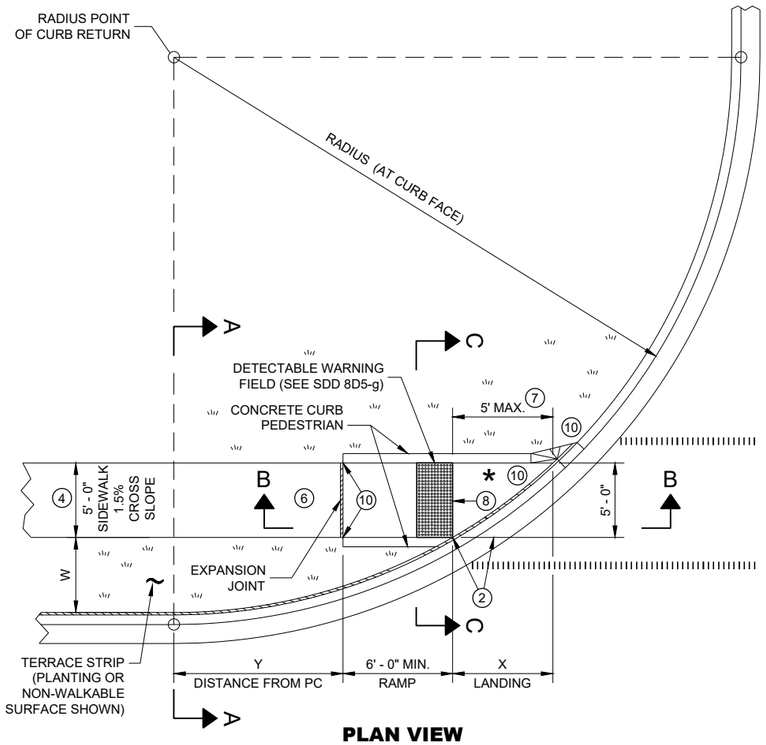
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20c



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 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

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

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.

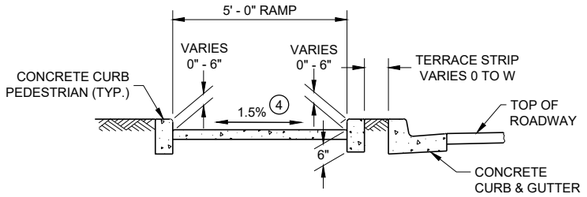
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

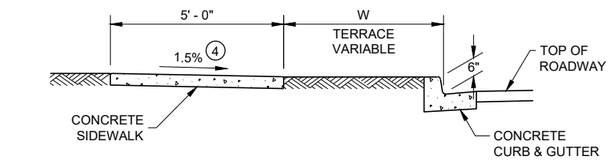
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

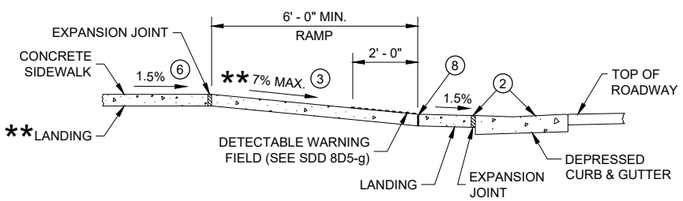
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



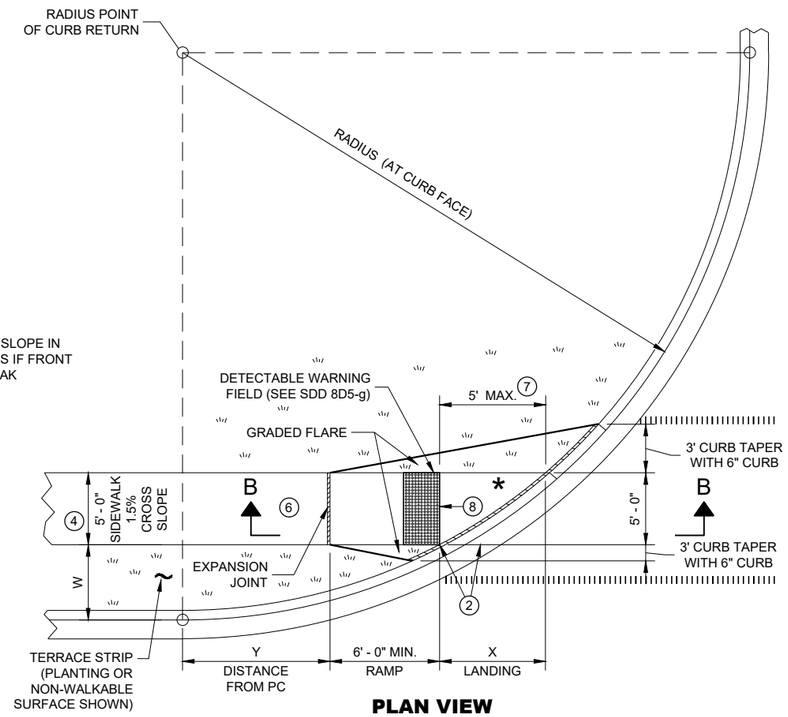
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

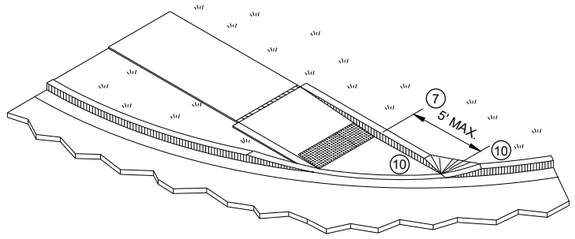
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

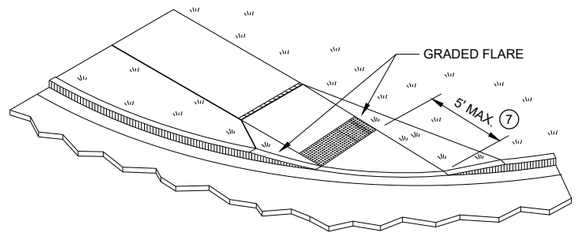


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



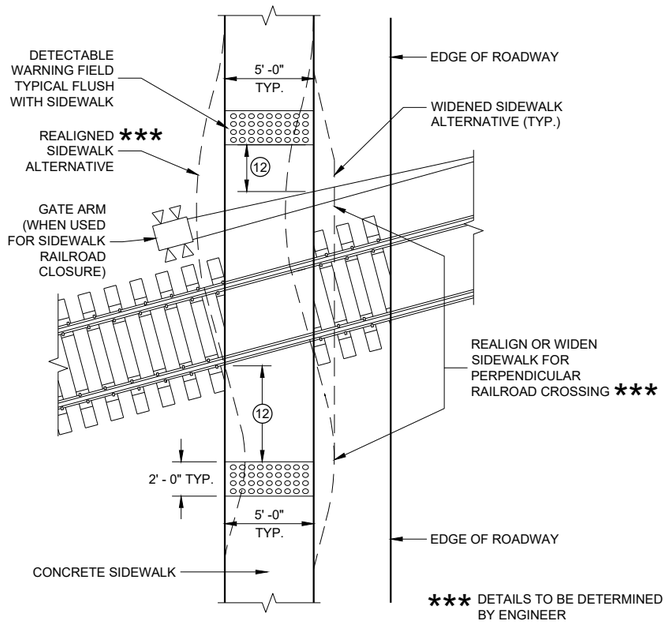
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

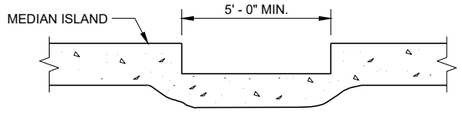
6

SDD 08D05 - 20d

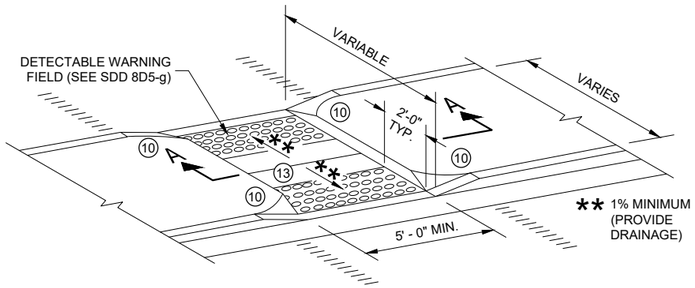


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



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 ½ - 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.

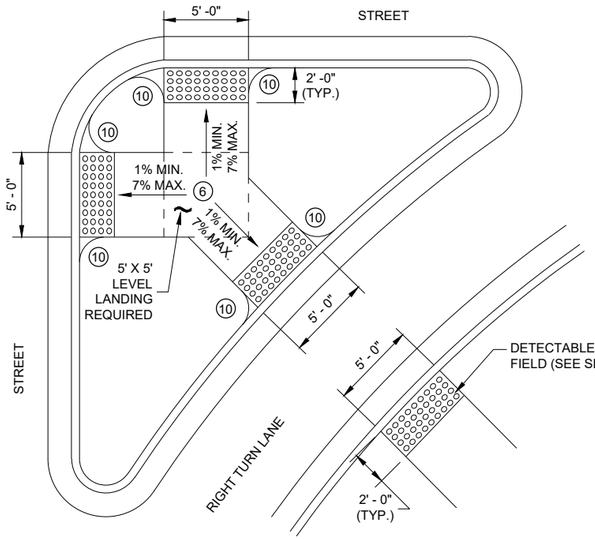
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET 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

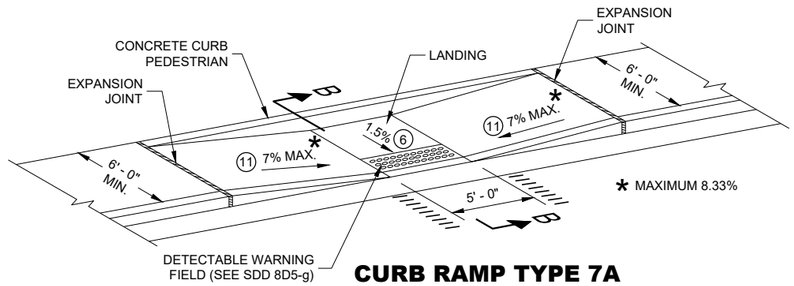
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

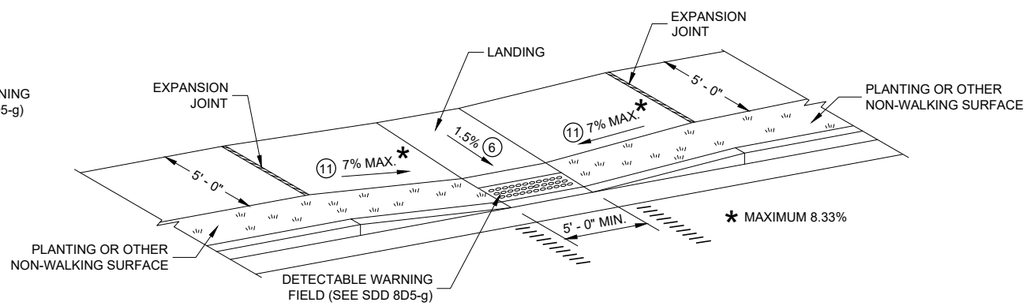
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

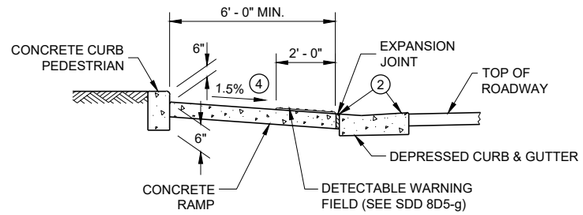
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

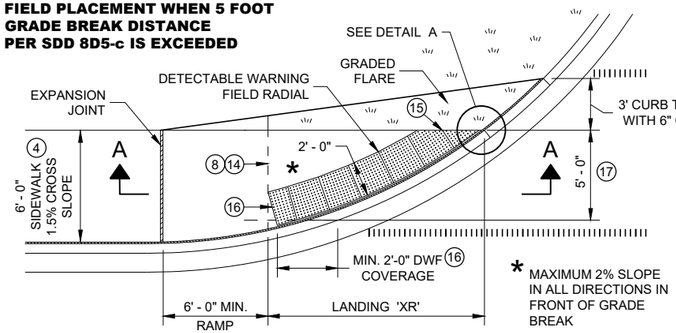
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

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SDD 08D05 - 20e

SDD 08D05 - 20e

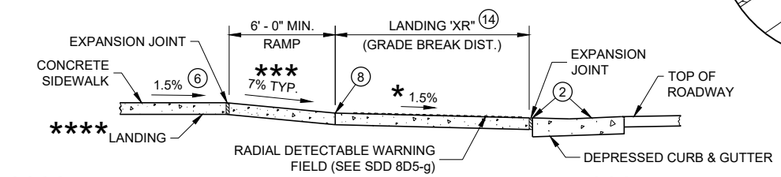
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

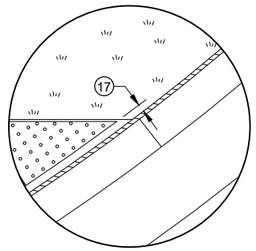
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

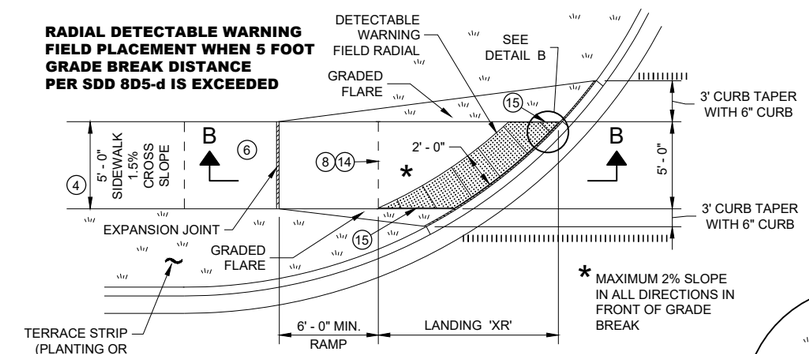
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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 WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

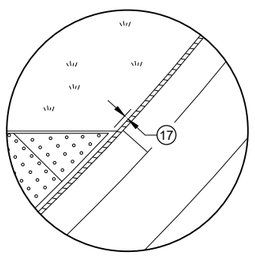
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



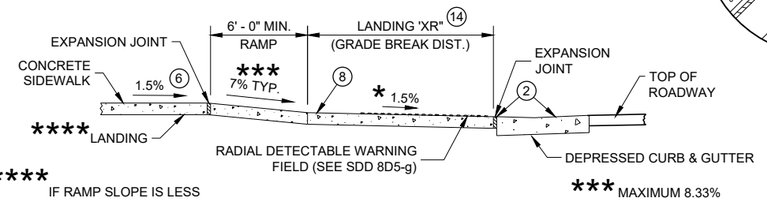
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

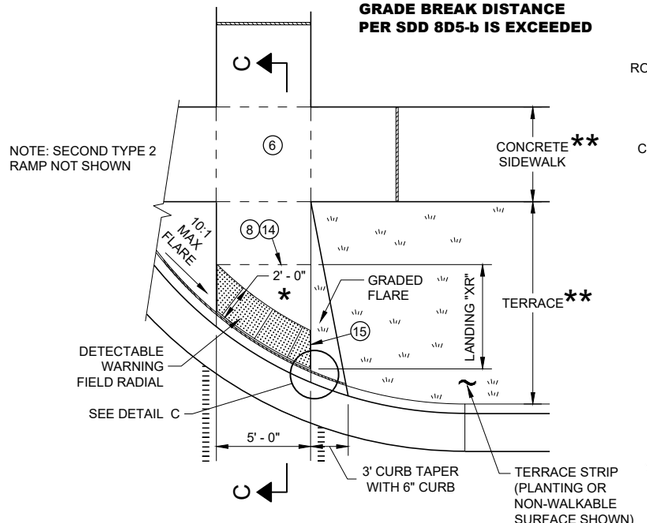


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** 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

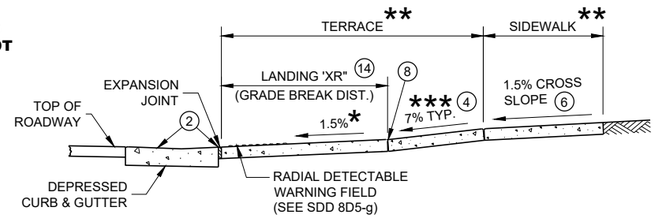


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

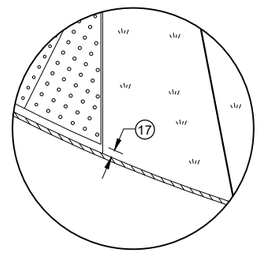


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

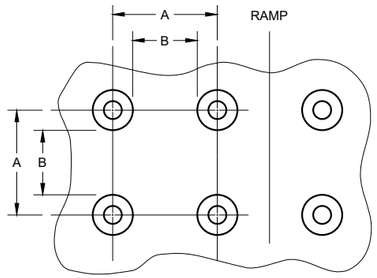
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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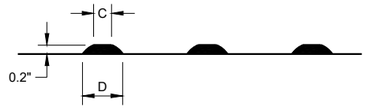
SDD 08D05 - 20f

	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.

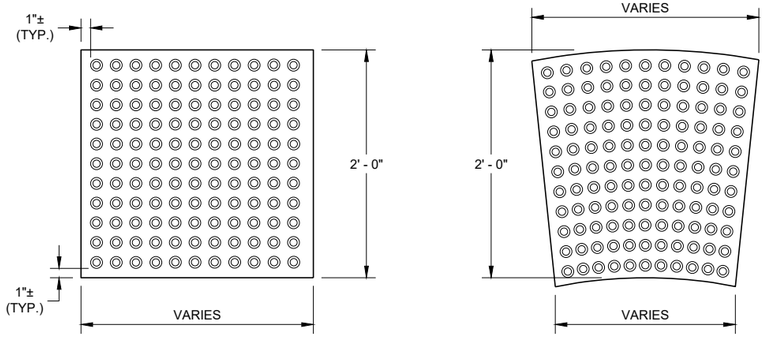


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

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.

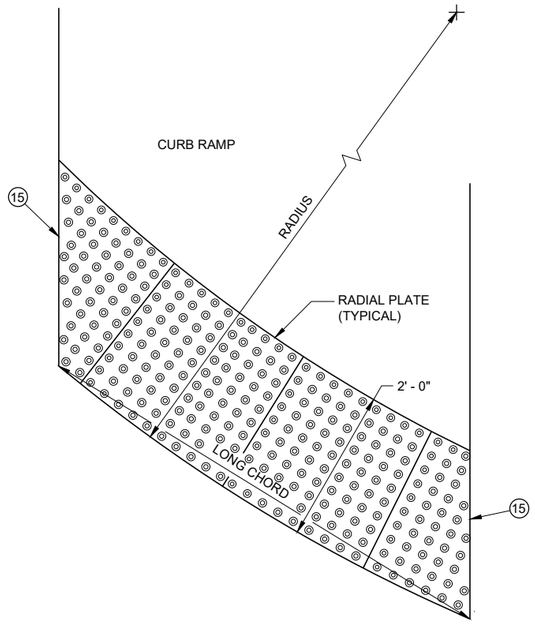
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

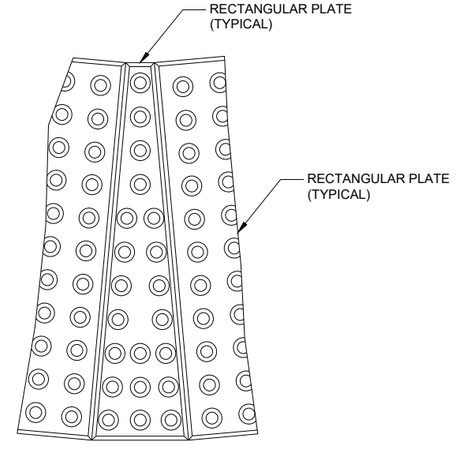
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

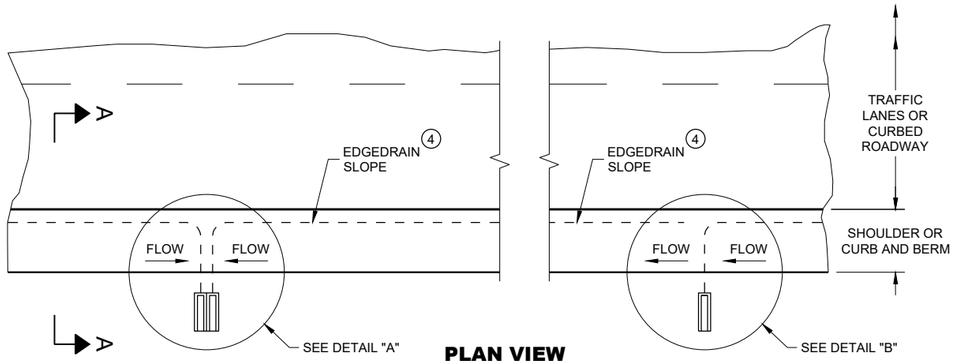
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

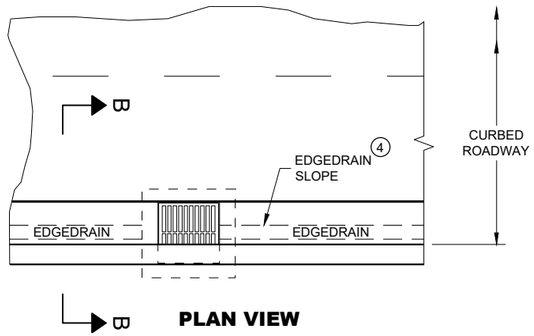
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SDD 08D05 - 20g



PLAN VIEW

ROADWAY WITH SHOULDERS OR CURBS
(EDGEDRAIN CONNECTS TO ROADSIDE) (2)



PLAN VIEW

ROADWAY WITH CURBS
(EDGEDRAIN CONNECTS INTO INLET STRUCTURE)

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) UNPERFORATED PIPE UNDERDRAIN AND FITTINGS FURNISHED FOR OUTFALL PIPE SHALL MEET THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:

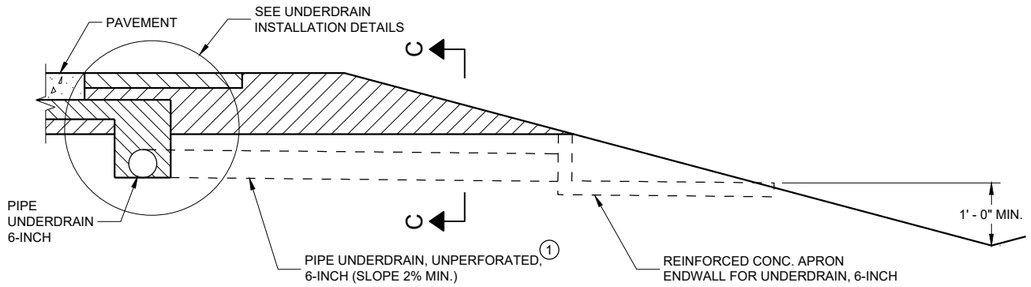
POLYVINYL CHLORIDE (PVC) PLASTIC DRAIN, WASTE, AND VENT PIPE AND FITTINGS, ASTM D 2665, SCHEDULE 40 PVC.

TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, ASTM D 3034, SDR 23.5 PVC SEWER PIPE.

(2) MAXIMUM SPACING OF EDGEDRAIN OUTLETS SHALL BE 250 FEET UNLESS OTHERWISE SPECIFIED IN THE CONTRACT OR DIRECTED BY THE ENGINEER.

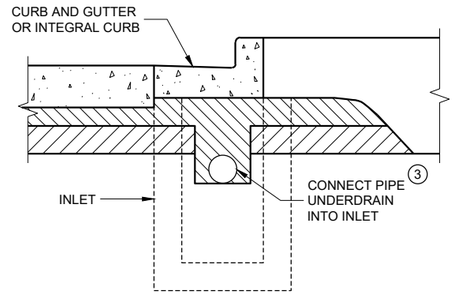
(3) EDGEDRAIN SHALL BE CONNECTED TO INLETS REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS.

(4) EDGEDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF ROADWAY.



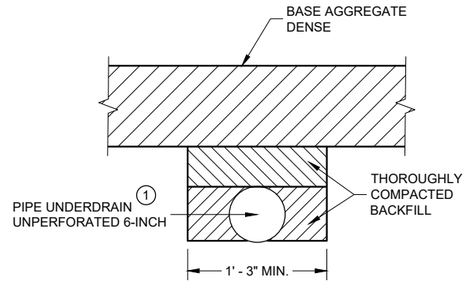
SECTION A - A

RURAL CROSS SECTION



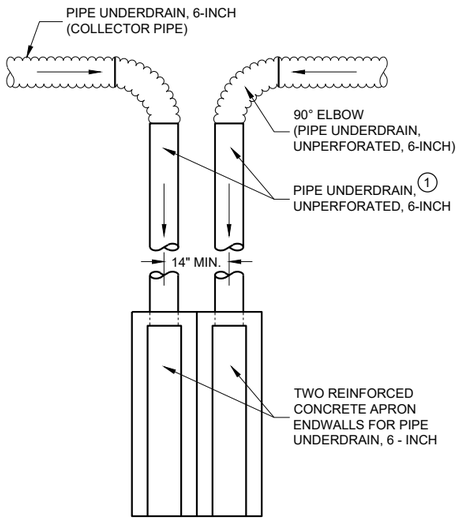
SECTION B - B

URBAN CROSS SECTION

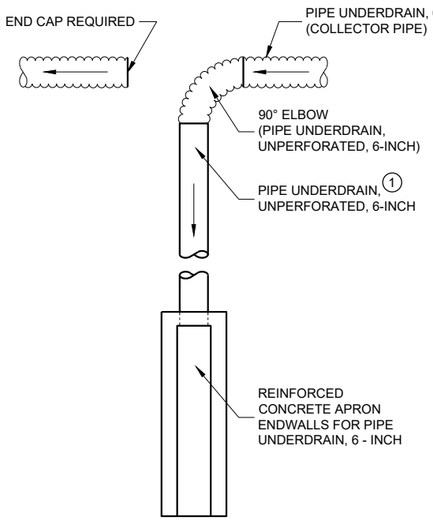


SECTION C - C

TRENCH FOR OUTFALL PIPE

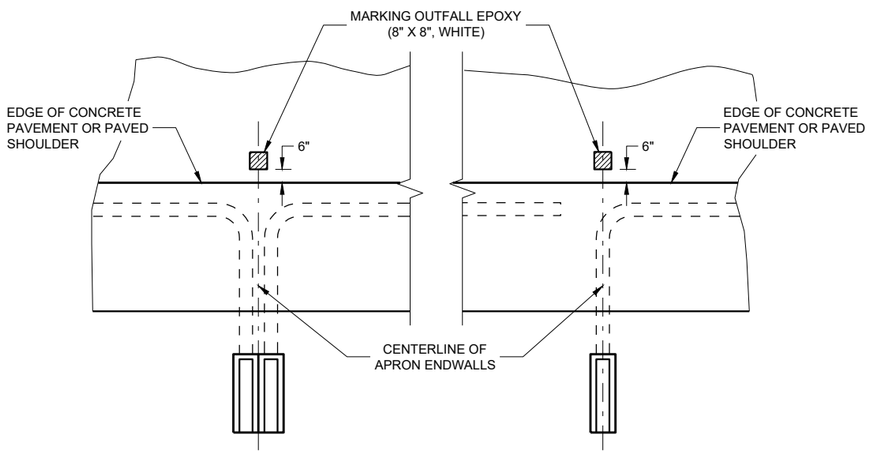


DETAIL "A"
TO BE USED AT LOW POINT LOCATIONS



DETAIL "B"
TO BE USED AT INTERMEDIATE LOCATIONS

TYPICAL DRAIN OUT DETAILS



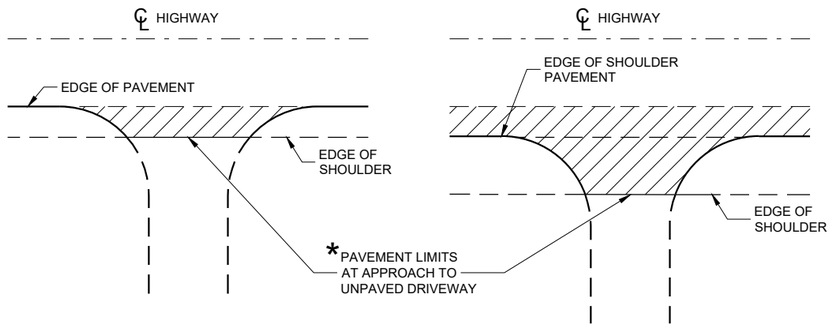
LOW POINT LOCATIONS — INTERMEDIATE LOCATIONS

PAVEMENT MARKINGS FOR OUTFALL MARKERS

EDGEDRAIN OUTLET AND OUTFALL MARKERS

6

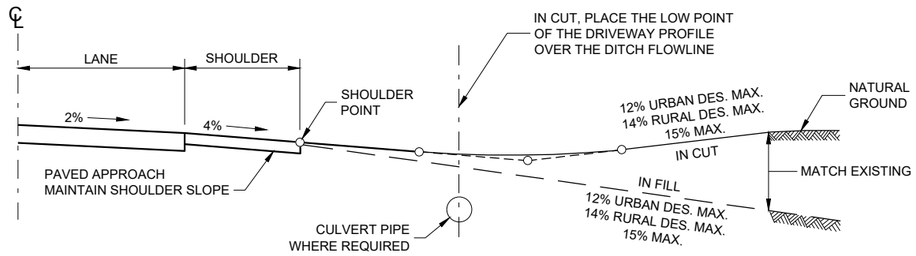
SDD08D15 - 05a



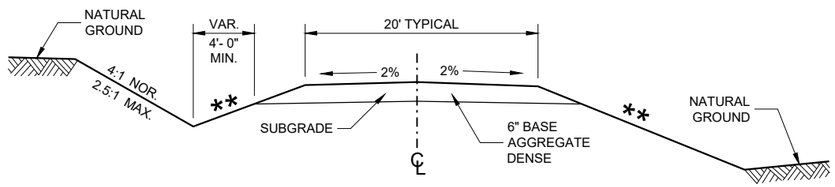
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

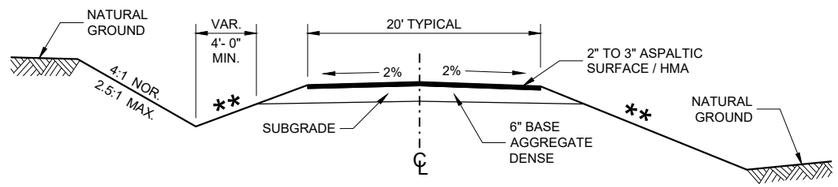


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

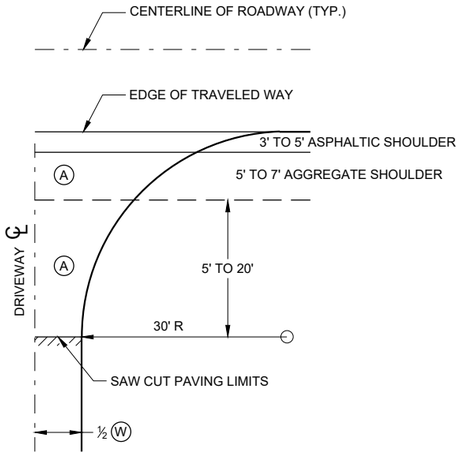
FHWA

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SDD 08D21 - 01

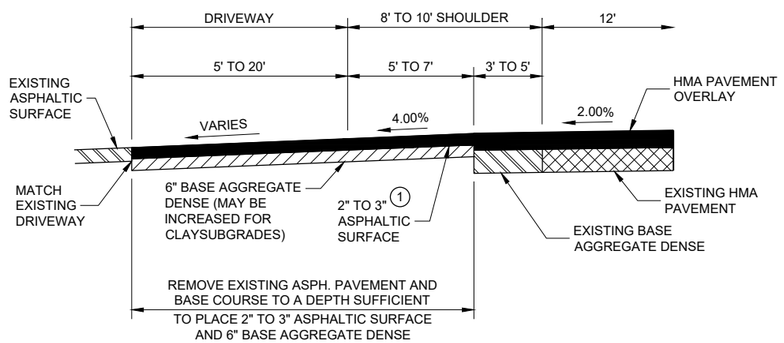
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



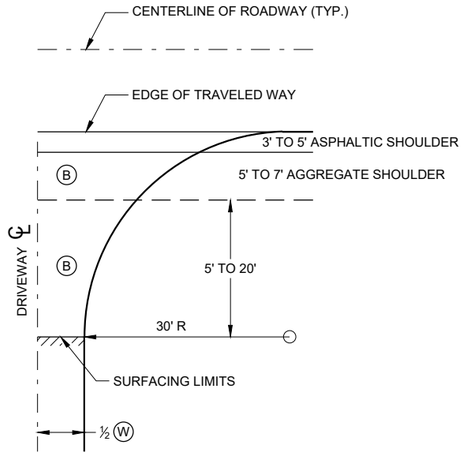
PROFILE VIEW

RURAL ENTRANCE
WITH ASPHALTIC SURFACE
RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

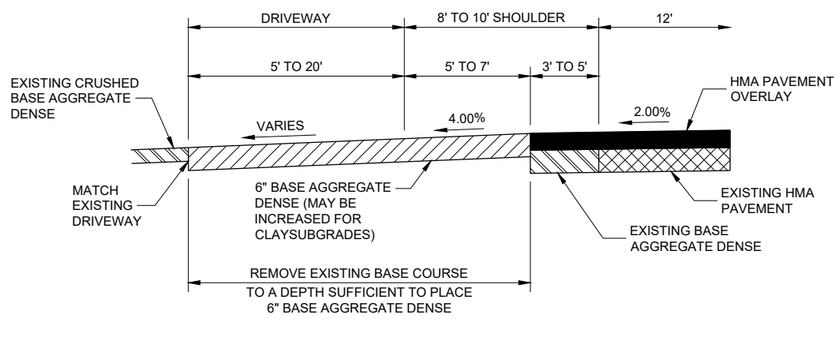
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

(W) : DRIVEWAY WIDTH 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE
WITH AGGREGATE SURFACE
6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

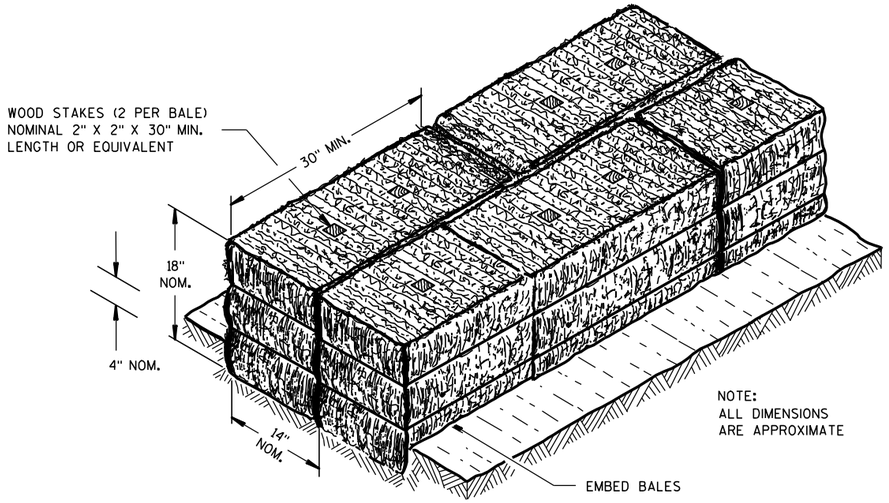
APPROVED
December 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

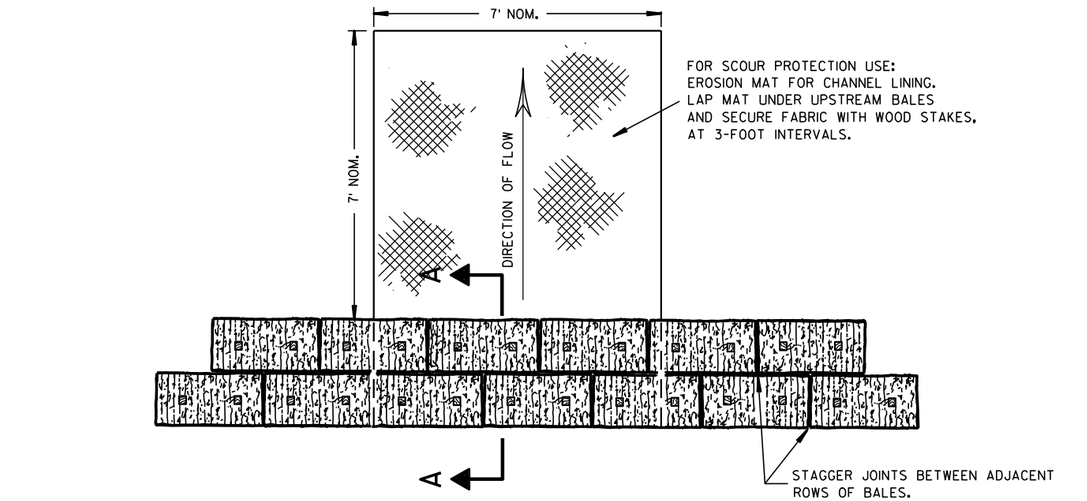
FHWA

6

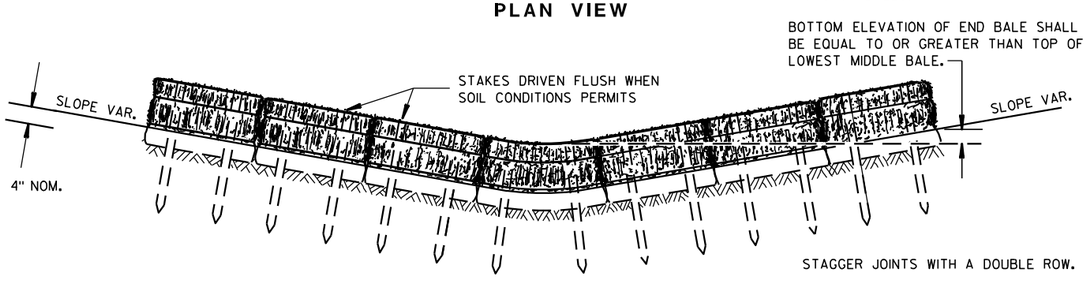
SDD 08D22 - 01



SECTION A-A



PLAN VIEW



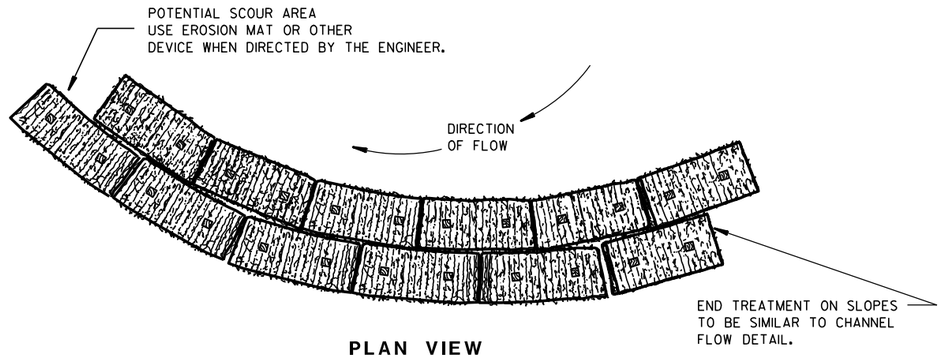
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

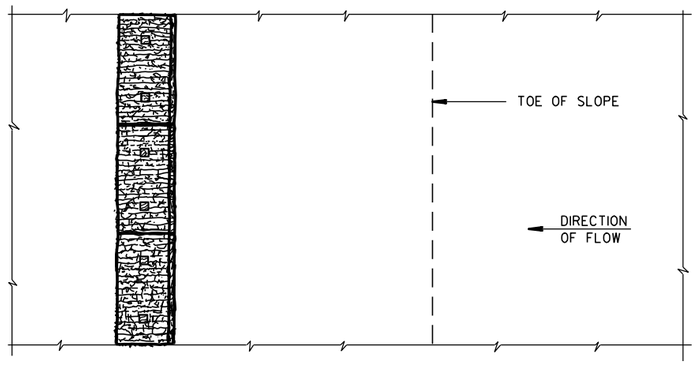
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

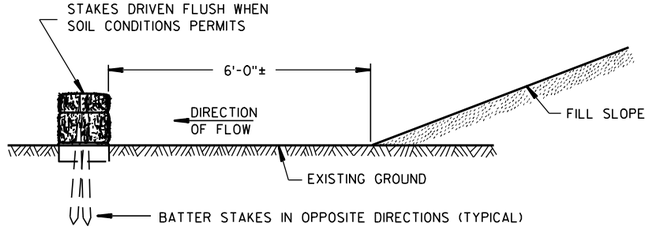


PLAN VIEW

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

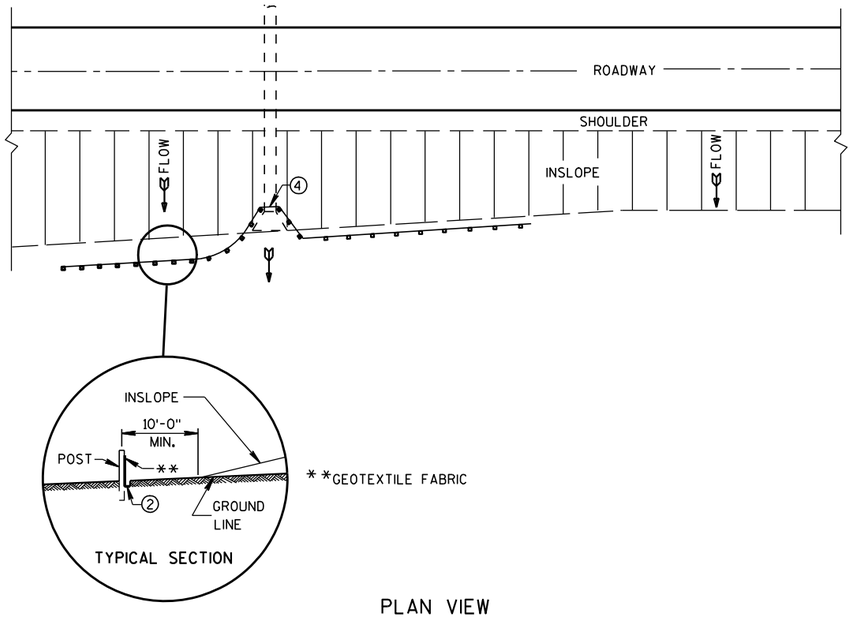
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

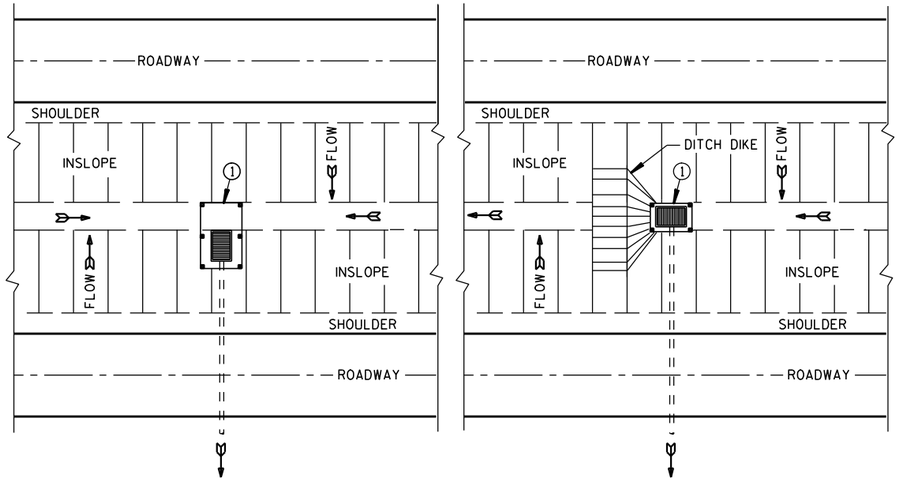
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



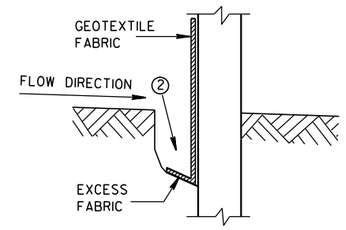
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

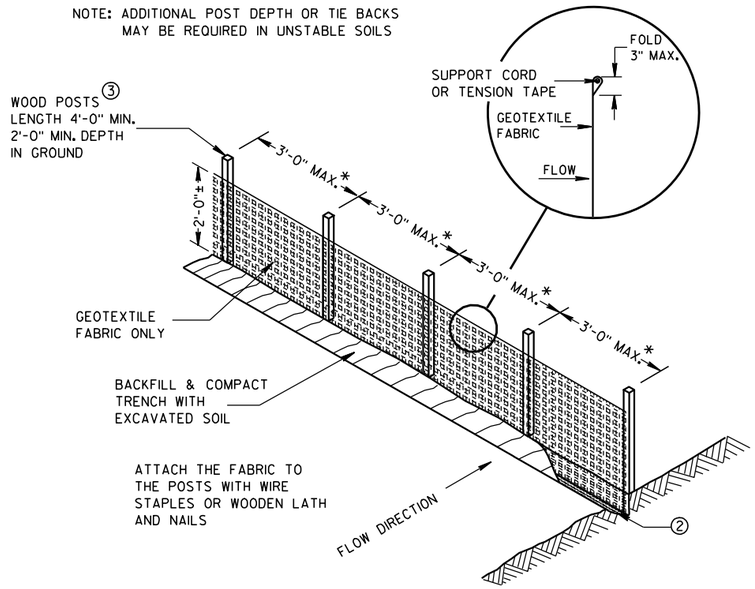
GENERAL NOTES

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

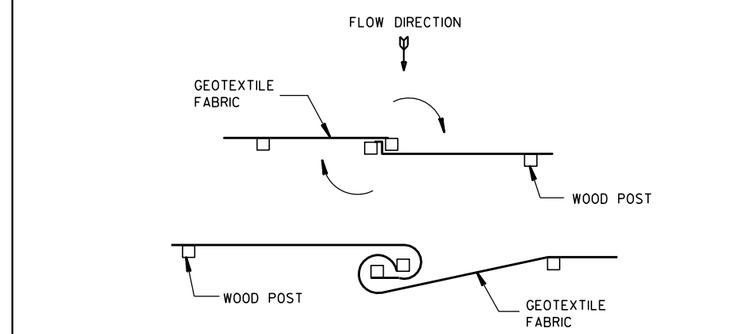
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



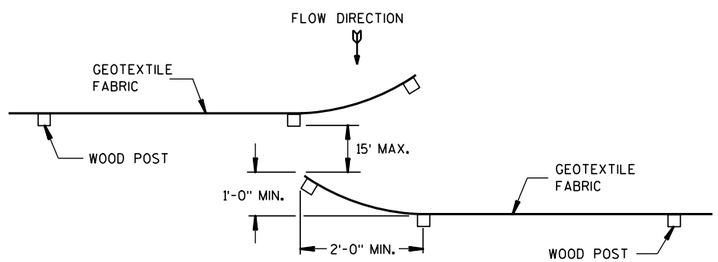
TRENCH DETAIL



SILT FENCE

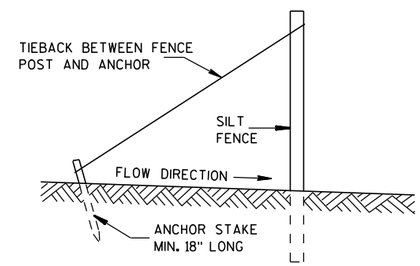


TWIST METHOD



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

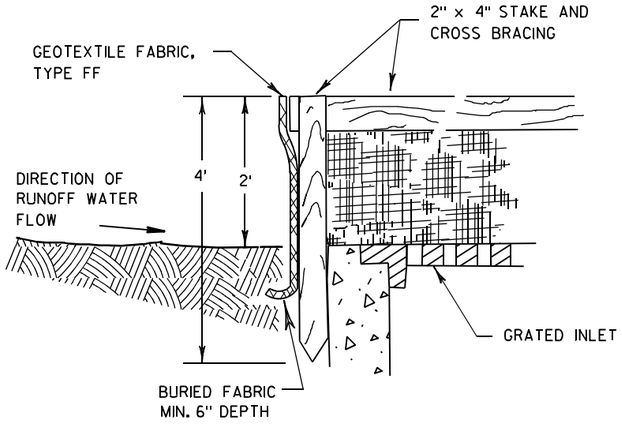
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

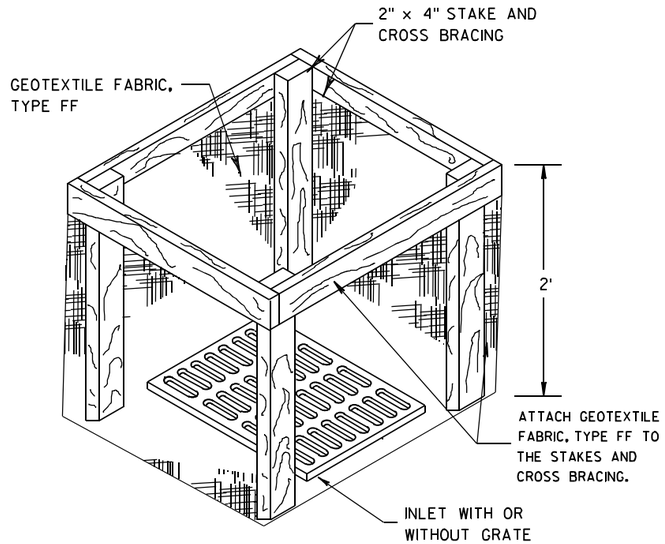
6

S.D.D. 8 E 9-6

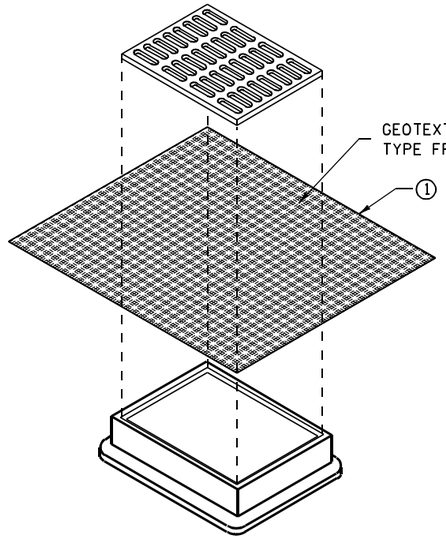
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S.D.D. 8 E 9-6



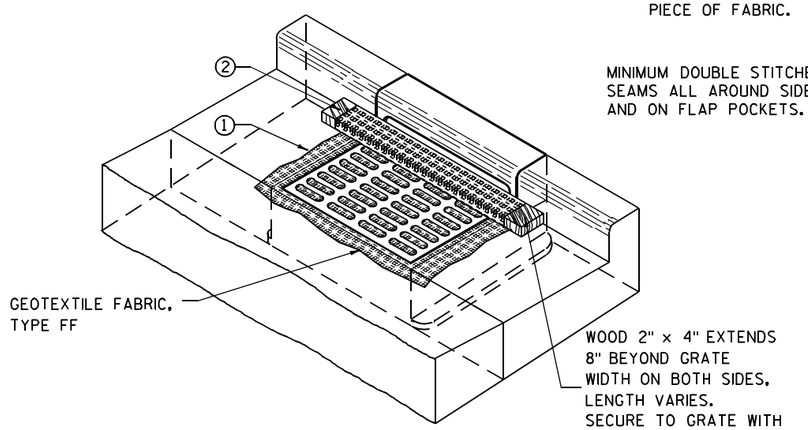


INLET PROTECTION, TYPE A

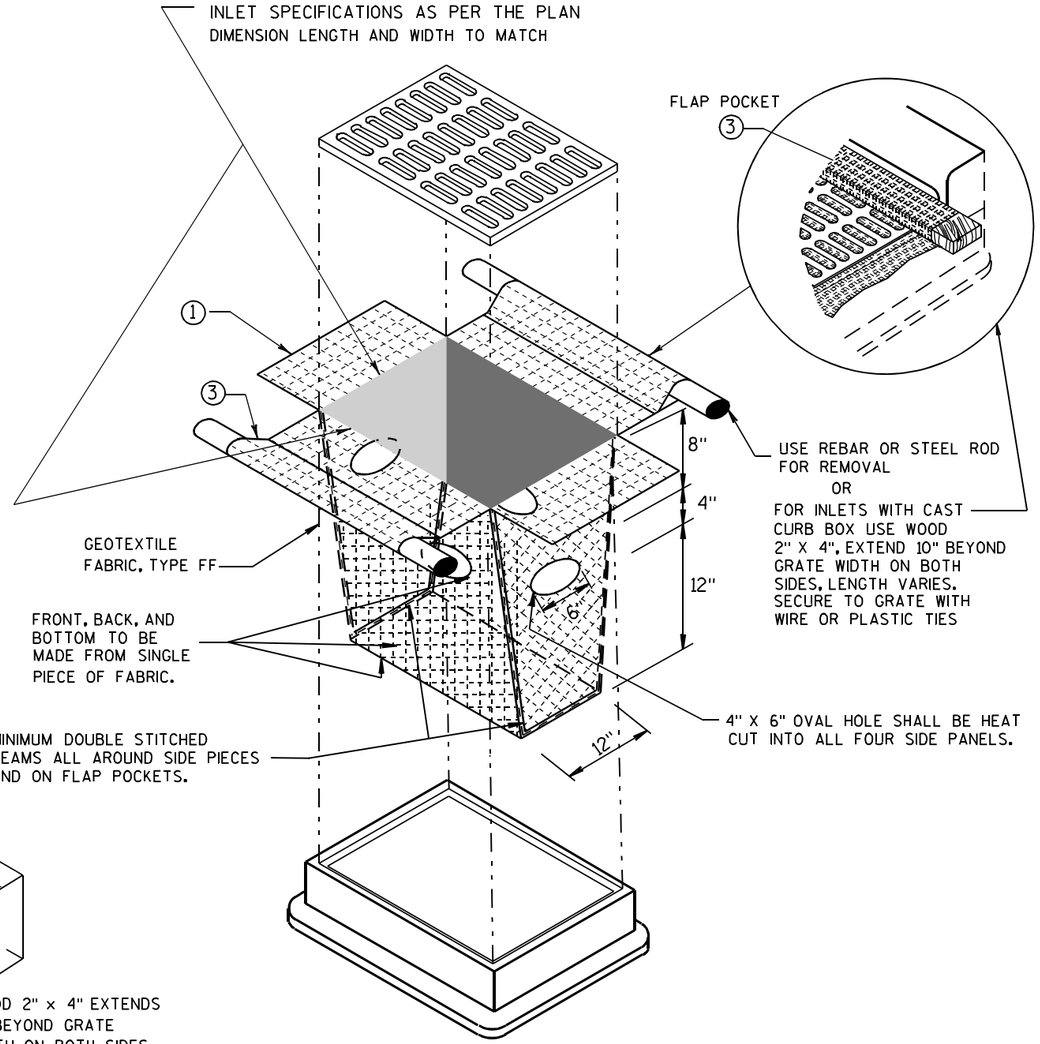


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

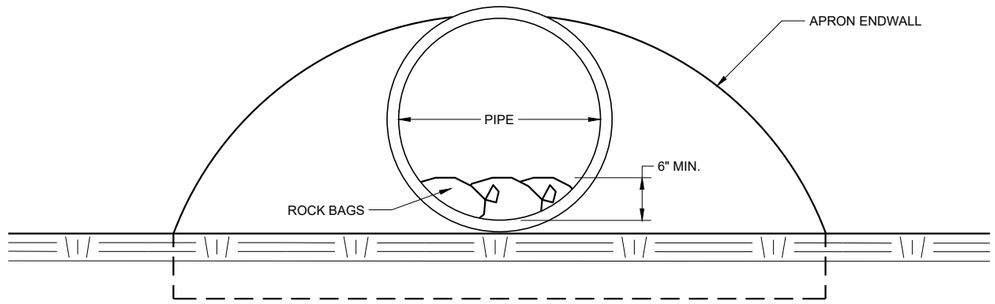
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

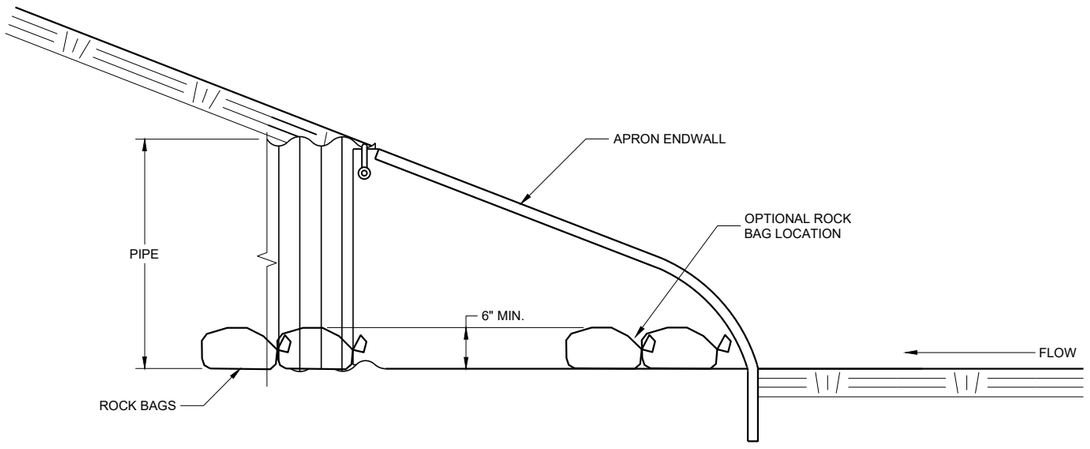
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



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
FHWA	

6

SDD 08E15 - 01

METAL APRON ENDWALLS

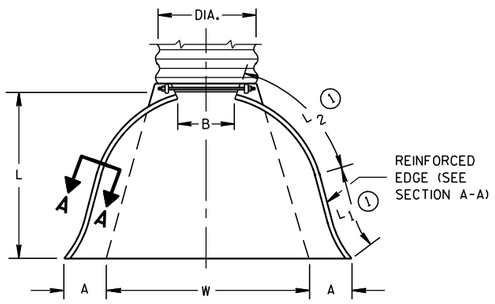
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

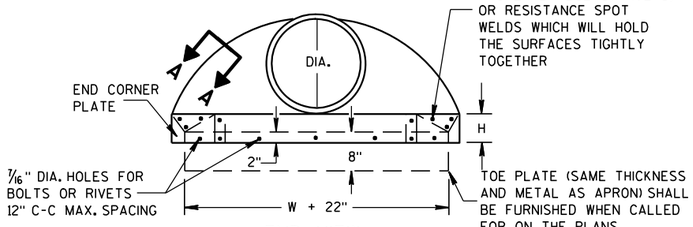
REINFORCED CONCRETE APRON ENDWALLS

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

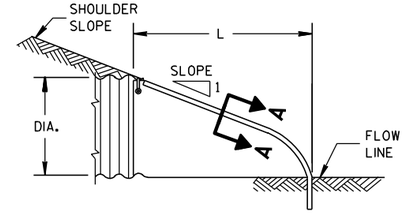
*MINIMUM
**MAXIMUM



PLAN VIEW

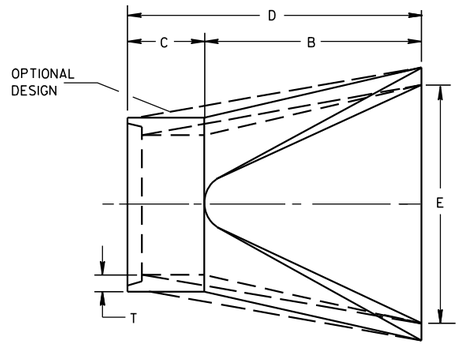


END VIEW

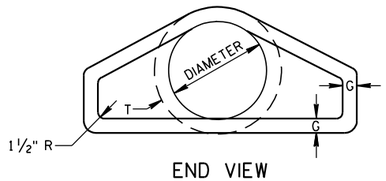


SIDE ELEVATION

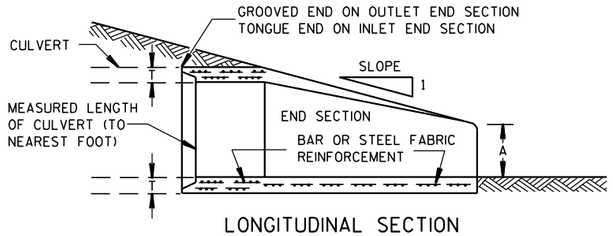
METAL ENDWALLS



PLAN

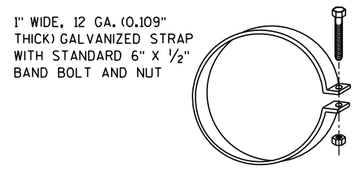


END VIEW



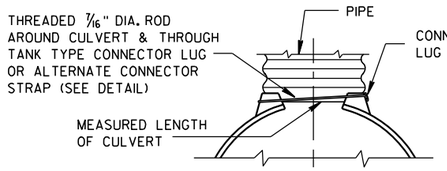
LONGITUDINAL SECTION

CONCRETE ENDWALLS

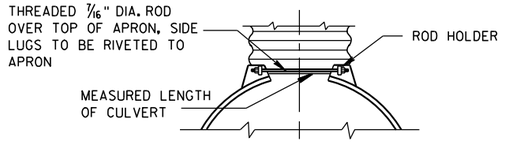


ALTERNATE FOR TYPE 1 CONNECTION

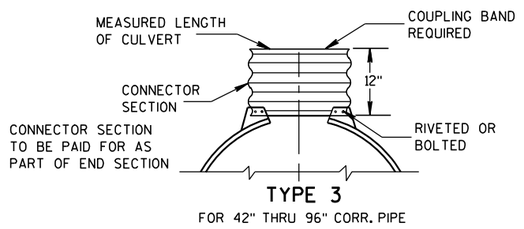
END SECTION CONNECTOR STRAP



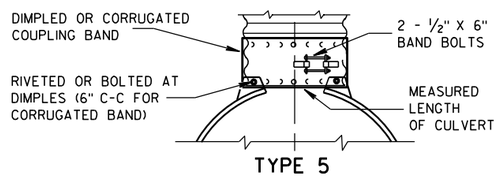
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

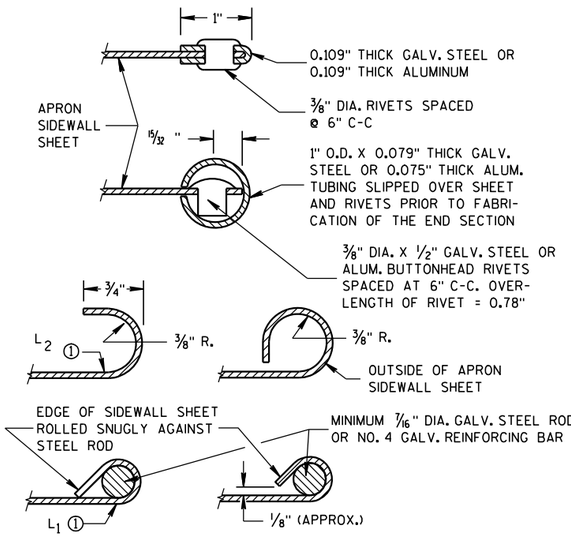
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

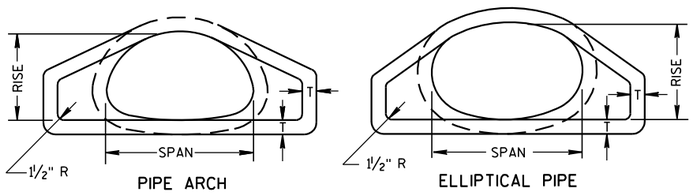
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

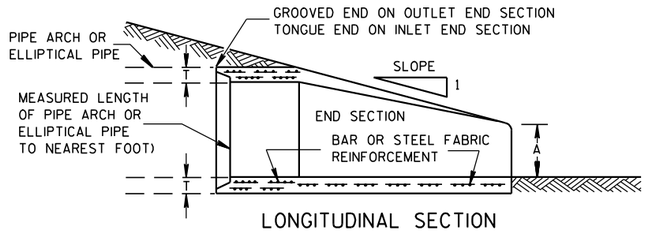
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

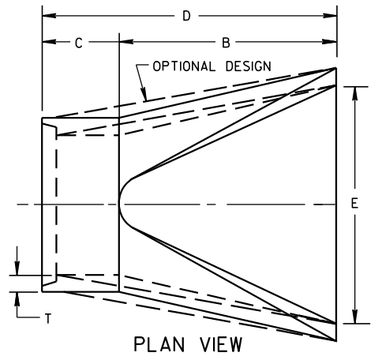
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S.D.D. 8 F 1-11



END VIEW

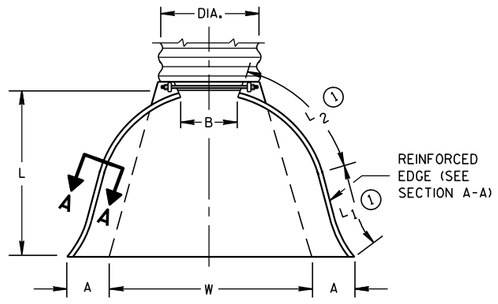


LONGITUDINAL SECTION

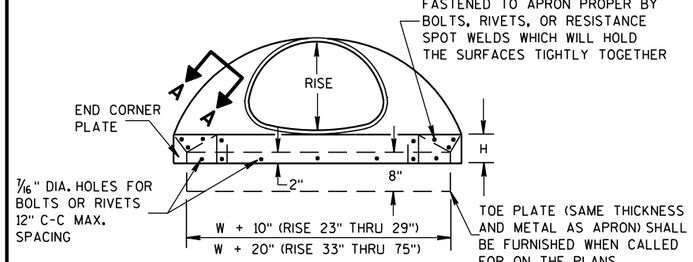


PLAN VIEW

CONCRETE ENDWALLS

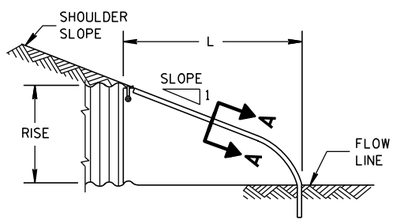


PLAN VIEW



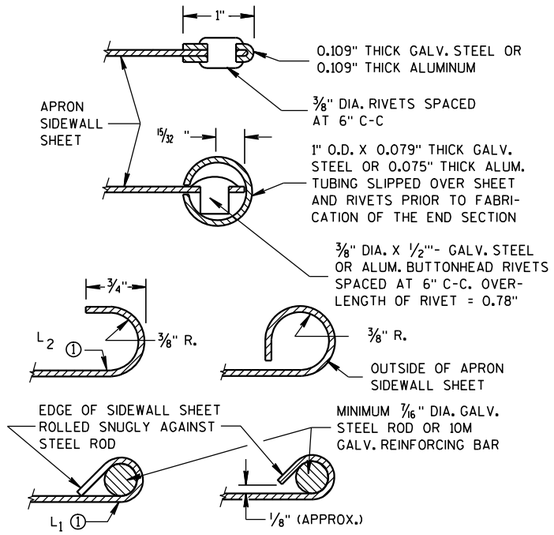
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	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
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

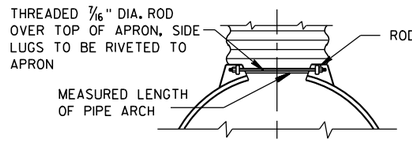
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

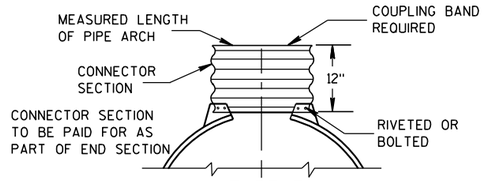
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



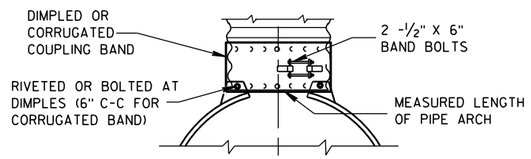
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION 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.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

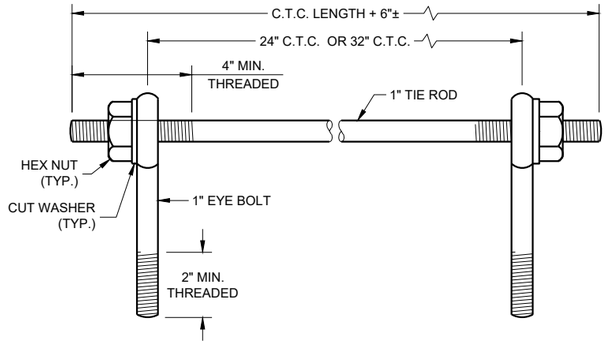
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

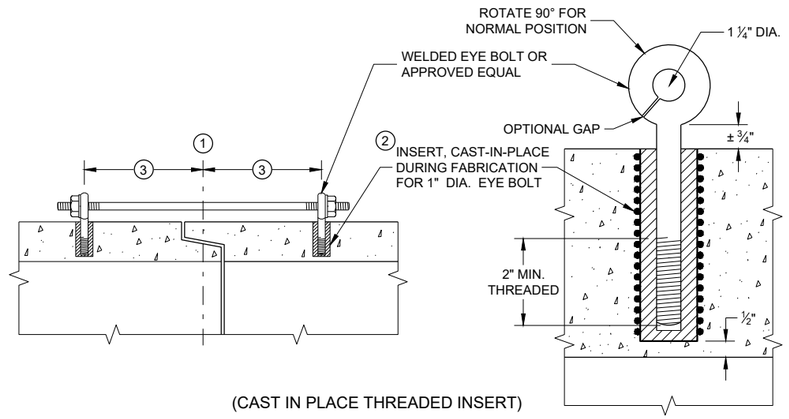
FHWA

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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.

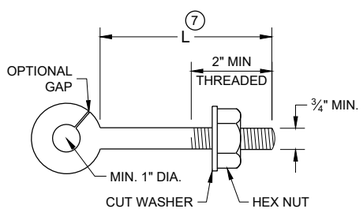
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

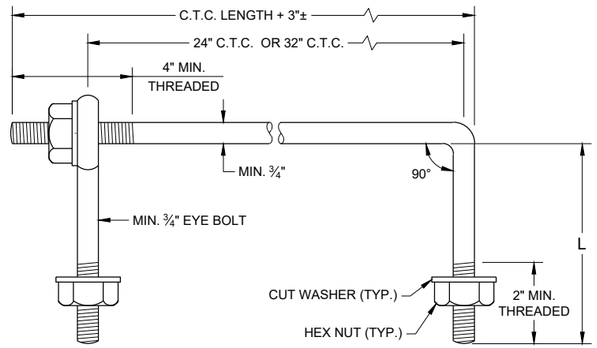
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

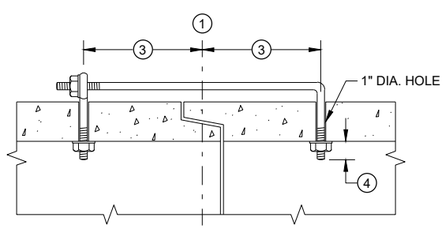


EYE BOLT (7)

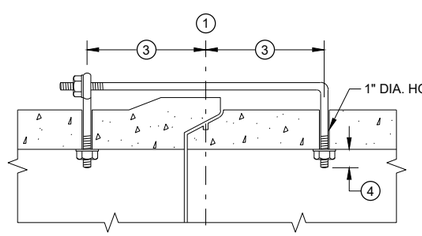
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

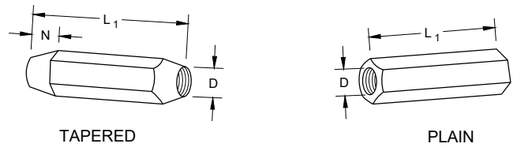
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

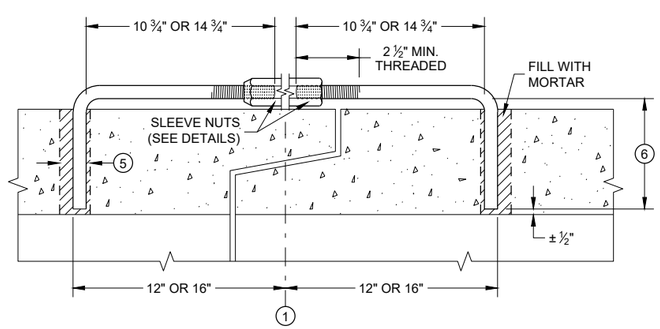
PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



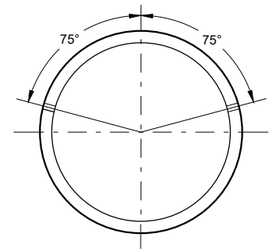
RIGHT AND LEFT THREADS

SLEEVE NUTS



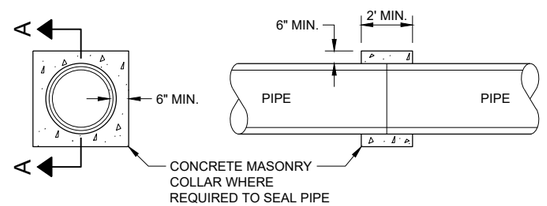
LONGITUDINAL SECTION

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

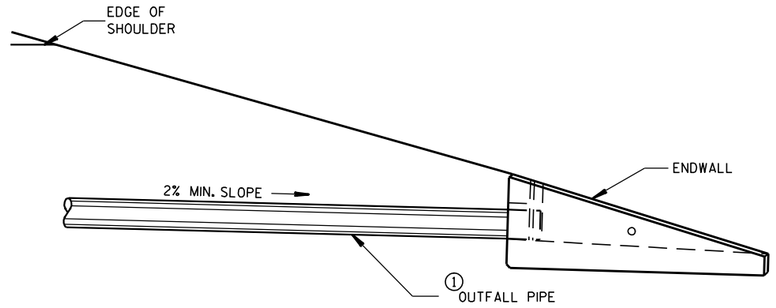
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

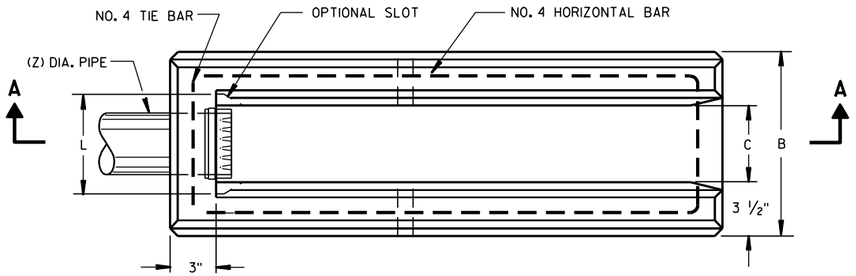
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

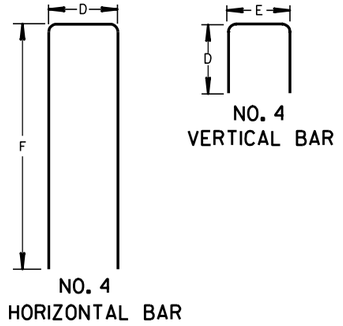
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

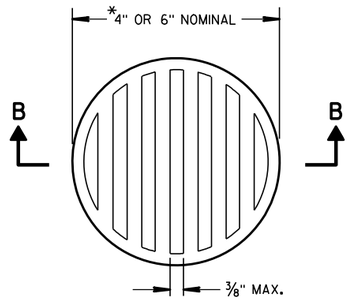
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

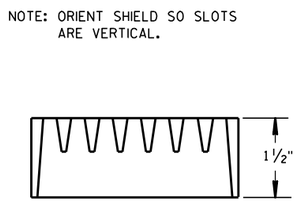


PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS

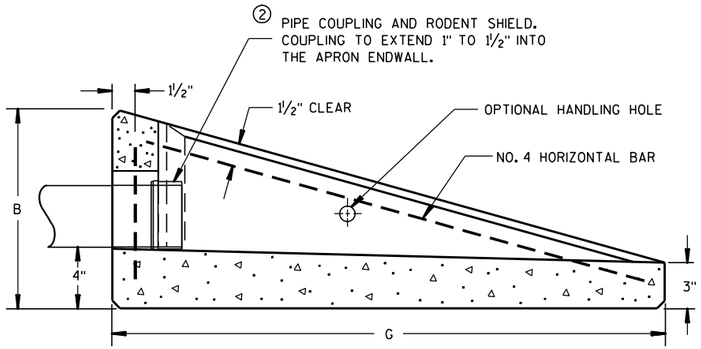




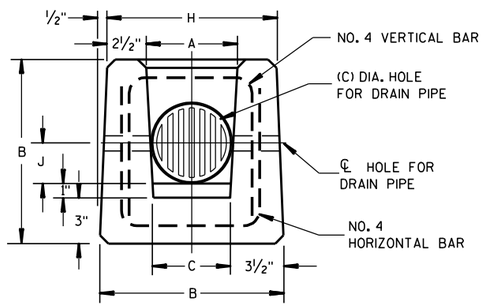
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 6-4

6

S.D.D. 8 F 6-4

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

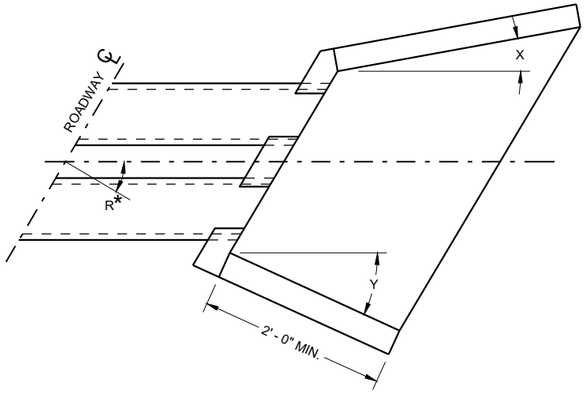
(5) FOUNDATION AND TRENCH BACKFILL ARE MATERIALS INCLUDED IN PAYMENT FOR CULVERT PIPE, PIPE ARCH, CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPSE OR CONCRETE MASONRY ENDWALLS.

(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

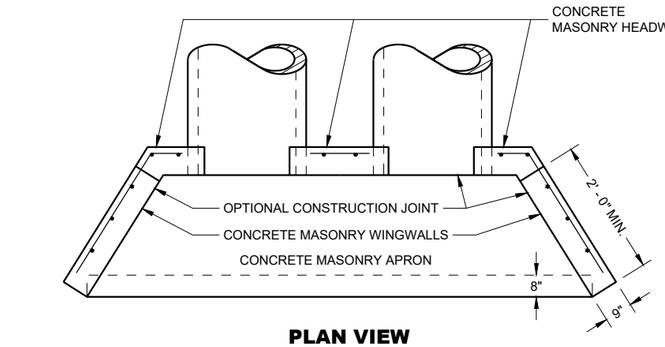
FOUNDATION BACKFILL



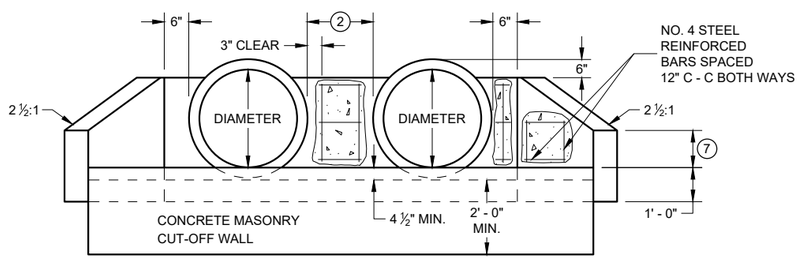
WINGWALL ANGLE DETAILS

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

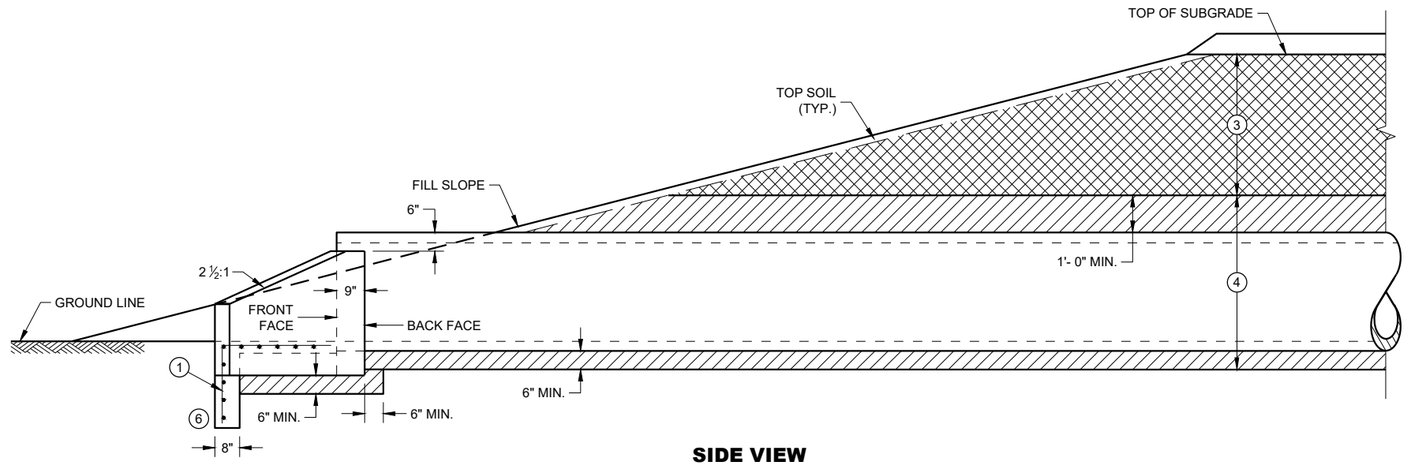


PLAN VIEW



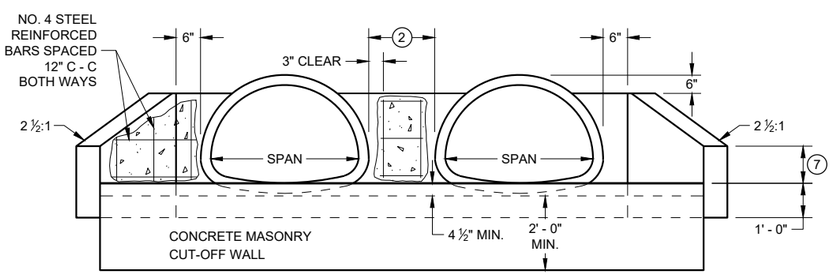
END VIEW

CIRCULAR PIPE



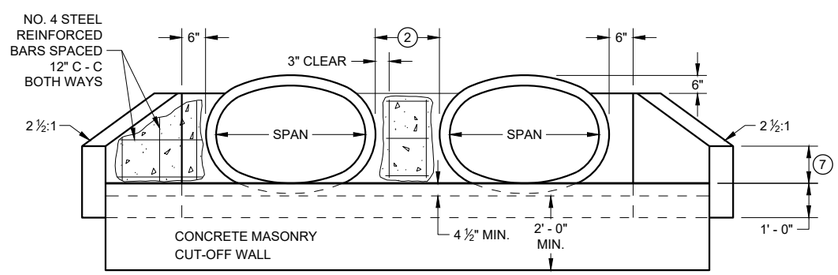
SIDE VIEW

CIRCULAR PIPE, PIPE ARCH OR HORIZONTAL ELLIPSE



END VIEW

PIPE ARCH



END VIEW

HORIZONTAL ELLIPSE

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

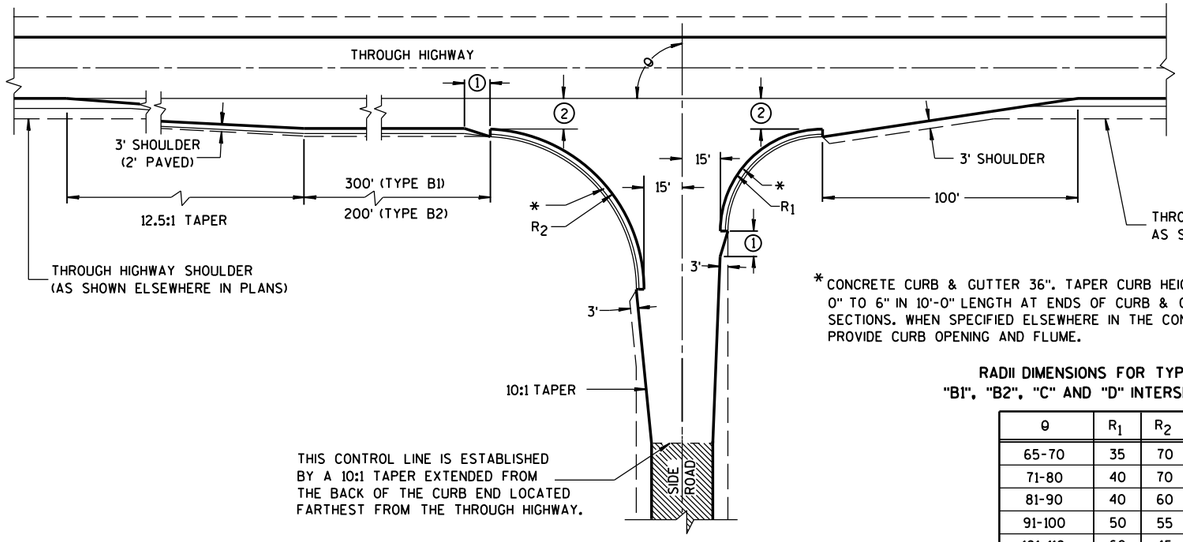
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08F10 - 02

SDD 08F10 - 02

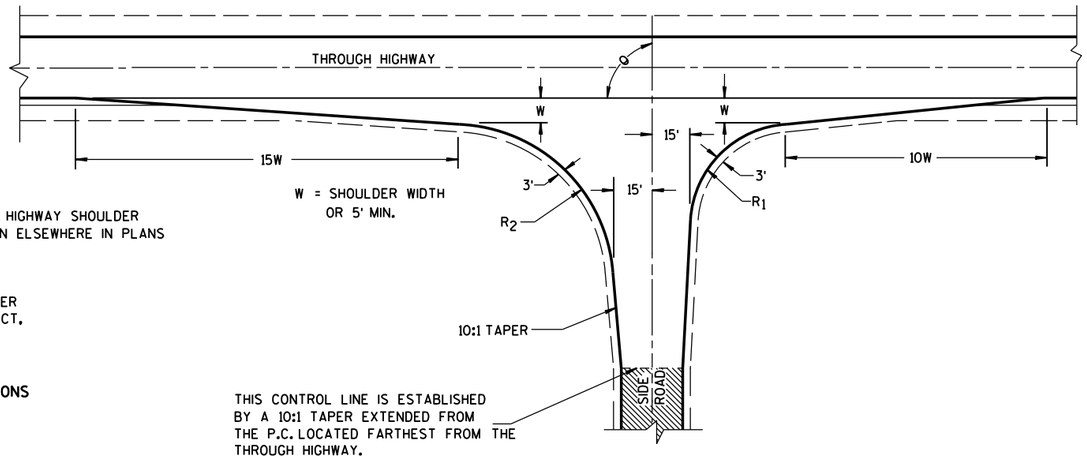


TYPE "B1" AND "B2"

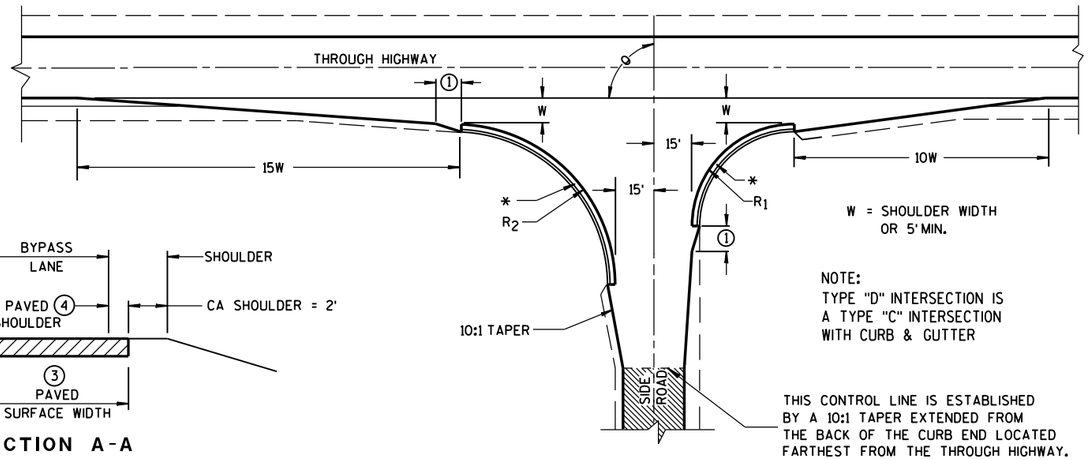
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

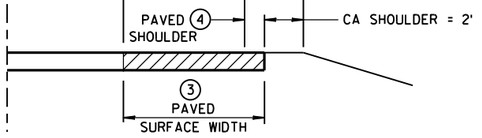
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

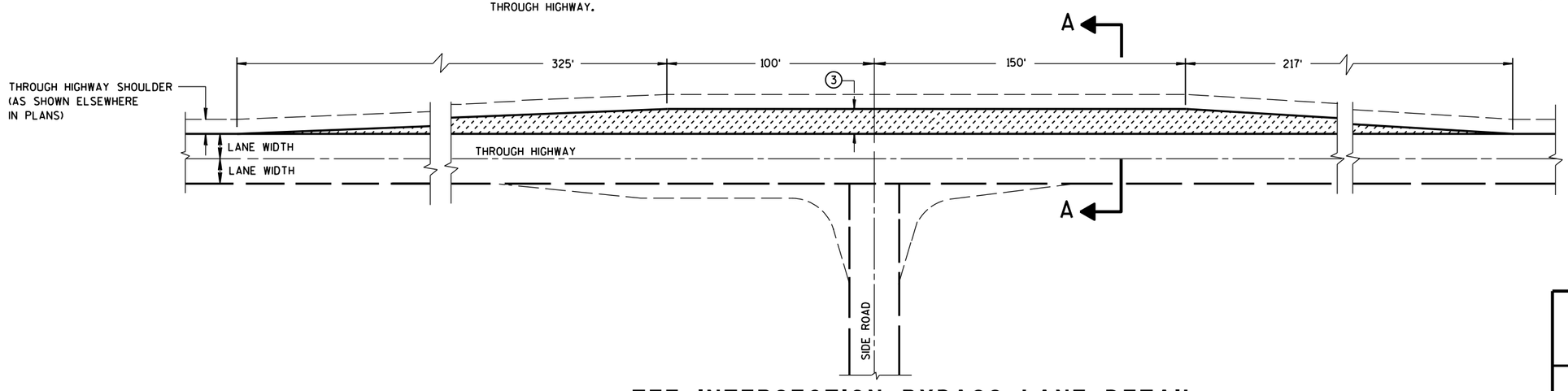
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

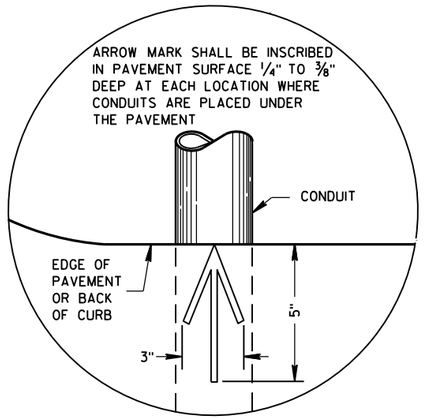


TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

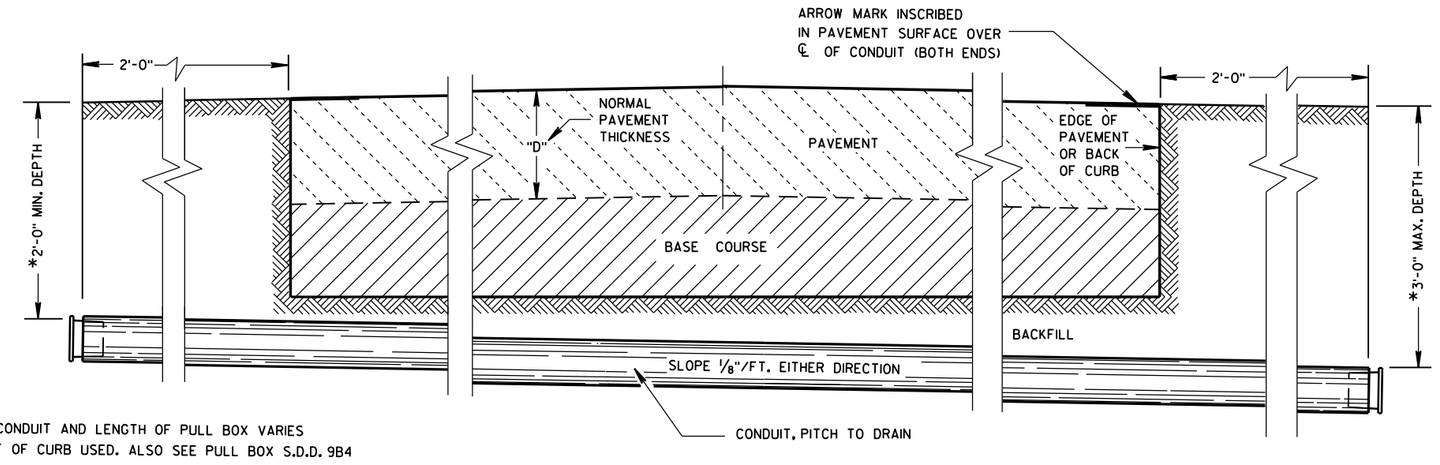
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 9 A 1-13a



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
FHWA

6

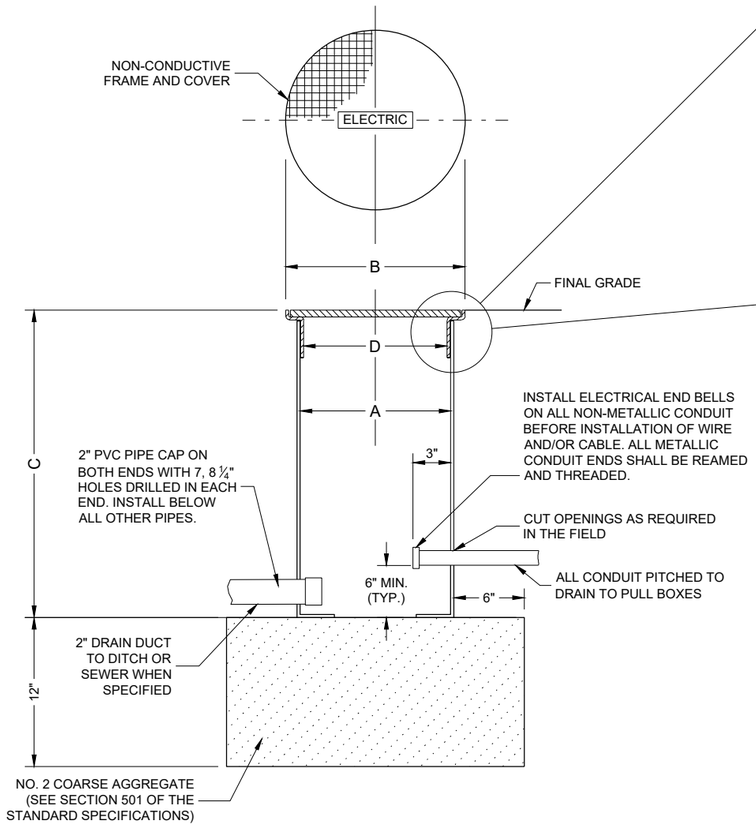
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

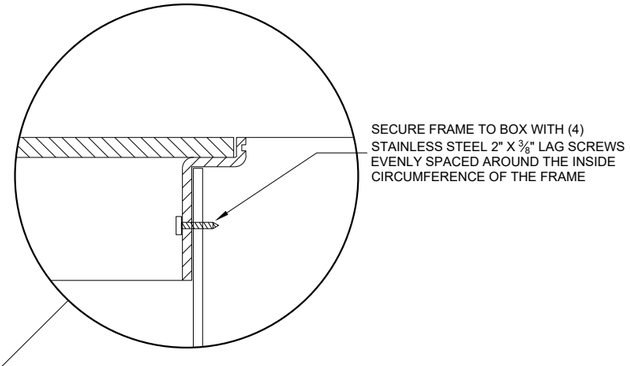
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

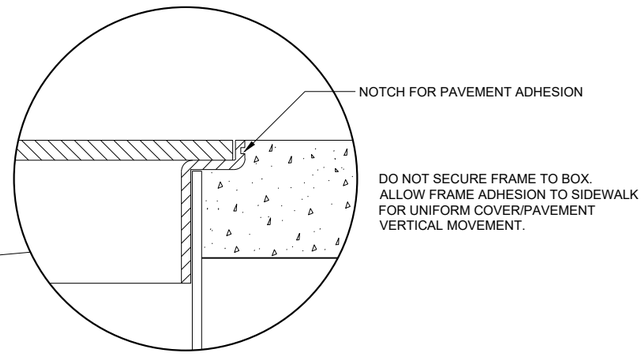
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



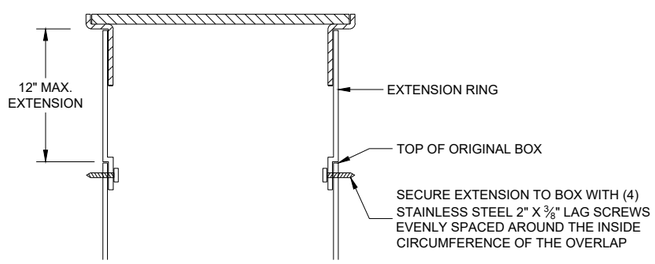
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

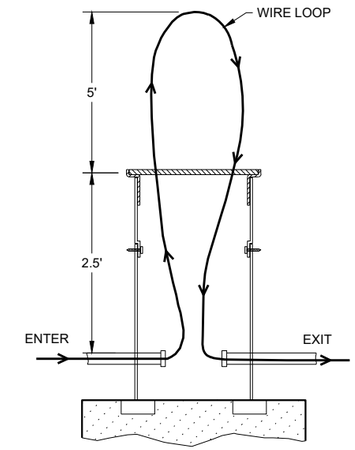
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

6

SDD 09B16 - 02

PULL BOXES NON-CONDUCTIVE

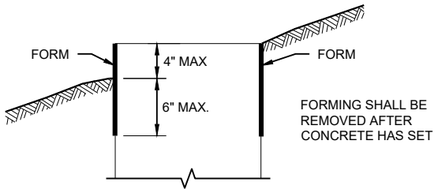
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

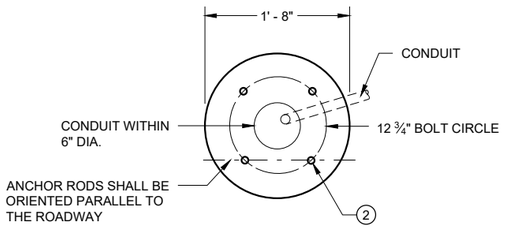
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

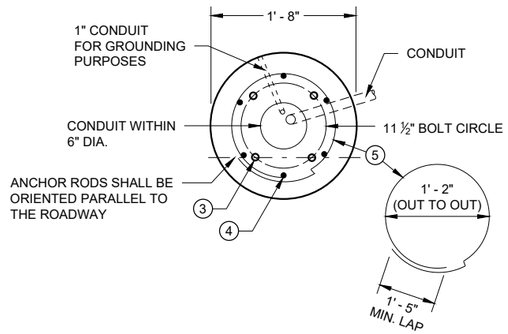
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

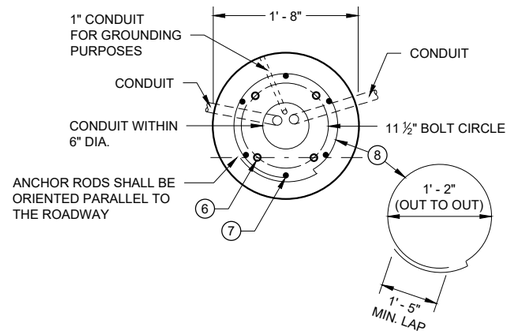
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

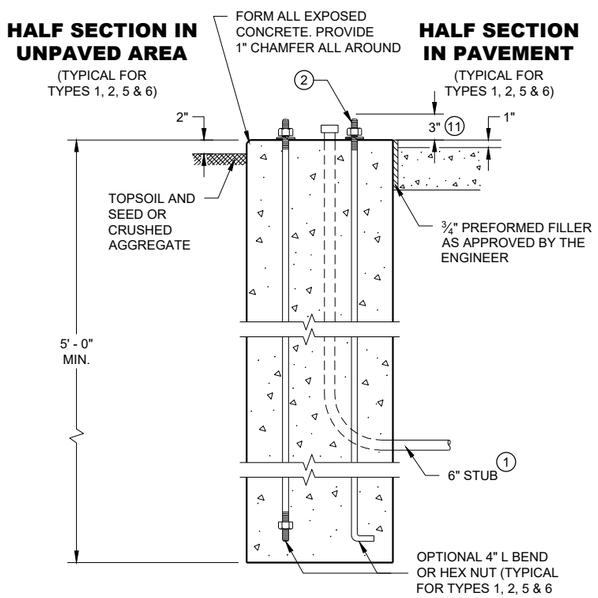
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

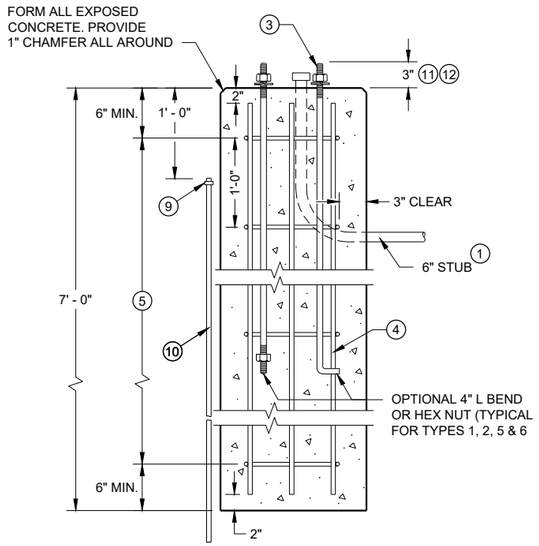




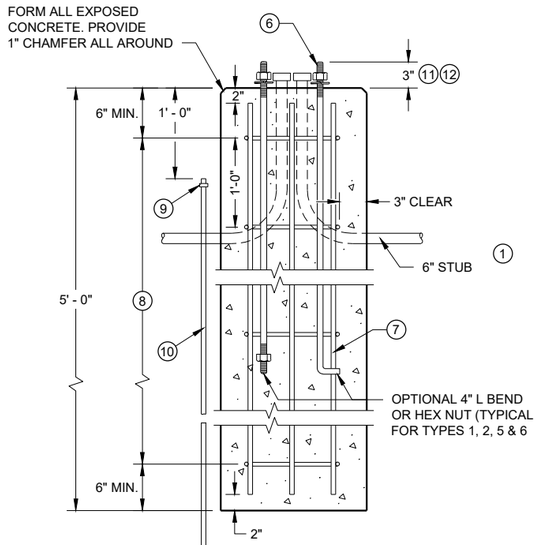




TYPE 1



TYPE 2



TYPE 5 & 6

1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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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.

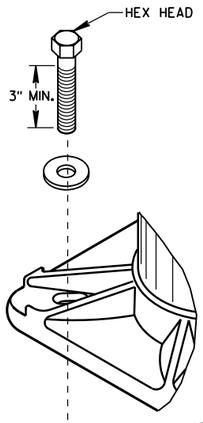
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

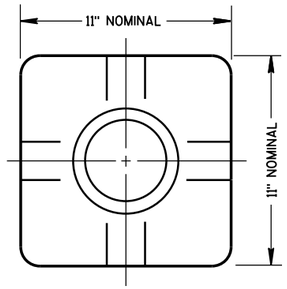
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

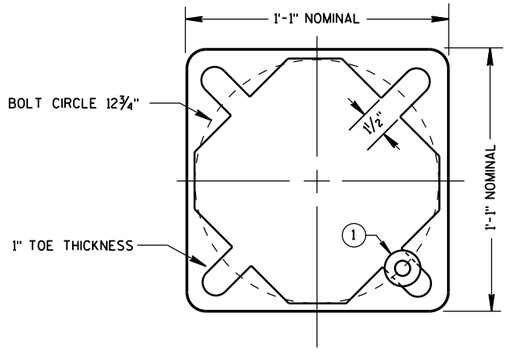
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

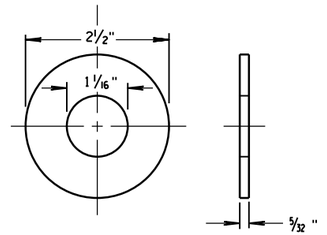




TOP VIEW
(PEDESTAL BASE)

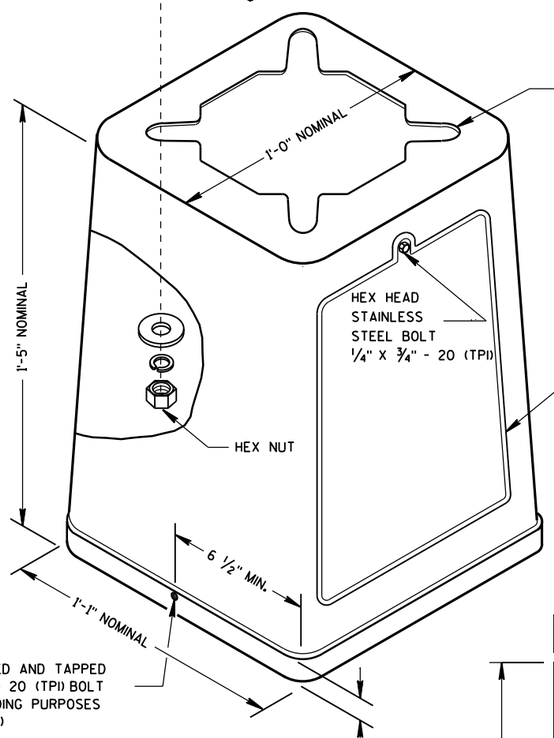


BOTTOM VIEW
(PEDESTAL BASE)

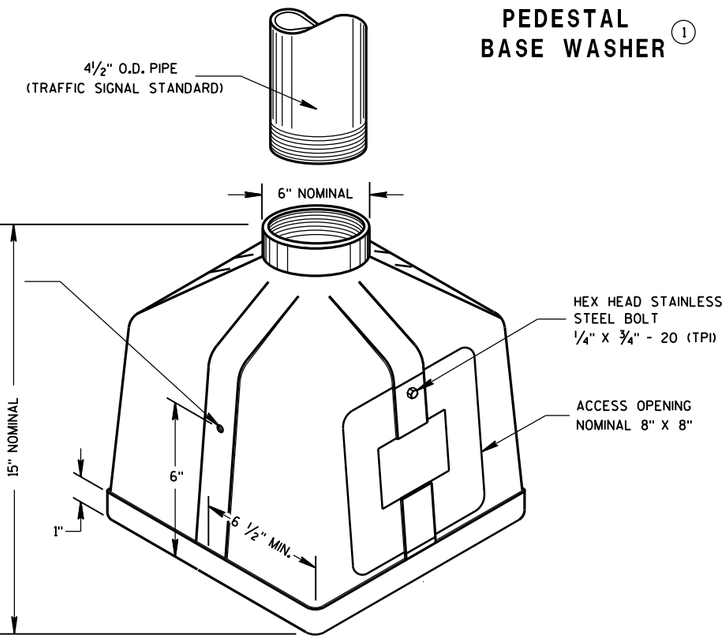


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

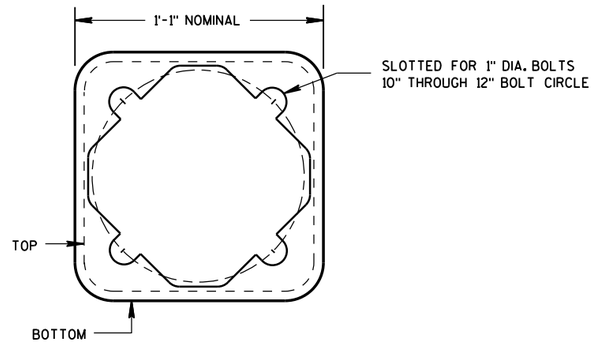
PEDESTAL BASE WASHER (1)



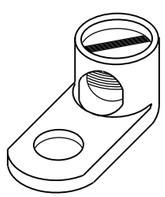
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

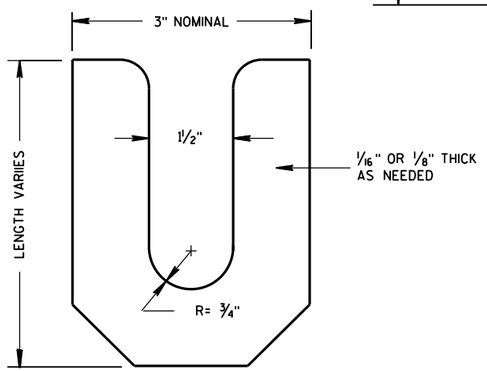


BOTTOM VIEW
(TRANSFORMER BASE)



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

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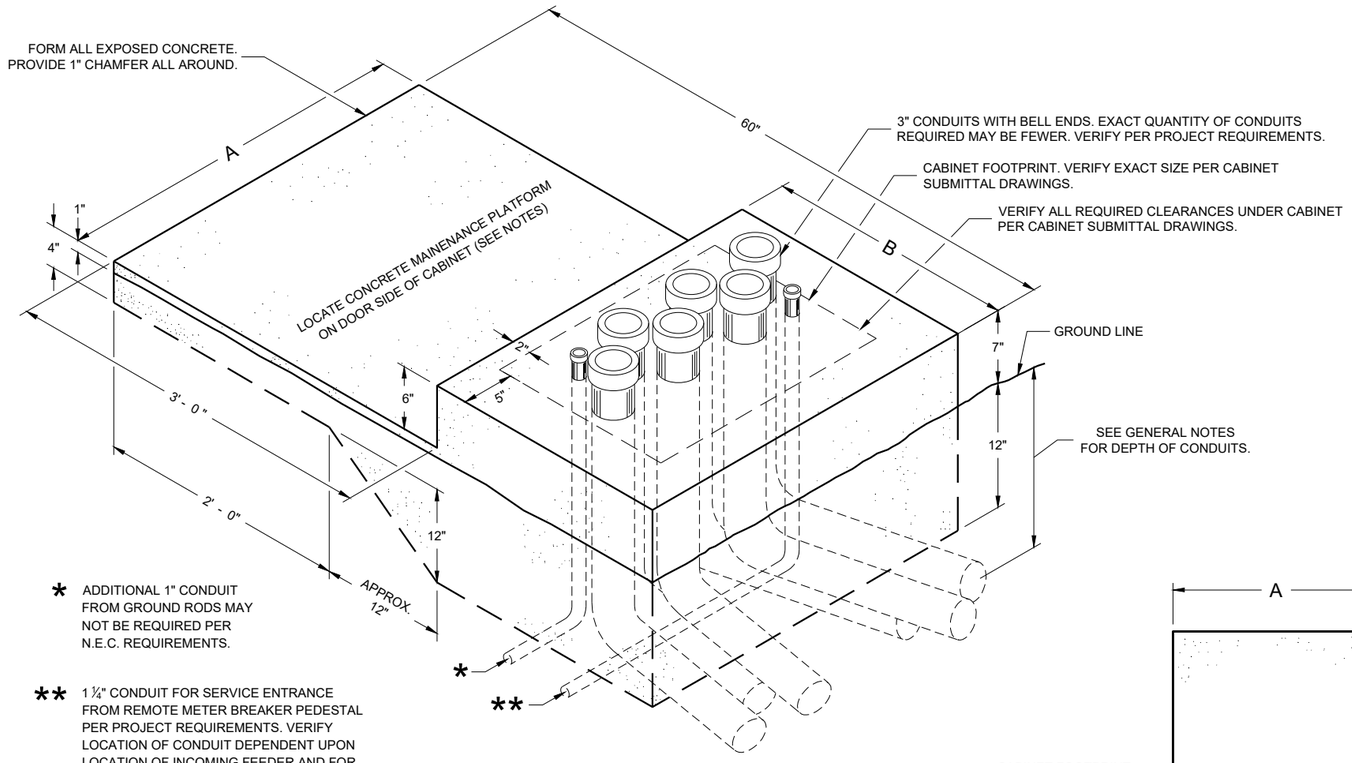
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Sept. 2014 — DATE
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S.D.D. 9 C 3-4



* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

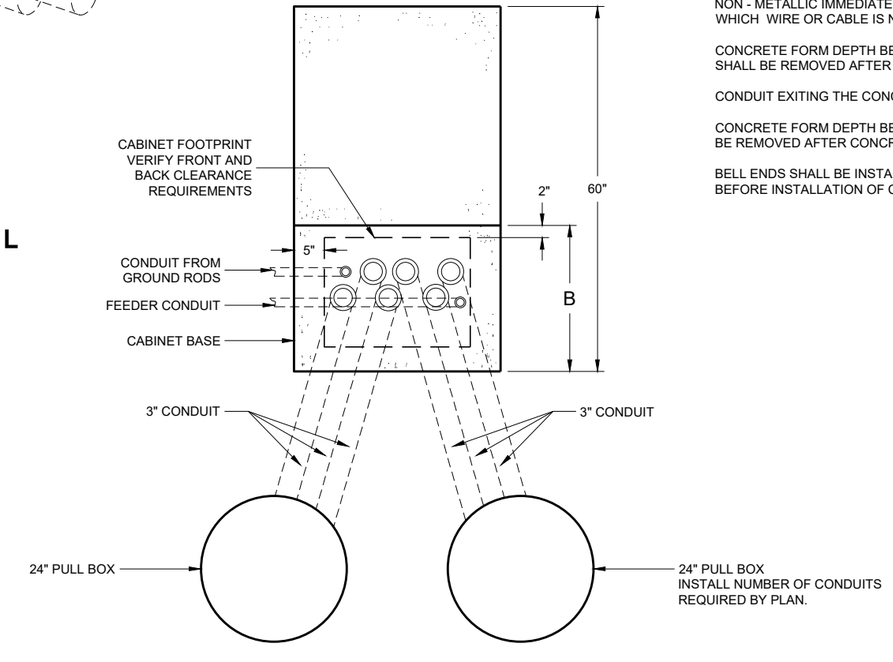
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

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.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC 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 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

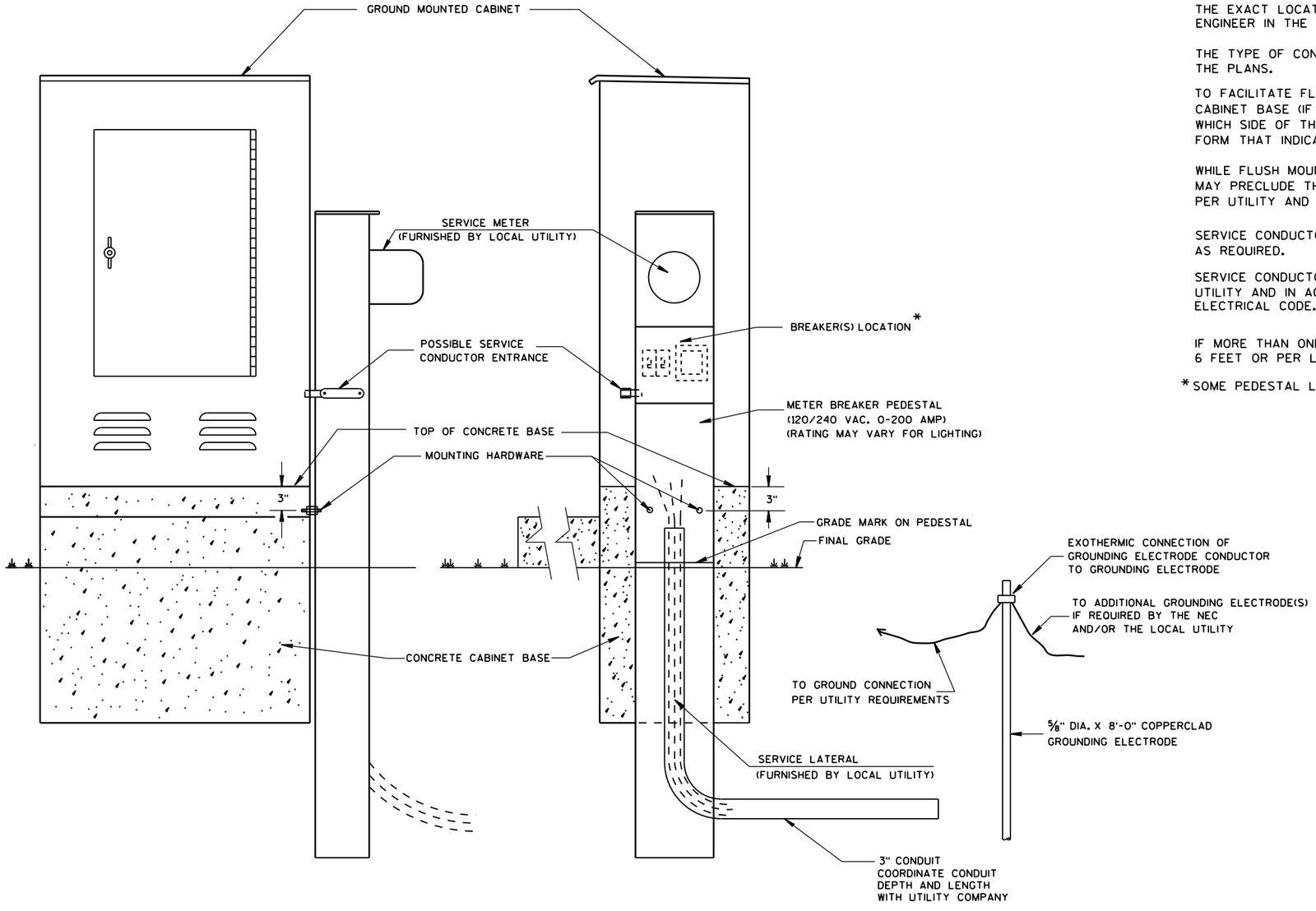
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DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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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

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

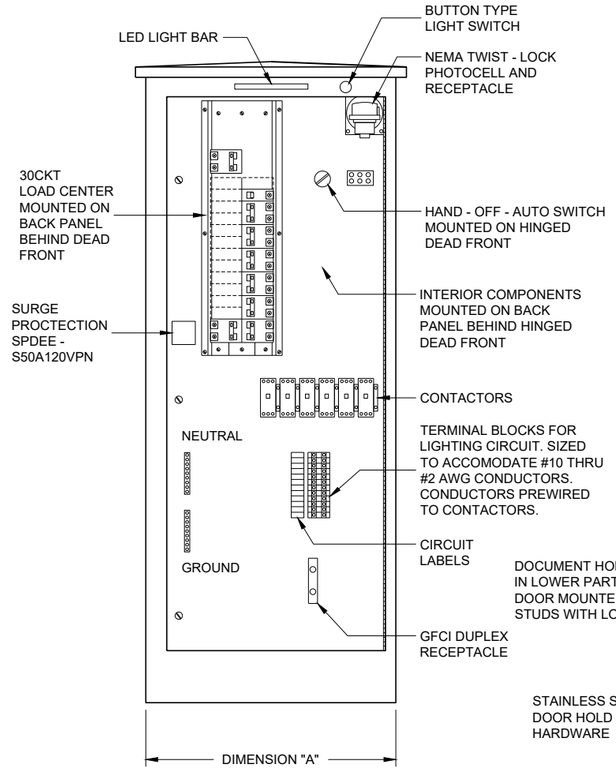
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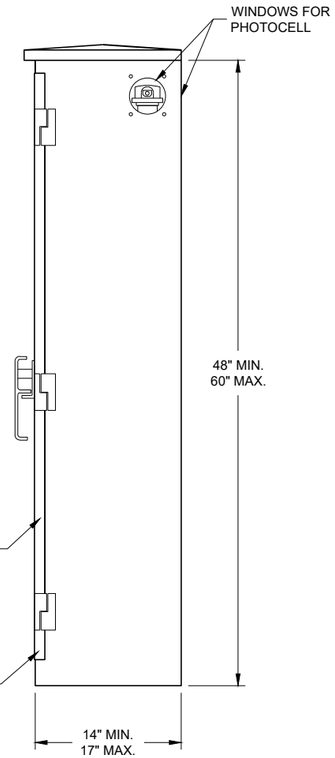
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FRONT INTERIOR ELEVATION



SIDE VIEW



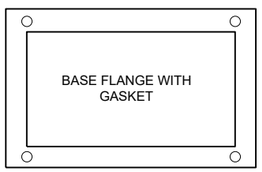
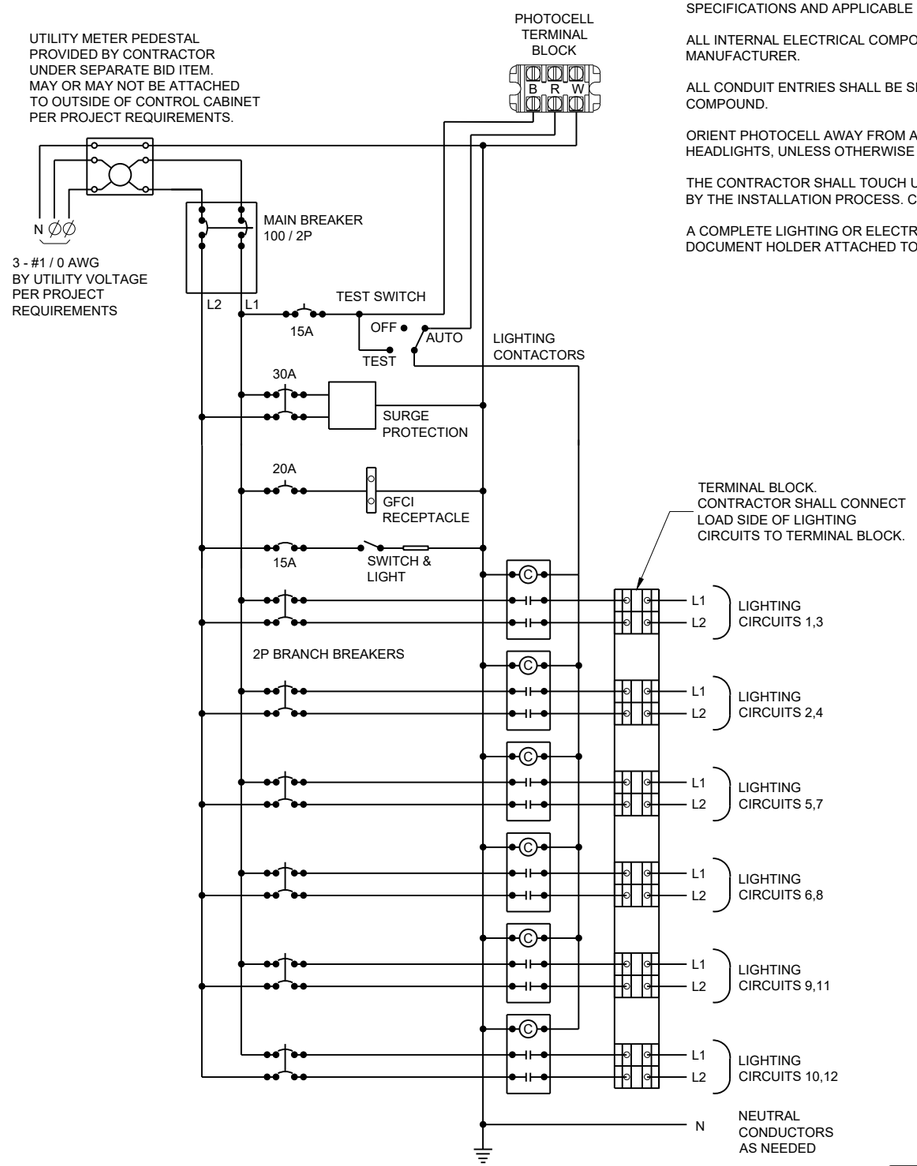


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

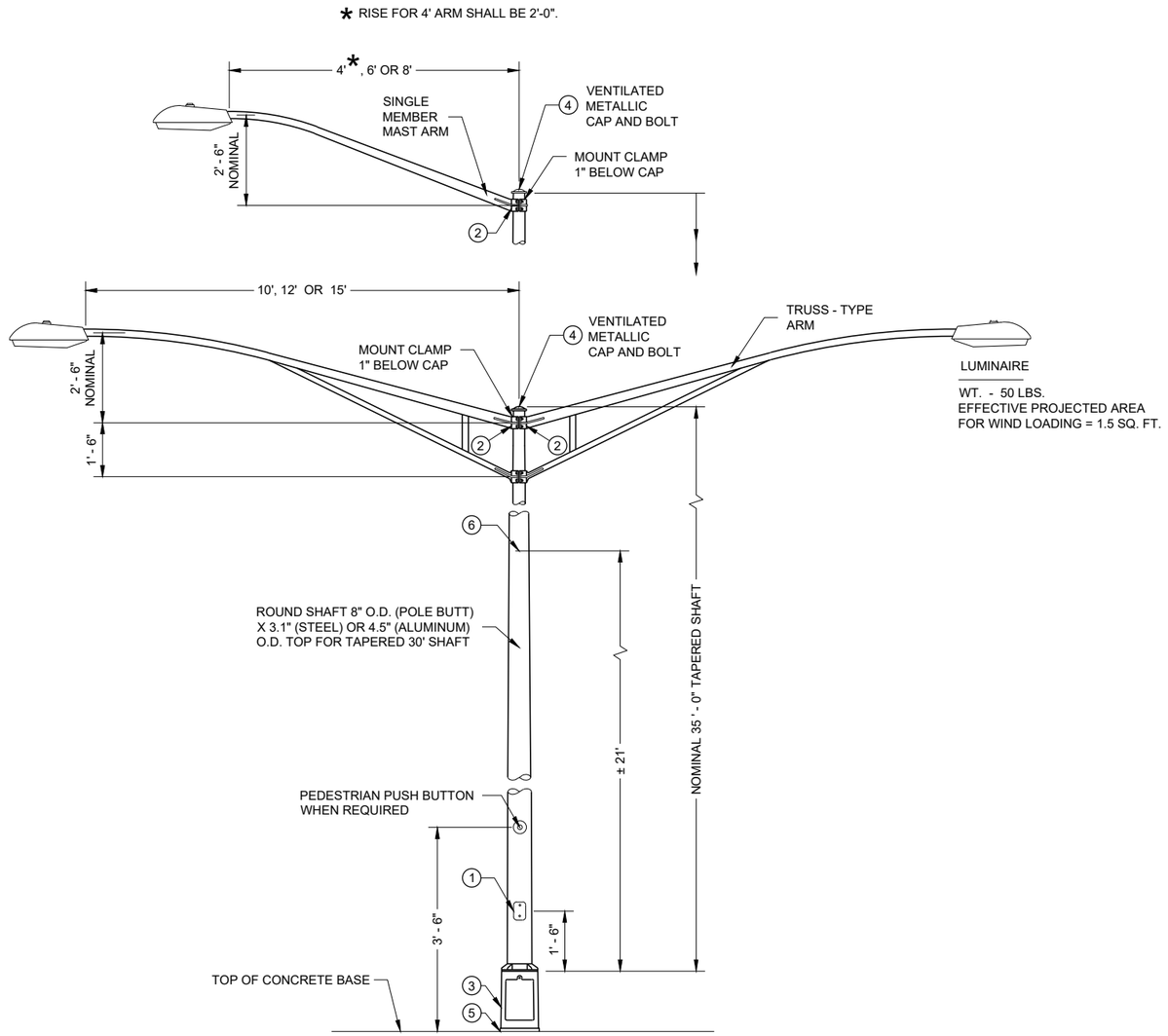
STATE OF WISCONSIN
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APPROVED
November 2018
DATE

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TYPE 6 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 6 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

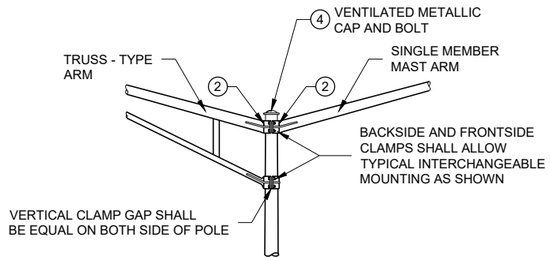
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

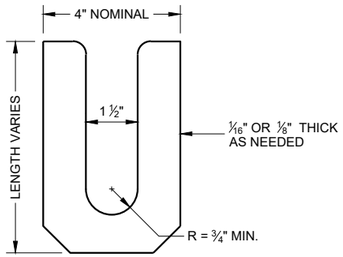
(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

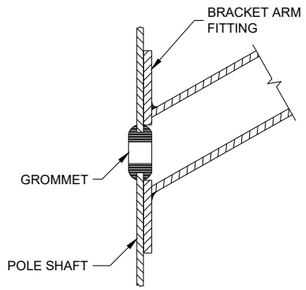


INTERCHANGEABLE MOUNTING DETAIL

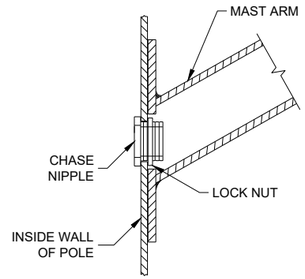
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)



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.

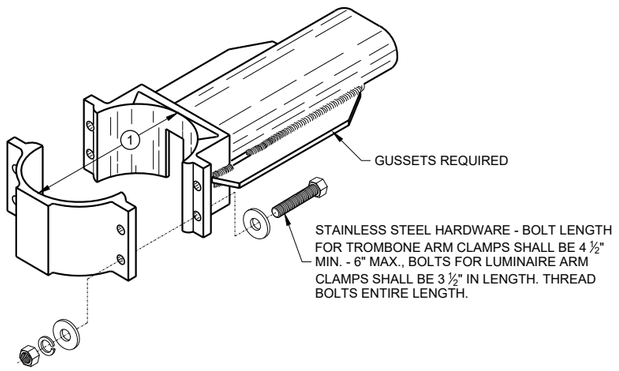
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

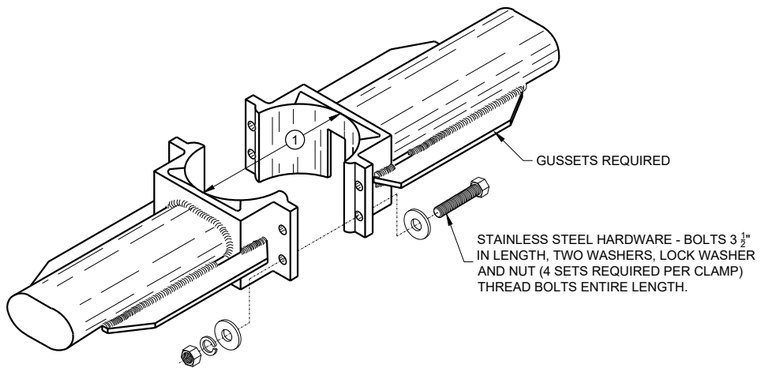
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

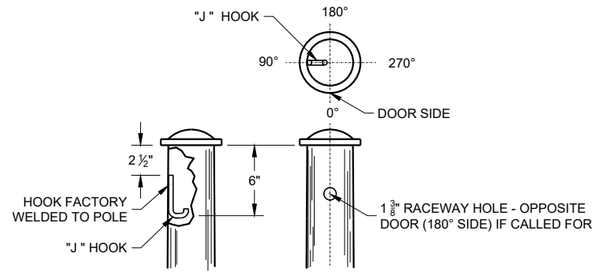
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



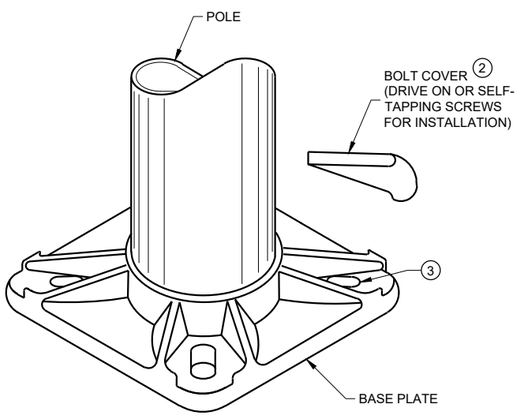
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



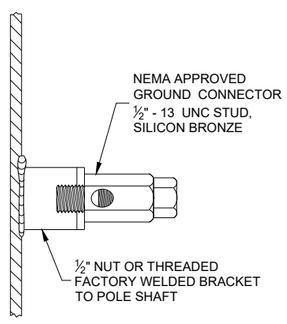
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

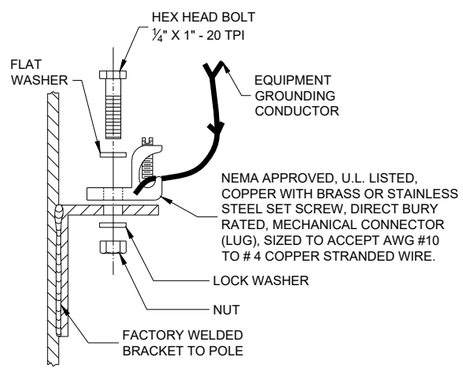


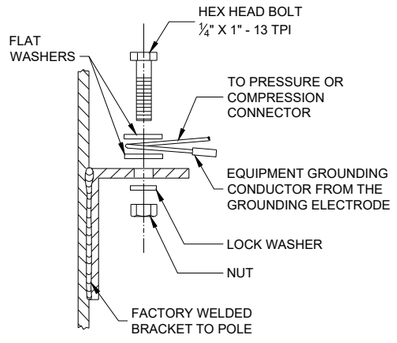
TYPICAL "J" HOOK LOCATION



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 165

FHWA

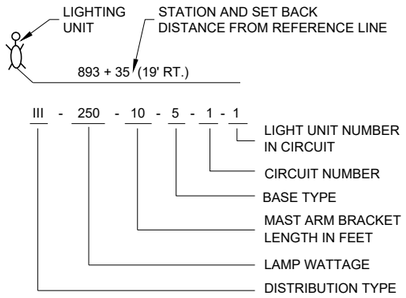
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SDD 09E01 - 15g

GENERAL NOTES

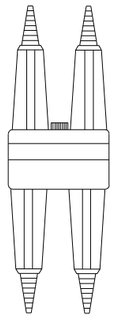
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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.

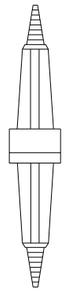
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



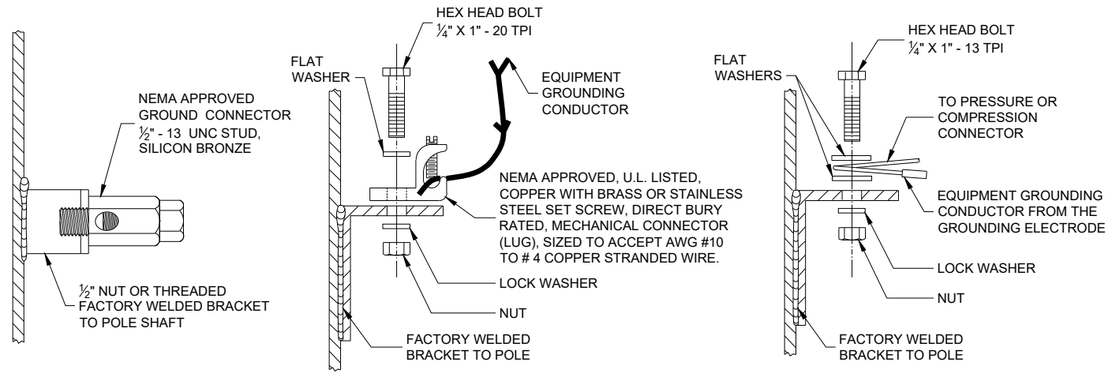
LIGHTING UNIT CODE
(TYPICAL)



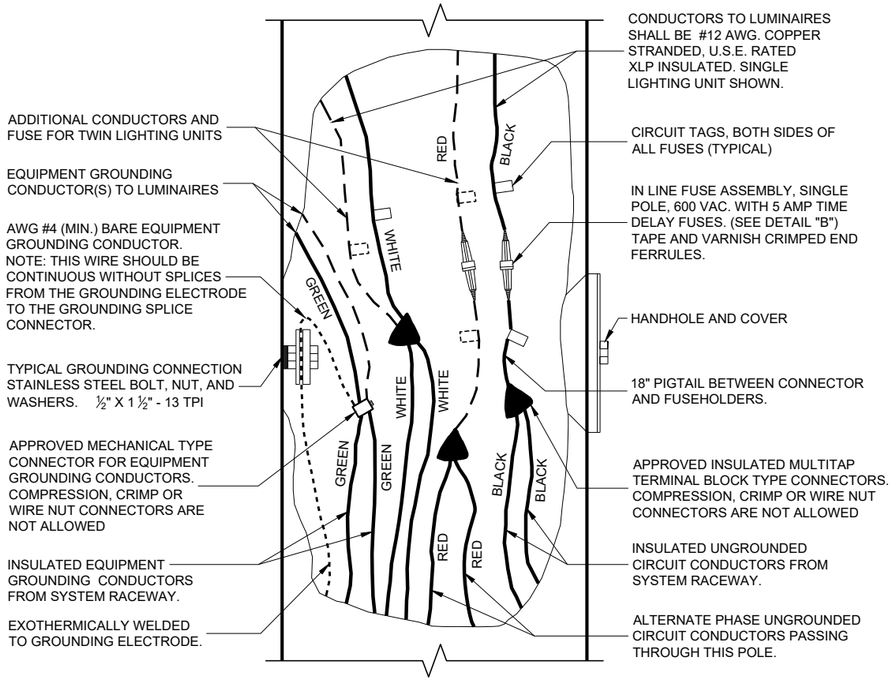
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



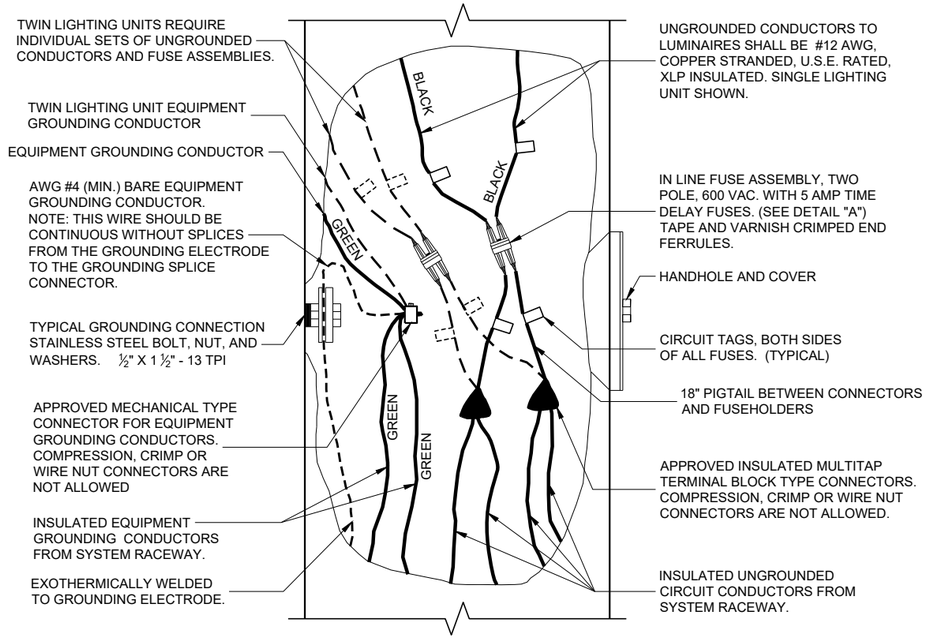
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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

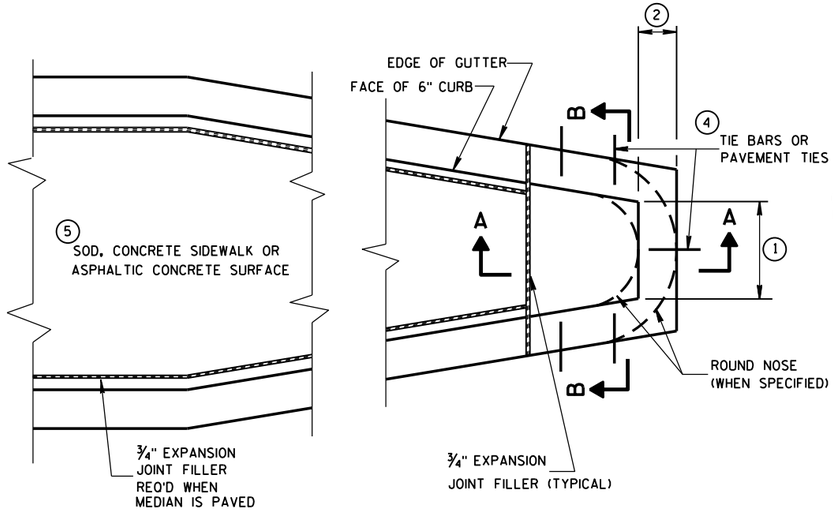
NON - FREEWAY LIGHTING UNIT POLE WIRING

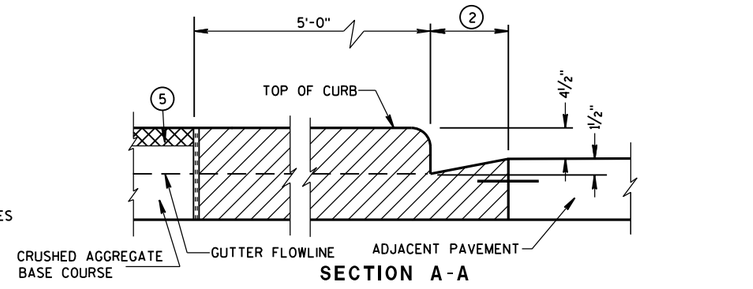
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

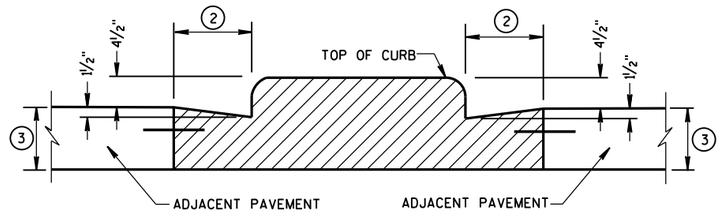
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09E03 - 06







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.

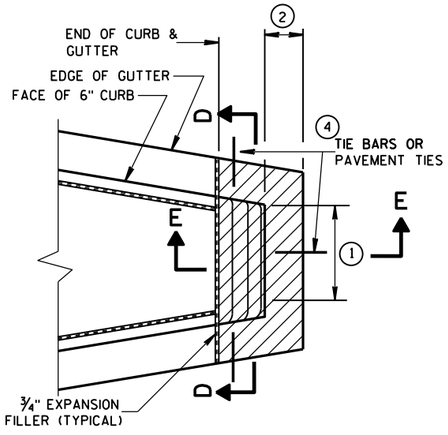
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

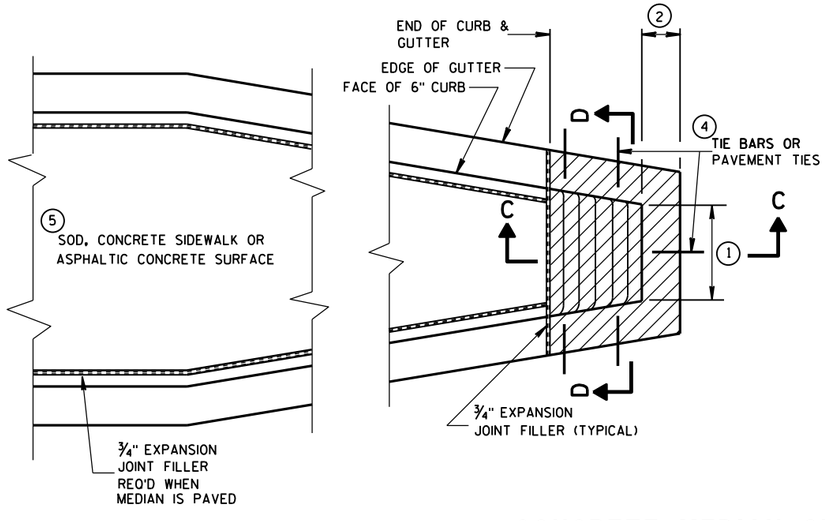
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

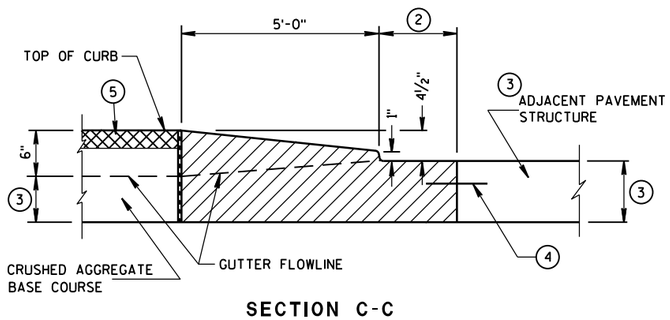
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

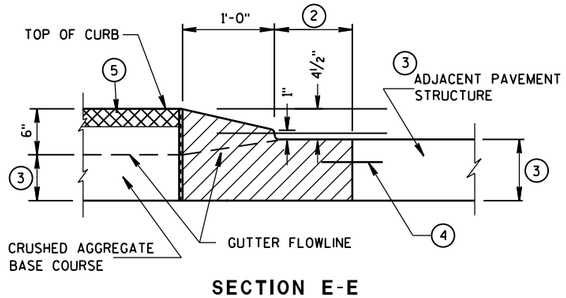
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



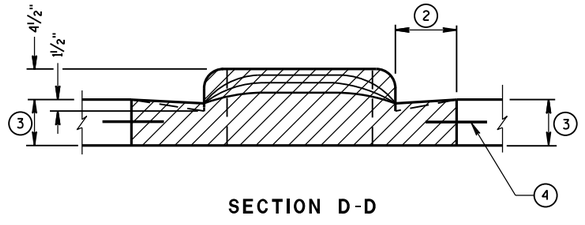






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER

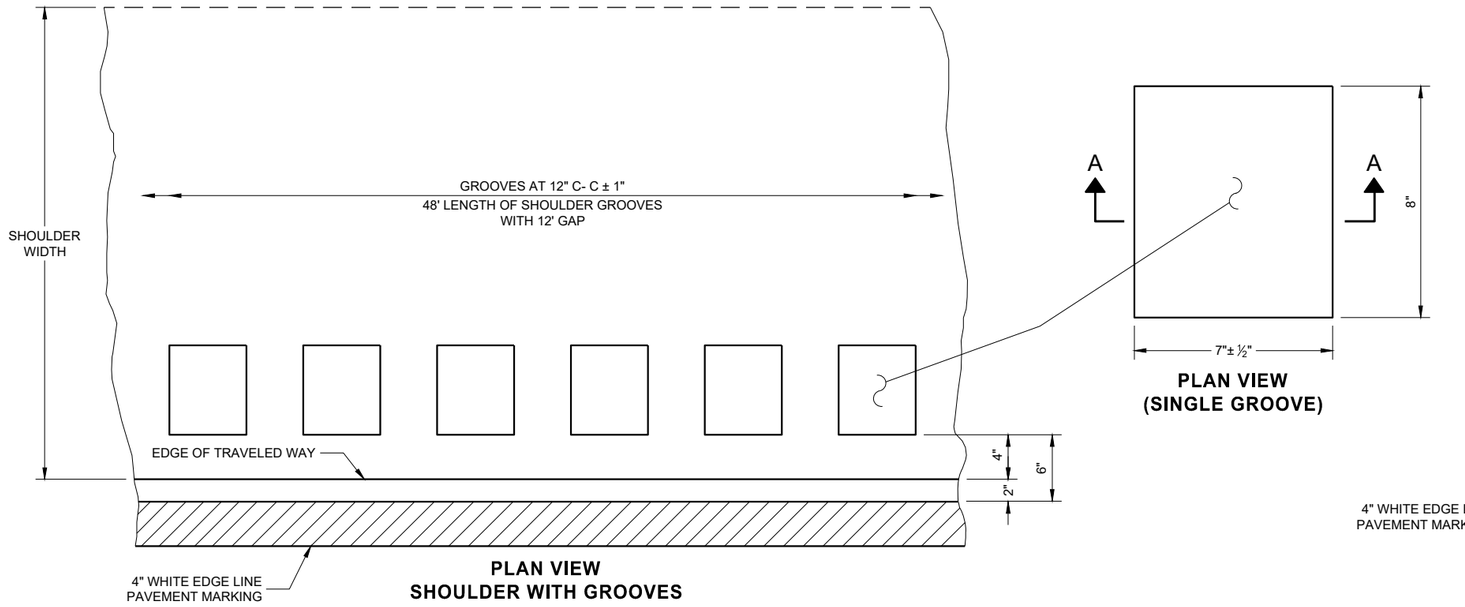
FHWA

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S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



PLAN VIEW
SHOULDER WITH GROOVES

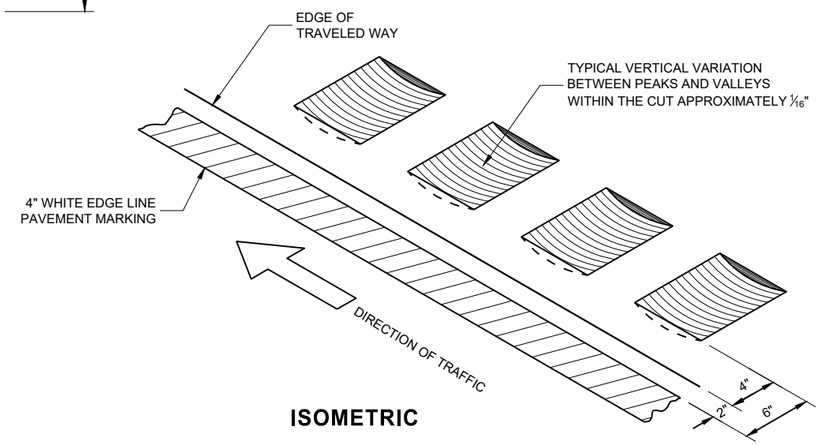
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

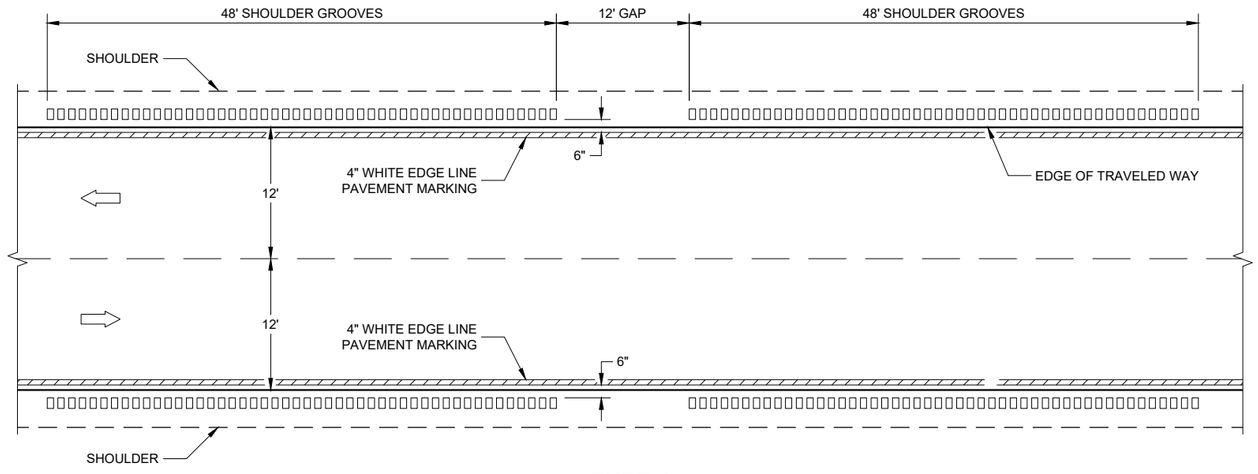
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

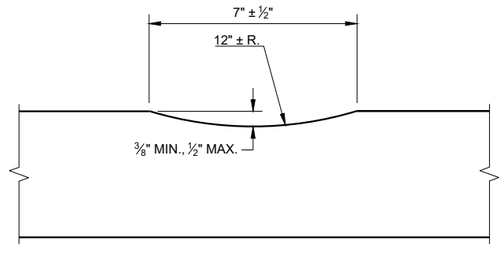


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PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



TYPE 1
2 - LANE SHOULDER RUMBLE STRIP



SECTION A - A

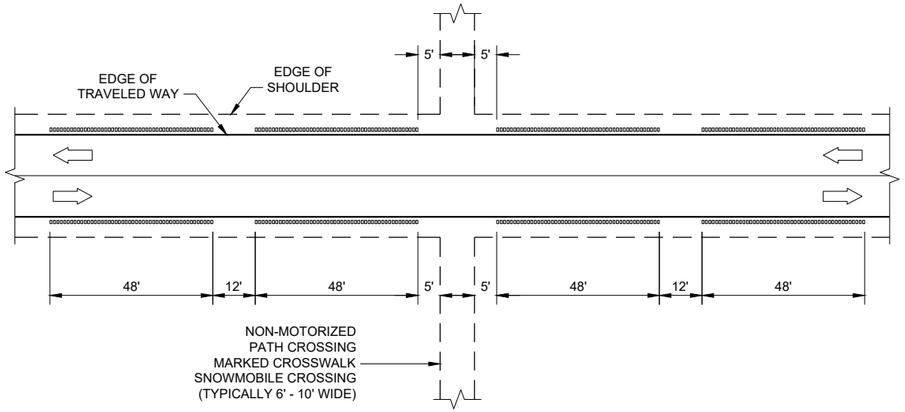
2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

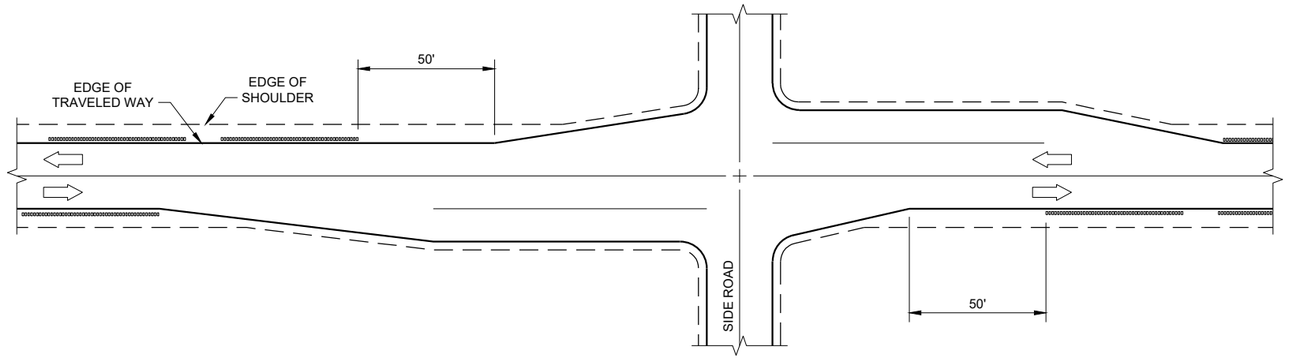
SDD 13A10 - 02a

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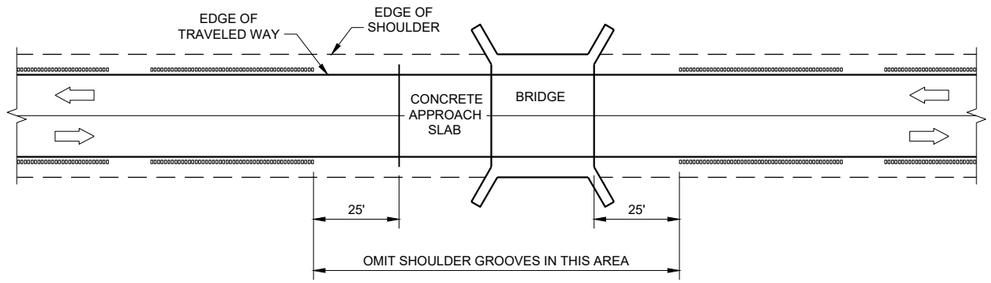
SDD 13A10 - 02a



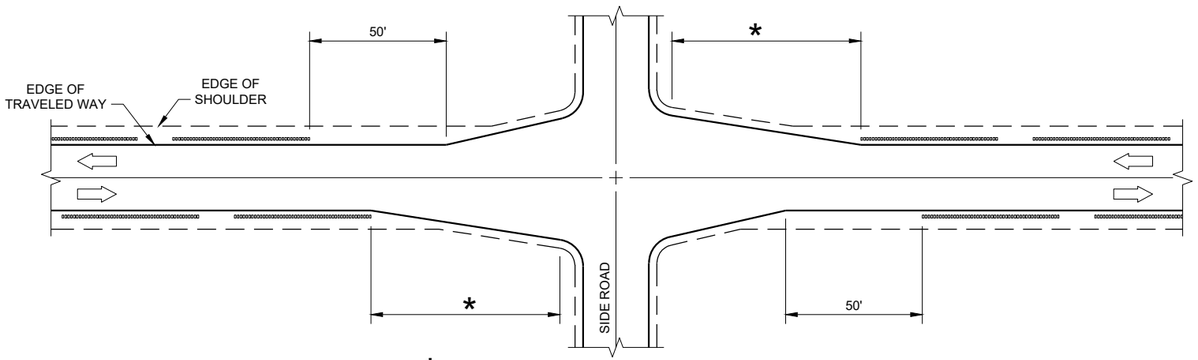
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



SHOULDER GROOVES AT RIGHT TURN LANE

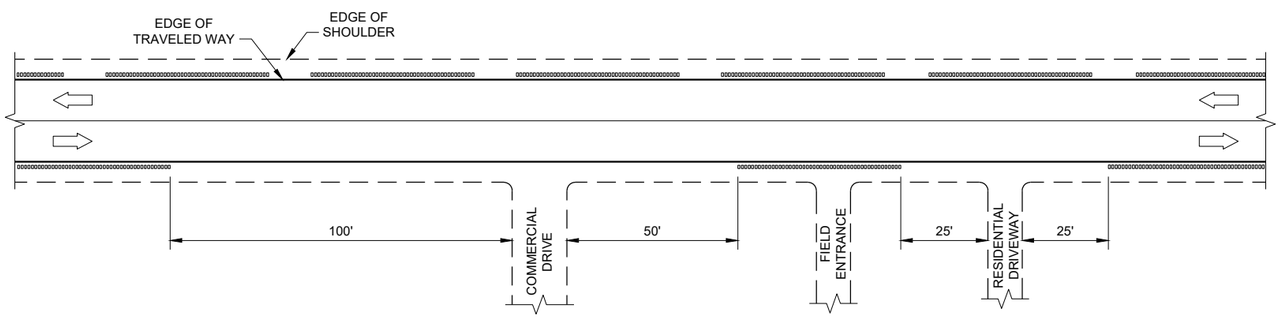


SHOULDER GROOVES AT BRIDGES



* GREATER OF 100' OR APPROACH TAPER LENGTH

SHOULDER GROOVES AT INTERSECTIONS WITH APPROACH TAPER



SHOULDER GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

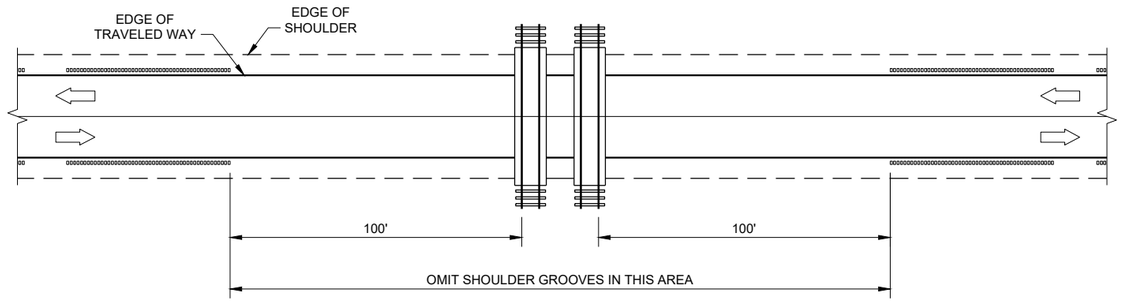
(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

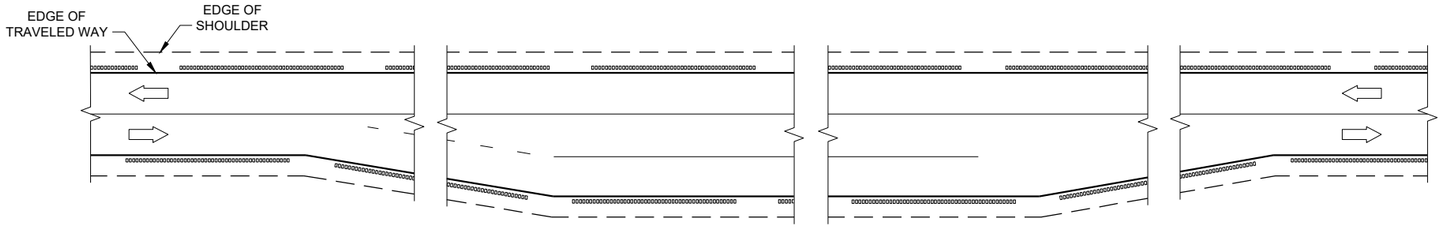
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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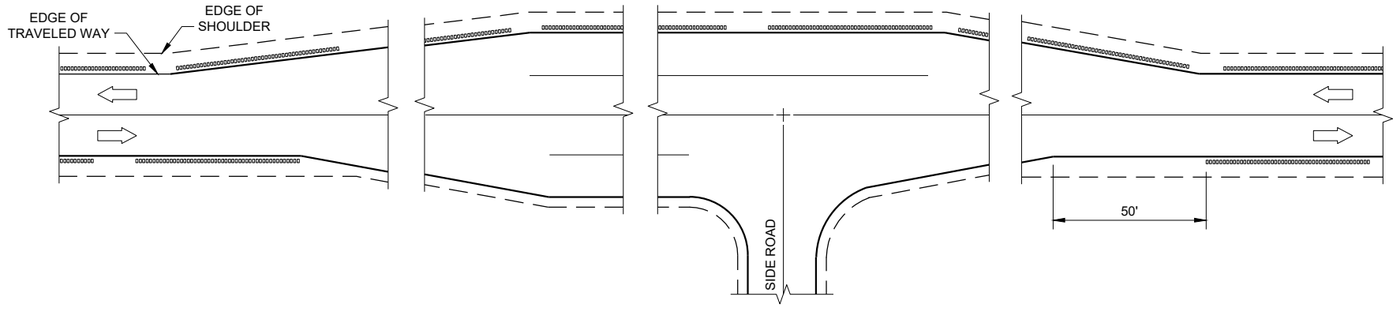
SDD 13A10 - 02c
SDD 13A10 - 02c



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

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SDD 13A10 - 02d

SDD13A10 - 02d

2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING

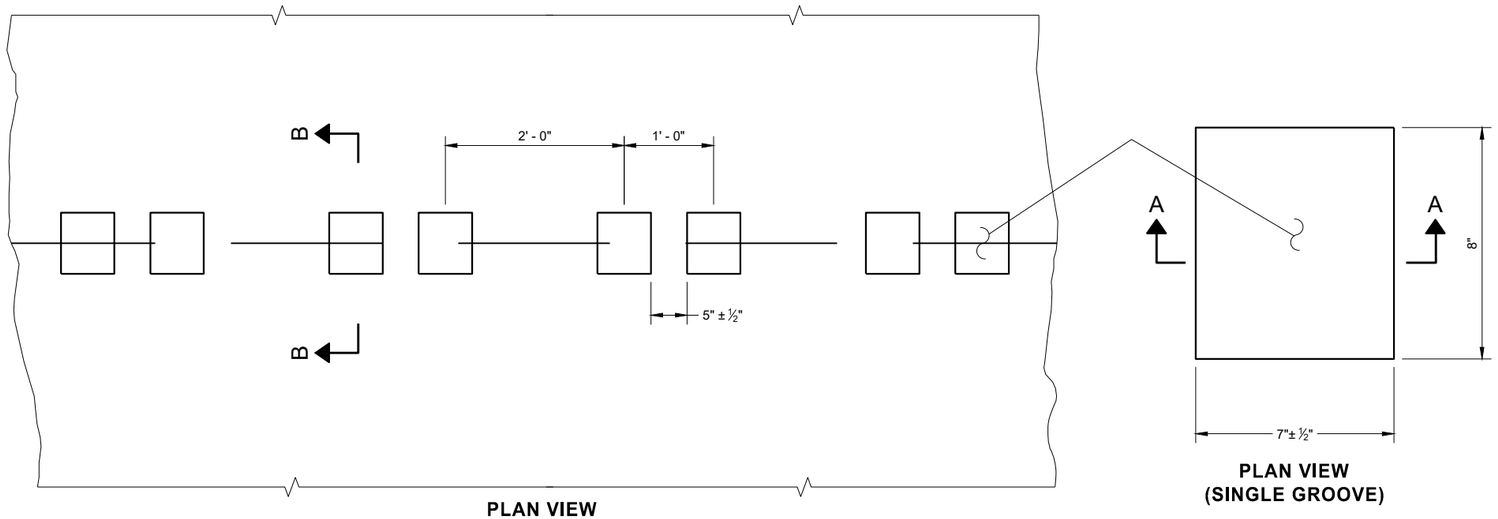
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP

GENERAL NOTES

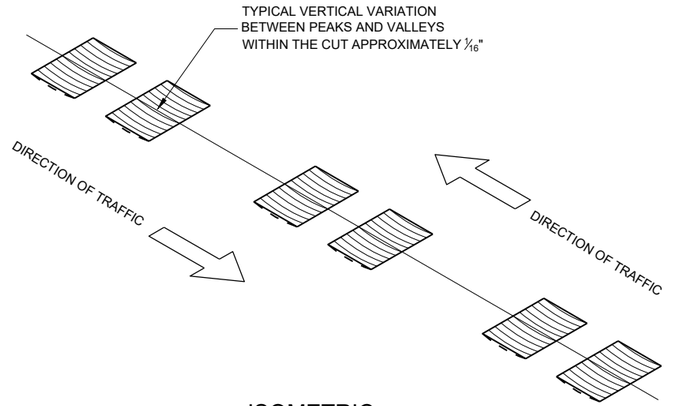
DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTERLINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

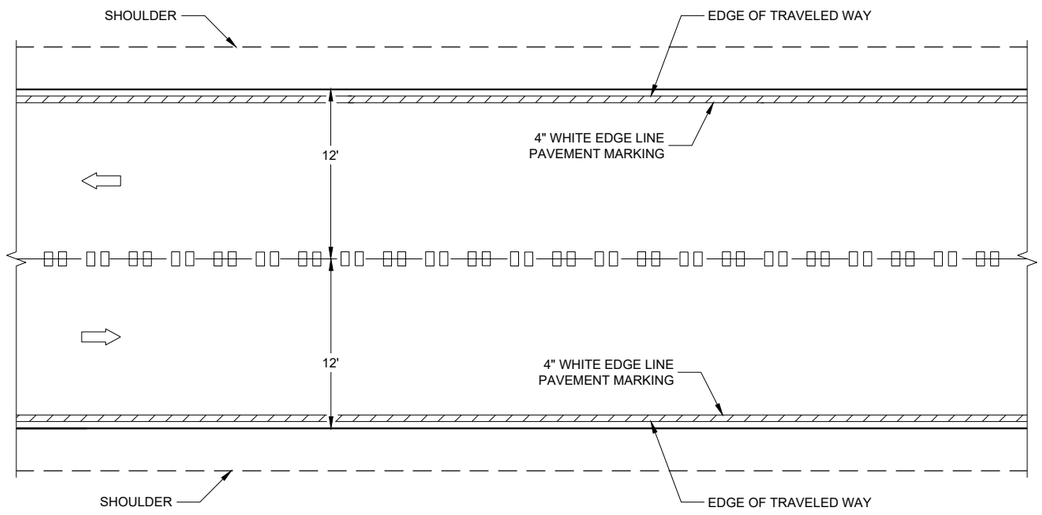
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

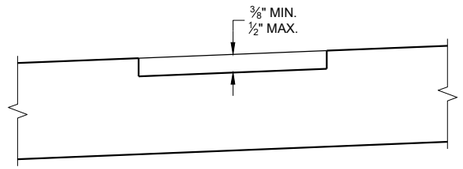
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



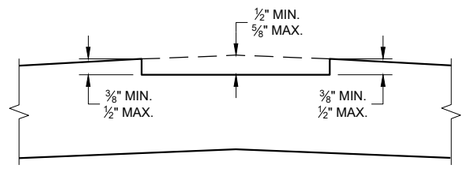
ISOMETRIC



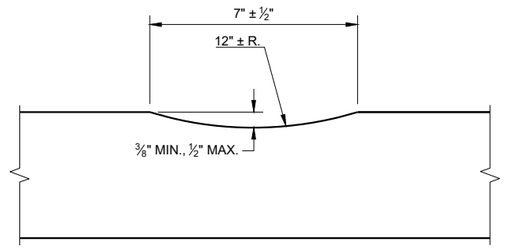
CENTERLINE GROOVES ON TWO-WAY ROADWAYS



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



SECTION A - A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

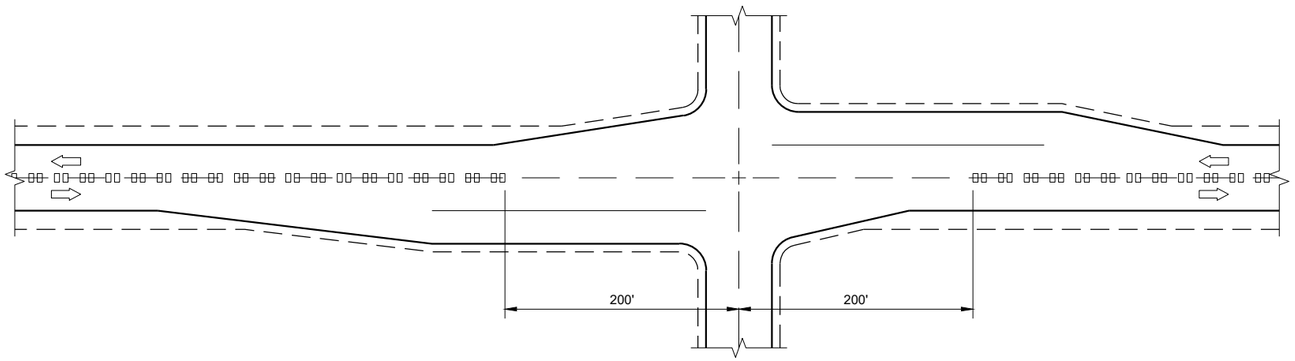
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

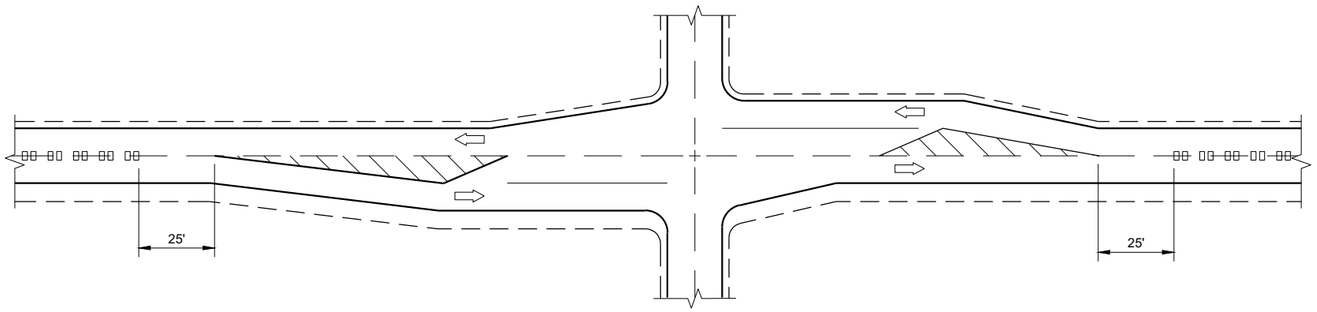
SDD 13A11 - 03a

6

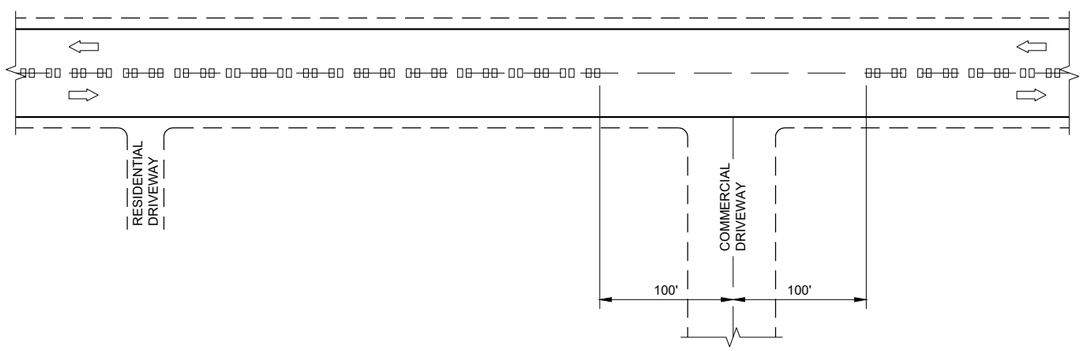
SDD 13A11 - 03a



CENTERLINE GROOVES AT INTERSECTIONS



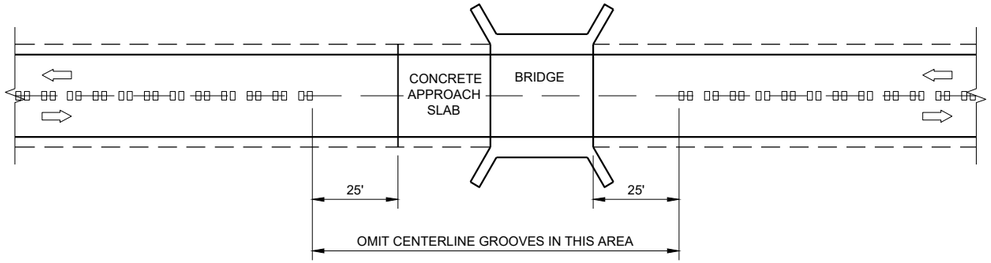
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



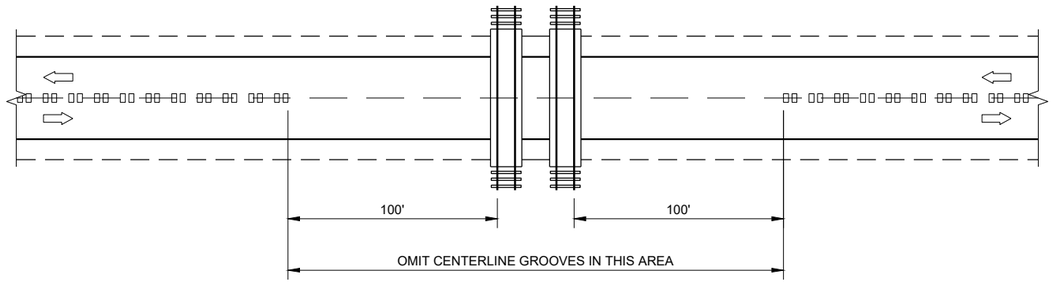
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS. WHEN DIRECTED BY THE ENGINEER.



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

2-LANE RURAL CENTERLINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

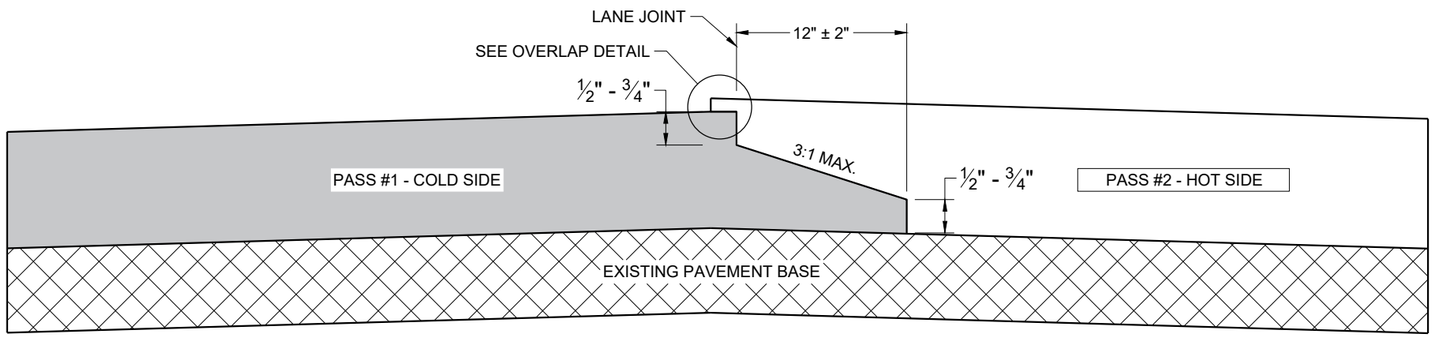
FHWA

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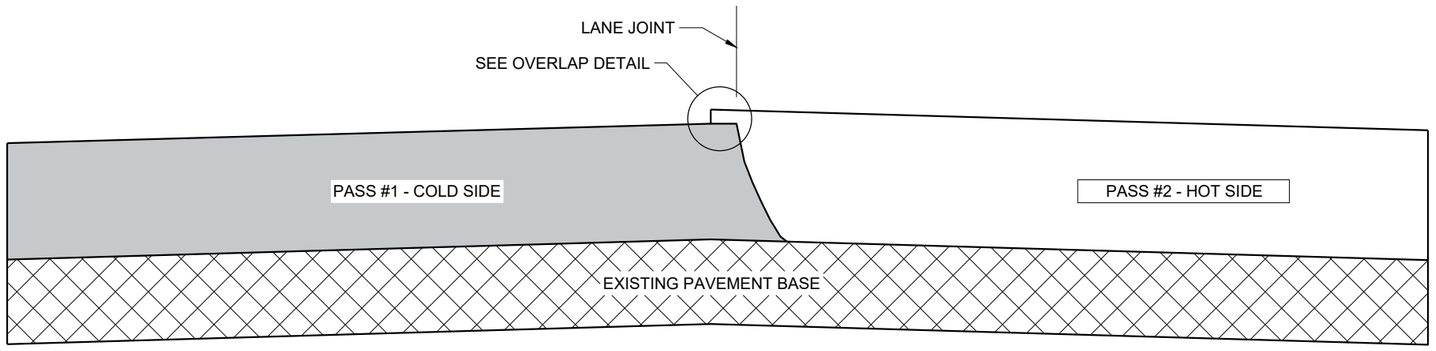
SDD 13A11 - 03b

6

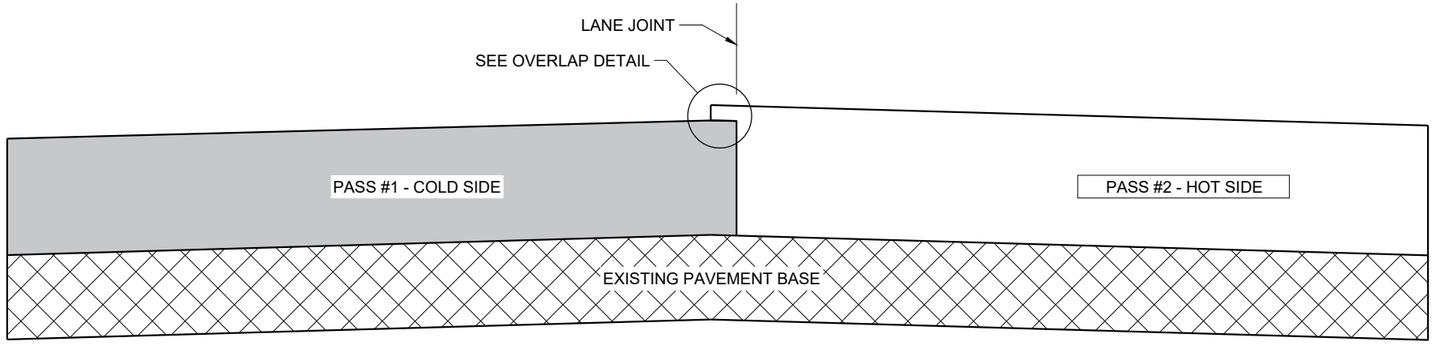
SDD 13A11 - 03b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

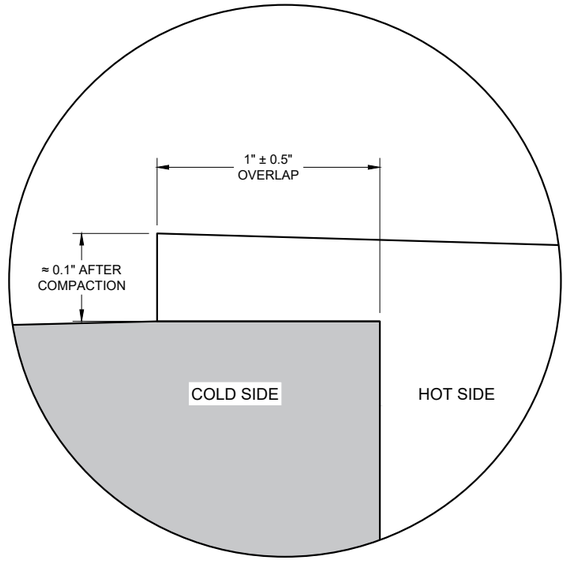
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

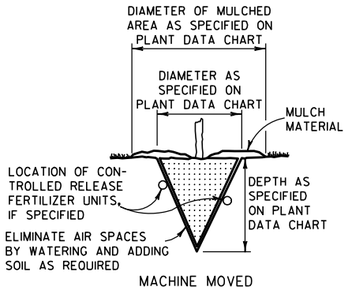
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

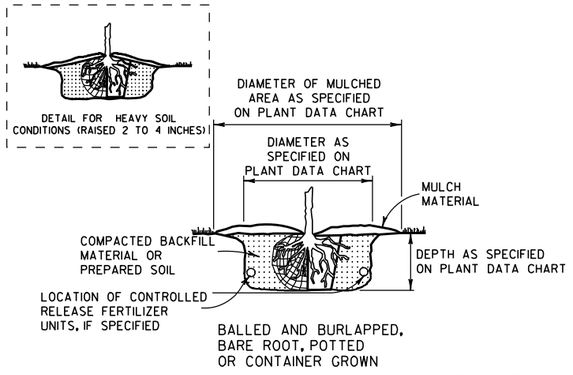
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

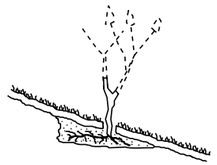
FHWA



MACHINE MOVED

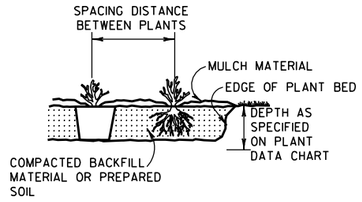


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



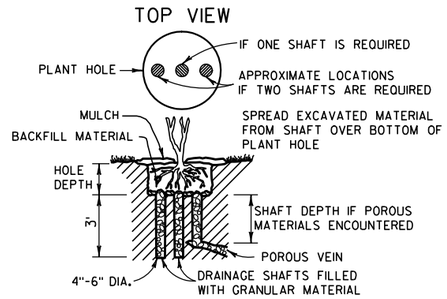
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



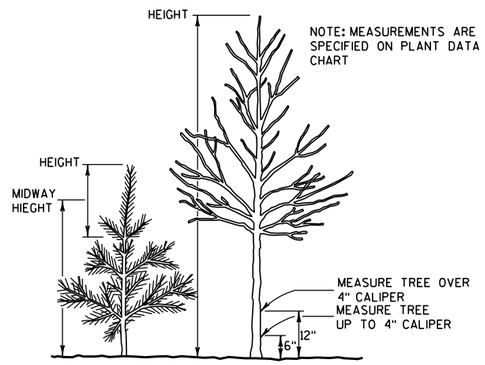
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

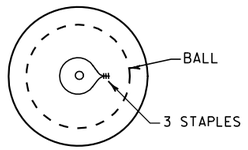


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

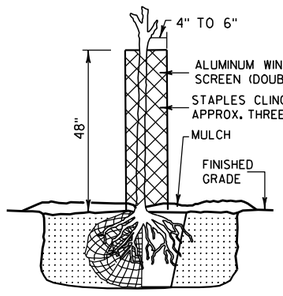
DRAINING



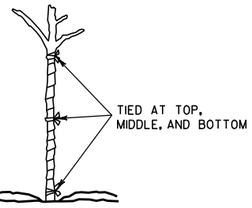
MEASURING



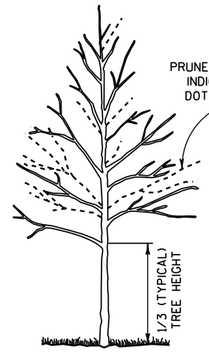
TOP VIEW



RODENT PROTECTION



WRAPPING

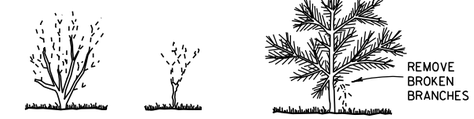


TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

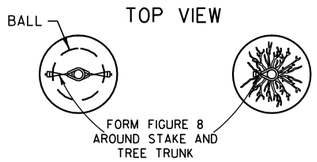


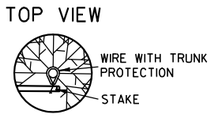
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

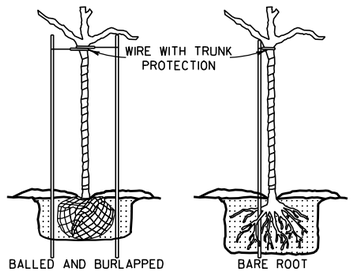
SUMAC

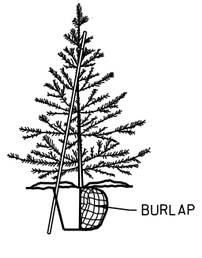
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



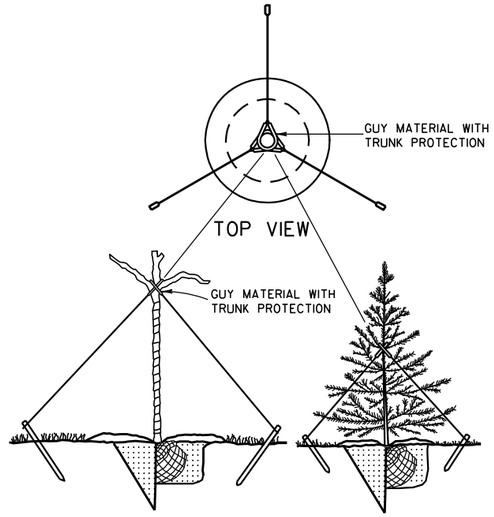






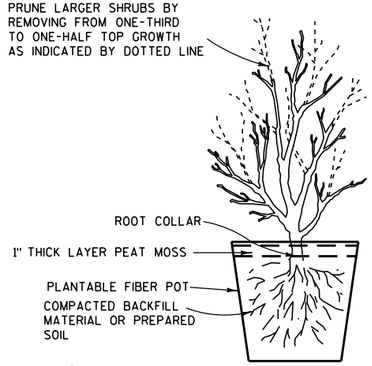
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

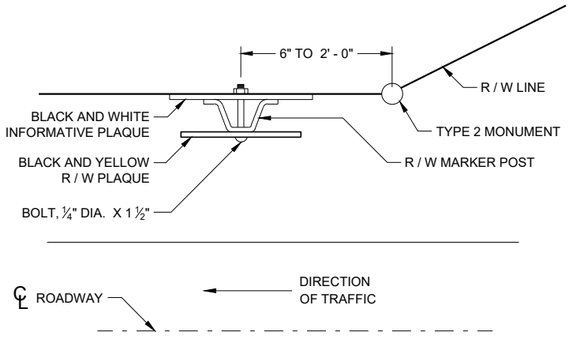
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

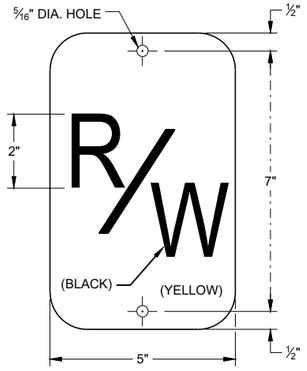
APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

S.D.D. 14 A 2-1

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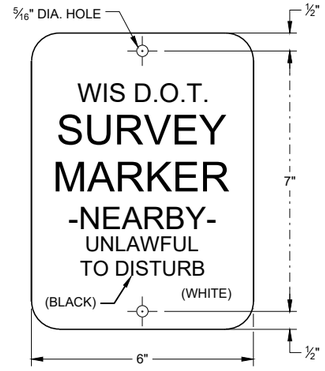


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

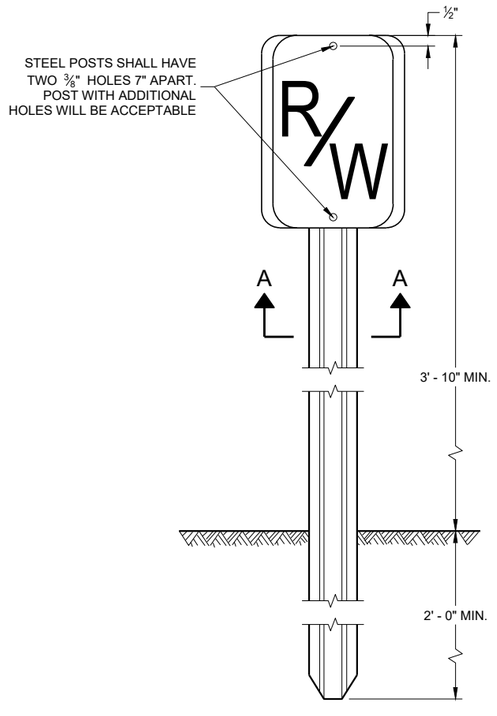
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

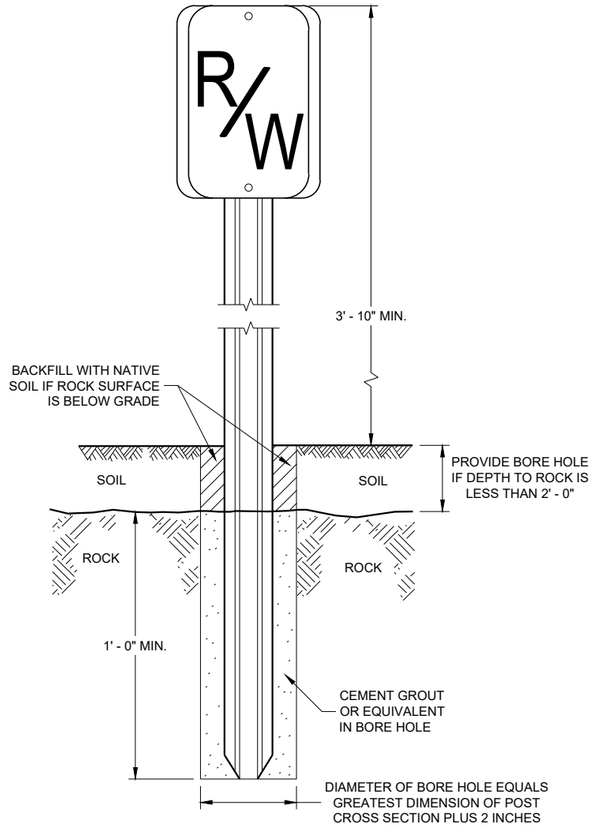
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

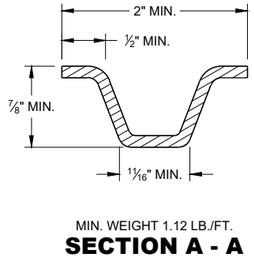
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



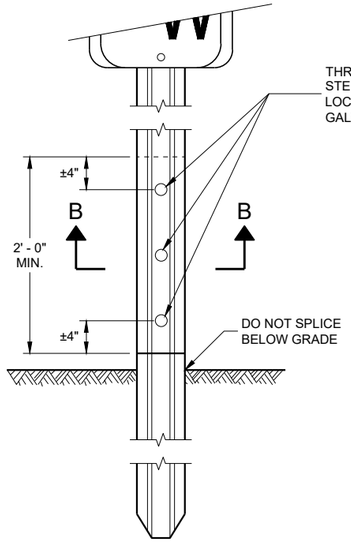
FRONT VIEW
STEEL MARKER POST



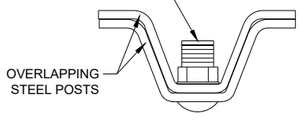
FRONT VIEW
ROCK INSTALLATION (1)



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

MARKER POST FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016
DATE
/S/ Ray Kumapayi
CHIEF SURVEYING AND MA ENGINEER

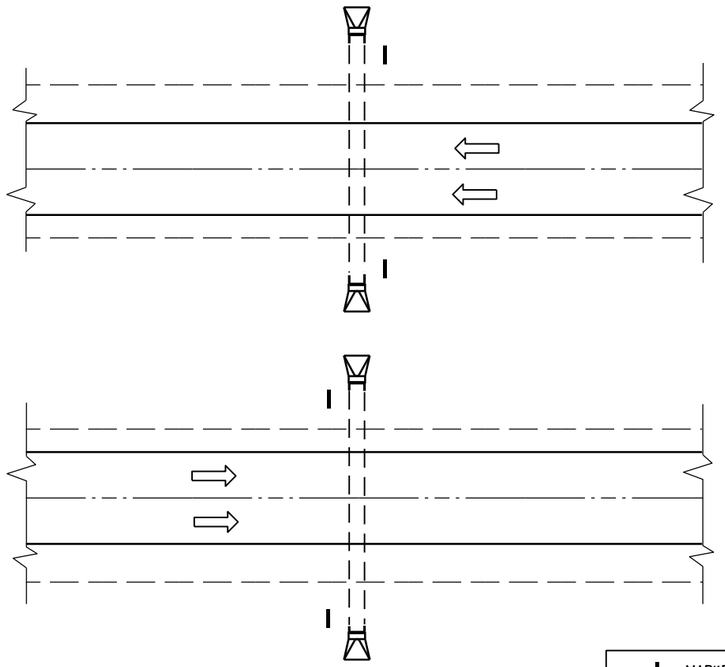
FHWA

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SDD 15A01 - 13a

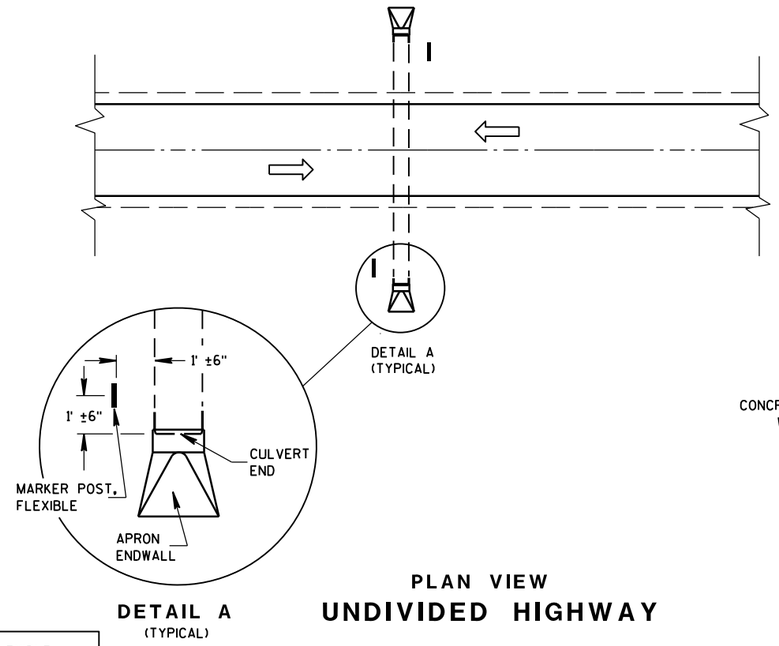
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SDD15A01 - 13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

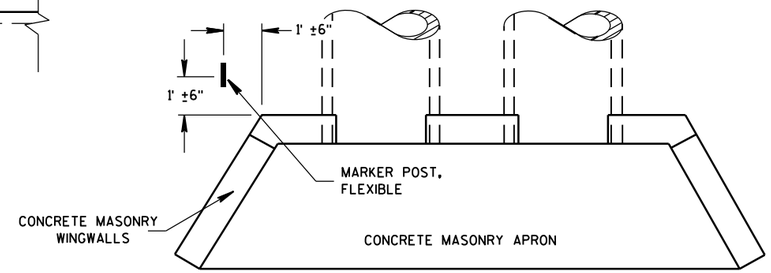
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

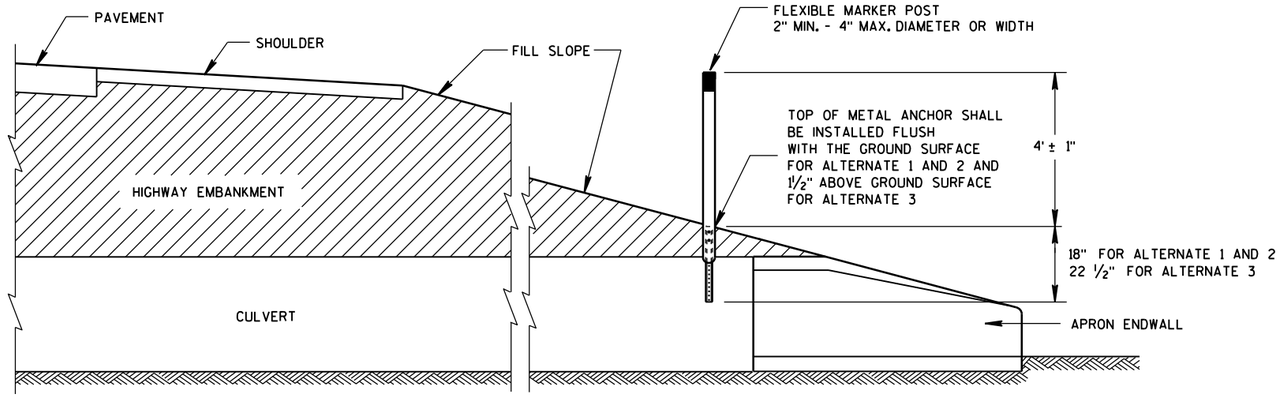
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

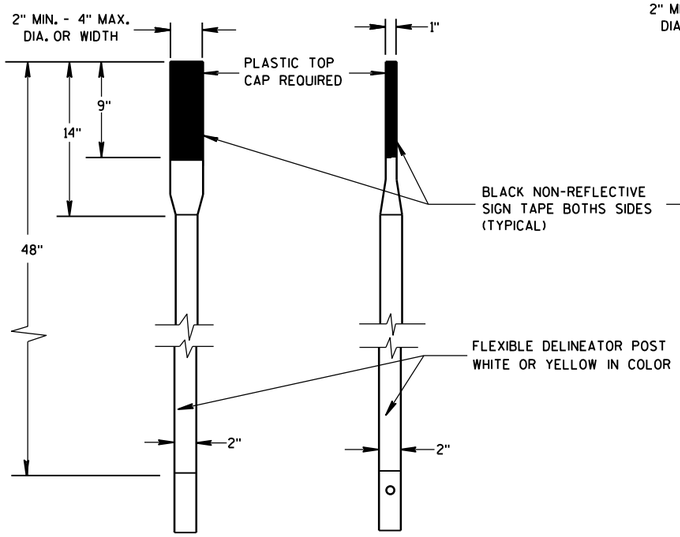
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

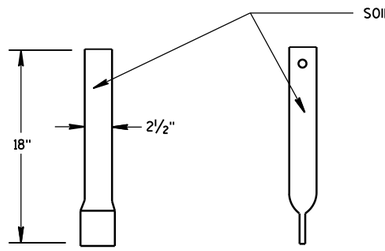
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S.D.D. 15 A 3-2a

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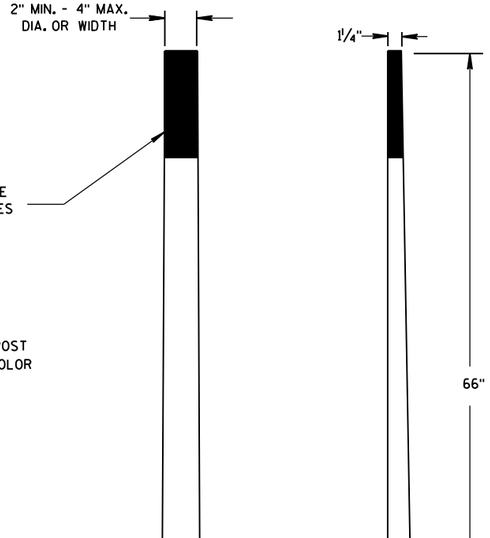
S.D.D. 15 A 3-2a





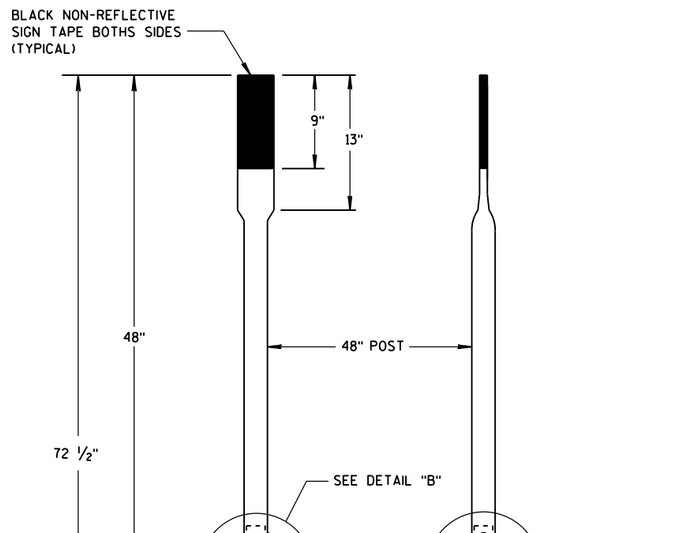
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

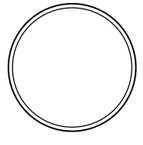
ALTERNATE 2



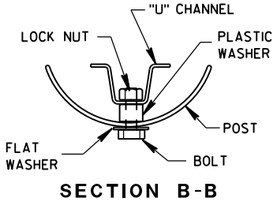
FRONT VIEW SIDE VIEW

ALTERNATE 3

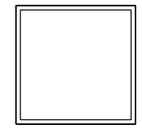
FLEXIBLE MARKER POSTS



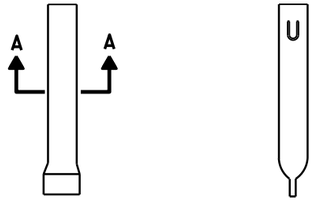
SECTION A-A



SECTION B-B

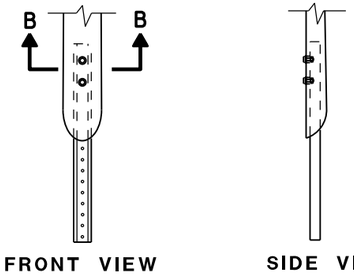


SECTION C-C



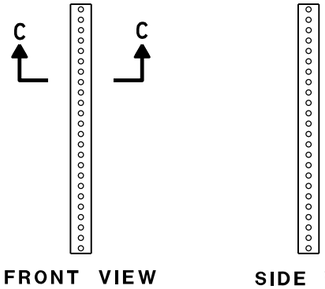
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

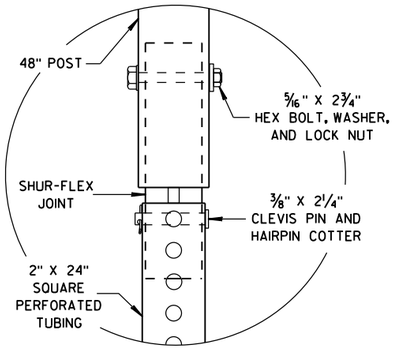
ALTERNATE 2



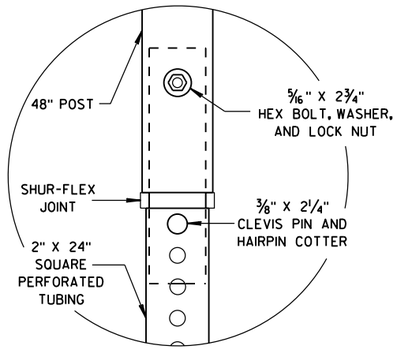
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

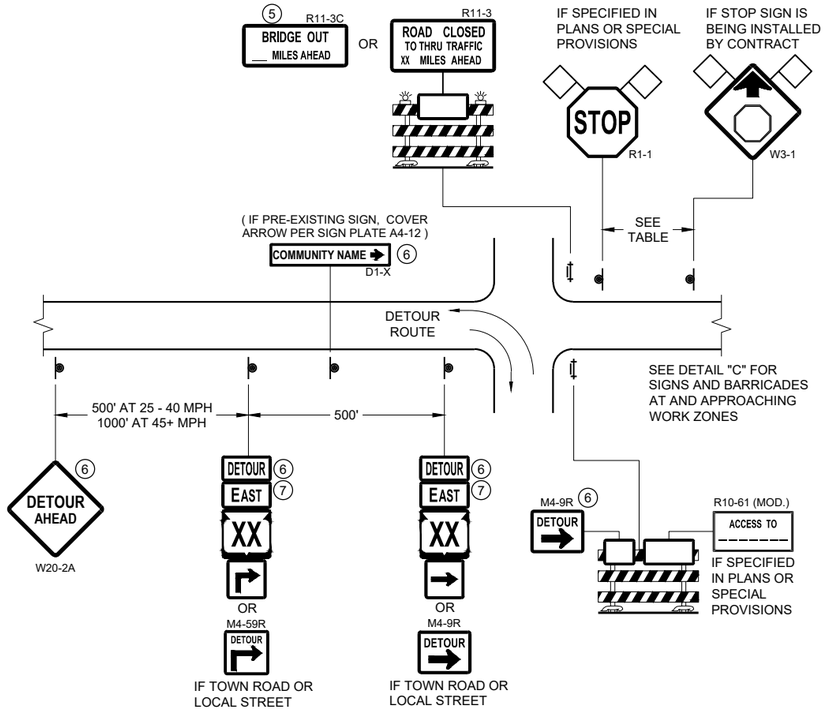
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

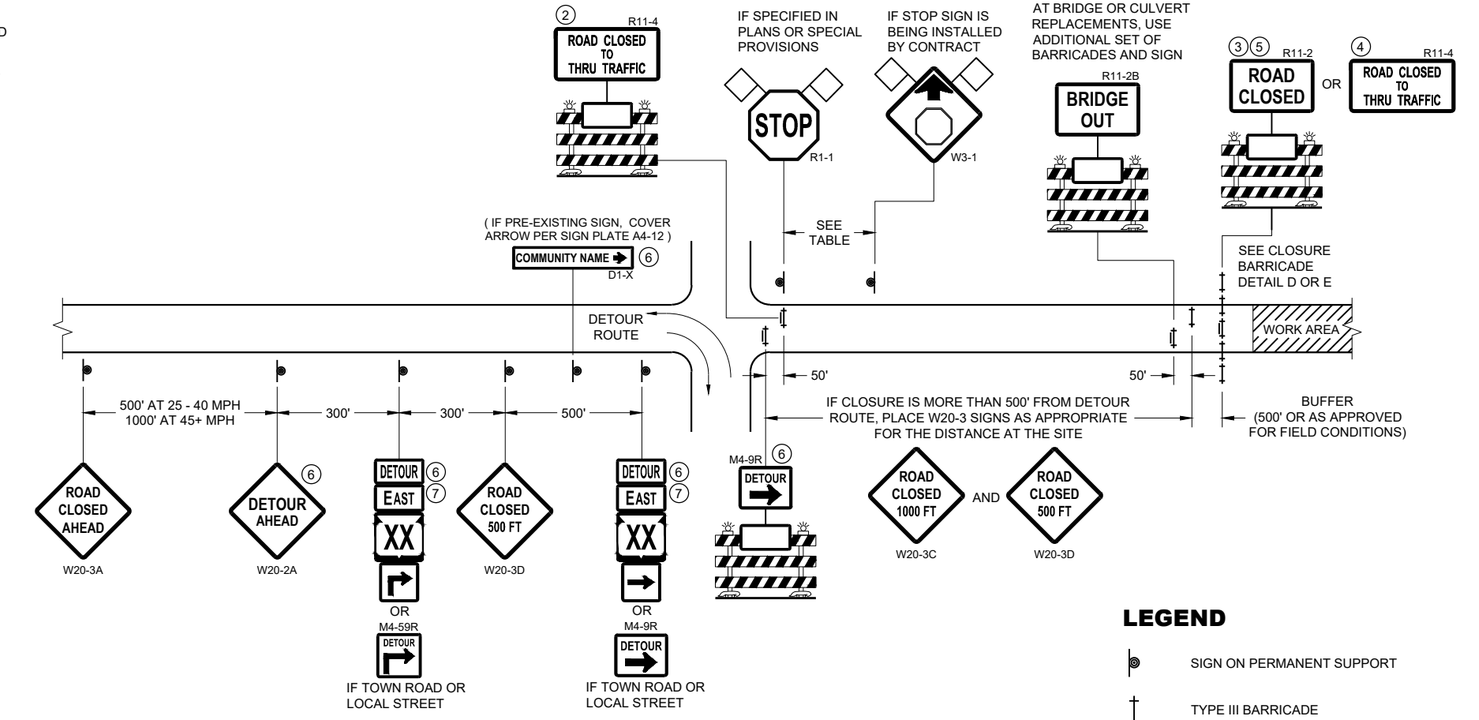
6

S.D.D. 15 A 3-2b



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)

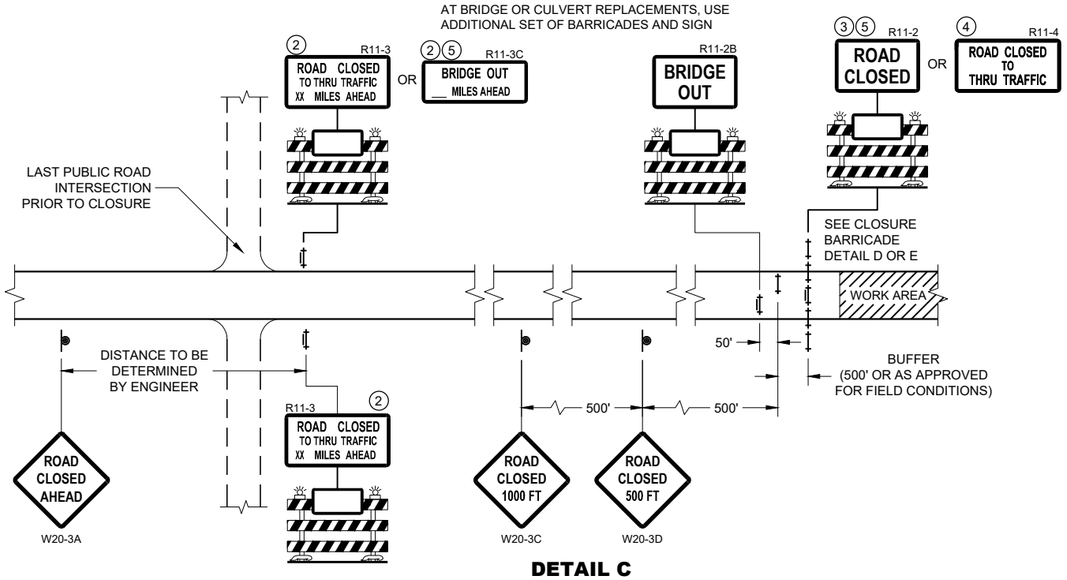
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

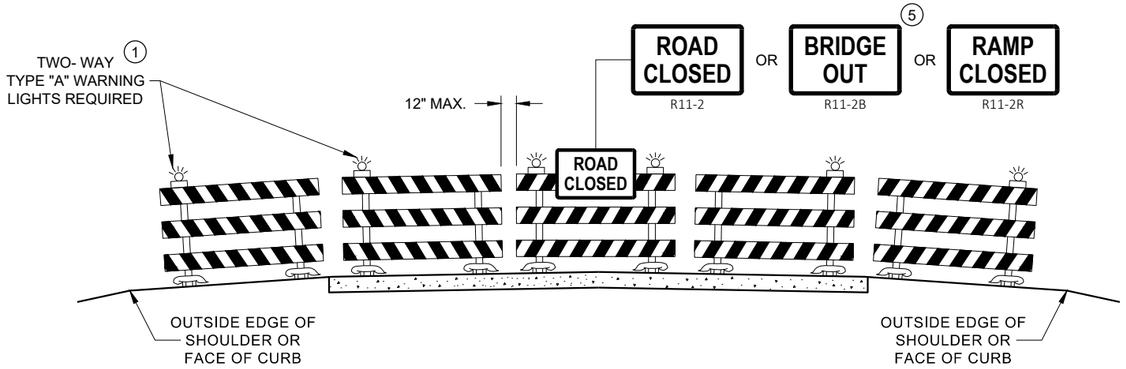
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

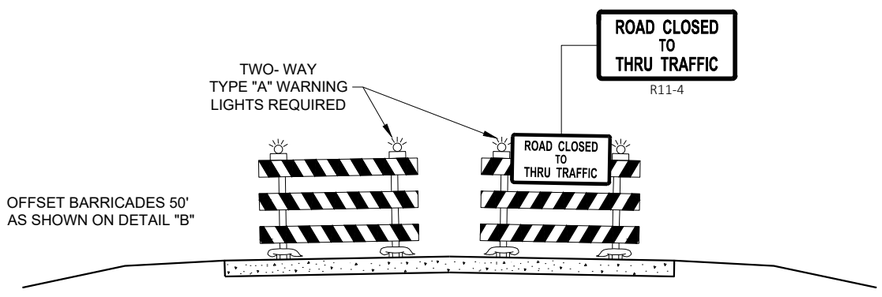
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SDD 15C02 - 08a



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

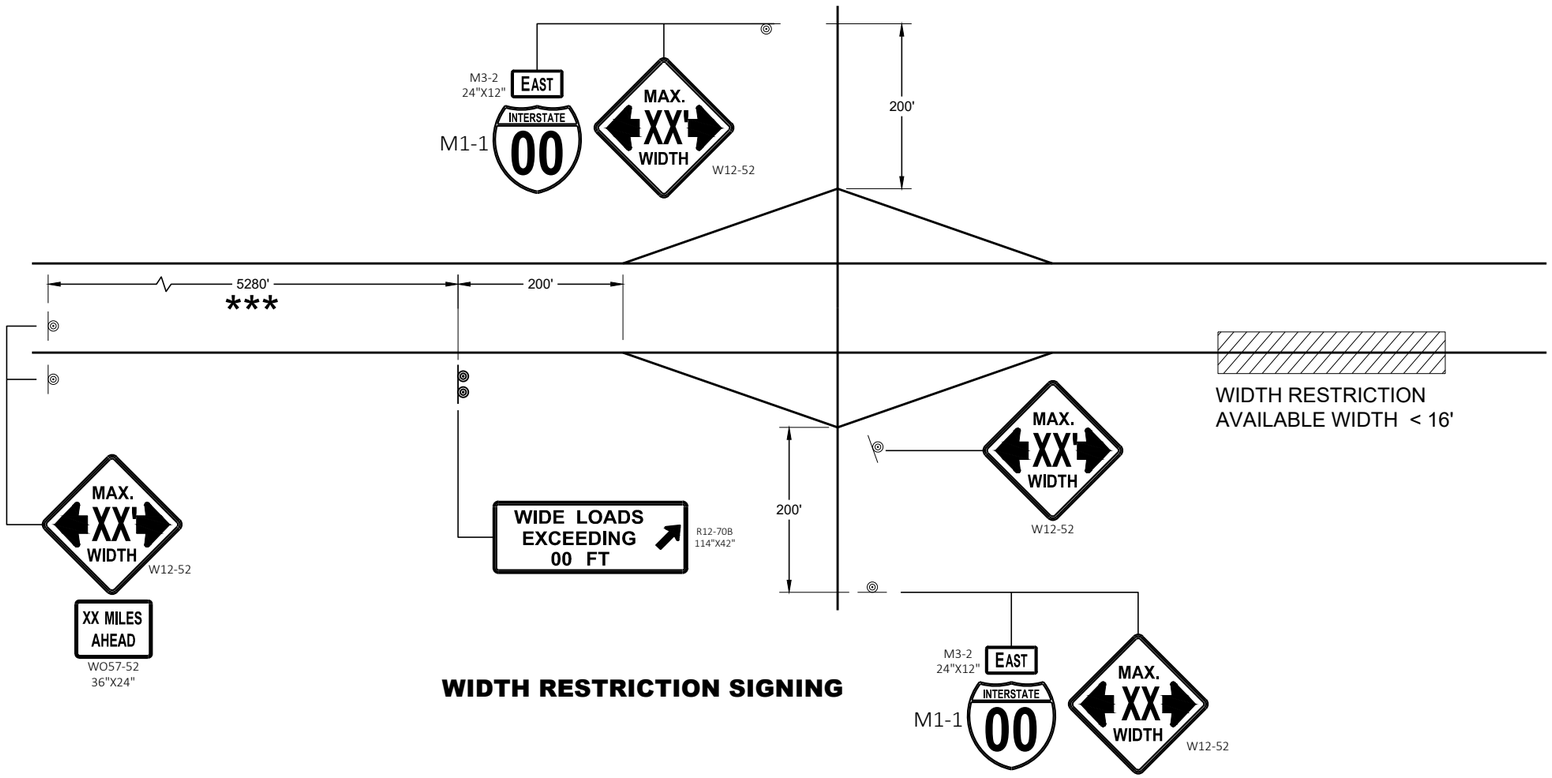
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

6

SDD 15C02 - 08b



WIDTH RESTRICTION SIGNING

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.

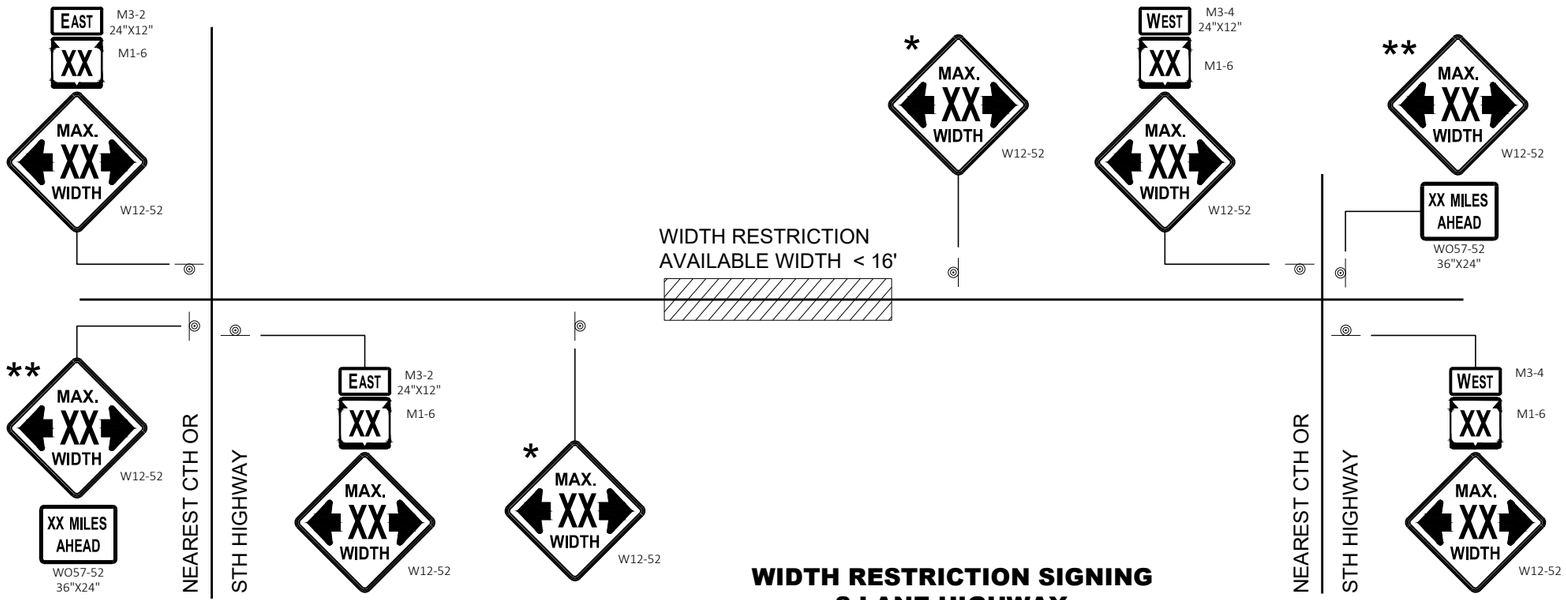
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

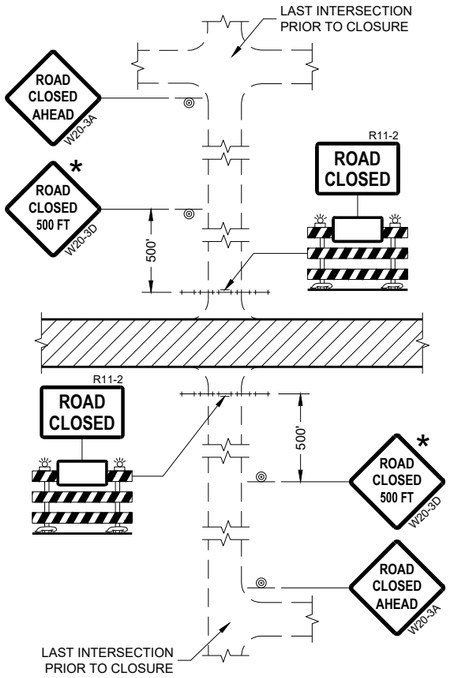
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 180

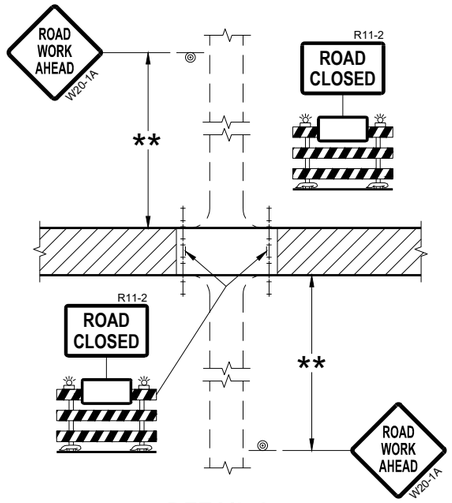
FHWA

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SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

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 (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

BARRICADES 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.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN 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.

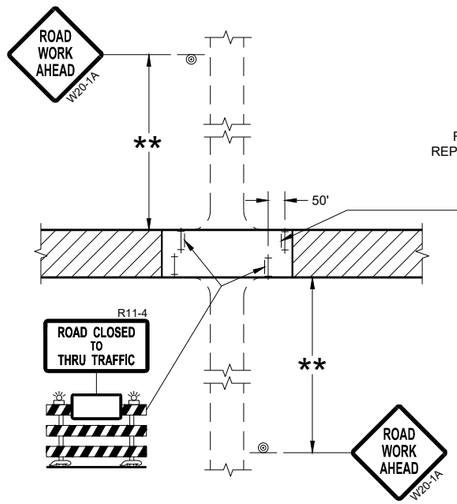
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

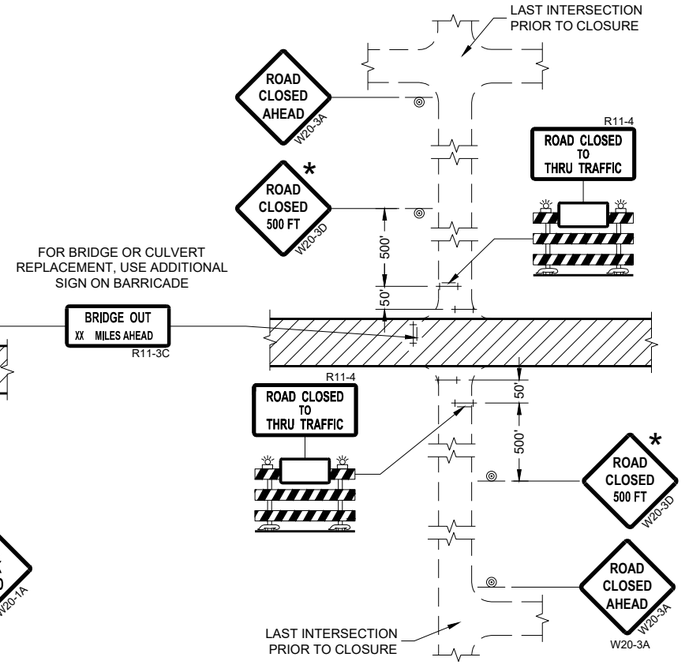
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

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.

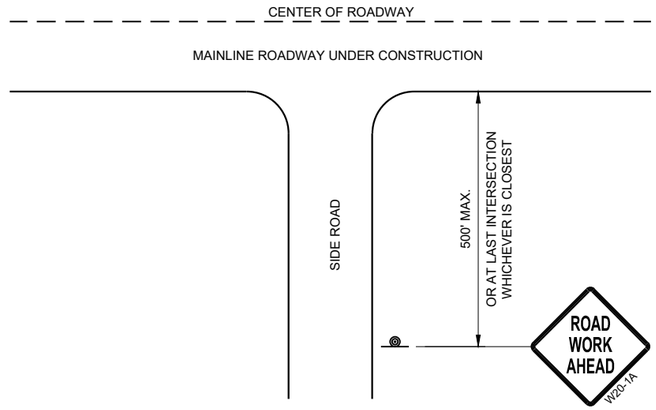
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



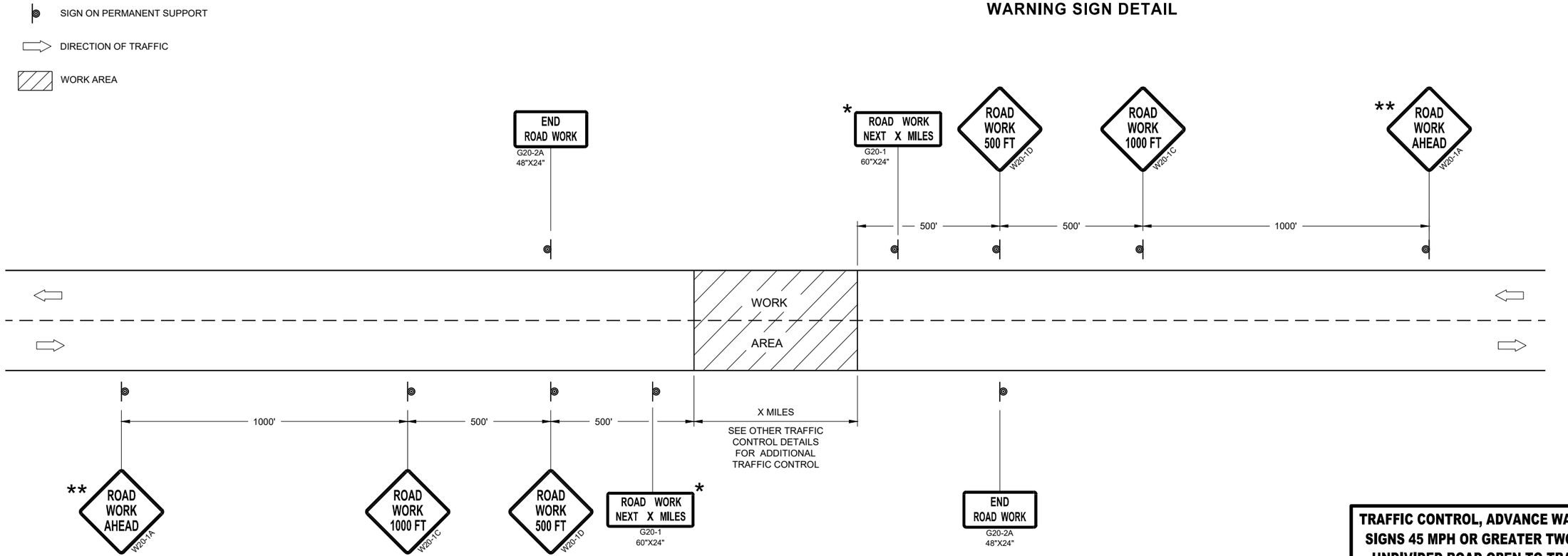
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

6

SDD 15C04 - 05

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

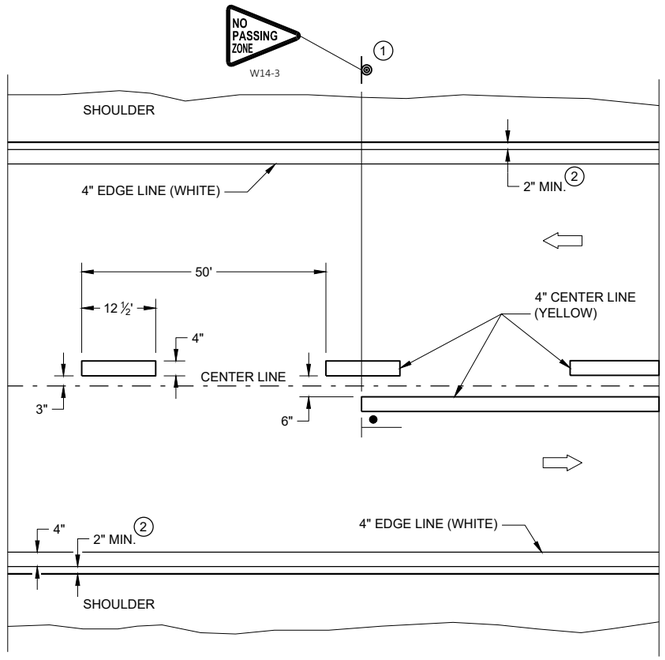
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

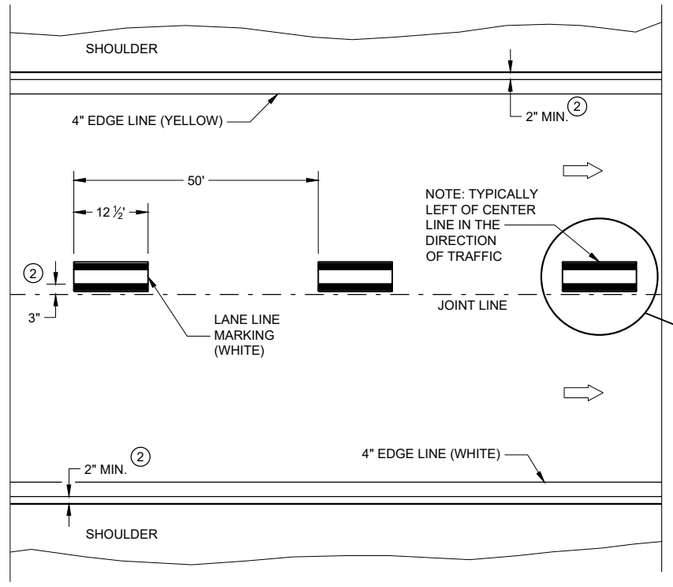
"T" MARKING

SIGN ON PERMANENT SUPPORT

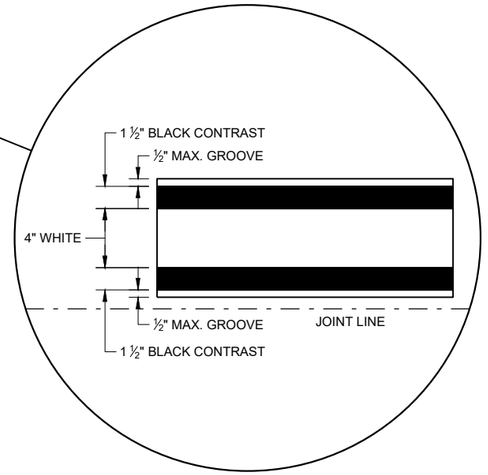
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

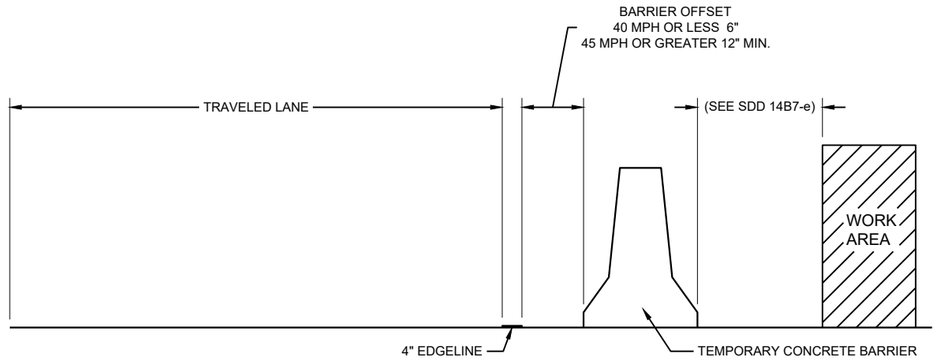
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD 15C08 - 22a

SDD 15C08 - 22a



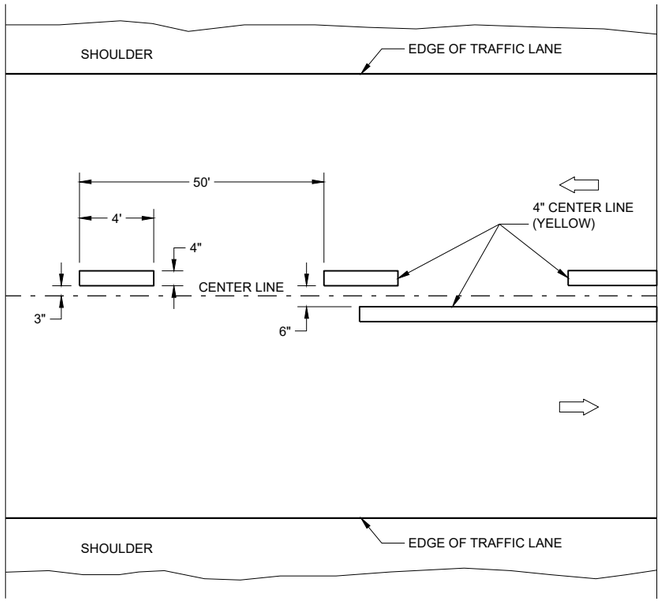
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

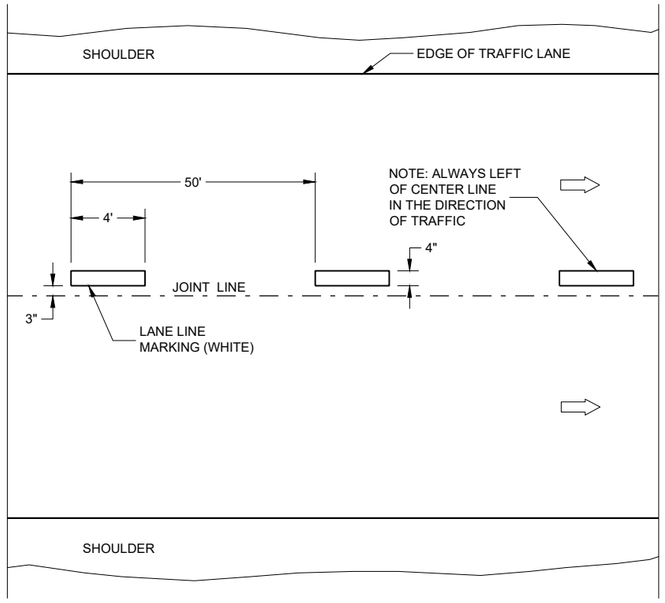
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

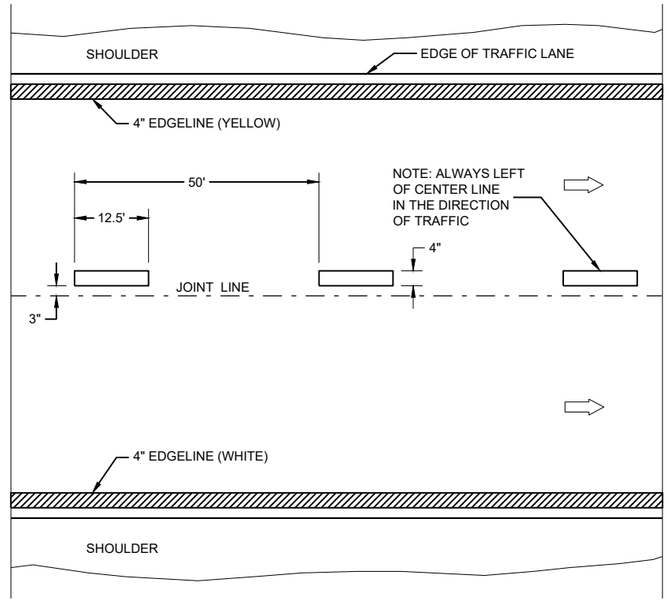
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M
ENGINEER

FHWA

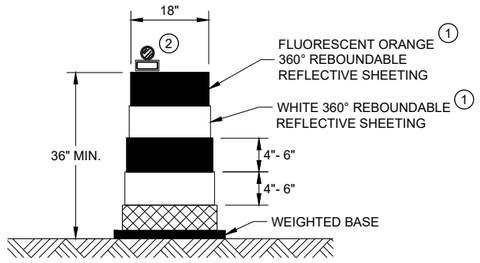
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SDD 15C08 - 22b

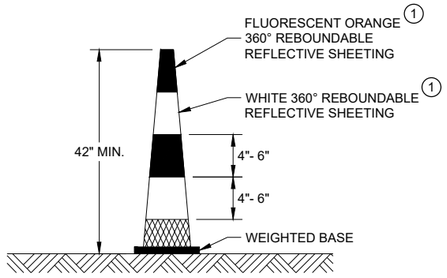
SDD 15C08 - 22b

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.

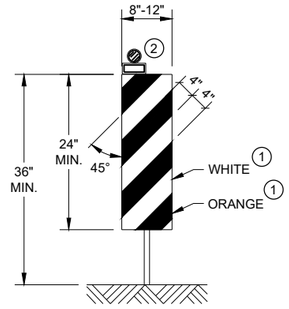


DRUM



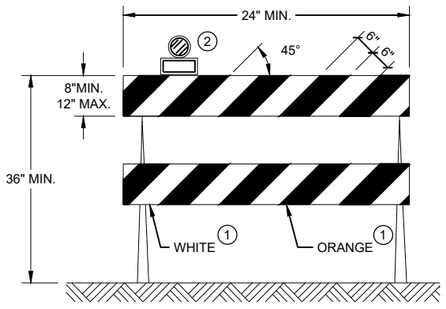
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



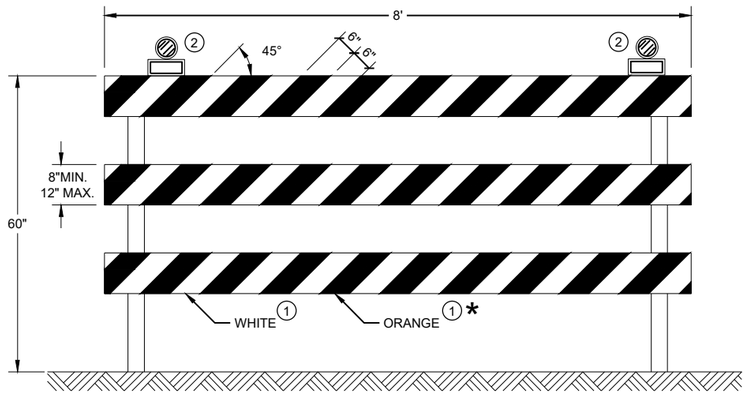
VERTICAL PANEL

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
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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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.

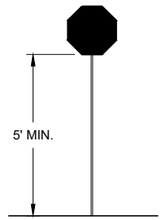
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

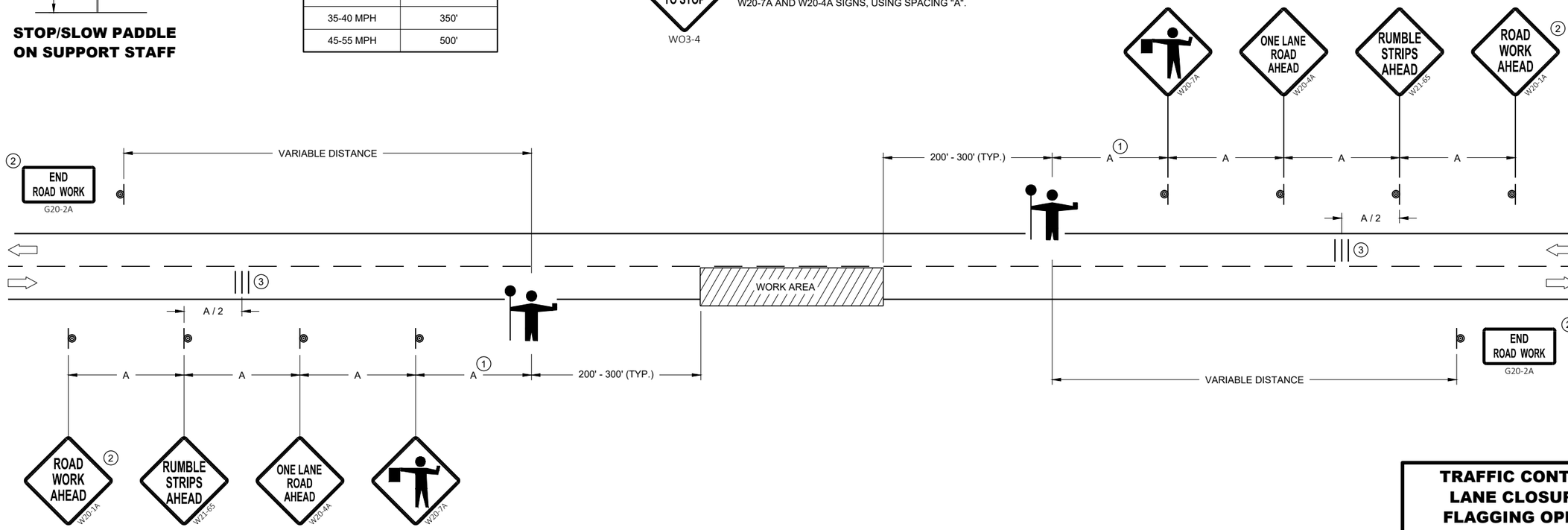
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

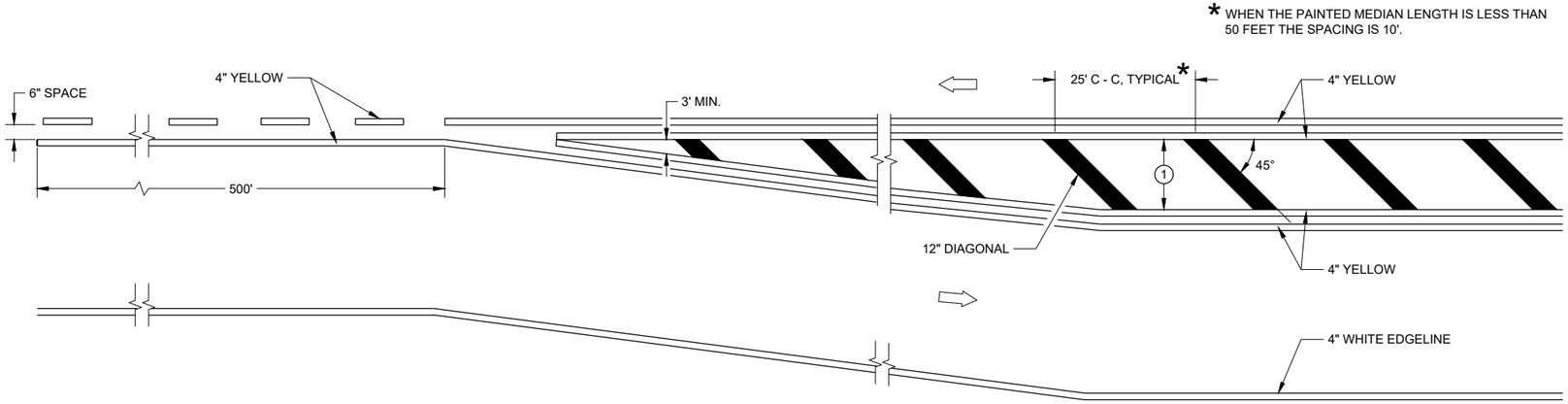
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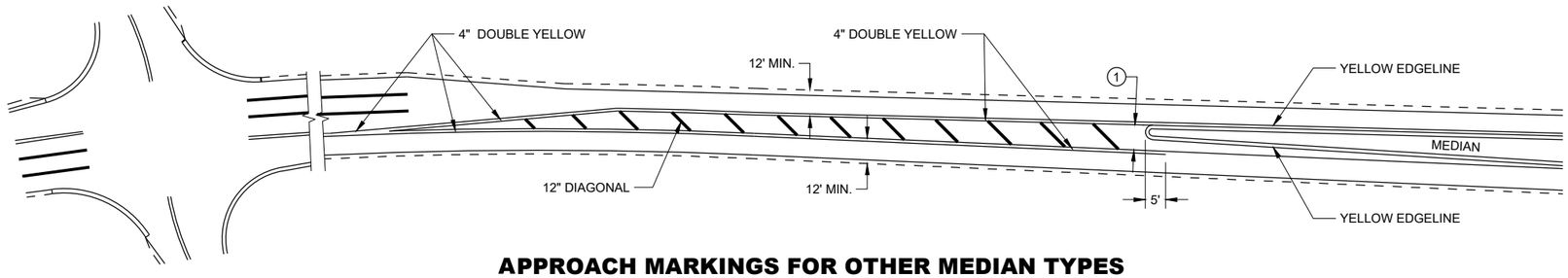
SDD 15C12 - 09a

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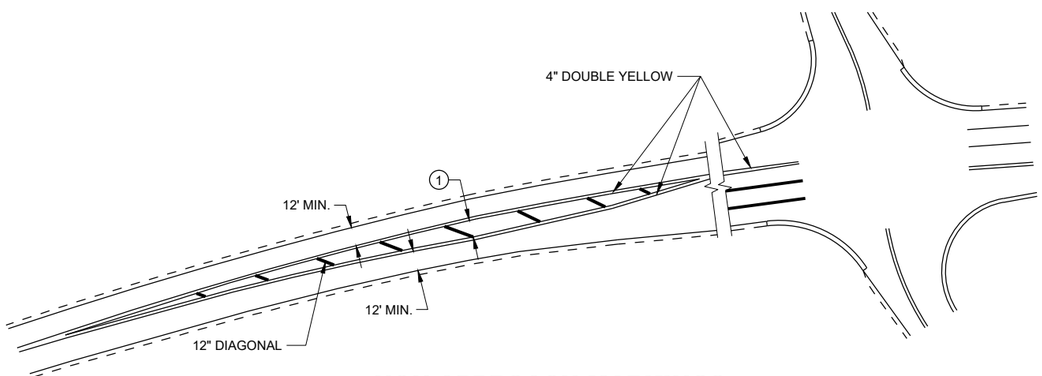
SDD 15C12 - 09a



MEDIAN ISLAND DETAIL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

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

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

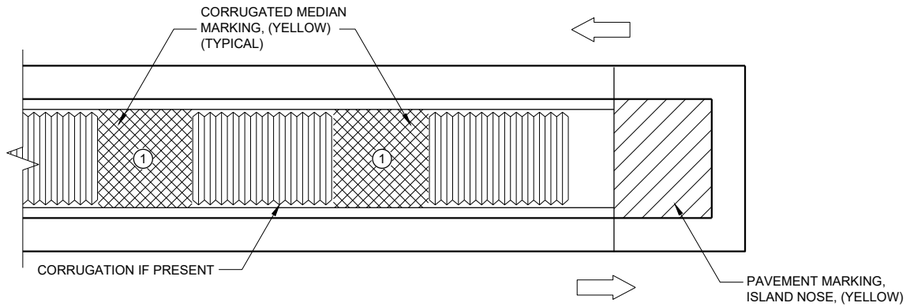
May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

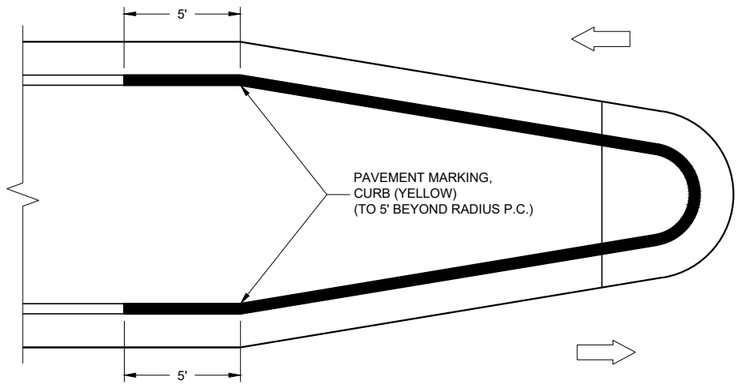
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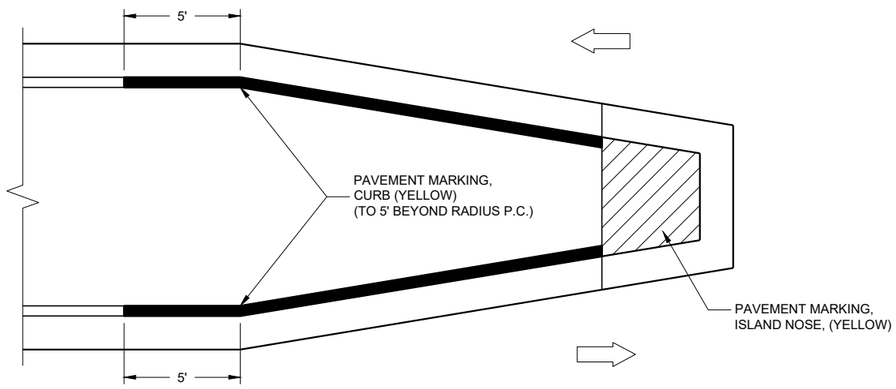
SDD 15C18 - 06a



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

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

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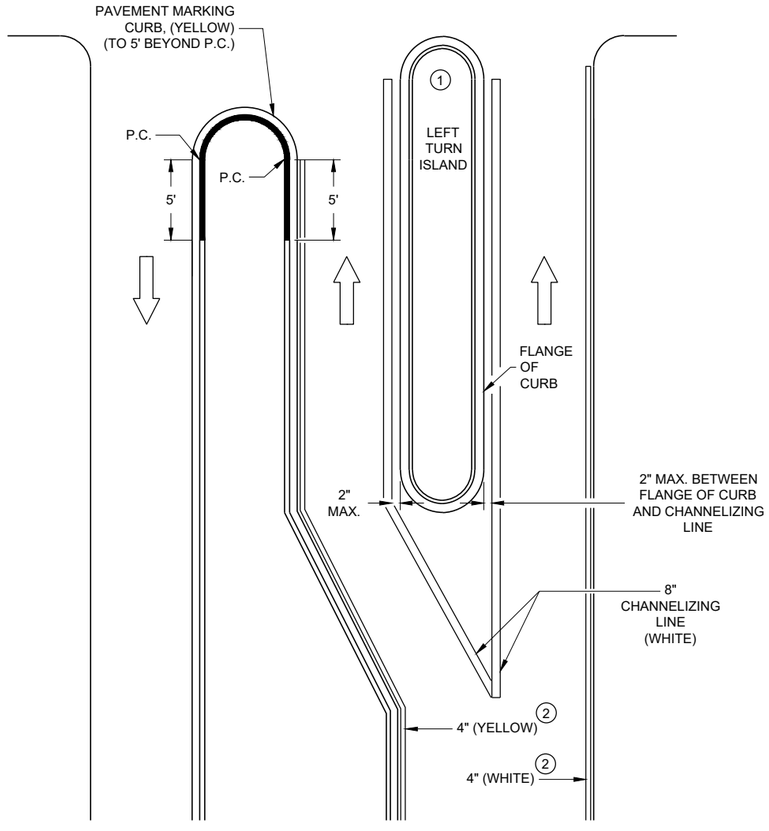
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SDD 15C18 - 06b

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SDD15C18 - 06b

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



LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

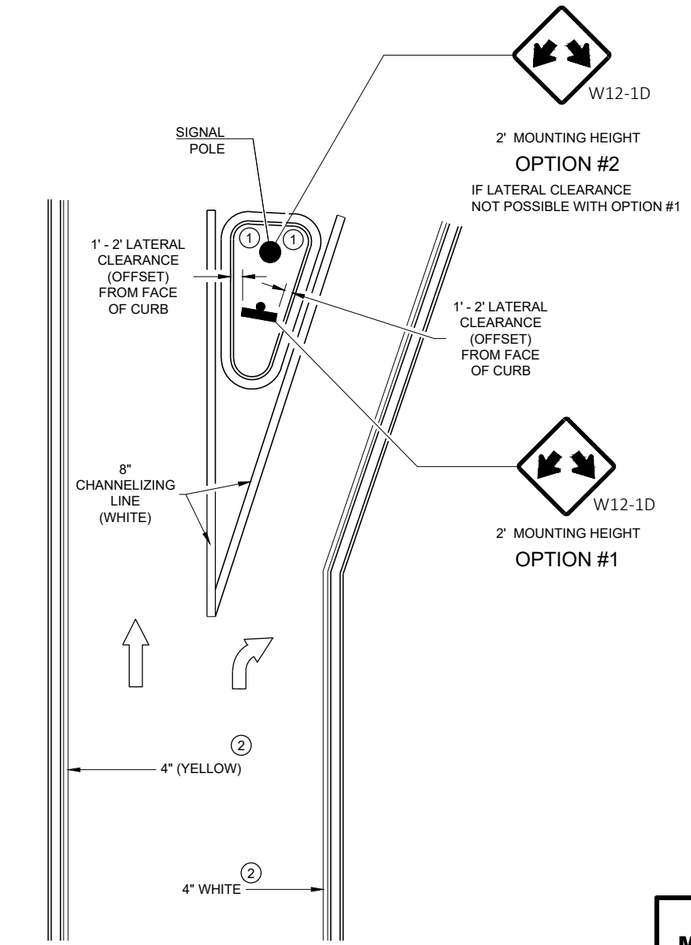
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAF ENGINEER

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SDD 15C18 - 06c

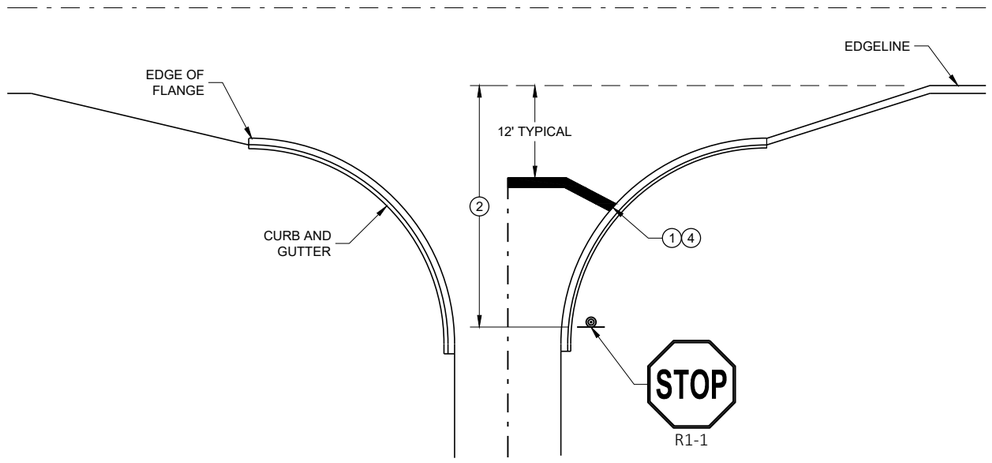
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SDD15C18 - 06c

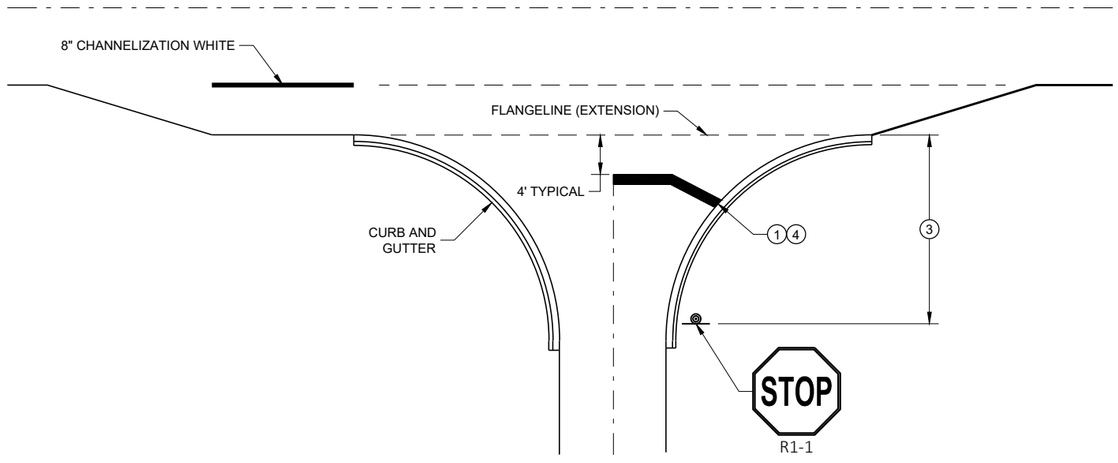
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

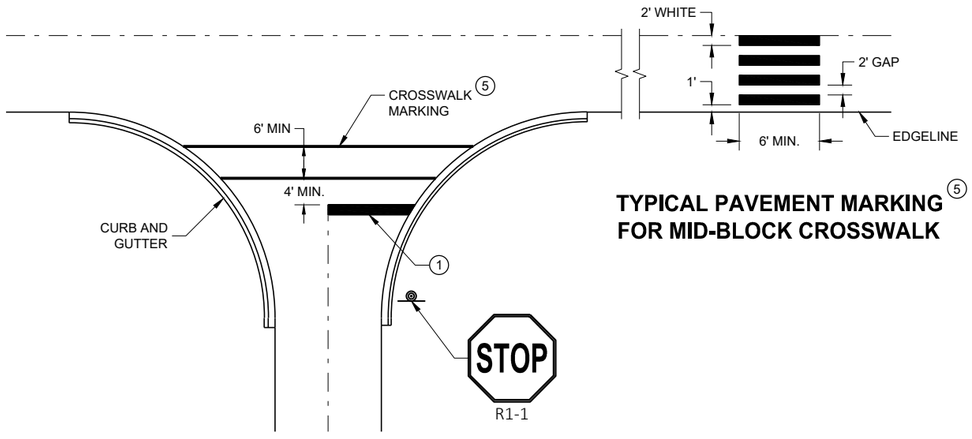
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

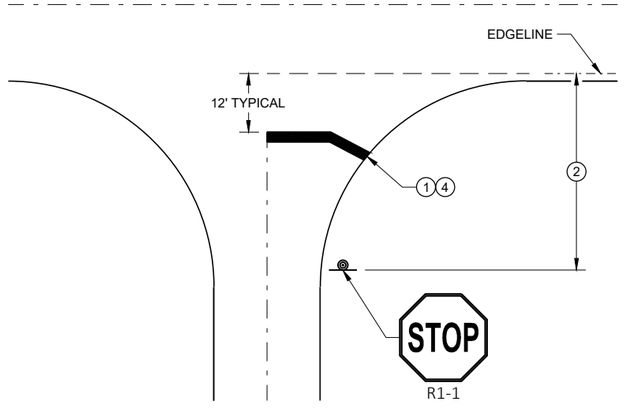


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

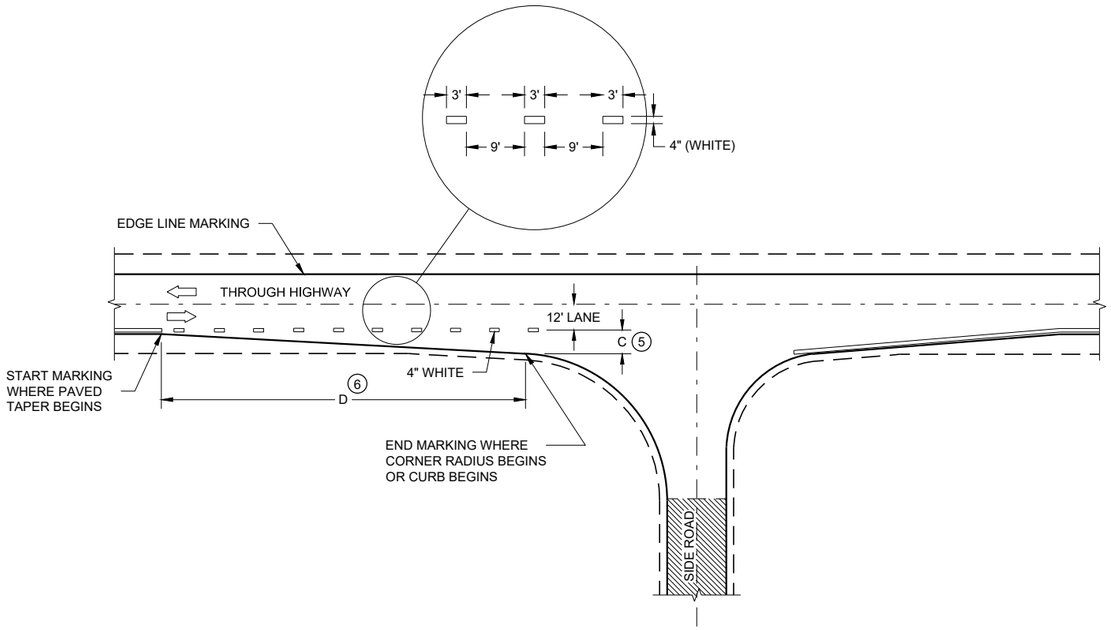
APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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SDD 15C33 - 04

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SDD 15C33 - 04



MINOR INTERSECTION

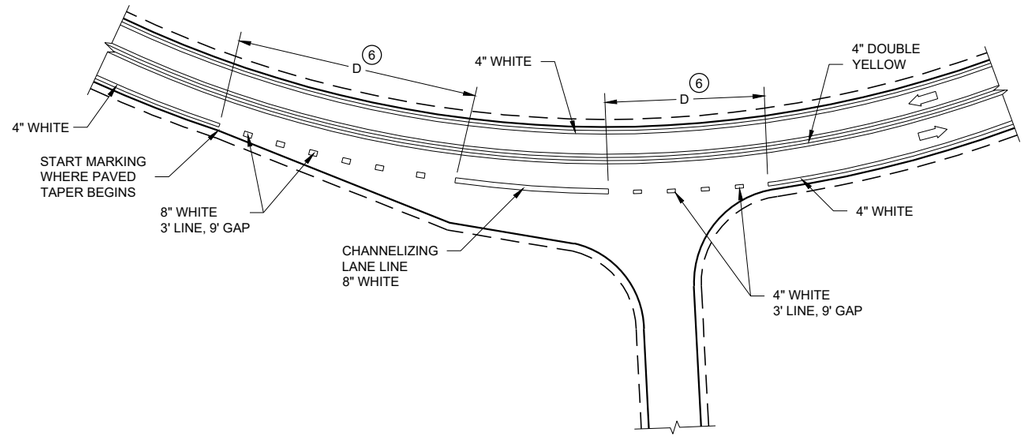
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

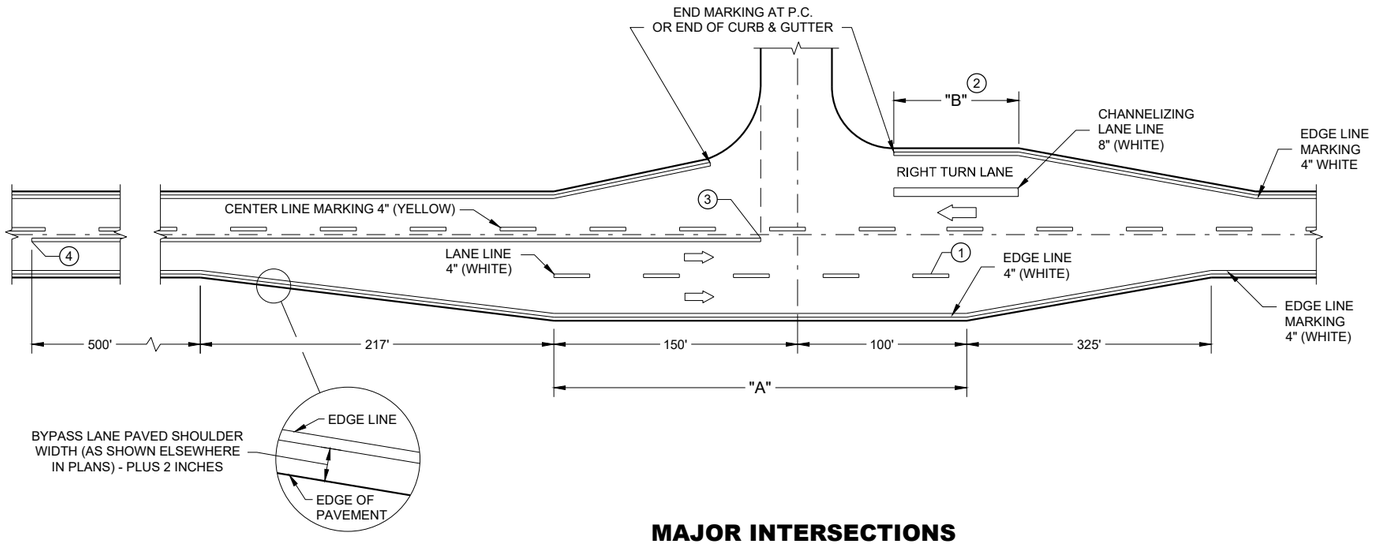
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

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 THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

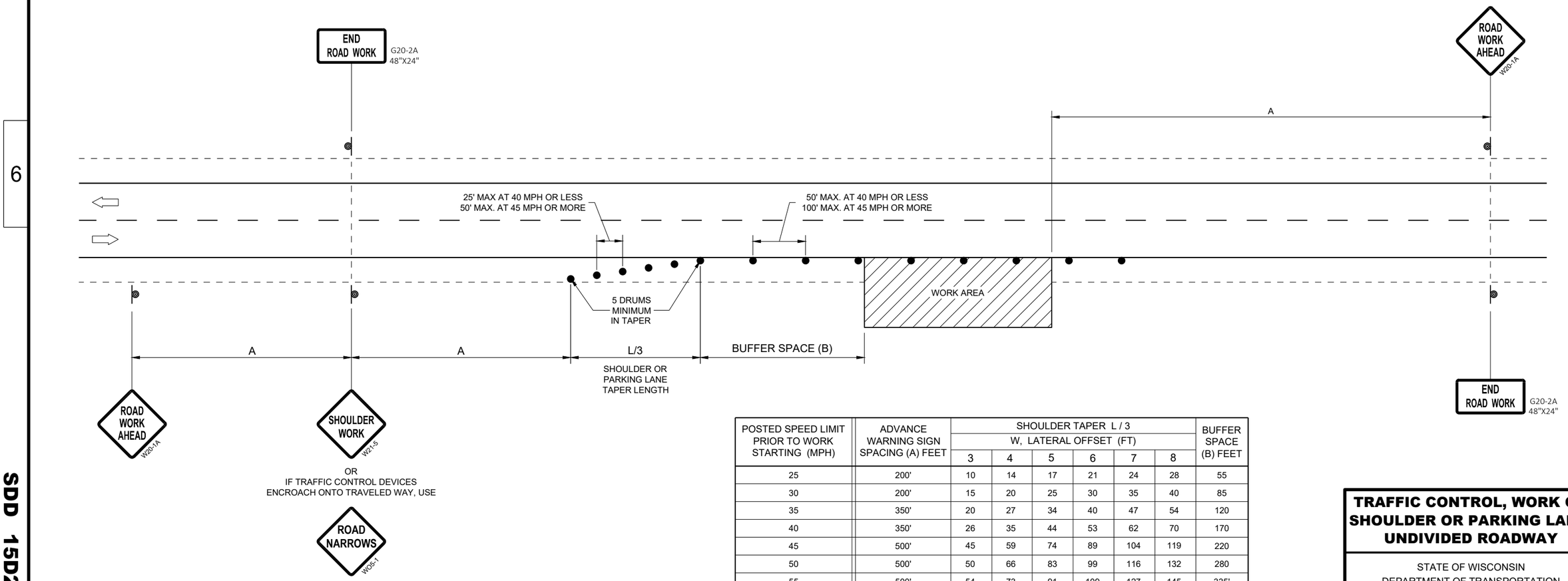
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS 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 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A 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 OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

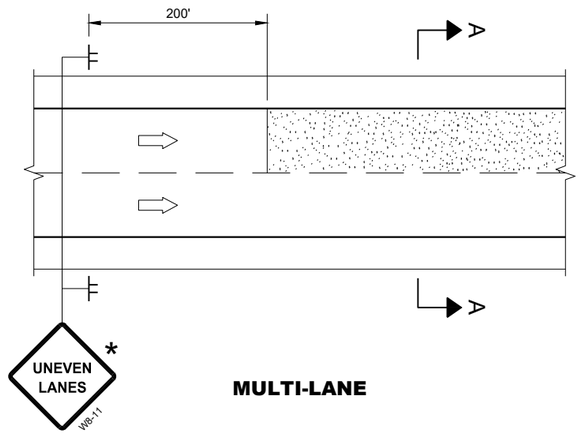
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

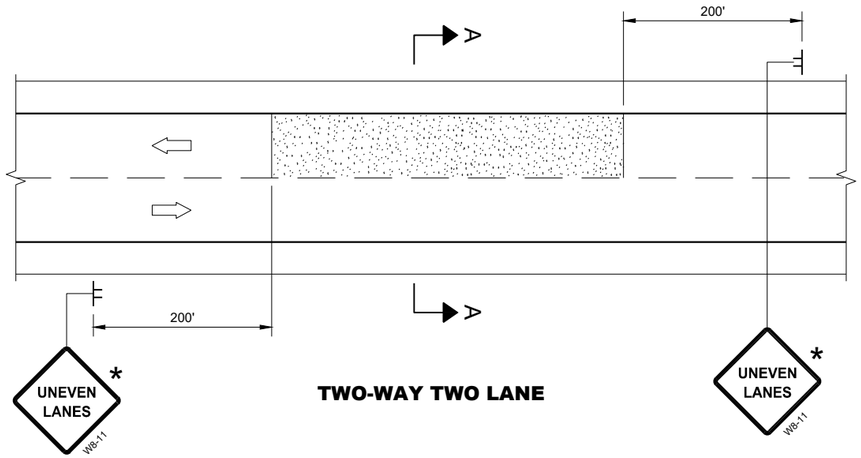
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



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.

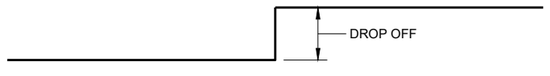
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* 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.

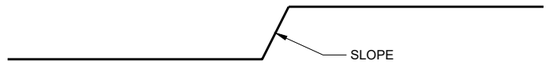
LEGEND

- 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

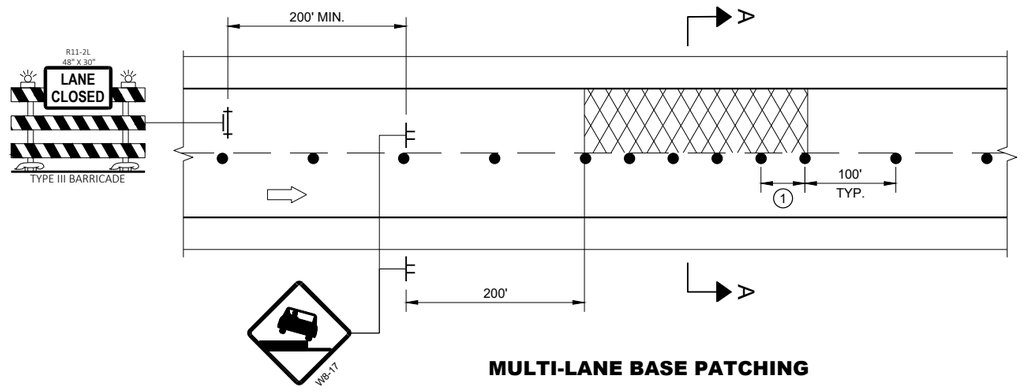


SECTION A - A

OR

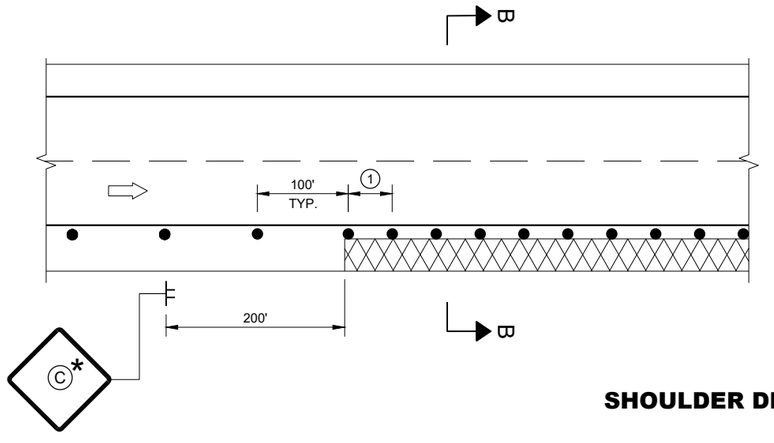


SECTION A - A

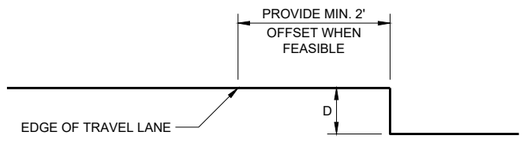


MULTI-LANE BASE PATCHING

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

SDD 15D39 - 02

SDD 15D39 - 02

6

6

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

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.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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 INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

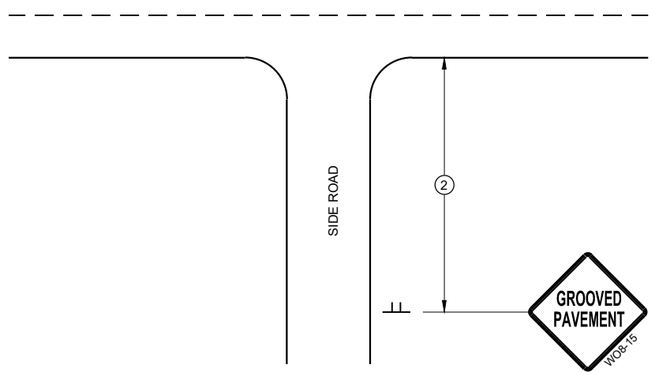
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

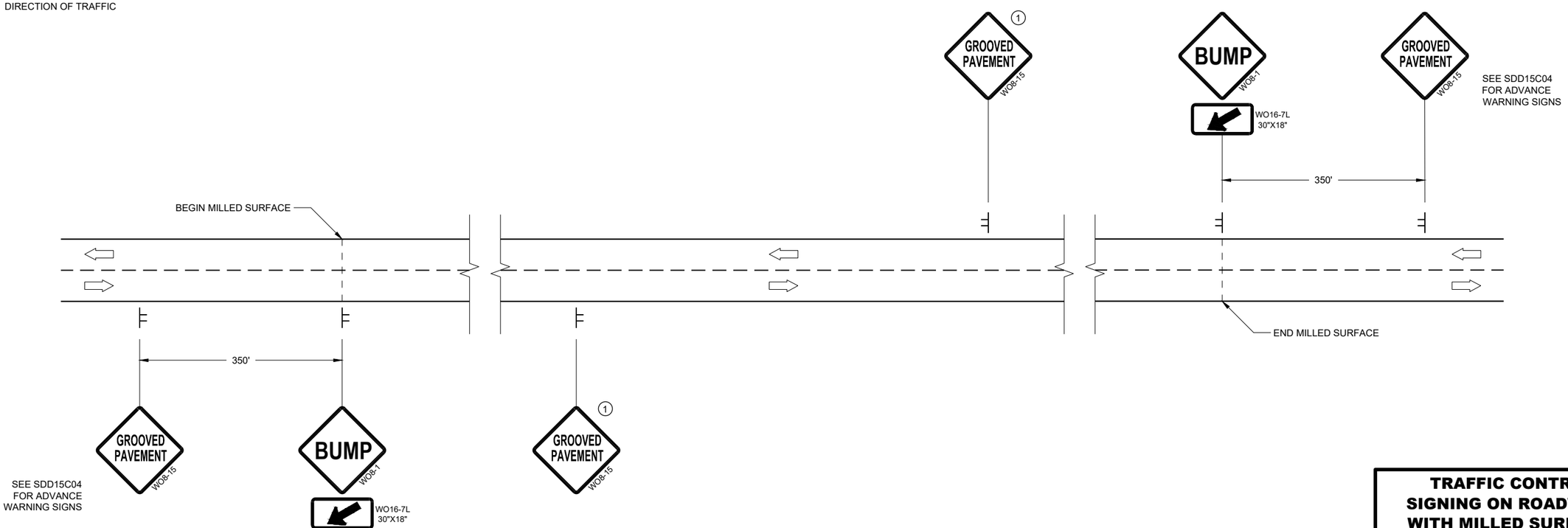
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D44 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

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.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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 INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

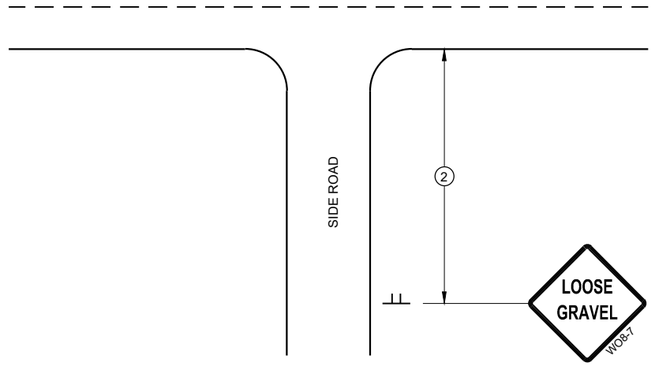
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

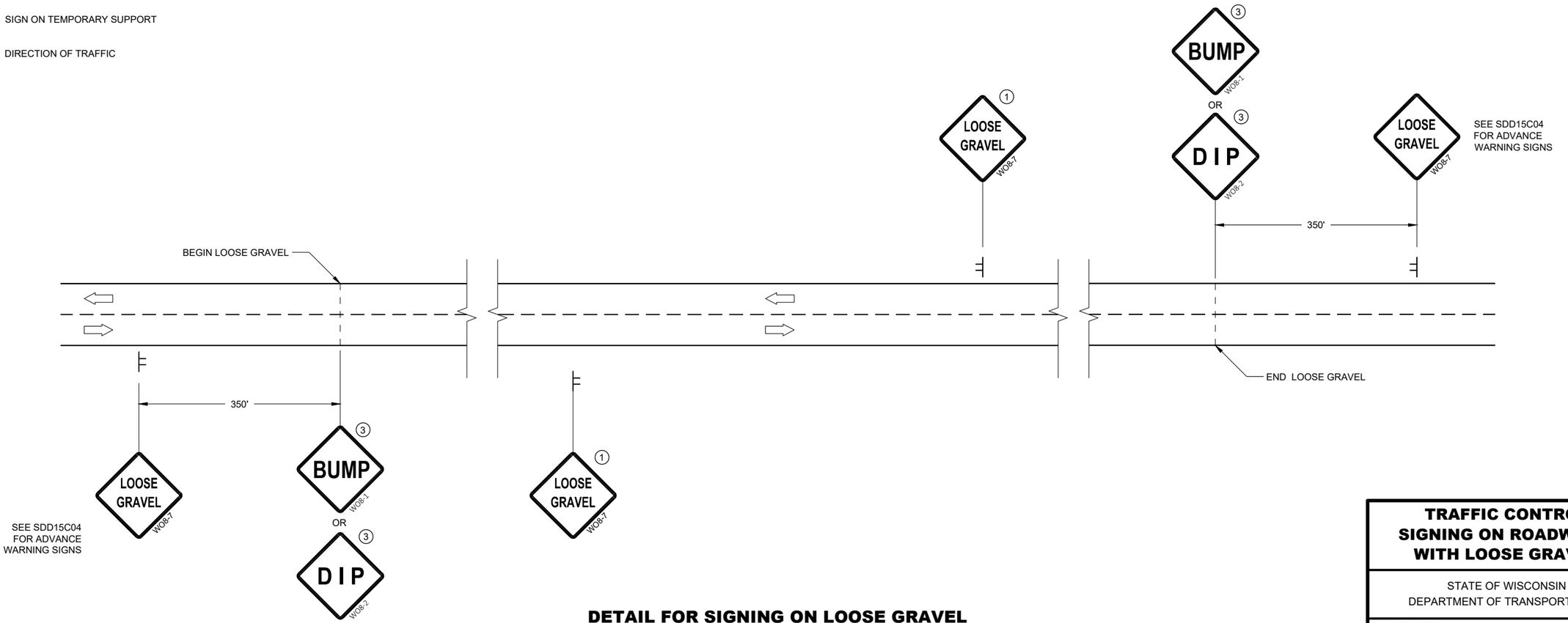
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

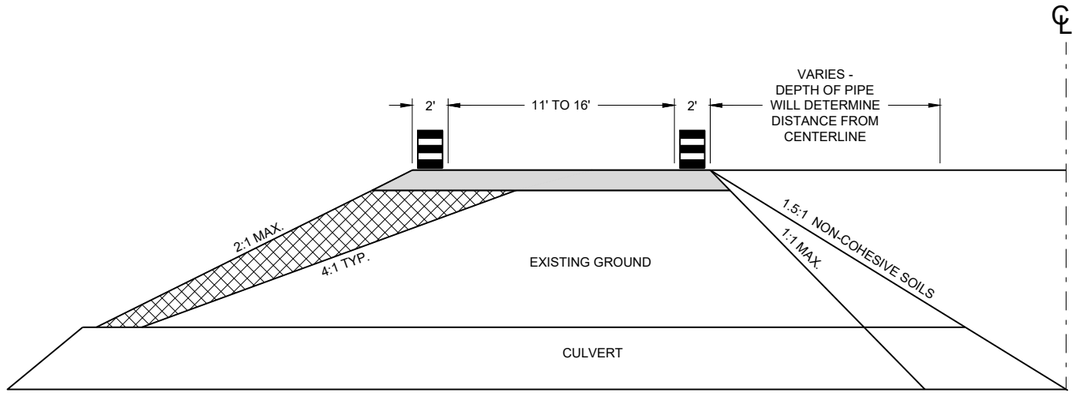
FHWA

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SDD 15D45 - 03

6

SDD 15D45 - 03



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

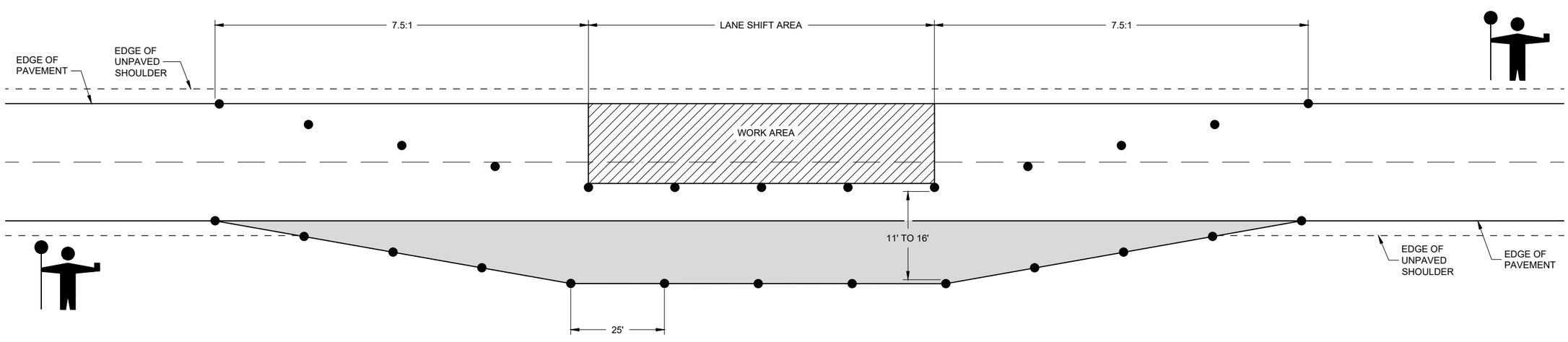
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

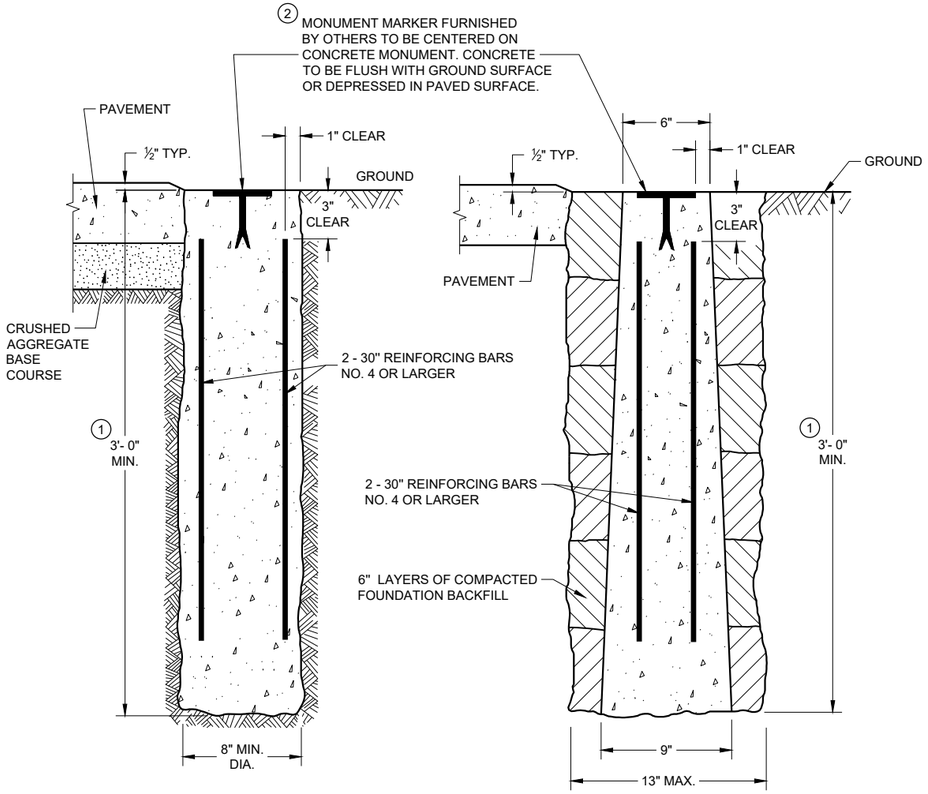
FHWA

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SDD 15D48 - 01

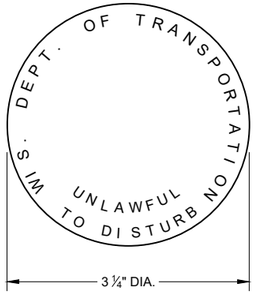
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SDD 15D48 - 01



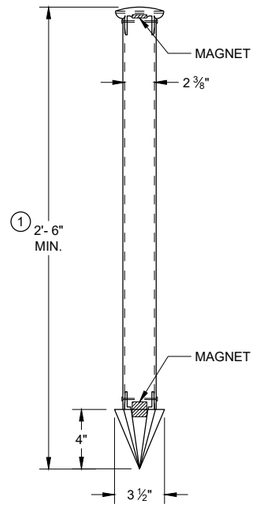
CAST-IN-PLACE **PRECAST**

CONCRETE MONUMENTS
TYPE A

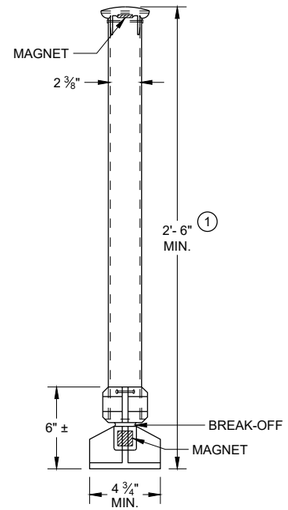


② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C" & "D"

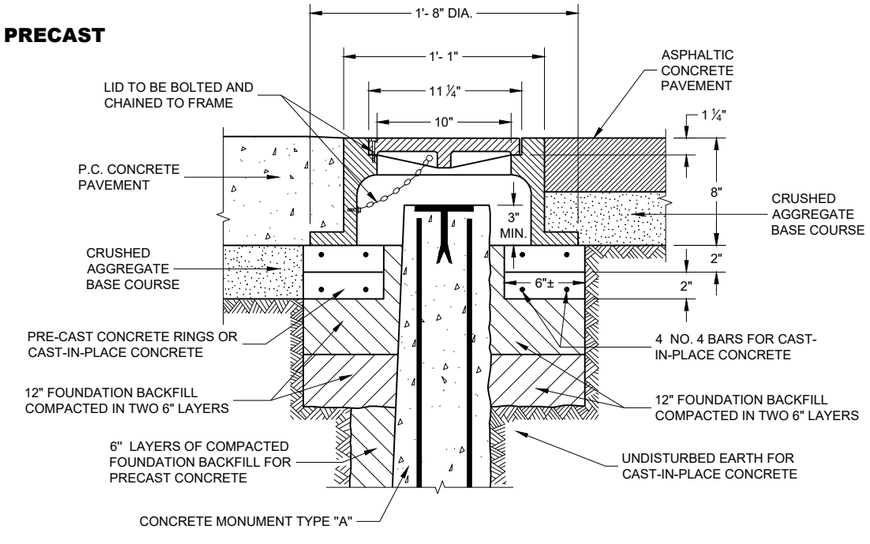


TYPE C
DRIVEN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS
(INCLUDES MARKER)



CAST IRON MONUMENT COVER
(APPROXIMATE WEIGHT 95 LBS)

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.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

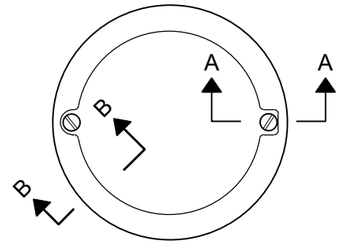
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

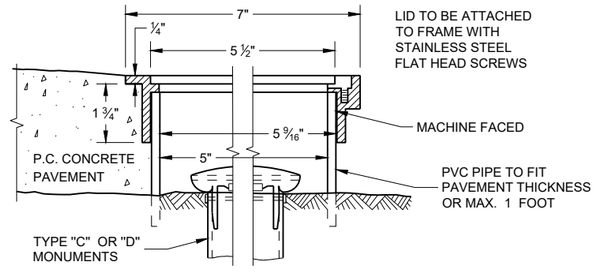
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WISDOT MARKER.



TOP VIEW



SECTION B-B **SECTION A-A**

ALUMINUM MONUMENT COVER
(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Raymond A. Kumapayii
CHIEF SURVEYING AND MA
ENGINEER

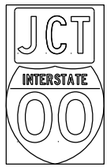
FHWA

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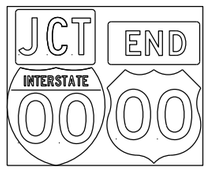
SDD 16A01 - 07

SDD 16A01 - 07

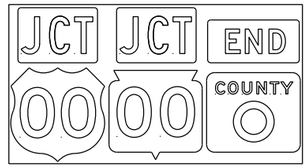
TYPICAL ASSEMBLIES



J1-1



J1-2



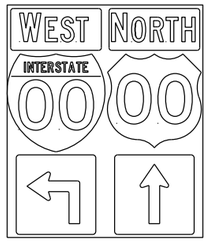
J1-3



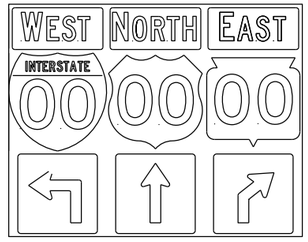
JR1-1



J2-1



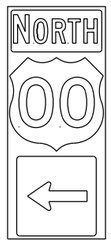
J2-2



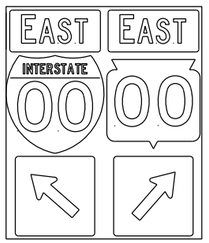
J2-3



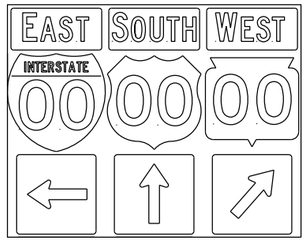
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



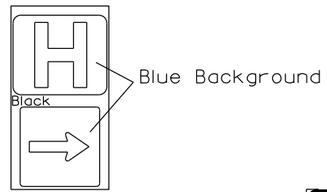
J3-1



J3-2



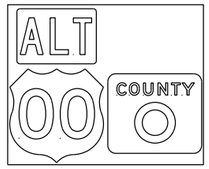
J3-3



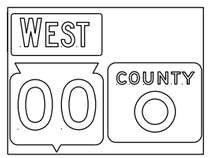
JH-1



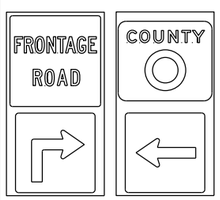
J4-1



J4-2



J4-2



J12-1

J13-1



J32-1



J33-1



J22-1



J23-1



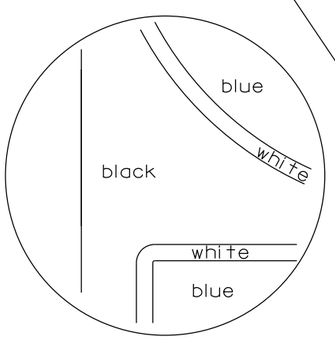
JR13-1

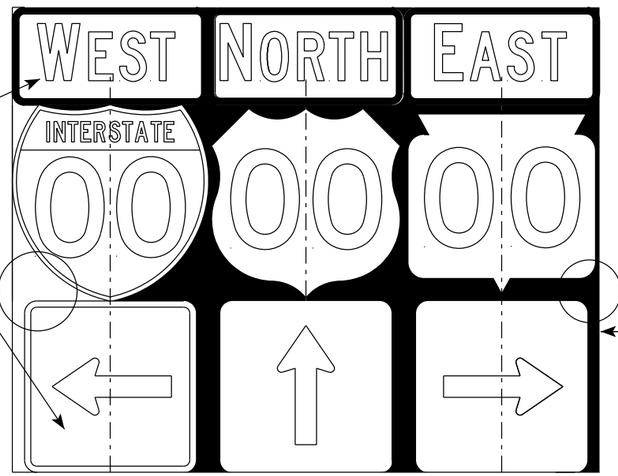


JR23-1



JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. 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.
7. 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.
8. 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.
9. 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.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 198 E

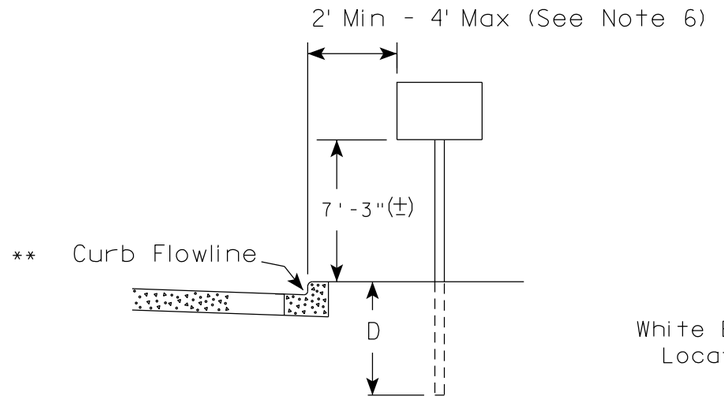
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WISDOT/CADDS SHEET 42

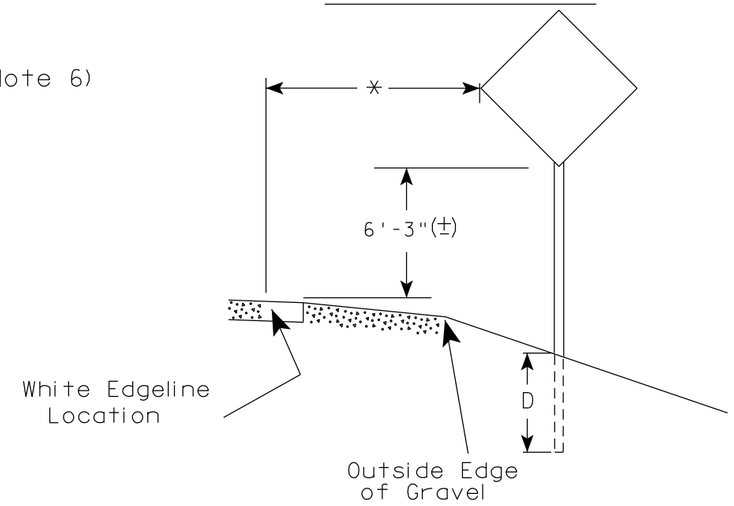
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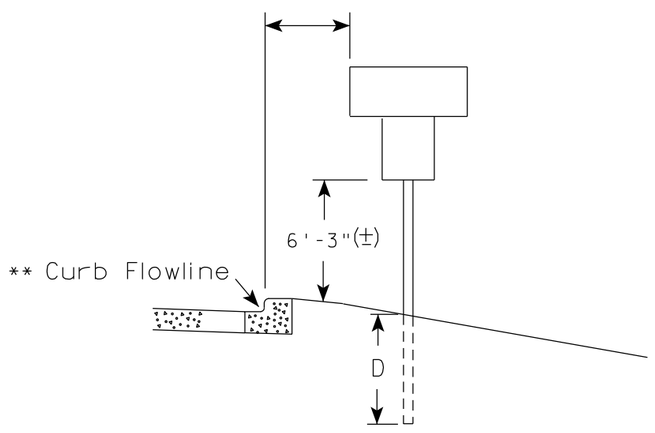
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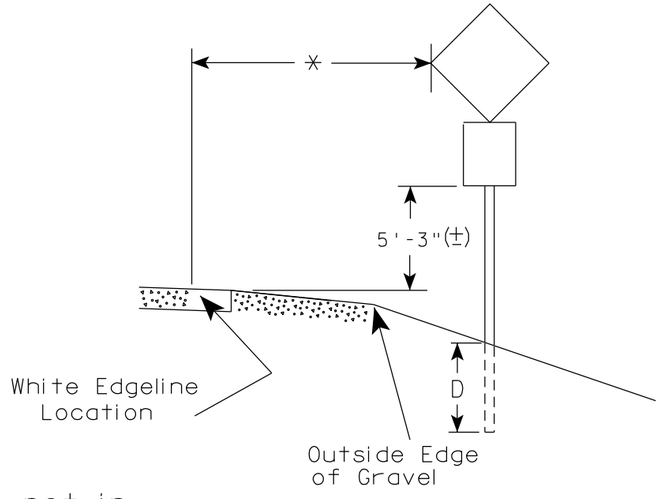
URBAN AREA



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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

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" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

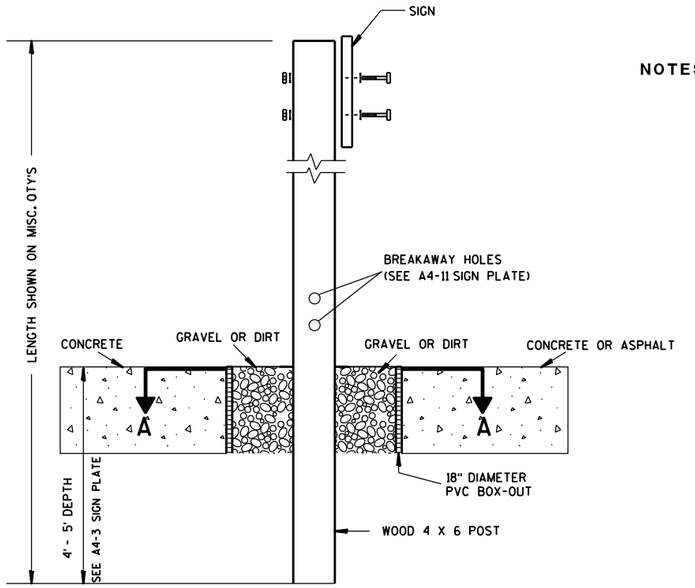
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

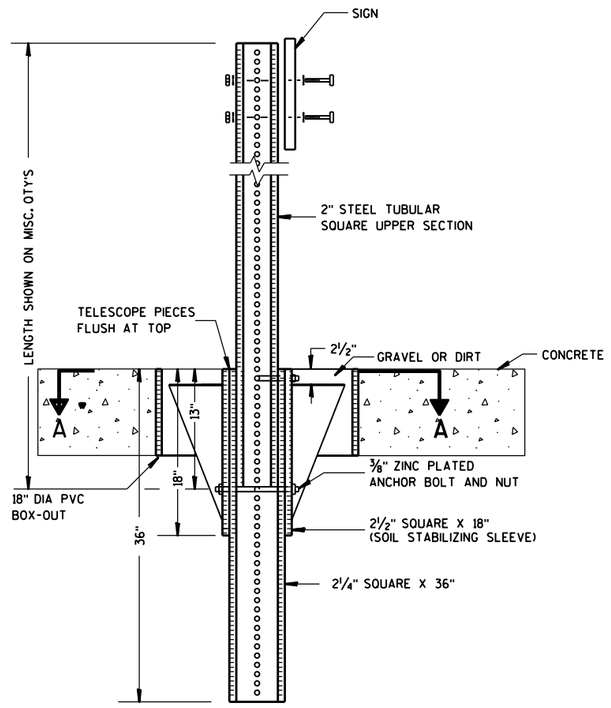
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 199	E



ELEVATION VIEW

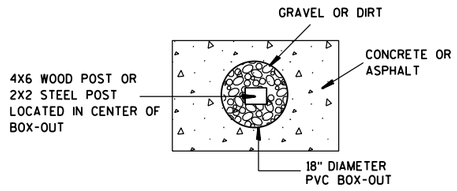
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

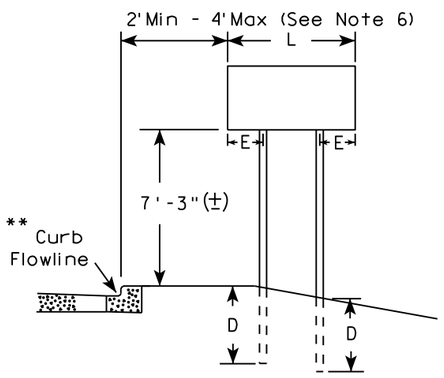
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

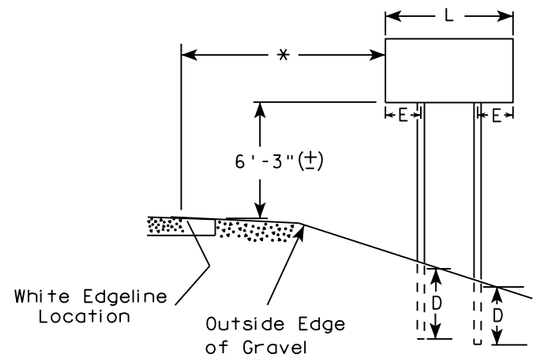
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

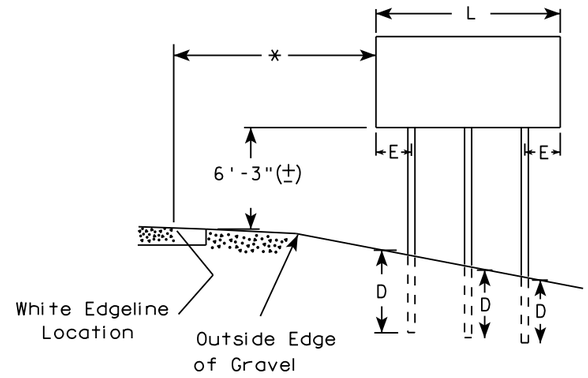
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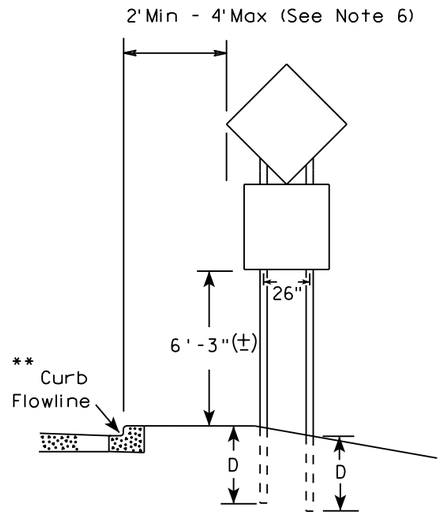
URBAN AREA



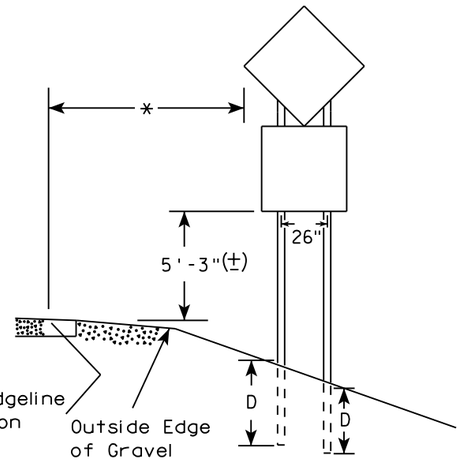
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



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" (±) or 6'-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" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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" (±).

* 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'

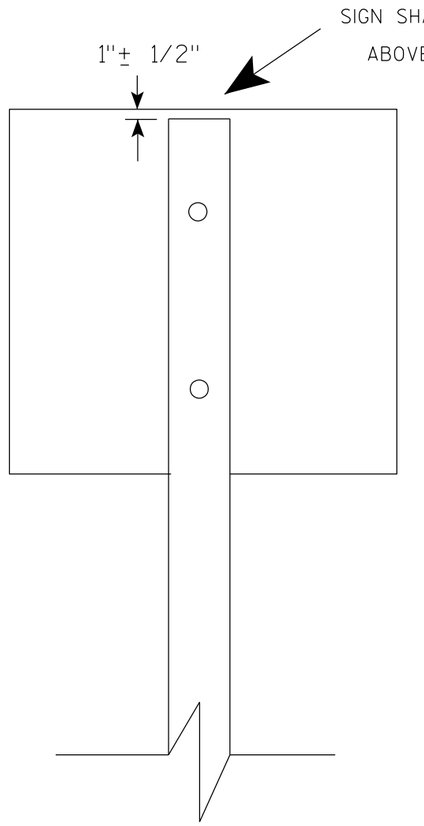
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

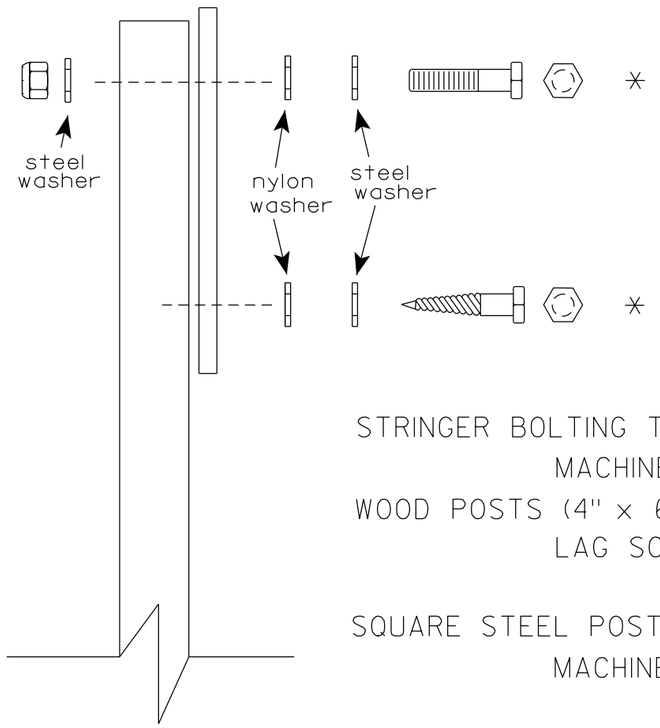
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 201	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

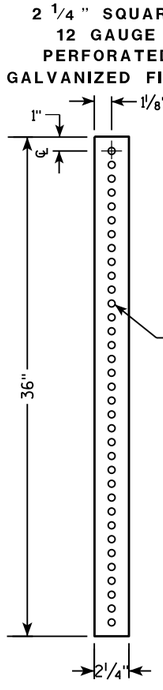
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

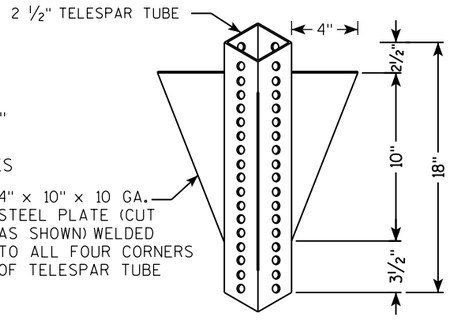
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

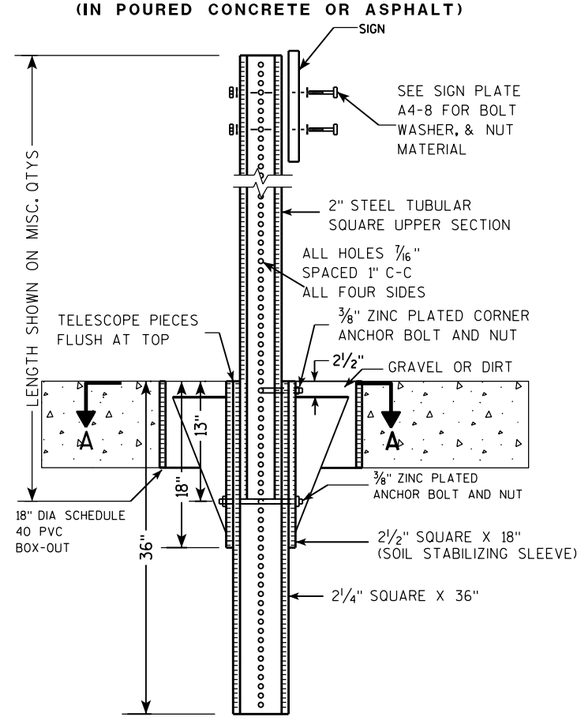
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



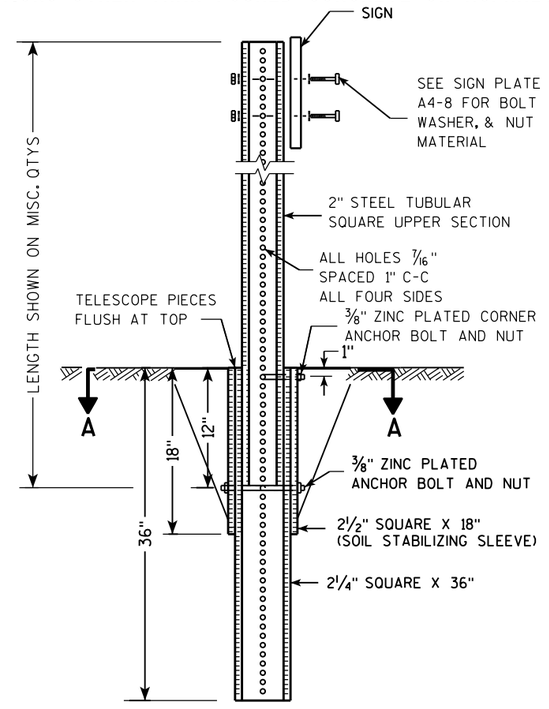
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

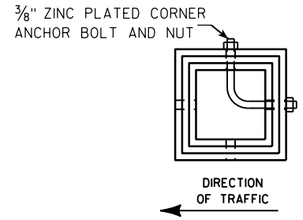


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

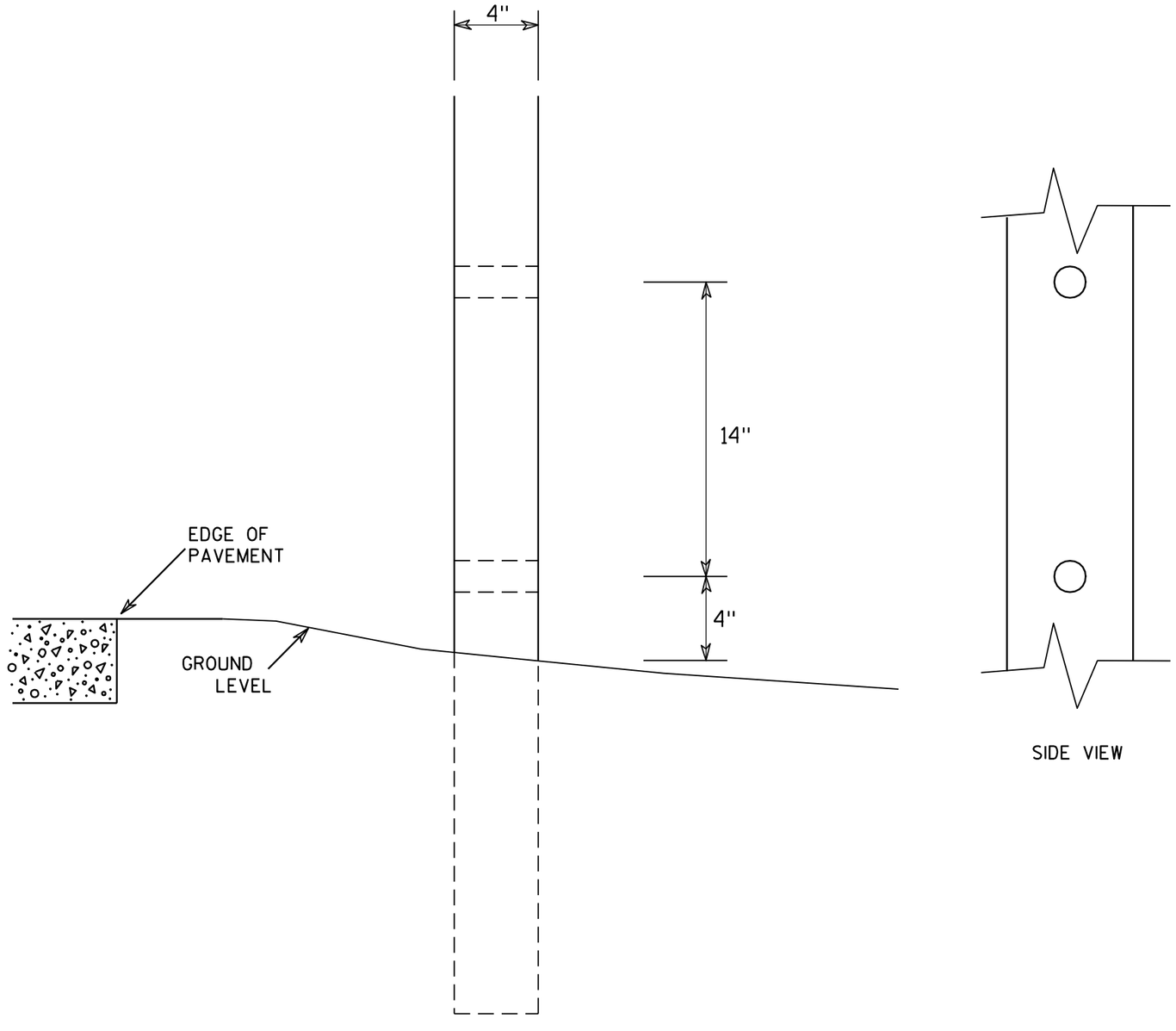
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 203 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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.

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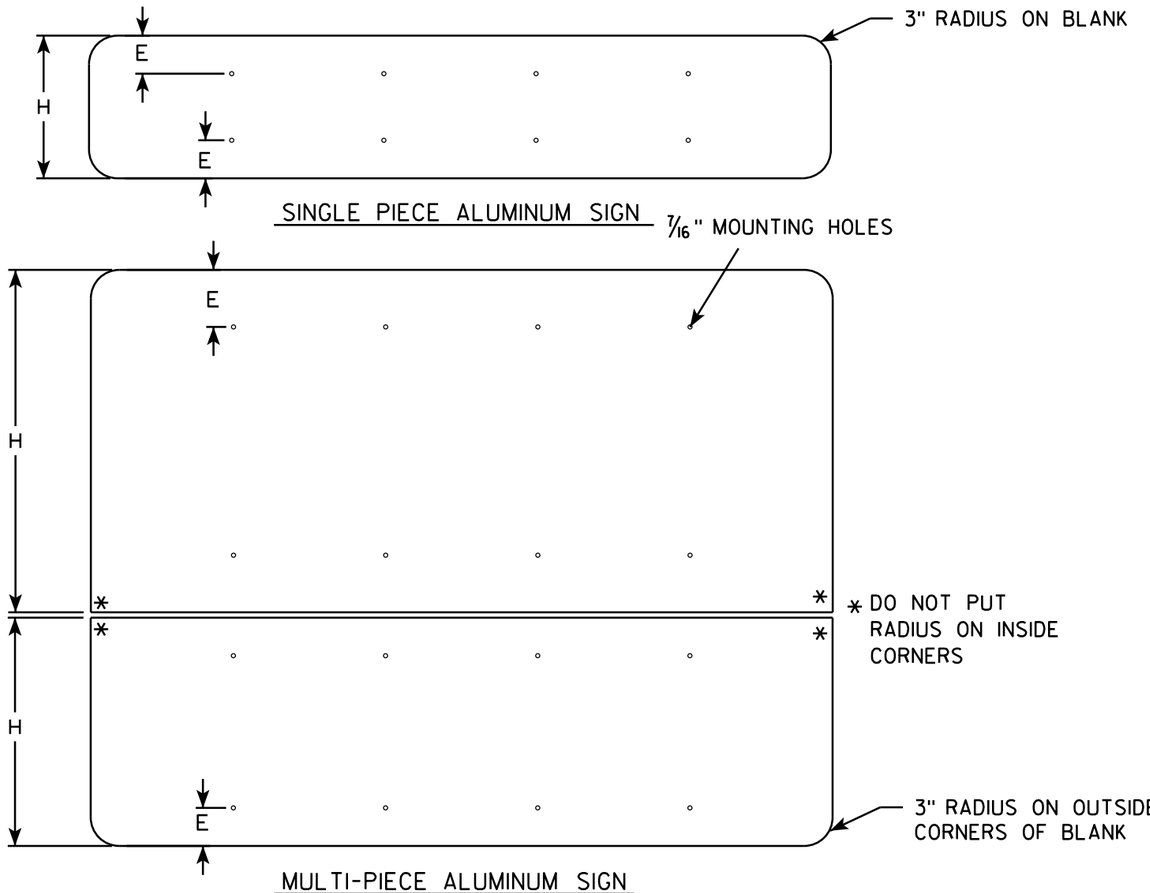
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

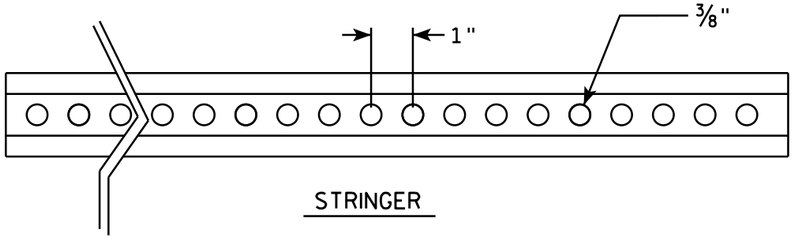
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 204	E



GENERAL NOTES

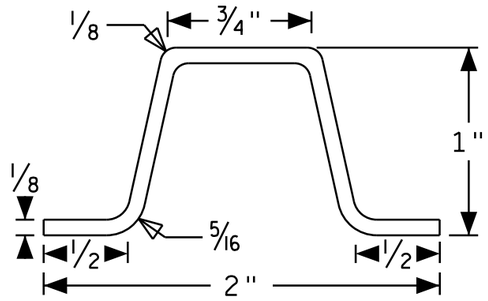
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

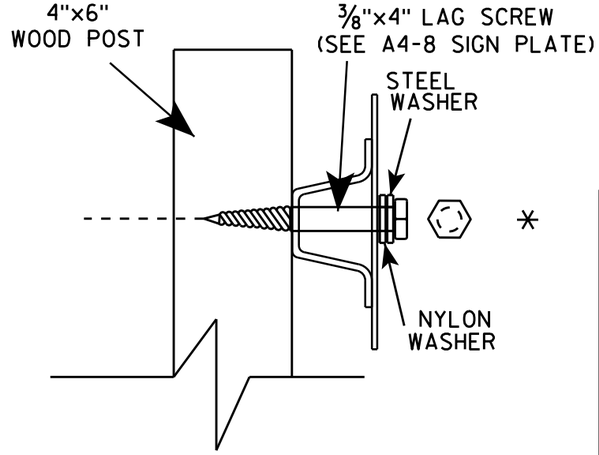


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

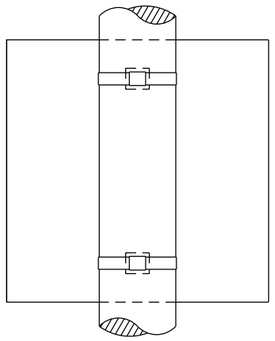
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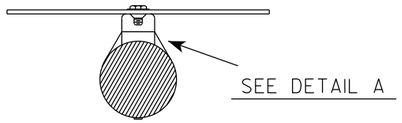
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

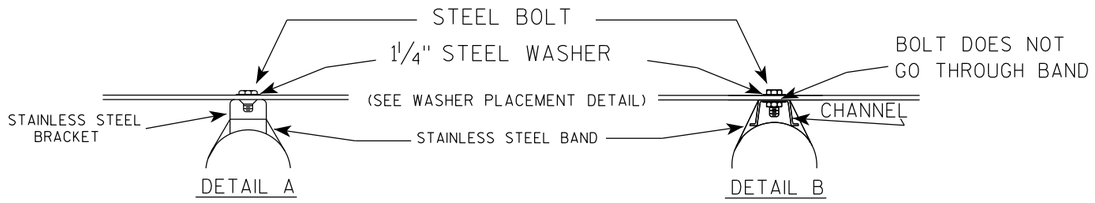
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BANDING

SINGLE SIGN



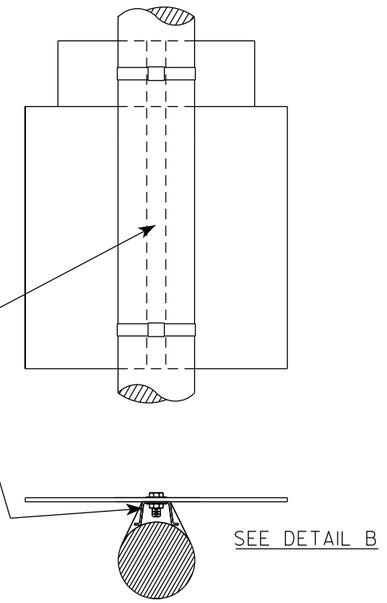




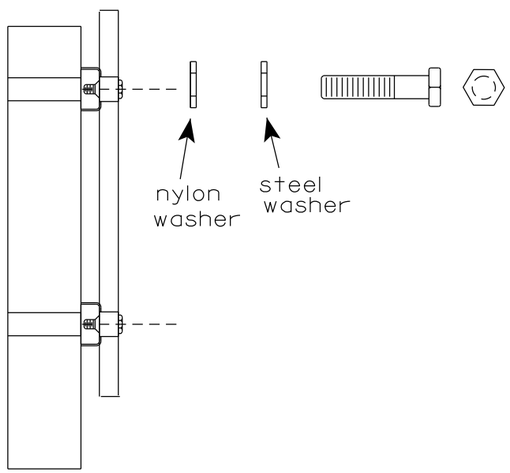
GENERAL NOTES

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

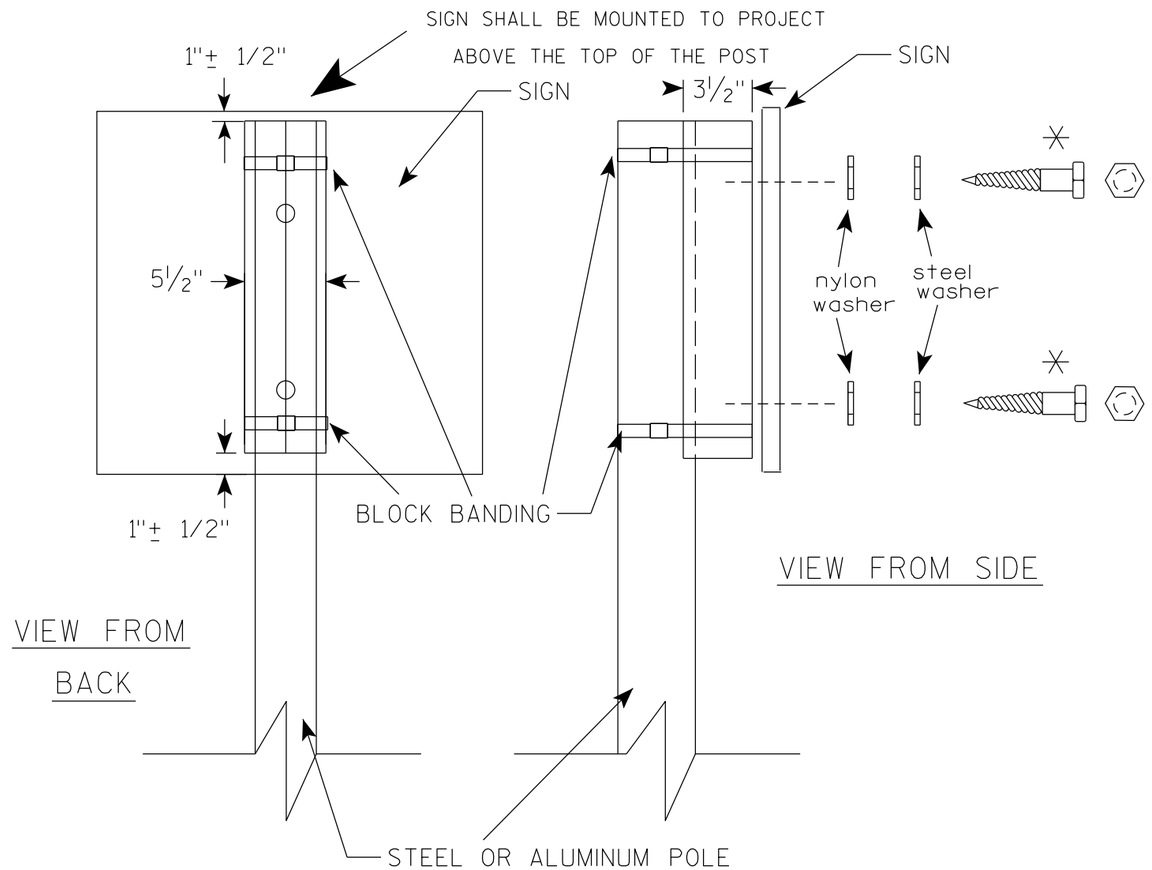
DATE 6/10/19 PLATE NO. A5-9.4

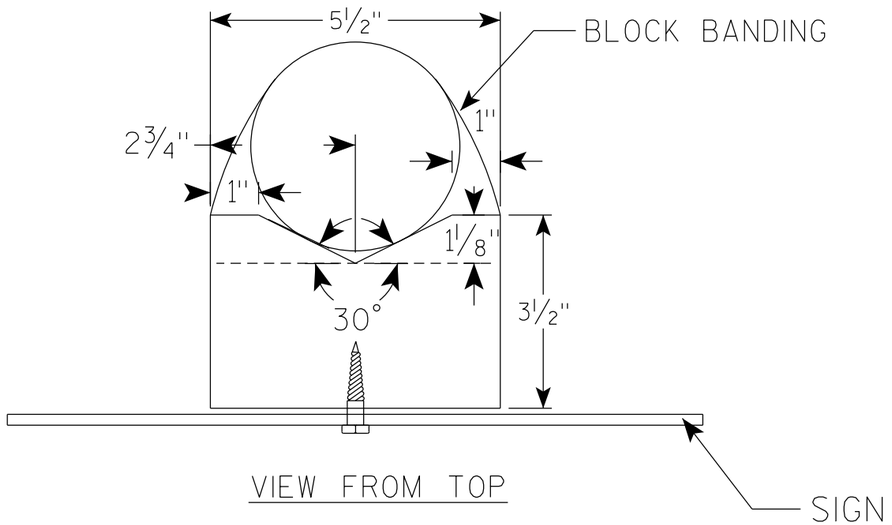
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GENERAL NOTES

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)

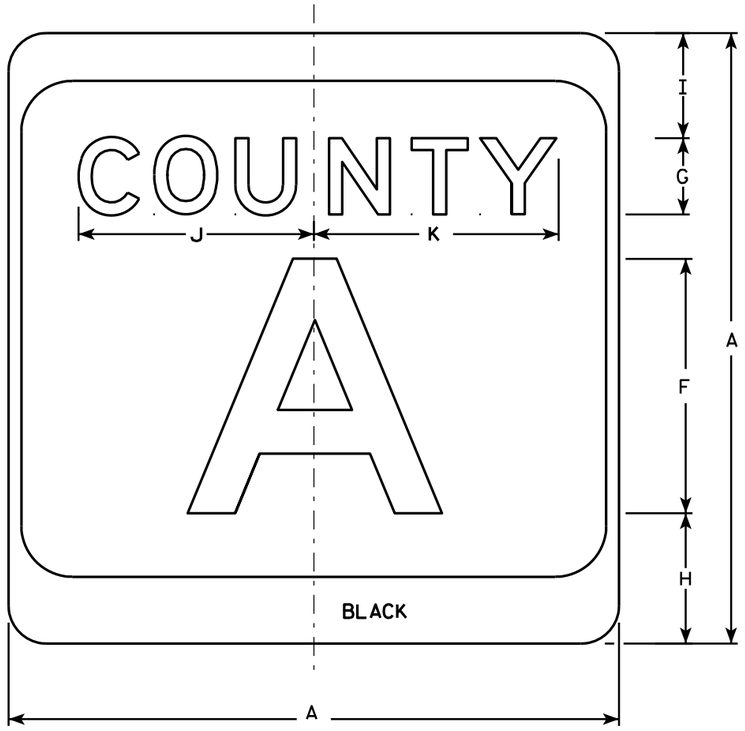
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

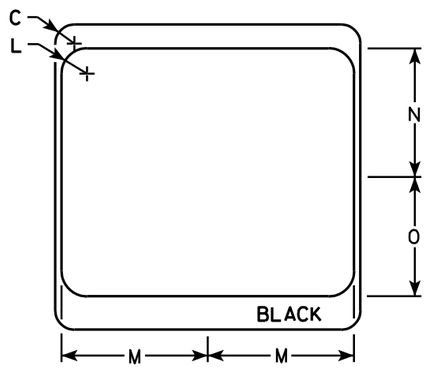
DATE 4/19/2022 PLATE NO. A5-10.3

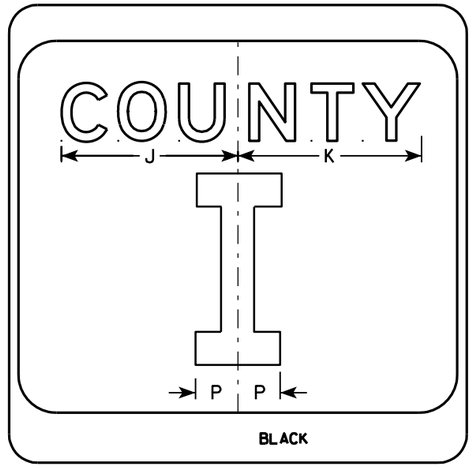
PROJECT NO:

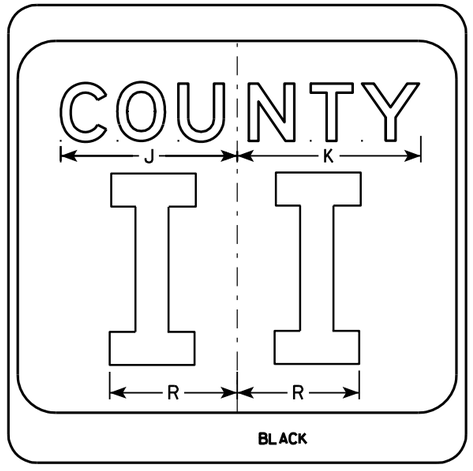
SHEET NO: 207 E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

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		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

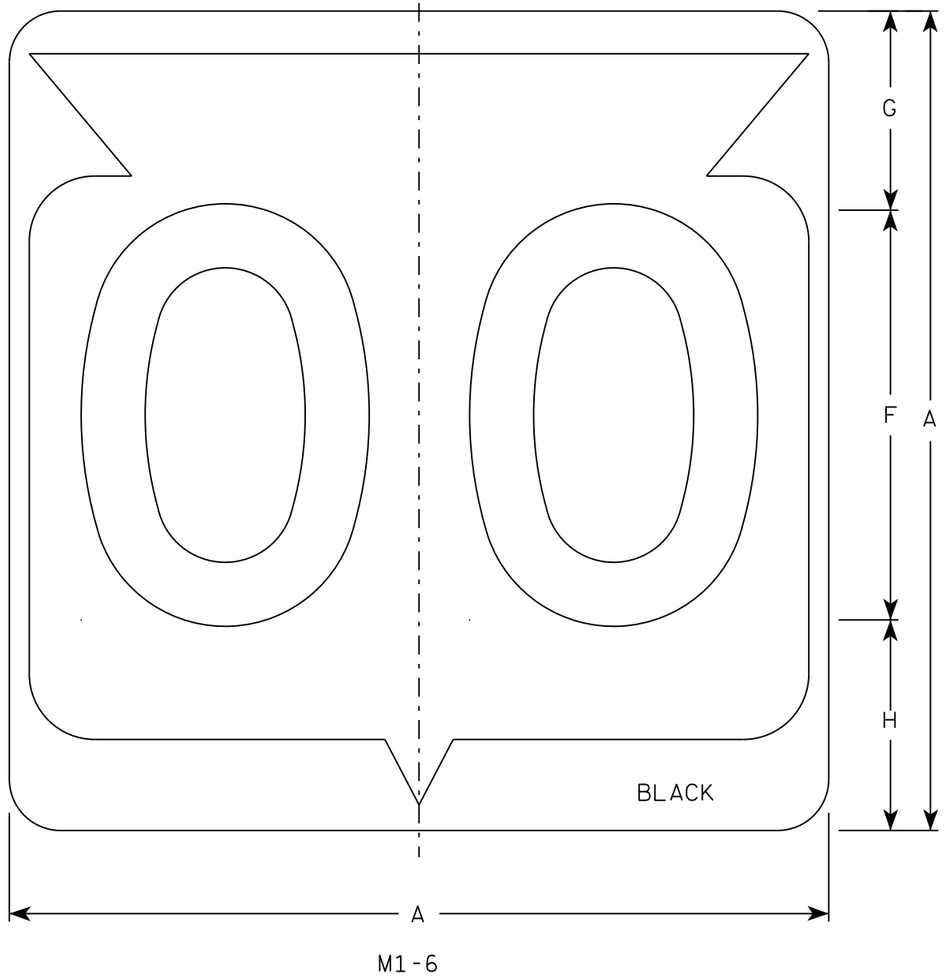
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

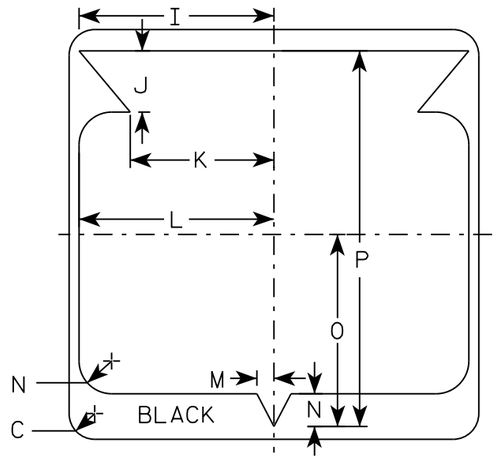
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 208 | E



M1-6

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
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																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

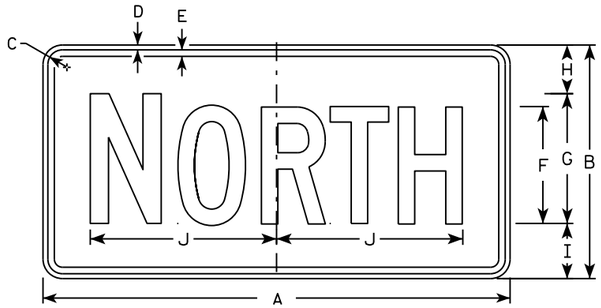
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

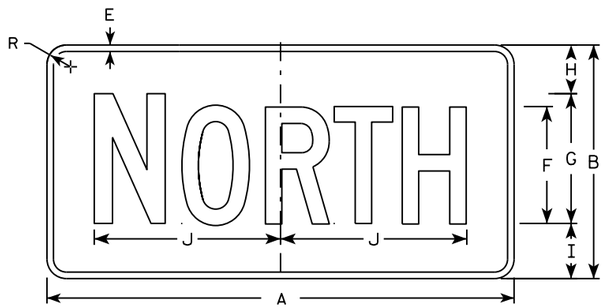
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 | E



M3-1
MM3-1
MP3-1



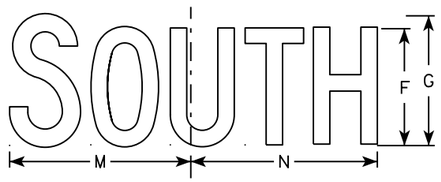
MB3-1
MK3-1
MN3-1



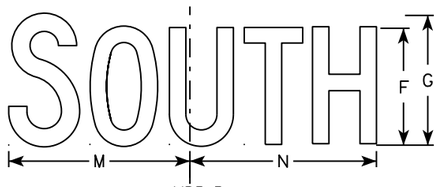
M3-2
MM3-2
MP3-2



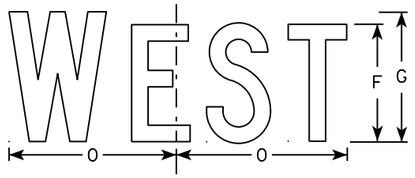
MB3-2
MK3-2
MN3-2



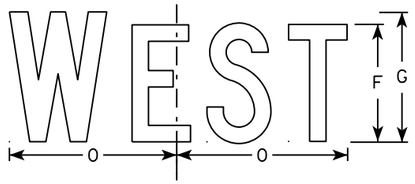
M3-3
MM3-3
MP3-3



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
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																											
2	24	12	1 1/8	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			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

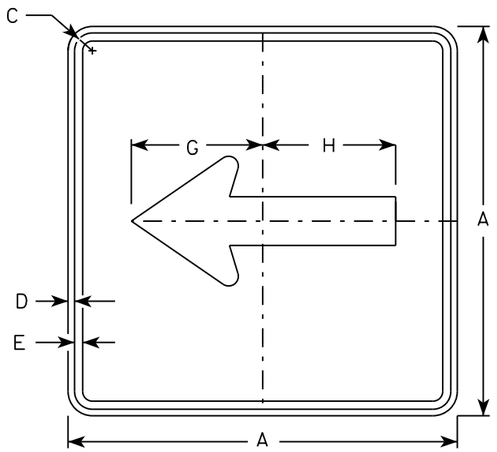
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

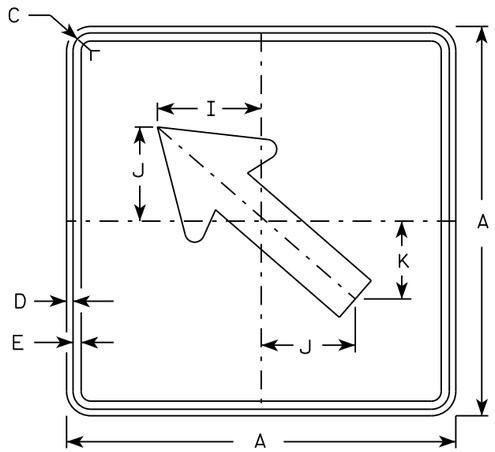
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



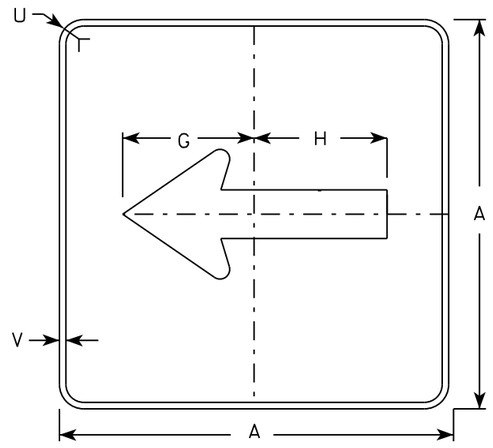
M6-1
MM6-1
MO6-1
MP6-1



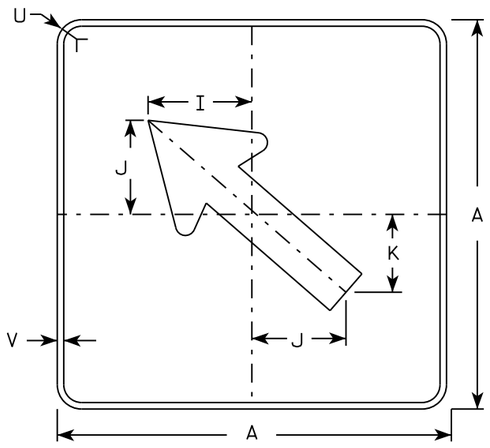
M6-2
MM6-2
MO6-2
MP6-2

NOTES

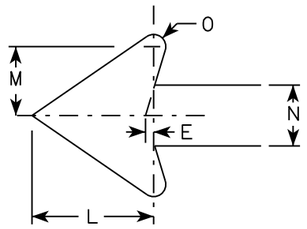
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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	21		1 1/8	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 1/2	1/2						3.06
3	30		1 3/8	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 7/8	1/2						6.25
4	30		1 3/8	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 7/8	1/2						6.25
5	30		1 3/8	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 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

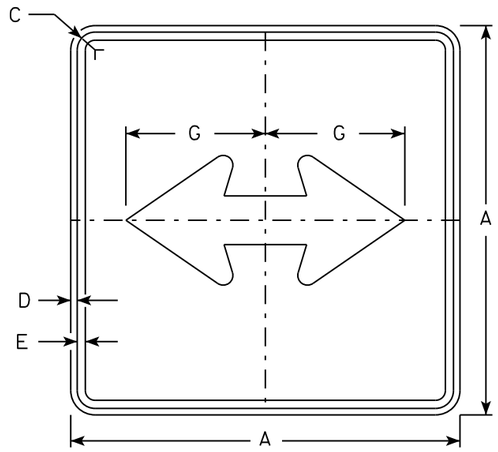
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

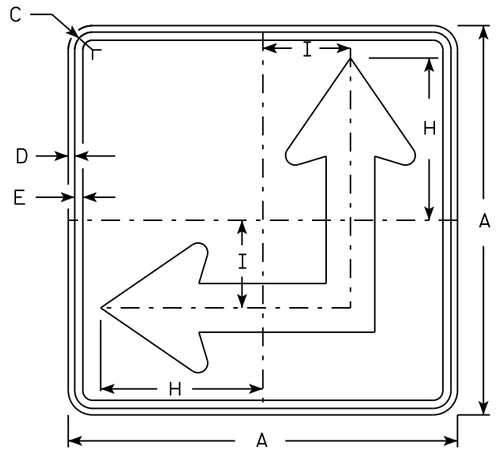
DATE 10/15/15 PLATE 211 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



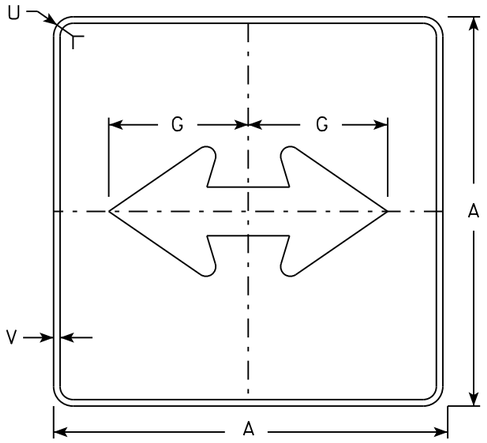
M6-4
MM6-4
MO6-4
MP6-4



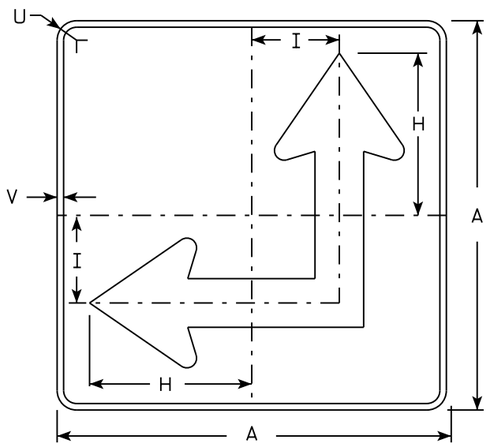
M6-6
MM6-6
MO6-6
MP6-6

NOTES

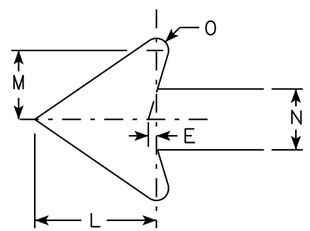
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - 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.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



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	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	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 7/8	1/2					6.25
4	30		1 3/8	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 7/8	1/2					6.25
5	30		1 3/8	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 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

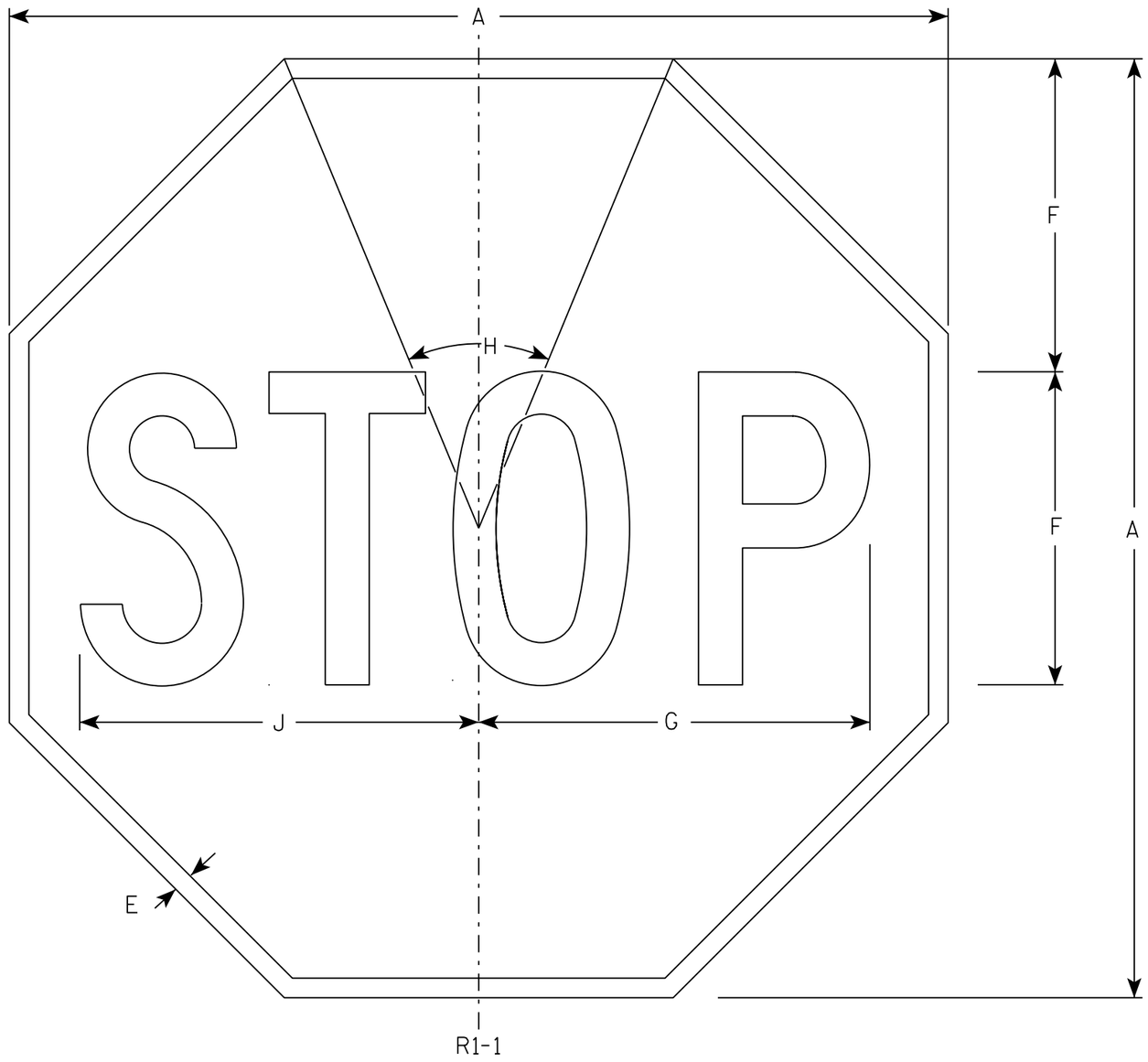
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 212 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



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

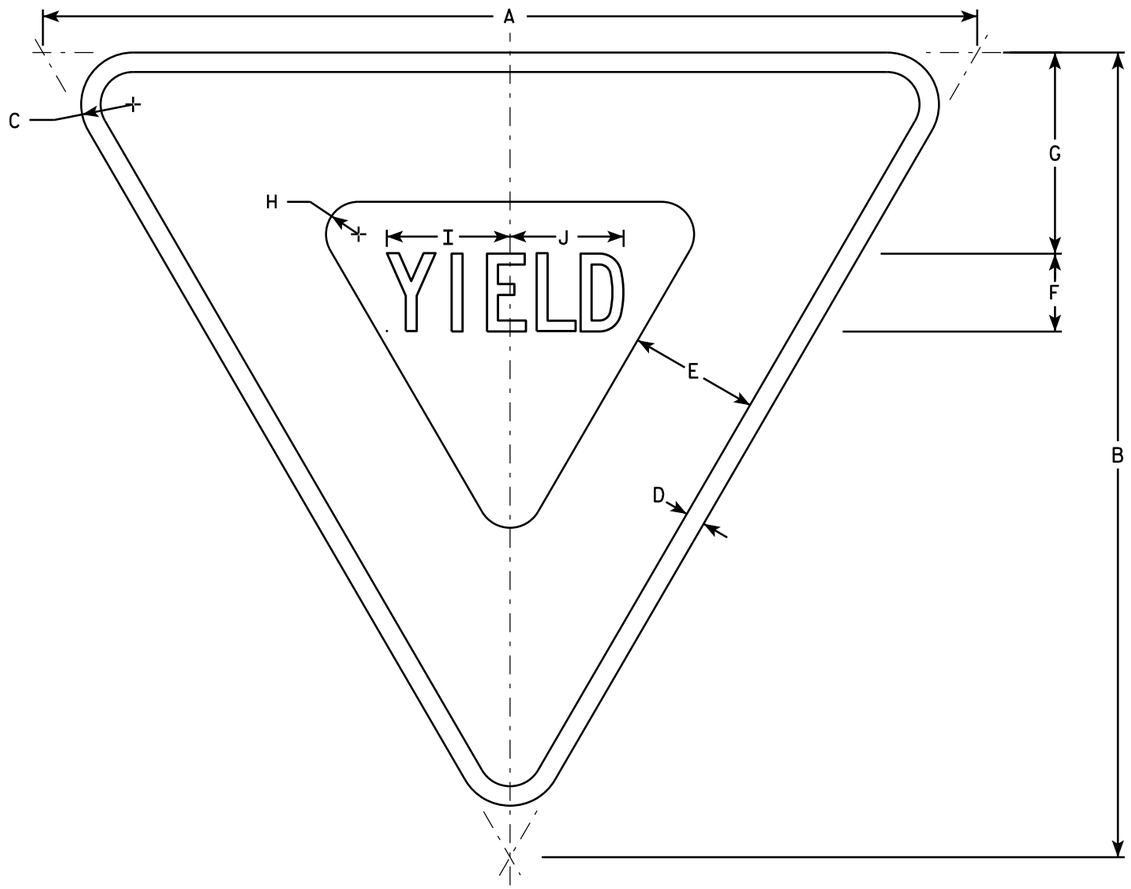
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 213	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. The border strip and word message are reflectorized red.

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	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

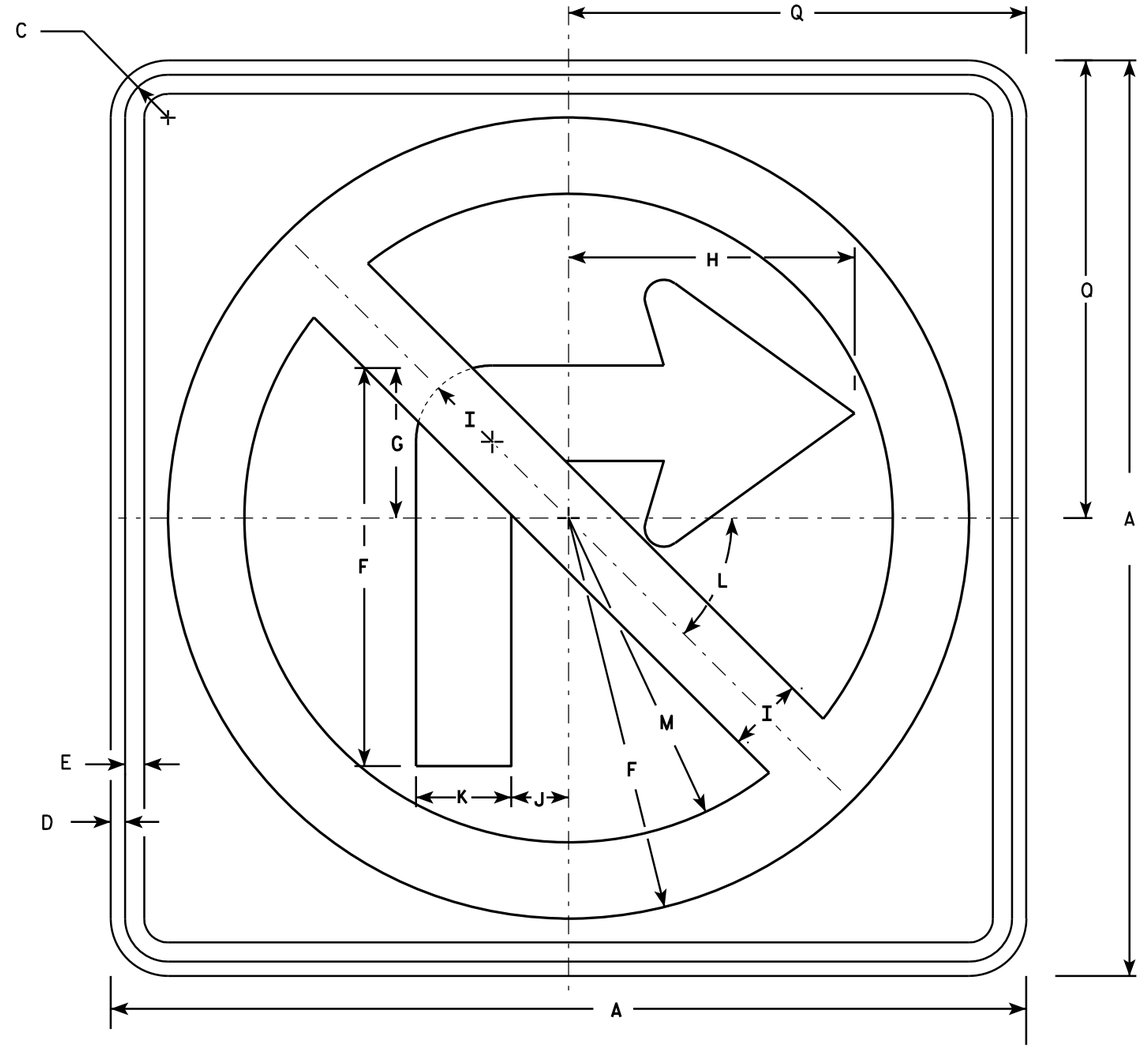
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

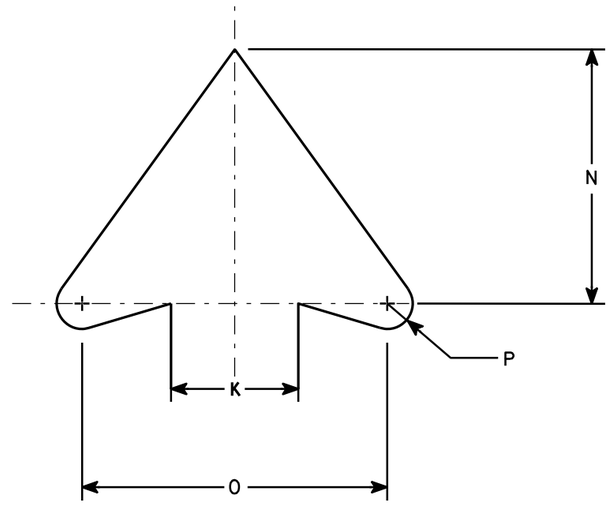
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

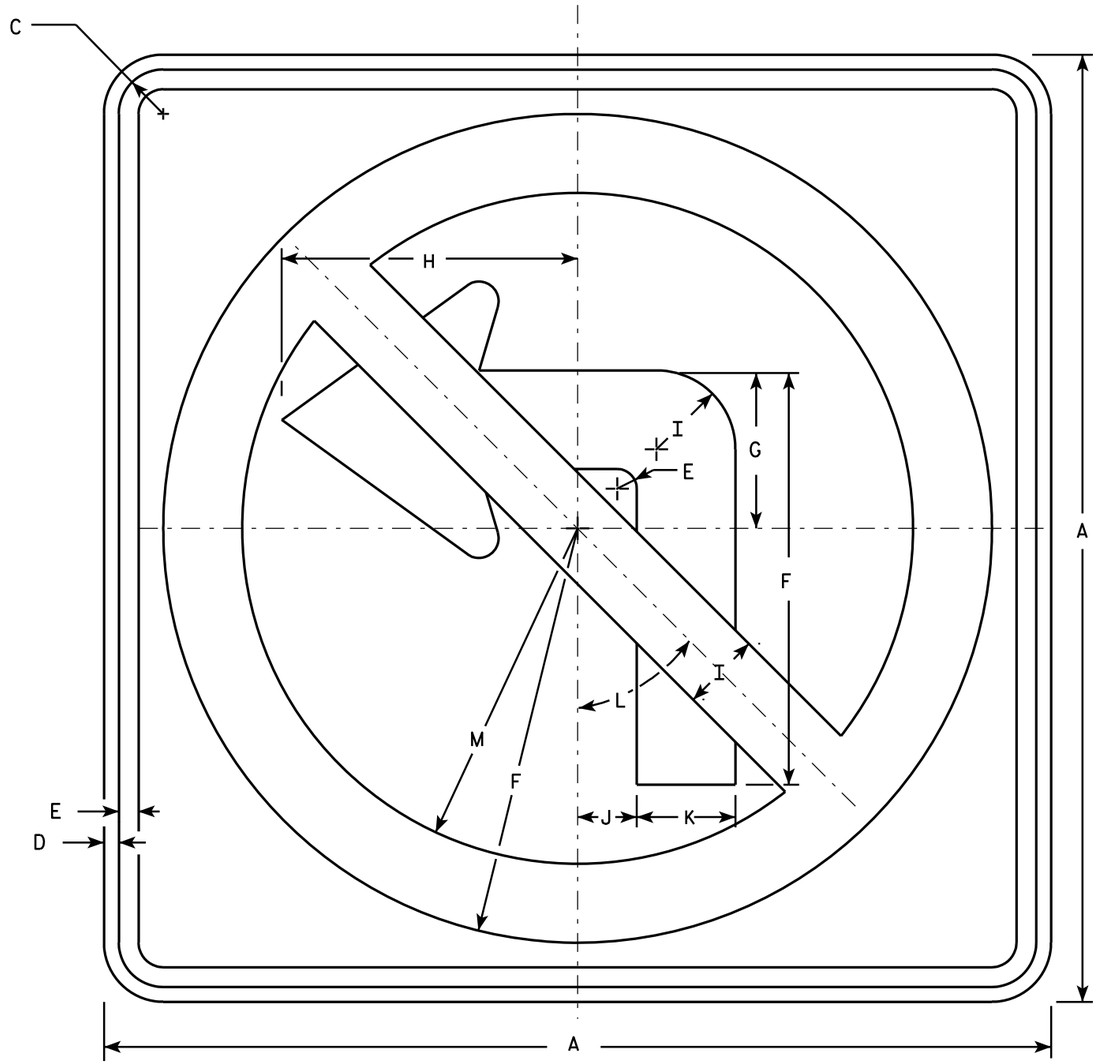
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

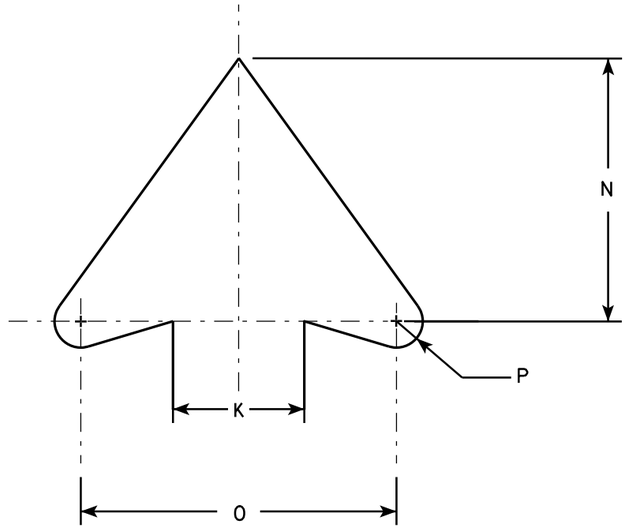
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 215	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. 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 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	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 12/08/10 PLATE NO. R3-2.10

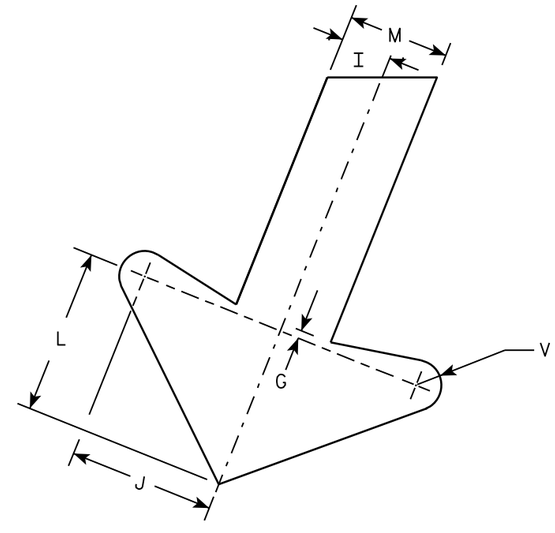
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 216	E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
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.



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 1/8	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 1/8	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 3/4	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																											

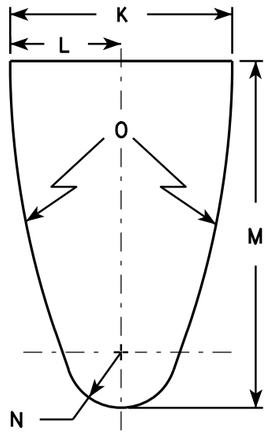
STANDARD SIGN
R3-20R

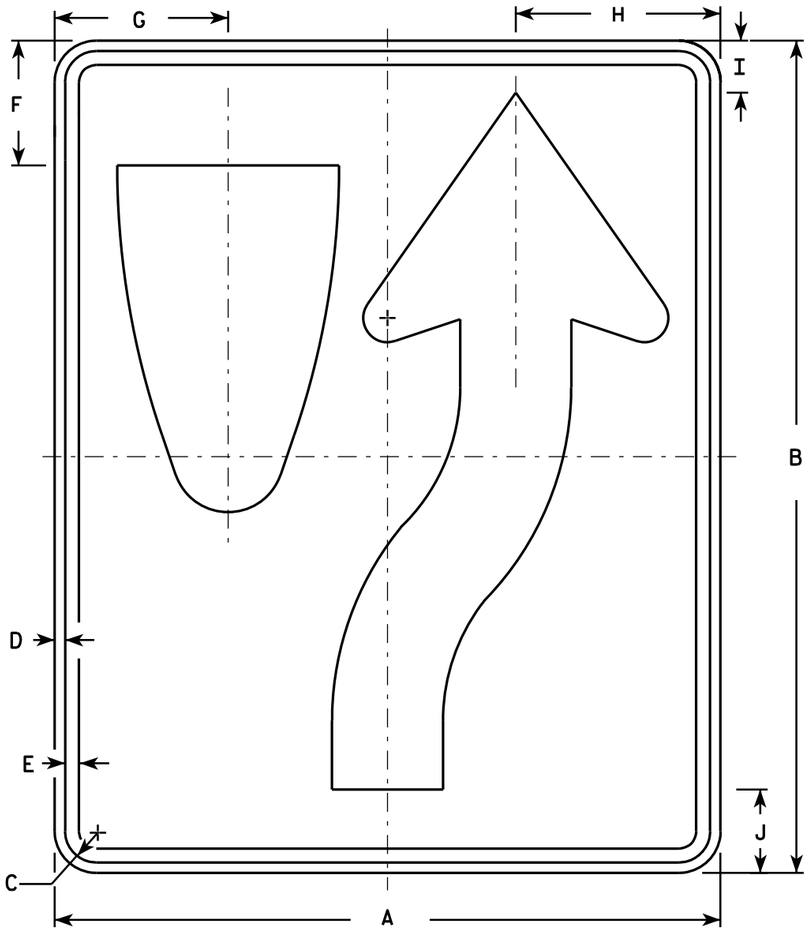
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 217 | E

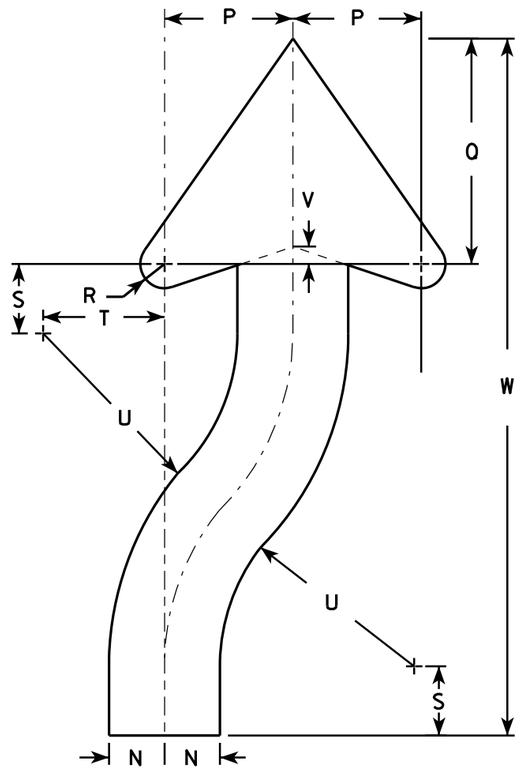




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. 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 1/8	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 1/8	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 1/8	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 3/4	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 3/4	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	2 1/4	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

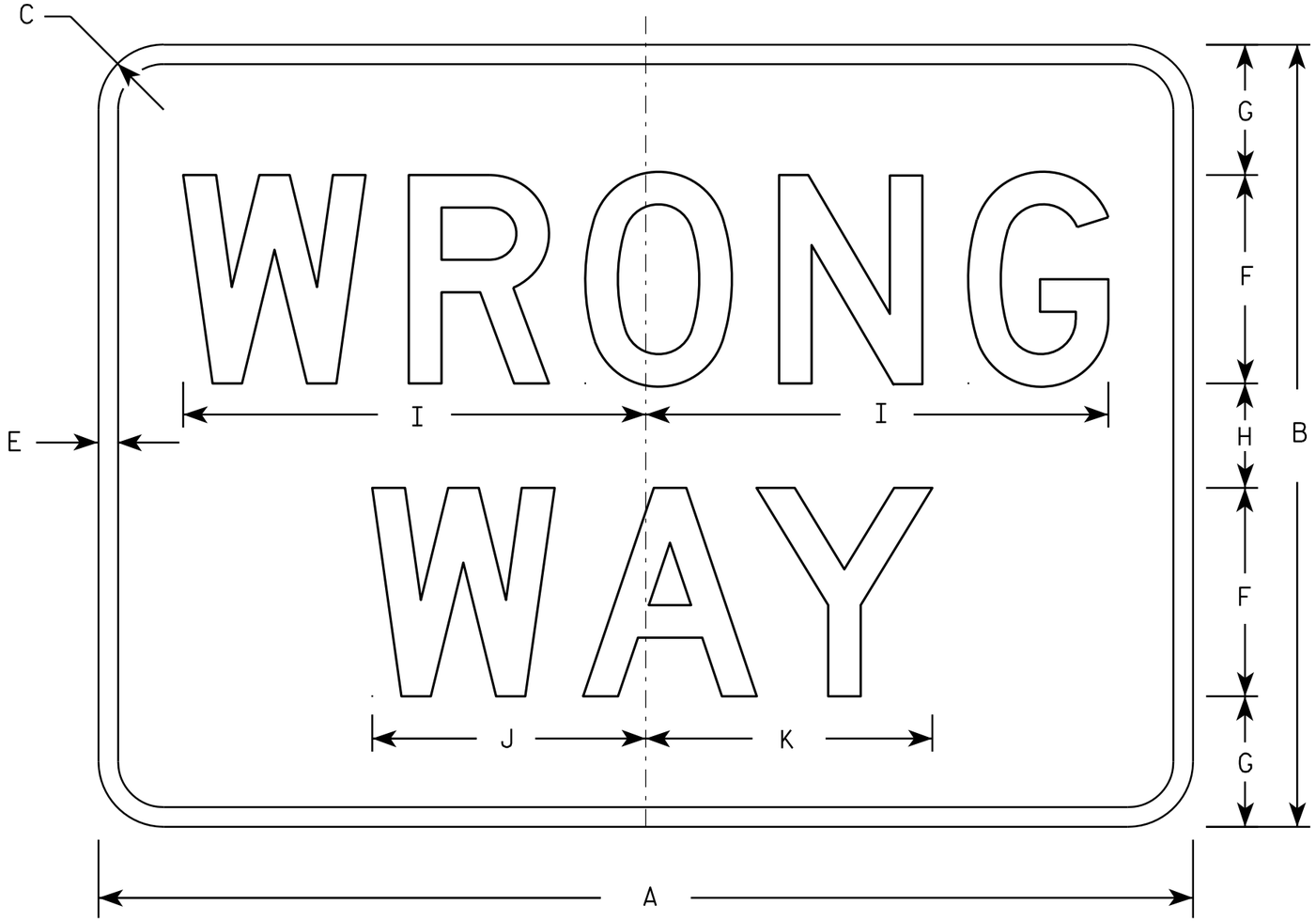
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E



R5-1A

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 - 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	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

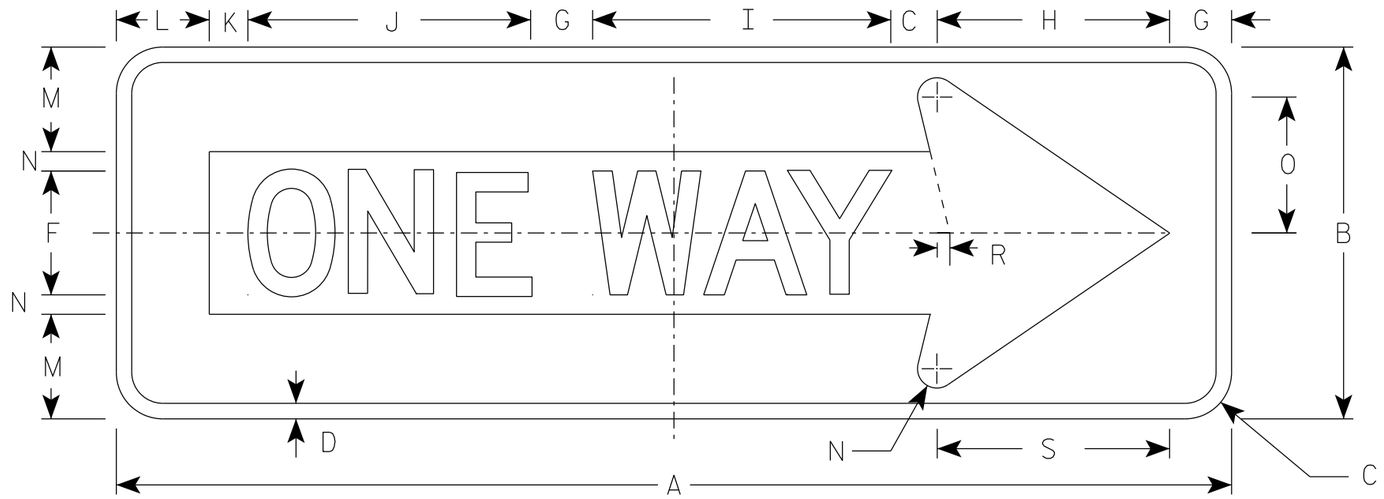
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

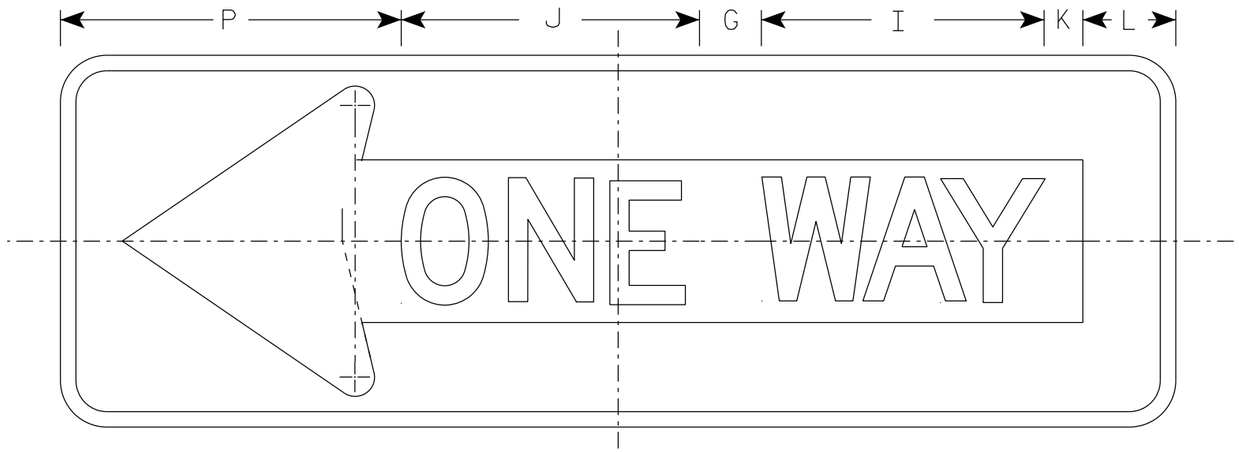
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

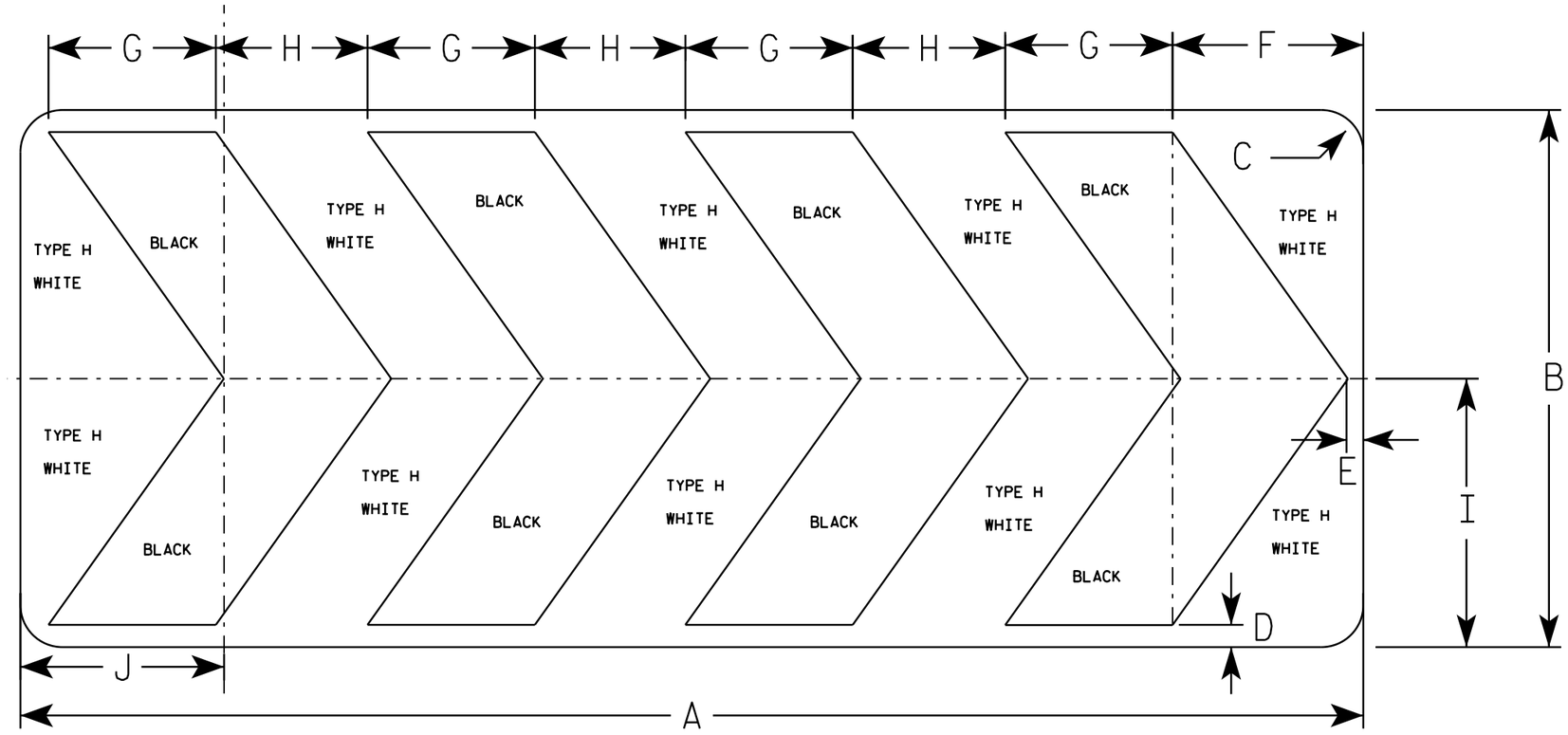
DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

SHEET NO: 220 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   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.



R6-4B

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	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

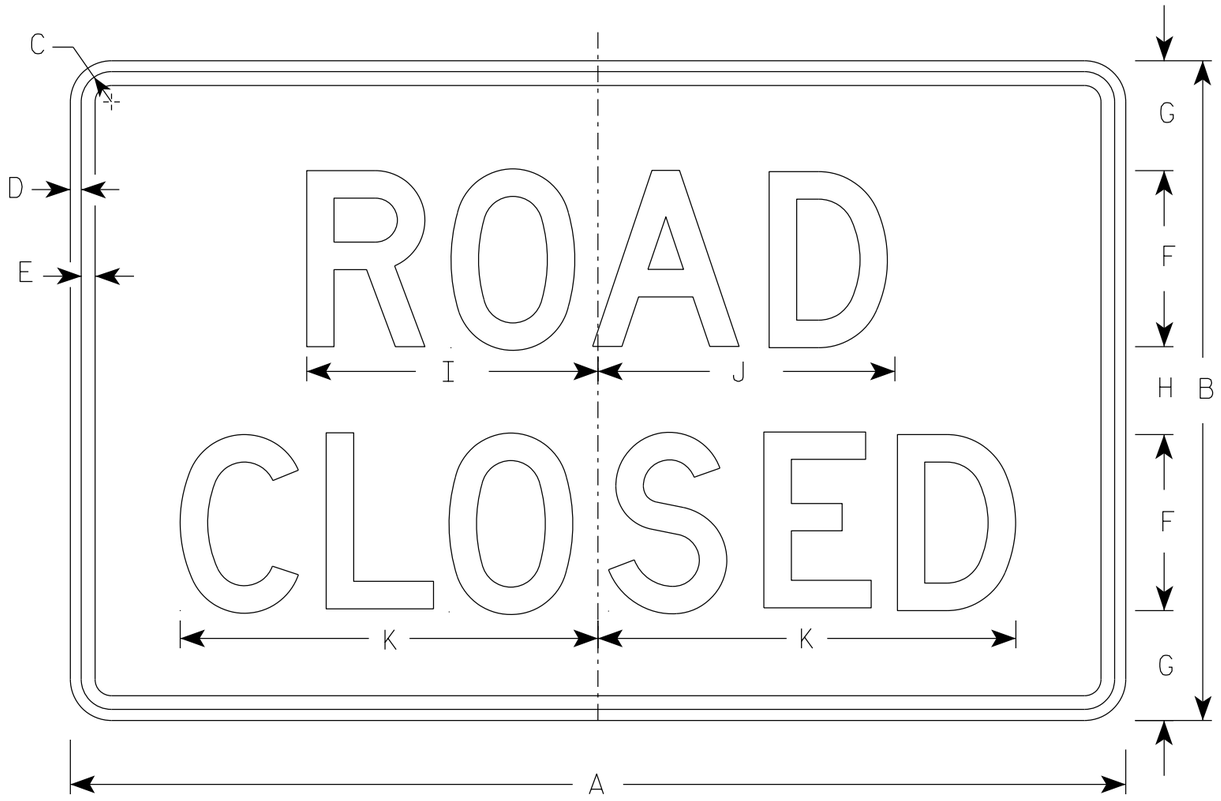
STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

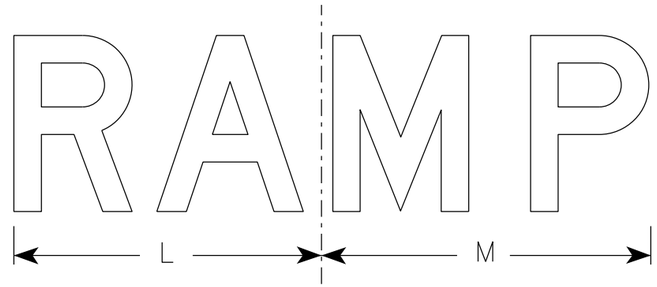
PROJECT NO: SHEET NO: E



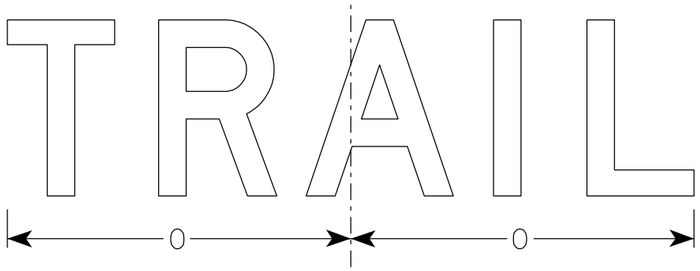
R11-2

NOTES

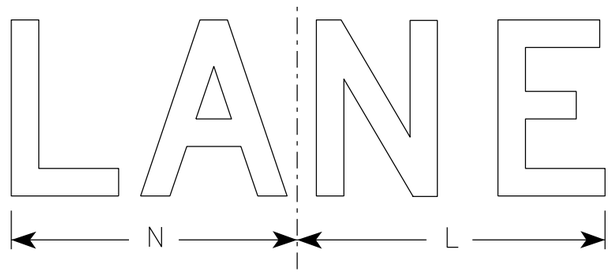
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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 3/8	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 3/8	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 3/8	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 3/8	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 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

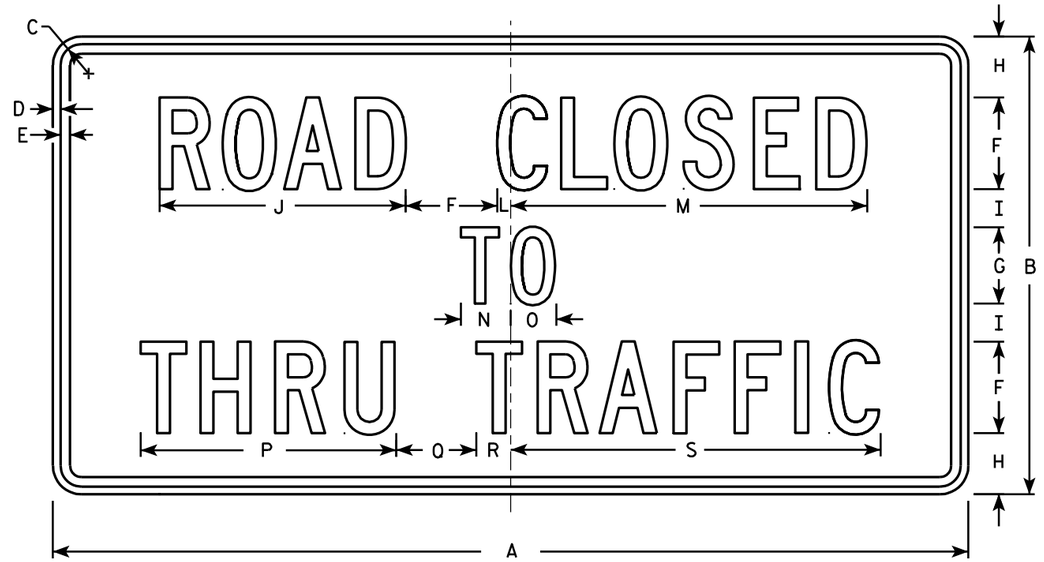
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

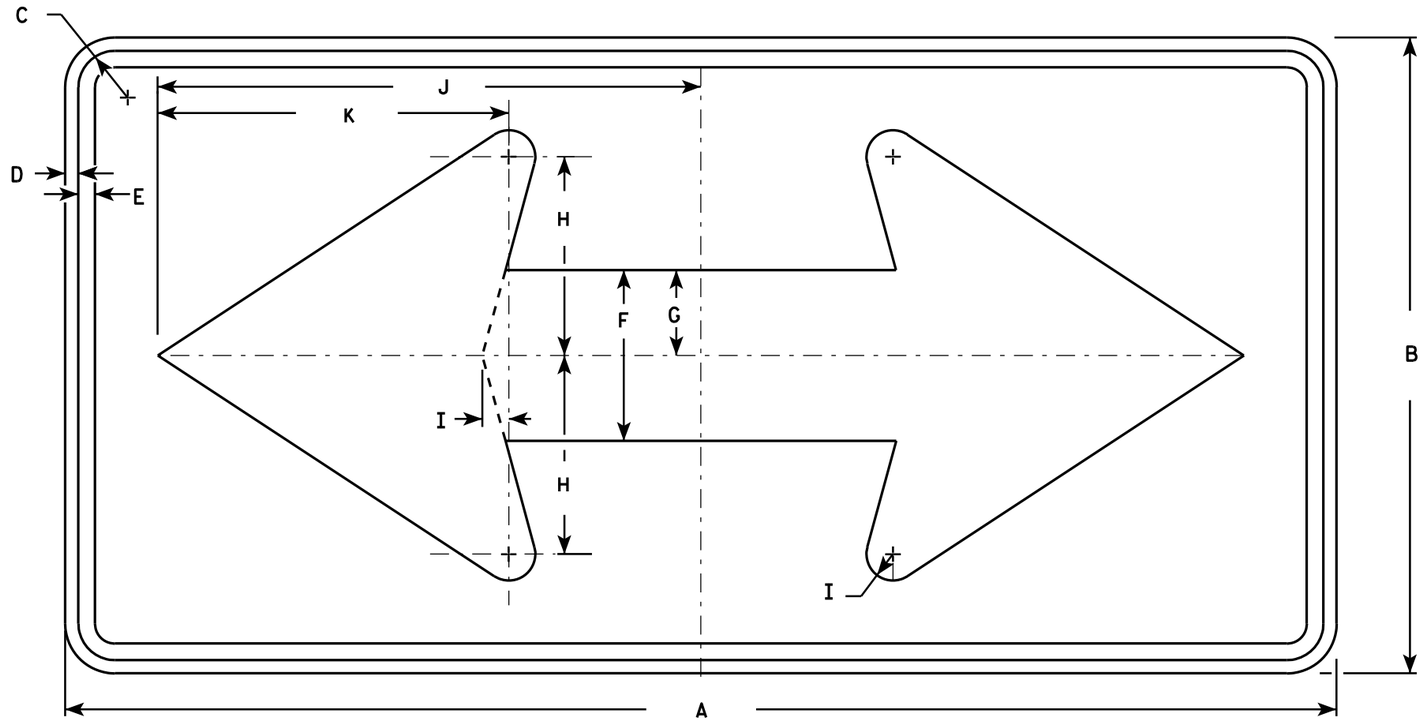
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 223 | E



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

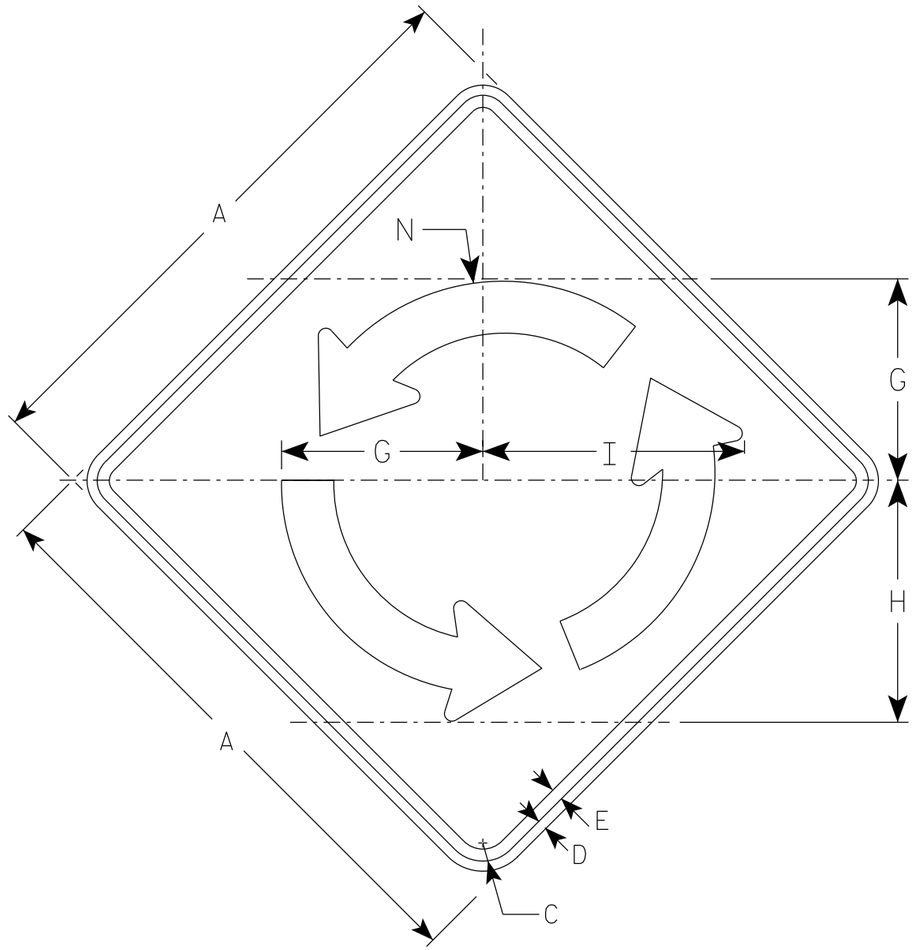
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 224 | E

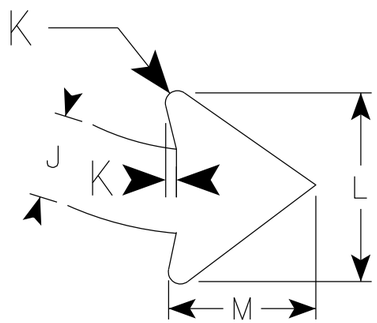


W2-6

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	Area sq. ft.
1																									
2S	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
2M	30		1 3/8	1/2	5/8		10 3/8	12 1/2	13 1/2	2 3/4	3/8	6	4 3/4	11 1/8											6.25
3	36		1 5/8	5/8	3/4		12 1/2	15	16 1/4	3 1/4	1/2	7 3/8	5 3/4	13 3/8											9.00
4	48		2 1/4	3/4	1		16 5/8	20	16 1/4	4 3/8	5/8	9 3/4	7 5/8	17 7/8											16.0
5																									

STANDARD SIGN
W2-6

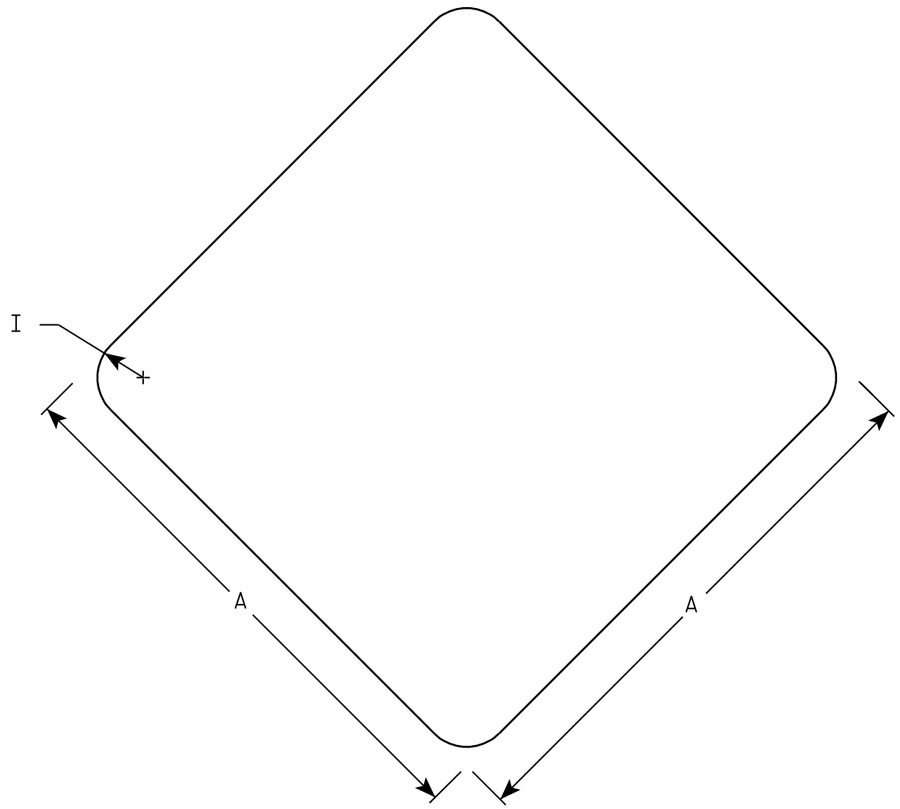
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/21 PLATE NO. W2-6.7

PROJECT NO:

SHEET NO: 225 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

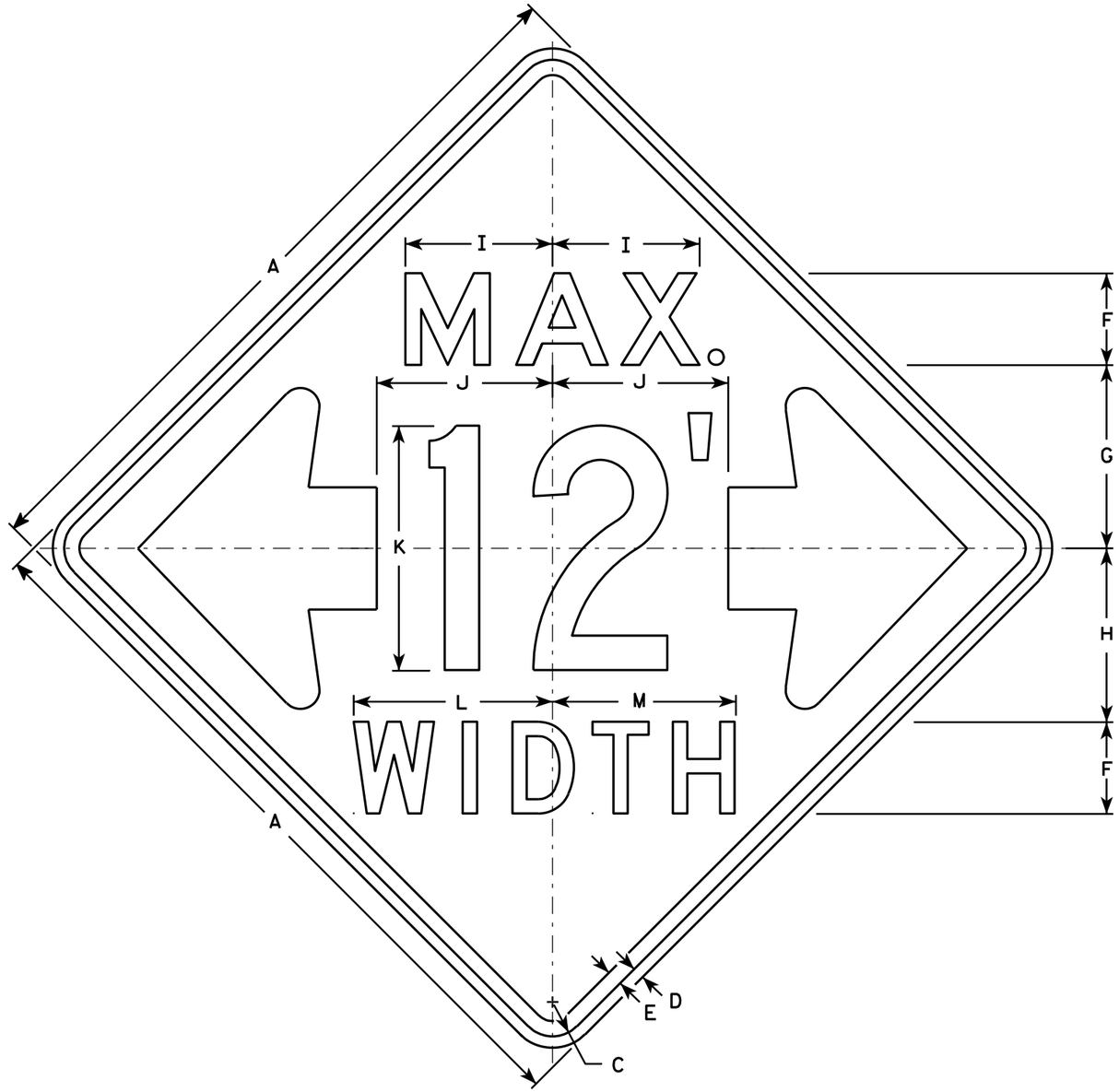
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

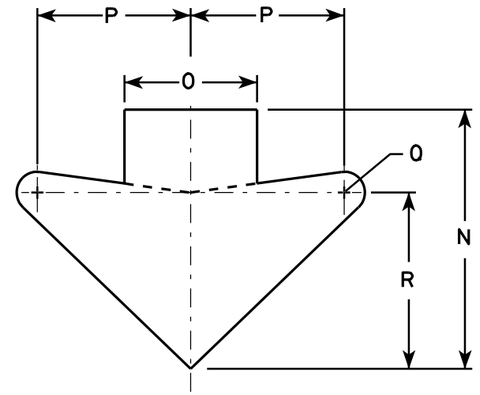
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 226 | E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. 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		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

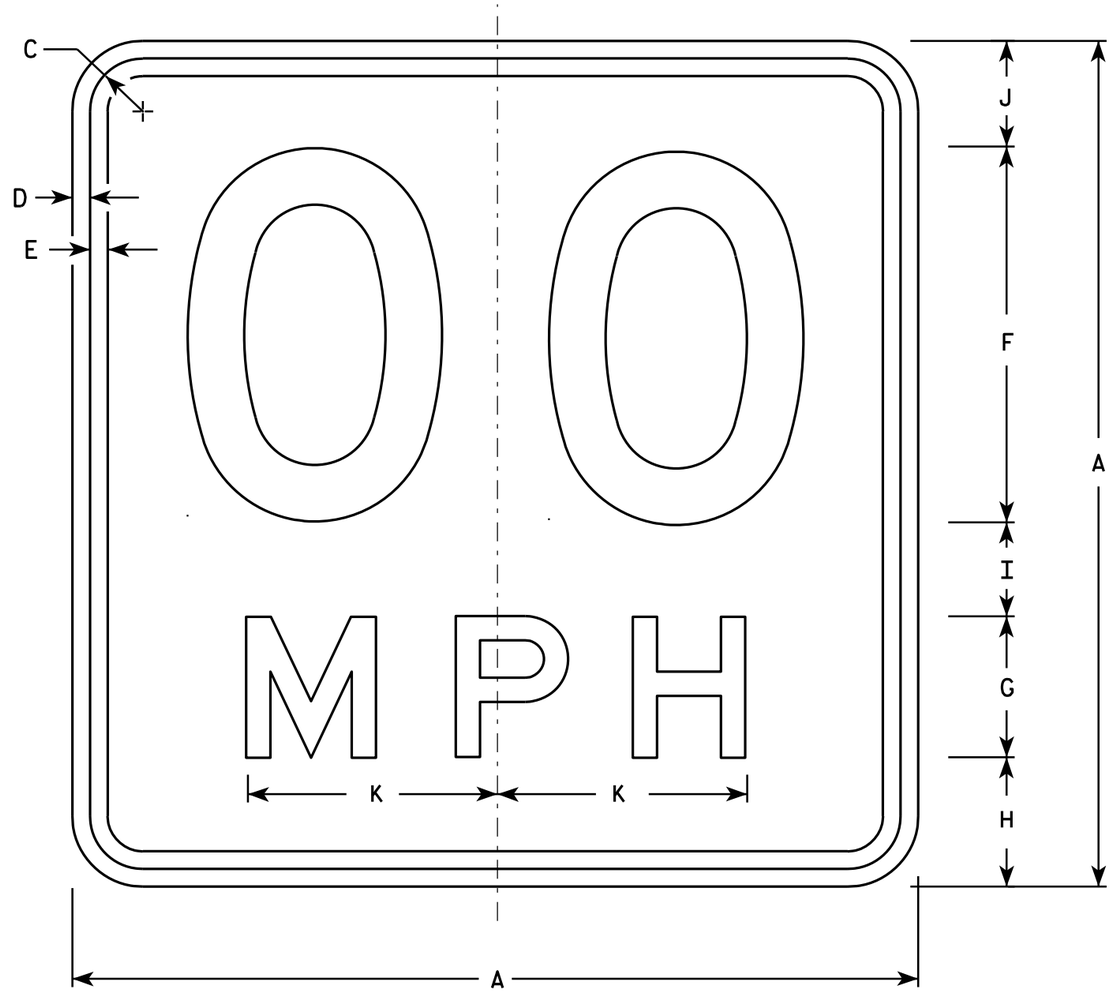
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 227 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
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 and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	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 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

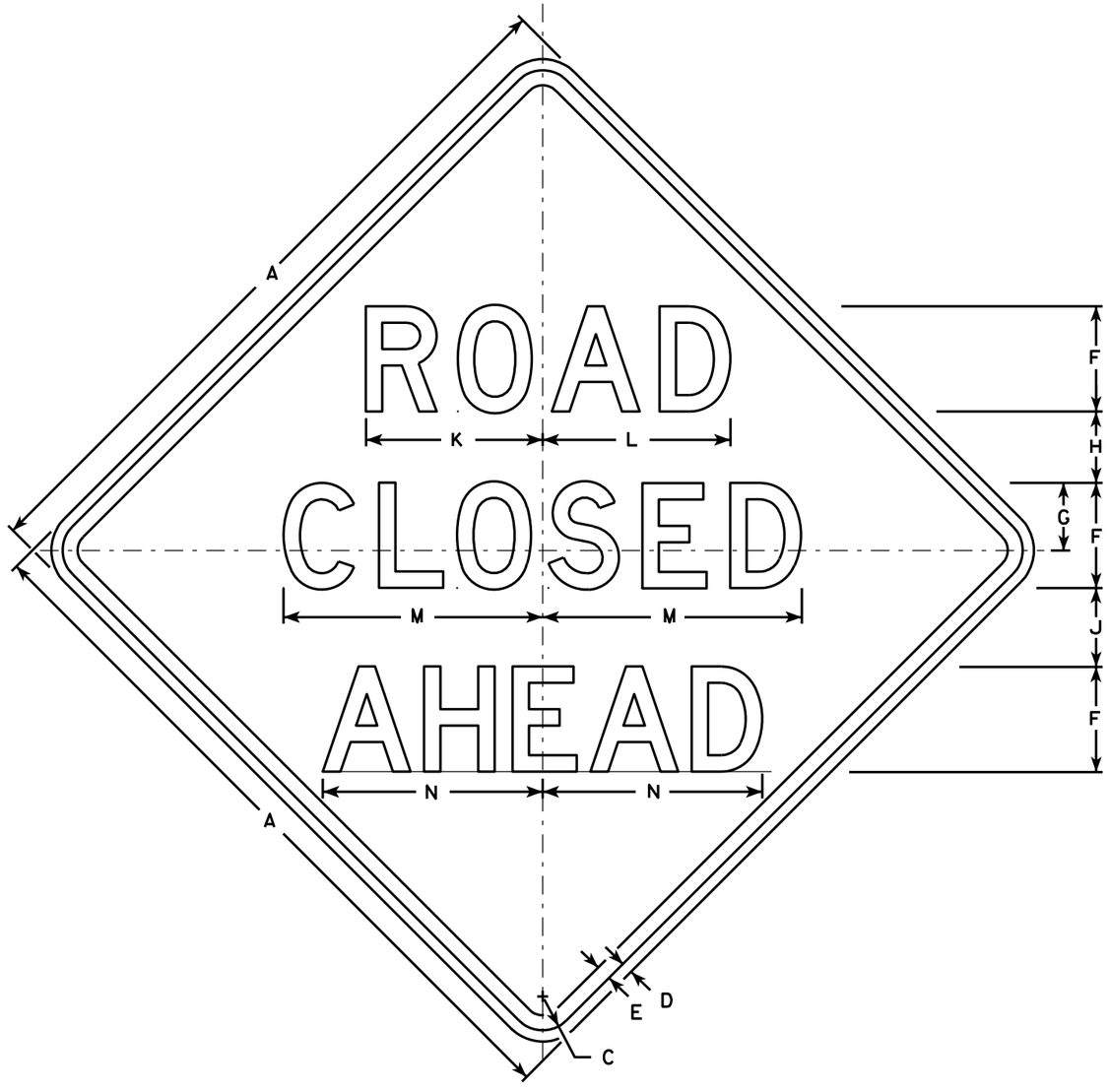
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

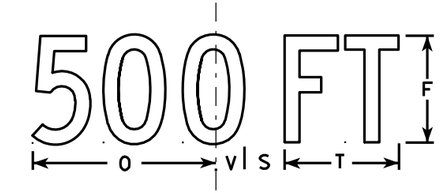
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

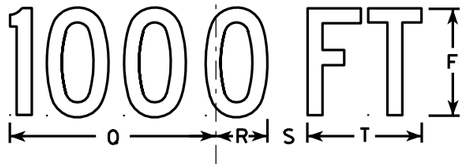
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 228 | E



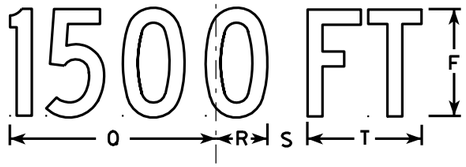
W20-3A



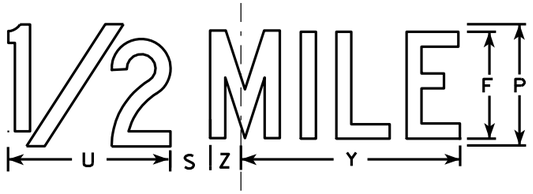
W20-3D



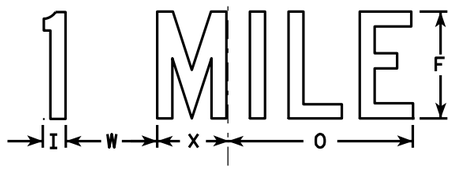
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

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		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

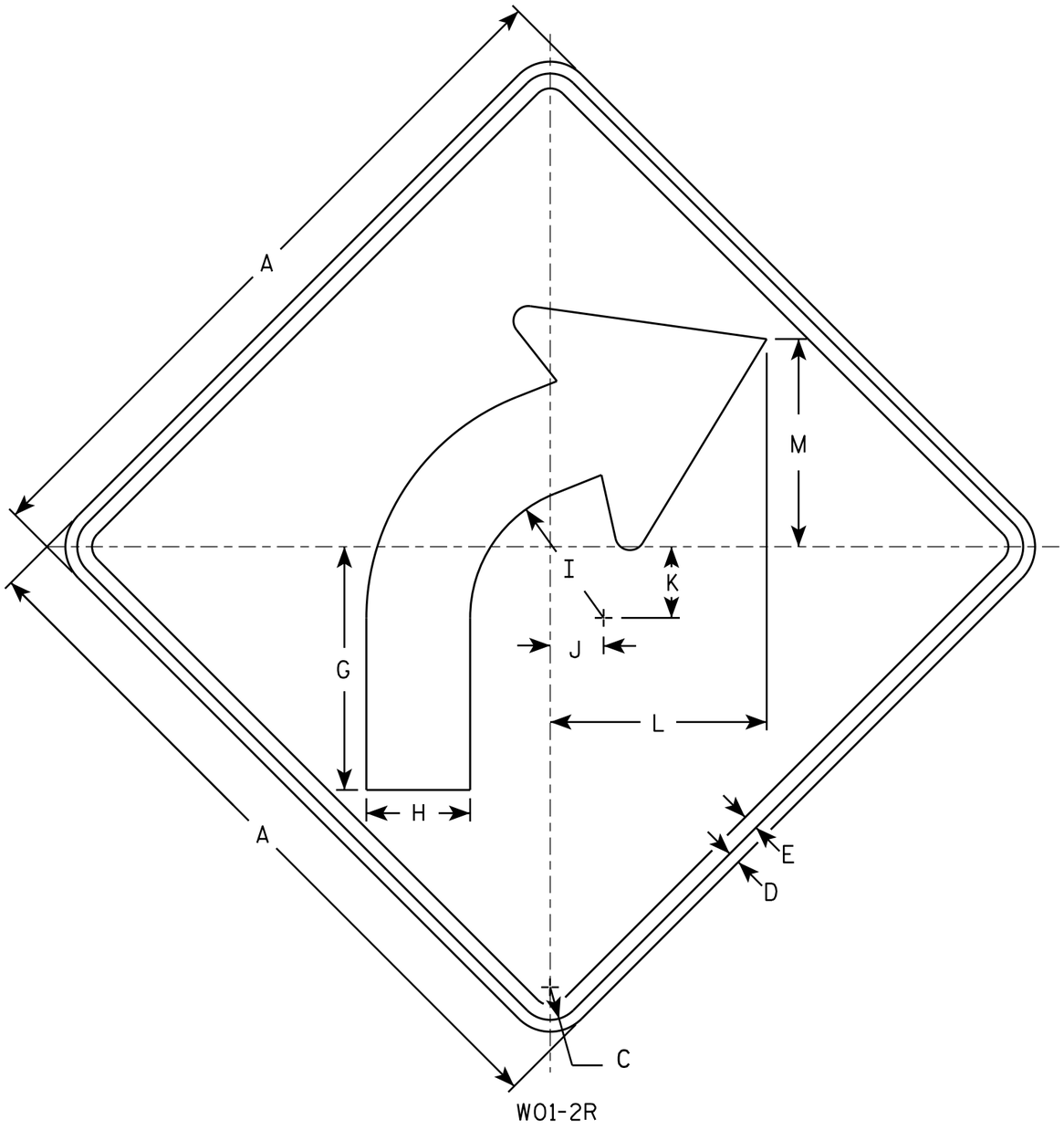
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 229 | E

7

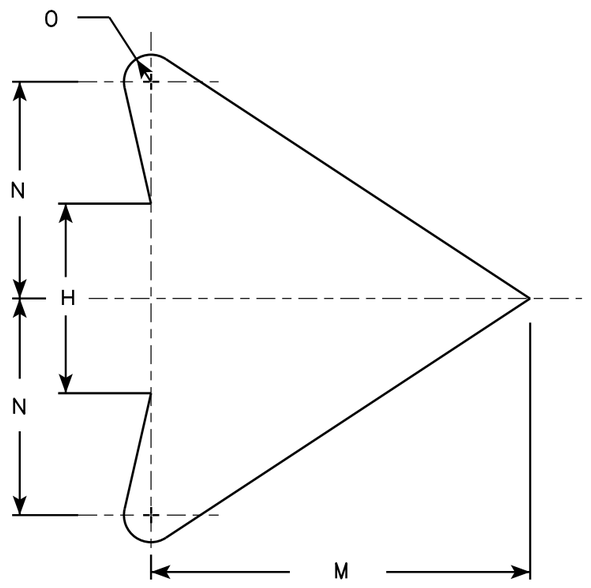
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



W01-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



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		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

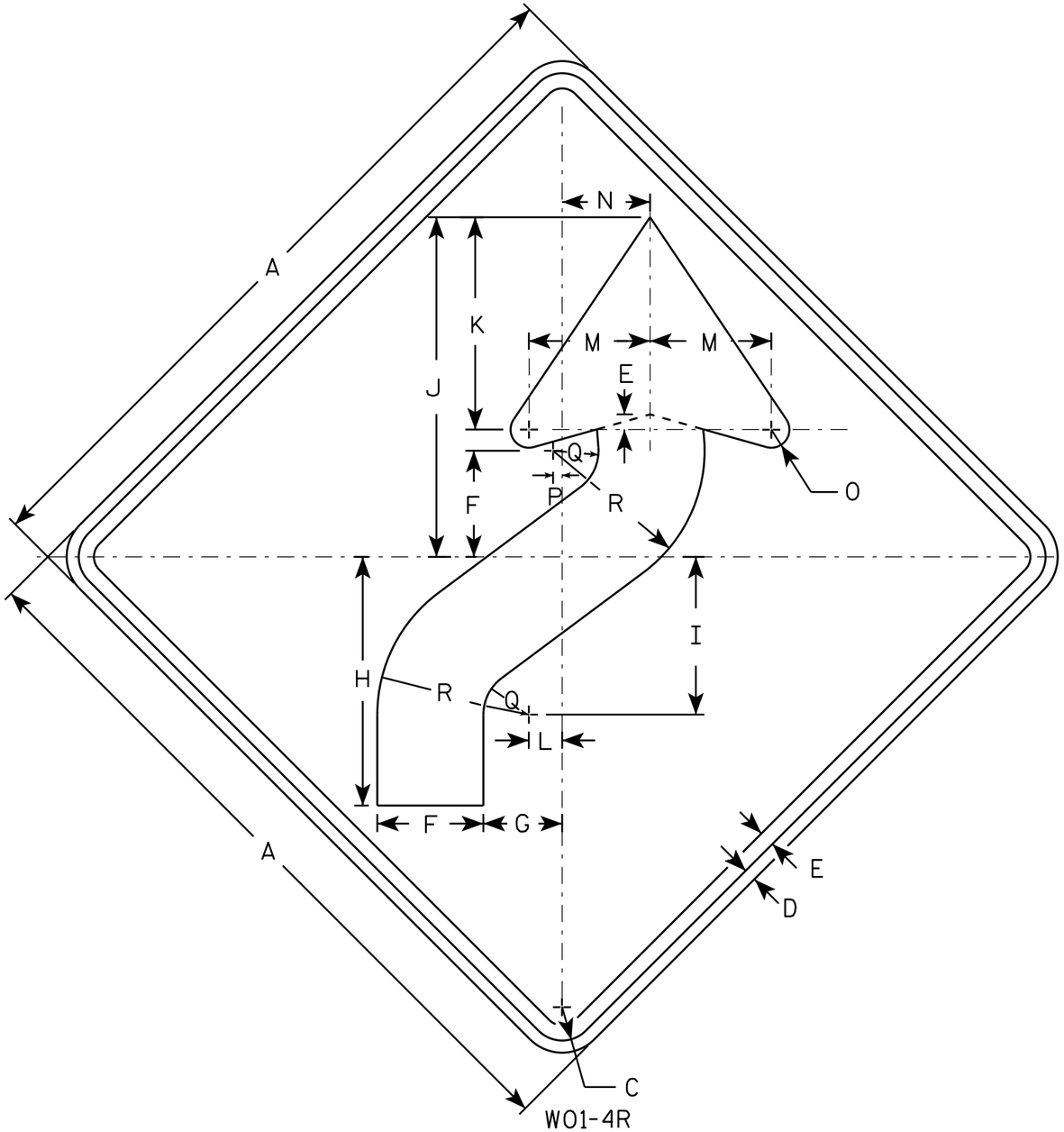
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000
WISDOT/CADDS SHEET 42



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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

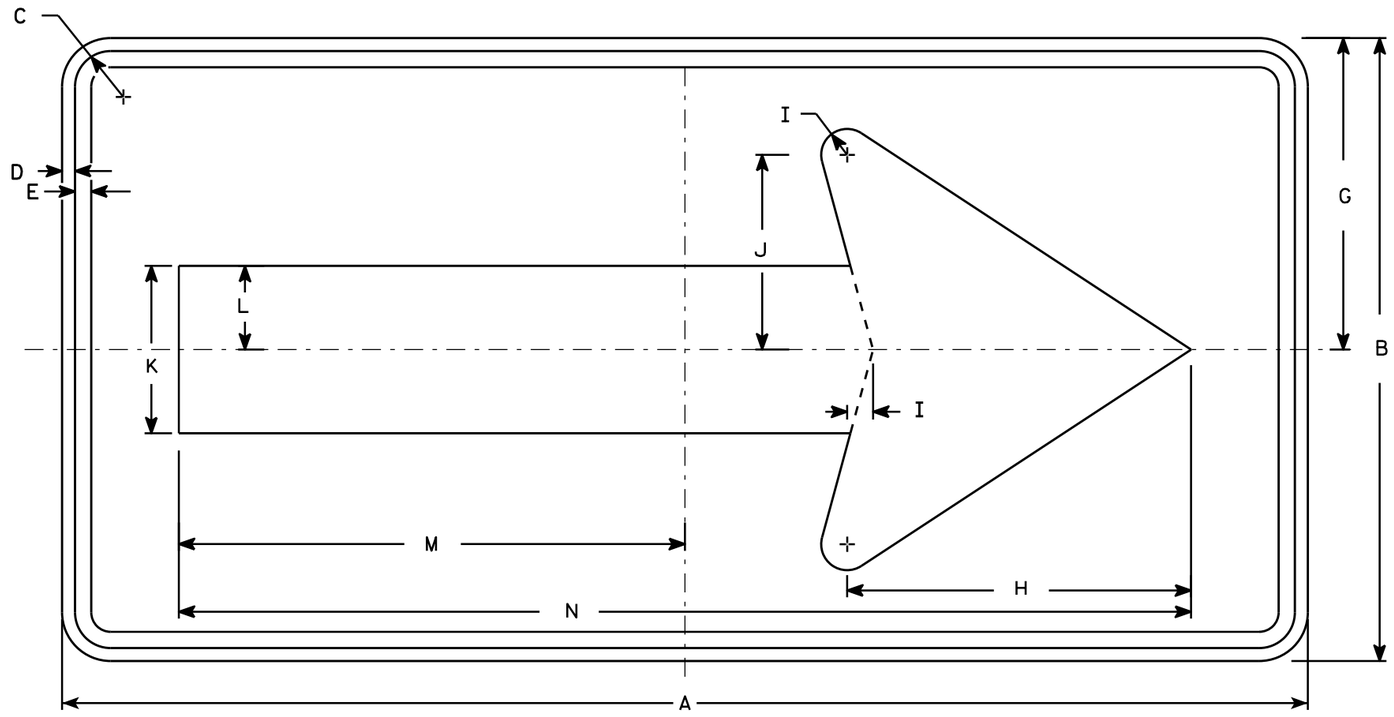
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	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 3/8	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 3/8	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 3/8	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 3/8	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
W01-6

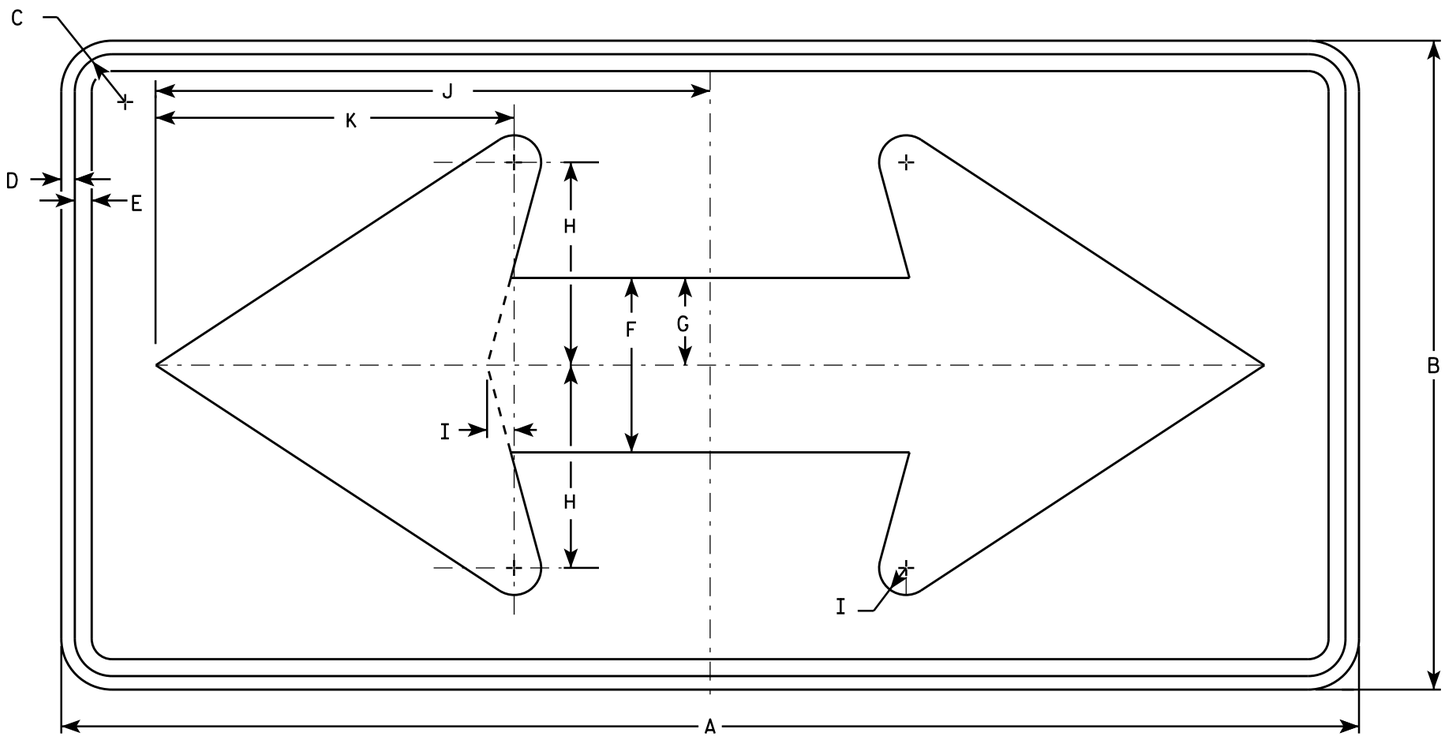
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

STANDARD SIGN
W01-7

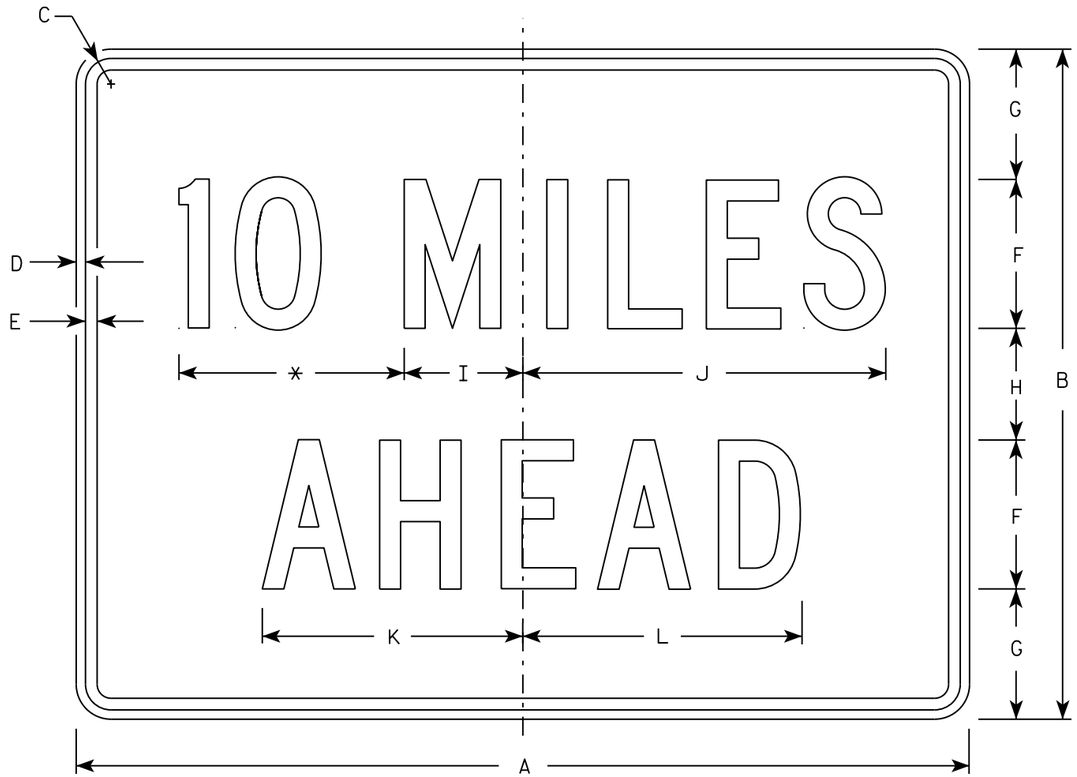
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

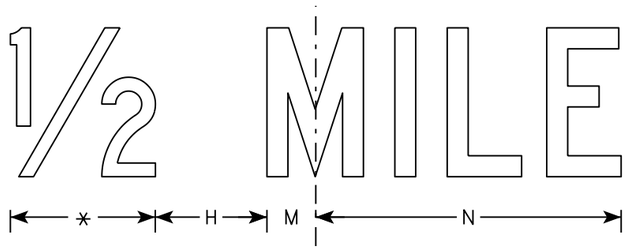
DATE 11/18/13 PLATE 1233 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000
WISDOT/CADDS SHEET 42



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 1/8	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	1 3/8	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	1 3/8	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	1 3/8	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	1 3/8	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	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

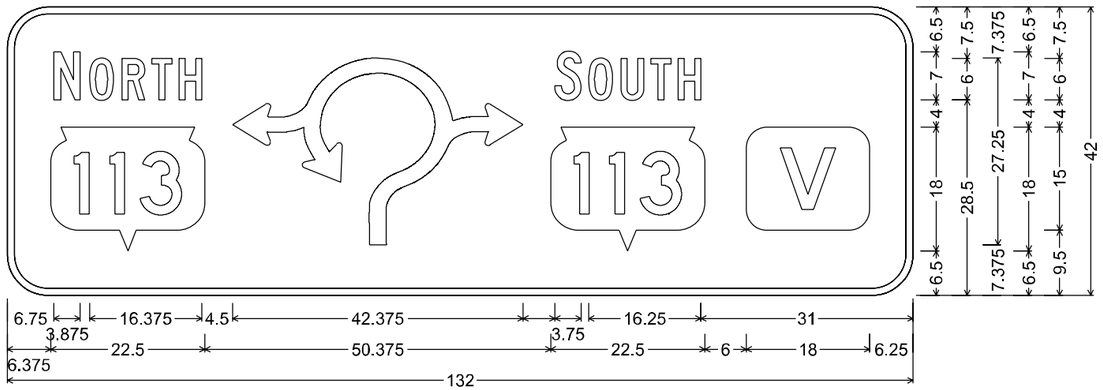
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

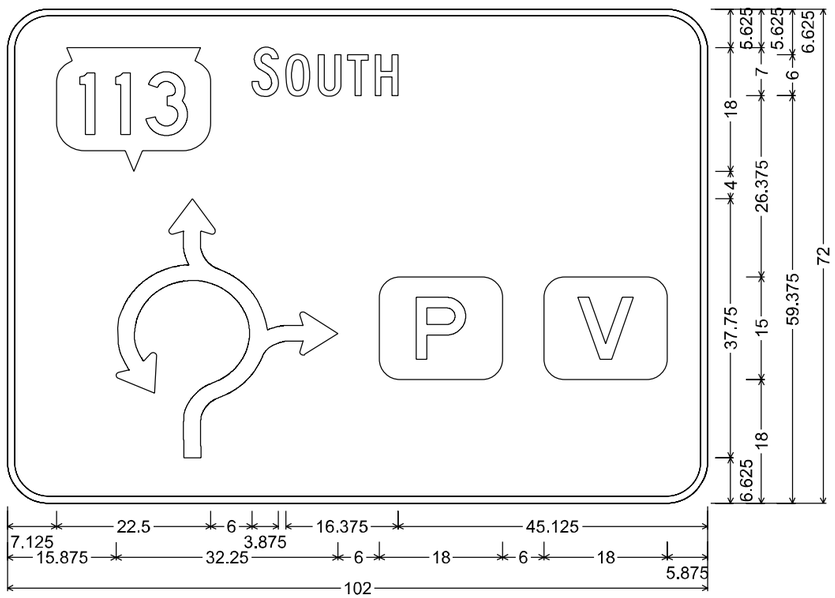
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

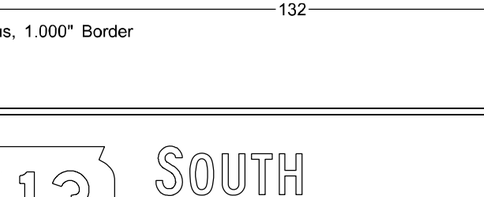
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 234	E



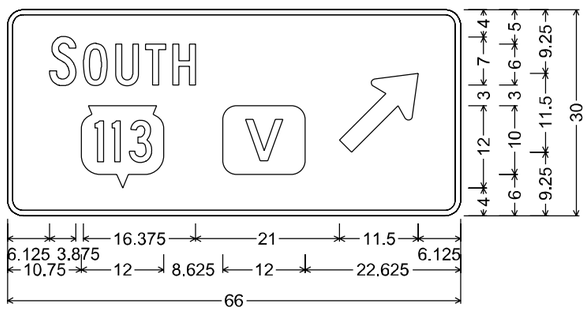
D1-62; 6.000" Radius, 1.000" Border



D1-62; 6.000" Radius, 1.000" Border



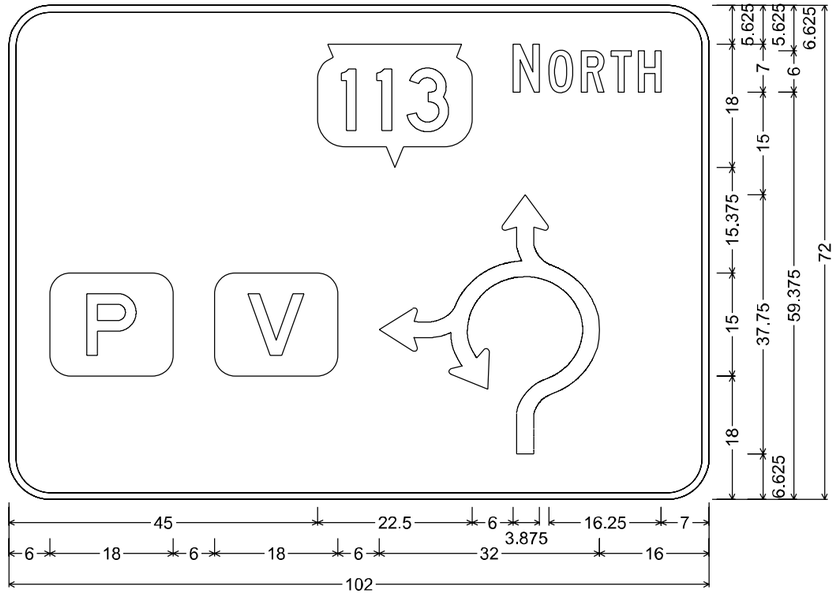
D1-1; 2.250" Radius, 0.750" Border



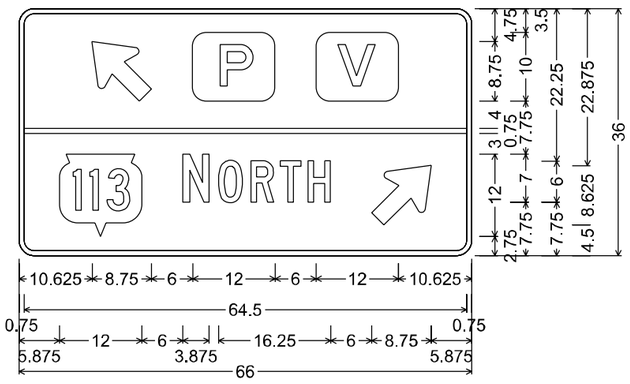
D1-1; 2.250" Radius, 0.750" Border

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



D1-62; 6.000" Radius, 1.000" Border



D1-2; 2.250" Radius, 0.750" Border

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	SIGN PLATES	SHEET NO: 235	E

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
8 - MASS ORDINATE	IF MARSH AND EBS TO BE BACKFILLED WITH GRANULAR: [CUT - SALVAGED PAVT - ((FILL - EXPANDED ROCK) * FILL FACTOR)]

STAGE 1 - EX NB STH 113

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
186+27.83	18627.83	0.00	7.02	0.00	0	0	0	0	0	0
186+50.00	18650.00	22.17	8.00	0.00	6	0	0	6	0	6
187+00.00	18700.00	50.00	9.93	0.00	17	0	0	23	0	23
187+50.00	18750.00	50.00	12.17	0.00	20	0	0	43	0	43
188+00.00	18800.00	50.00	12.10	0.00	22	0	0	65	0	65
188+50.00	18850.00	50.00	8.95	3.62	19	0	3	84	4	80
189+00.00	18900.00	50.00	9.28	5.42	17	0	8	101	14	87
189+50.00	18950.00	50.00	11.38	6.12	19	0	11	120	28	93
190+00.00	19000.00	50.00	11.17	9.31	21	0	14	141	45	96
190+50.00	19050.00	50.00	9.37	8.63	19	0	17	160	66	94
191+00.00	19100.00	50.00	9.40	8.79	17	0	16	177	86	91
191+50.00	19150.00	50.00	10.30	7.25	18	0	15	195	105	90
192+00.00	19200.00	50.00	10.53	8.47	19	0	15	214	124	90
192+50.00	19250.00	50.00	8.43	6.24	18	0	14	232	141	91
193+00.00	19300.00	50.00	7.44	6.44	15	0	12	247	156	91
193+50.00	19350.00	50.00	6.99	6.99	13	0	12	260	171	89
194+00.00	19400.00	50.00	7.40	7.81	13	0	14	273	189	84
194+50.00	19450.00	50.00	7.58	7.06	14	0	14	287	206	81
195+00.00	19500.00	50.00	7.24	5.23	14	0	11	301	220	81
195+50.00	19550.00	50.00	7.76	2.15	14	0	7	315	229	86
196+00.00	19600.00	50.00	10.09	1.23	17	0	3	332	233	100
196+50.00	19650.00	50.00	11.79	0.00	20	0	1	352	234	118
197+00.00	19700.00	50.00	13.92	0.00	24	0	0	376	234	142
197+50.00	19750.00	50.00	16.36	0.00	28	0	0	404	234	170
198+00.00	19800.00	50.00	12.87	0.00	27	0	0	431	234	197
198+50.00	19850.00	50.00	8.69	0.00	20	0	0	451	234	217
199+00.00	19900.00	50.00	7.27	2.50	15	0	2	466	236	230
199+50.00	19950.00	50.00	10.08	5.46	16	0	7	482	245	237
200+00.00	20000.00	50.00	9.11	10.34	18	0	15	500	264	236

CONTINUED ON NEXT PAGE

STAGE 1 - EX NB STH 113

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
200+50.00	20050.00	50.00	11.41	9.61	19	0	18	519	286	233
201+00.00	20100.00	50.00	14.31	9.11	24	0	17	543	308	236
201+50.00	20150.00	50.00	15.07	9.13	27	0	17	570	329	241
202+00.00	20200.00	50.00	10.96	6.72	24	0	15	594	348	247
202+50.00	20250.00	50.00	9.01	5.83	18	0	12	612	363	250
203+00.00	20300.00	50.00	9.21	3.83	17	0	9	629	374	255
203+50.00	20350.00	50.00	11.41	2.82	19	0	6	648	381	267
204+00.00	20400.00	50.00	10.63	0.98	20	0	4	668	386	282
204+50.00	20450.00	50.00	8.67	0.64	18	0	2	686	389	297
205+00.00	20500.00	50.00	8.81	0.00	16	0	1	702	390	312
205+50.00	20550.00	50.00	7.50	0.01	15	0	0	717	390	327
206+00.00	20600.00	50.00	7.83	0.00	14	0	0	731	390	341
206+50.00	20650.00	50.00	10.89	0.00	17	0	0	748	390	358
207+00.00	20700.00	50.00	11.16	0.00	20	0	0	768	390	378
207+37.91	20737.91	37.91	0.38	0.01	8	0	0	776	390	386

STAGE 2 - NB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
196+80.75	19680.75	0.00	33.79	0.05	0	0	0	0	0	0
197+00.00	19700.00	19.25	48.72	0.00	29	0	0	29	0	29
197+50.00	19750.00	50.00	32.77	0.01	75	0	0	104	0	104
197+57.74	19757.74	7.74	31.36	0.01	9	0	0	113	0	113

STAGE 2 - NB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
199+68.31	19968.31	0.00	0.00	23.29	0	0	0	0	0	0
199+87.13	19987.13	18.82	4.68	34.76	2	0	20	2	25	-23
200+00.00	20000.00	12.87	2.53	24.67	2	0	14	4	43	-39
200+29.80	20029.80	29.80	0.47	2.59	2	0	15	6	61	-55

STAGE 2 - SB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
194+86.94	19486.94	0.00	56.13	0.00	0	0	0	0	0	0
195+00.00	19500.00	13.06	68.16	0.00	30	0	0	30	0	30
195+50.00	19550.00	50.00	79.69	0.00	137	0	0	167	0	167
196+00.00	19600.00	50.00	79.82	0.00	148	0	0	315	0	315
196+50.00	19650.00	50.00	65.63	0.00	135	0	0	450	0	450
197+00.00	19700.00	50.00	34.76	3.69	93	0	3	543	4	539
197+50.00	19750.00	50.00	30.65	20.67	61	0	23	604	33	572
197+78.46	19778.46	28.46	53.49	0.82	44	0	11	648	46	602

STAGE 2 - SB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
201+00.00	20100.00	0.00	374.43	56.80	0	0	0	0	0	0
201+50.00	20150.00	50.00	272.87	10.63	599	0	62	599	78	522
202+00.00	20200.00	50.00	200.90	0.00	439	0	10	1,038	90	948
202+50.00	20250.00	50.00	175.28	0.00	348	0	0	1,386	90	1,296
203+00.00	20300.00	50.00	148.66	0.00	300	0	0	1,686	90	1,596
203+28.62	20328.62	28.62	148.43	0.05	157	0	0	1,843	90	1,753
203+29.00	20329.00	0.38	90.92	0.00	2	0	0	1,845	90	1,755
203+50.00	20350.00	21.00	65.05	0.00	61	0	0	1,906	90	1,816
204+00.00	20400.00	50.00	27.59	0.00	86	0	0	1,992	90	1,902
204+50.00	20450.00	50.00	24.82	0.00	49	0	0	2,041	90	1,951
205+00.00	20500.00	50.00	21.45	0.00	43	0	0	2,084	90	1,994
205+50.00	20550.00	50.00	23.47	0.00	42	0	0	2,126	90	2,036
206+00.00	20600.00	50.00	30.09	0.00	50	0	0	2,176	90	2,086
206+50.00	20650.00	50.00	44.16	0.00	69	0	0	2,245	90	2,155
207+00.00	20700.00	50.00	41.95	0.00	80	0	0	2,325	90	2,235
207+50.00	20750.00	50.00	39.39	0.00	75	0	0	2,400	90	2,310
208+00.00	20800.00	50.00	33.22	0.00	67	0	0	2,467	90	2,377
208+50.00	20850.00	50.00	29.09	0.00	58	0	0	2,525	90	2,435
209+00.00	20900.00	50.00	22.88	0.00	48	0	0	2,573	90	2,483
209+50.00	20950.00	50.00	23.88	0.00	43	0	0	2,616	90	2,526
210+00.00	21000.00	50.00	32.46	0.00	52	0	0	2,668	90	2,578
210+50.00	21050.00	50.00	38.67	0.00	66	0	0	2,734	90	2,644
211+00.00	21100.00	50.00	47.99	0.00	80	0	0	2,814	90	2,724
211+50.00	21150.00	50.00	55.59	0.00	96	0	0	2,910	90	2,820
212+00.00	21200.00	50.00	74.94	0.00	121	0	0	3,031	90	2,941
212+50.00	21250.00	50.00	90.25	0.00	153	0	0	3,184	90	3,094
213+00.00	21300.00	50.00	104.36	0.00	180	0	0	3,364	90	3,274
213+50.00	21350.00	50.00	95.18	0.00	185	0	0	3,549	90	3,459
213+81.58	21381.58	31.58	146.03	0.00	141	0	0	3,690	90	3,600
214+00.00	21400.00	18.42	79.07	0.00	77	0	0	3,767	90	3,677
214+15.58	21415.58	15.58	73.05	0.00	44	0	0	3,811	90	3,721
214+50.00	21450.00	34.42	53.86	0.00	81	0	0	3,892	90	3,802
215+00.00	21500.00	50.00	23.42	0.22	72	0	0	3,964	90	3,874
215+48.27	21548.27	48.27	10.00	6.38	30	0	6	3,994	98	3,897

STAGE 2 - NB CTH P

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
104+56.09	10456.09	0.00	21.31	30.10	0	0	0	0	0	0
105+00.00	10500.00	43.91	22.92	39.77	36	0	57	36	71	-35
105+50.00	10550.00	50.00	44.96	22.60	63	0	58	99	144	-45
106+00.00	10600.00	50.00	245.96	0.00	269	0	21	368	170	198
106+50.00	10650.00	50.00	378.29	0.00	578	0	0	946	170	776
107+00.00	10700.00	50.00	423.45	0.00	742	0	0	1,688	170	1,518
107+50.00	10750.00	50.00	784.66	0.00	1,119	0	0	2,807	170	2,637
108+00.00	10800.00	50.00	819.97	0.00	1,486	0	0	4,293	170	4,123
108+50.00	10850.00	50.00	752.54	0.00	1,456	0	0	5,749	170	5,579
108+81.79	10881.79	31.79	132.02	55.63	521	0	33	6,270	211	6,059

STAGE 2 - SB CTH P

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
104+57.19	10457.19	0.00	55.15	80.82	0	0	0	0	0	0
105+00.00	10500.00	42.81	43.62	24.39	78	0	83	78	104	-26
105+50.00	10550.00	50.00	54.94	9.43	91	0	31	169	143	27
106+00.00	10600.00	50.00	134.27	0.00	175	0	9	344	154	190
106+50.00	10650.00	50.00	188.90	0.20	299	0	0	643	154	489
107+00.00	10700.00	50.00	286.97	0.00	441	0	0	1,084	154	930
107+50.00	10750.00	50.00	688.27	0.04	903	0	0	1,987	154	1,833
108+00.00	10800.00	50.00	923.69	0.00	1,493	0	0	3,480	154	3,326
108+50.00	10850.00	50.00	896.95	0.00	1,686	0	0	5,166	154	5,012
109+00.00	10900.00	50.00	1109.65	0.00	1,858	0	0	7,024	154	6,870
109+10.95	10910.95	10.95	1108.35	0.00	450	0	0	7,474	154	7,320

STAGE 2 - ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+00.00	1000.00	0.00	0.00	173.77	0	0	0	0	0	0
10+11.00	1011.00	11.00	0.00	184.22	0	0	73	0	91	-91
10+25.00	1025.00	14.00	0.00	173.37	0	0	93	0	208	-208
10+50.00	1050.00	25.00	0.00	175.01	0	0	161	0	409	-409
10+75.00	1075.00	25.00	0.00	165.68	0	0	158	0	606	-606
10+88.01	1088.01	13.01	0.81	154.90	0	0	77	0	703	-703
11+00.00	1100.00	11.99	9.63	125.03	2	0	62	2	780	-778
11+25.00	1125.00	25.00	52.51	69.37	29	0	90	31	893	-862
11+35.94	1135.94	10.94	37.48	72.88	18	0	29	49	929	-880
13+01.92	1301.92	0.00	92.70	121.58	0	0	0	49	929	-880
13+15.86	1315.86	13.94	48.28	124.72	36	0	64	85	1,009	-924
13+25.00	1325.00	9.14	14.58	130.13	11	0	43	96	1,063	-967
13+45.57	1345.57	20.57	0.00	173.77	6	0	116	102	1,208	-1,106

STAGE 3A - NB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
197+57.76	19757.76	0.00	25.98	0.00	0	0	0	0	0	0
198+00.00	19800.00	42.24	35.61	0.00	48	0	0	48	0	48
198+05.53	19805.53	5.53	36.06	0.00	7	0	0	55	0	55
198+50.60	19850.60	45.07	0.00	21.21	30	0	18	85	23	63

STAGE 3A - SB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
197+78.46	19778.46	0.00	2.73	0.00	0	0	0	0	0	0
198+00.00	19800.00	21.54	89.23	8.76	37	0	3	37	4	33
198+63.60	19863.60	63.60	185.02	1.67	323	0	12	360	19	341

STAGE 3A - SB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
200+13.02	20013.02	0.00	489.90	104.37	0	0	0	0	0	0
200+50.00	20050.00	36.98	434.28	94.83	633	0	136	633	170	463
201+00.00	20100.00	50.00	374.43	56.80	749	0	140	1,382	345	1,037

STAGE 3A - CTH P

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
100+00.00	10000.00	0.00	85.94	0.00	0	0	0	0	0	0
100+50.00	10050.00	50.00	97.38	2.61	170	0	2	170	3	168
101+00.00	10100.00	50.00	92.43	3.24	176	0	5	346	9	337
101+50.00	10150.00	50.00	88.66	6.24	168	0	9	514	20	494
102+00.00	10200.00	50.00	73.02	8.39	150	0	14	664	38	627
102+50.00	10250.00	50.00	73.67	1.23	136	0	9	800	49	751
103+00.00	10300.00	50.00	106.76	0.71	167	0	2	967	51	916
103+50.00	10350.00	50.00	116.88	0.00	207	0	1	1,174	53	1,122
103+57.78	10357.78	7.78	110.28	0.05	33	0	0	1,207	53	1,155
104+00.00	10400.00	42.22	224.83	19.47	262	0	15	1,469	71	1,398
104+50.00	10450.00	50.00	297.36	100.58	484	0	111	1,953	210	1,743
104+56.09	10456.09	6.09	285.80	0.00	66	0	11	2,019	224	1,795
105+00.00	10500.00	43.91	343.65	0.00	512	0	0	2,531	224	2,307
105+50.00	10550.00	50.00	540.34	0.00	819	0	0	3,350	224	3,126
106+00.00	10600.00	50.00	715.31	0.00	1,163	0	0	4,513	224	4,289
106+50.00	10650.00	50.00	835.14	0.00	1,436	0	0	5,949	224	5,725
107+00.00	10700.00	50.00	920.21	0.00	1,625	0	0	7,574	224	7,350
107+50.00	10750.00	50.00	876.62	0.00	1,664	0	0	9,238	224	9,014
107+70.41	10770.41	20.41	796.84	0.04	633	0	0	9,871	224	9,647
107+97.13	10797.13	26.72	0.00	0.00	394	0	0	10,265	224	10,041

STAGE 3A - CTH V

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
300+00.00	30000.00	0.00	97.73	1.57	0	0	0	0	0	0
300+50.00	30050.00	50.00	152.90	8.59	232	0	9	232	11	221
301+04.57	30104.57	54.57	440.00	51.46	599	0	61	831	88	744
301+12.70	30112.70	8.13	516.30	93.25	144	0	22	975	115	860
301+44.84	30144.84	32.14	101.10	275.20	367	0	219	1,342	389	953

STAGE 3A - ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
11+33.20	1133.20	0.00	51.49	70.91	0	0	0	0	0	0
11+50.00	1150.00	16.80	0.00	286.42	16	0	111	16	139	-123
11+66.23	1166.23	16.23	701.38	222.21	211	0	153	227	330	-103
11+75.00	1175.00	8.77	862.15	219.74	254	0	72	481	420	61
11+78.18	1178.18	3.18	907.73	219.13	104	0	26	585	453	133
12+00.00	1200.00	21.82	263.02	213.12	473	0	175	1,058	671	387
12+25.00	1225.00	25.00	169.93	202.27	200	0	192	1,258	911	347
12+50.00	1250.00	25.00	97.11	228.02	124	0	199	1,382	1,160	222
12+75.00	1275.00	25.00	0.00	440.47	45	0	309	1,427	1,546	-119
12+84.71	1284.71	9.71	29.53	334.03	5	0	139	1,432	1,720	-288
13+00.00	1300.00	15.29	102.37	121.82	37	0	129	1,469	1,881	-412
13+15.86	1315.86	15.86	48.28	124.72	44	0	72	1,513	1,971	-458

STAGE 3A - SOUTH SPECIAL DITCH

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
8+91.04	891.04	0.00	716.51	0.00	0	0	0	0	0	0
9+25.00	925.00	33.96	599.66	0.00	828	0	0	828	0	828
9+50.00	950.00	25.00	293.54	0.00	414	0	0	1,242	0	1,242
9+80.00	980.00	30.00	17.47	0.07	173	0	0	1,415	0	1,415

STAGE 3B - NB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
194+33.37	19433.37	0.00	41.03	0.00	0	0	0	0	0	0
194+50.00	19450.00	16.63	46.03	0.00	27	0	0	27	0	27
194+77.51	19477.51	27.51	97.33	0.00	73	0	0	100	0	100
195+00.00	19500.00	22.49	93.28	0.00	79	0	0	179	0	179
195+50.00	19550.00	50.00	82.56	0.00	163	0	0	342	0	342
196+00.00	19600.00	50.00	70.29	0.00	142	0	0	484	0	484
196+50.00	19650.00	50.00	56.93	3.47	118	0	3	602	4	598
196+80.75	19680.75	30.75	17.83	0.00	43	0	2	645	6	639

STAGE 3B - NB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
200+29.80	20029.80	0.00	0.00	17.02	0	0	0	0	0	0
200+50.00	20050.00	20.20	1.50	79.70	1	0	36	1	45	-44
201+00.00	20100.00	50.00	22.72	20.21	22	0	93	23	161	-138
201+50.00	20150.00	50.00	46.67	4.27	64	0	23	87	190	-103
202+00.00	20200.00	50.00	65.97	0.00	104	0	4	191	195	-4
202+50.00	20250.00	50.00	70.59	0.00	126	0	0	317	195	122
203+00.00	20300.00	50.00	41.85	0.00	104	0	0	421	195	226
203+21.13	20321.13	21.13	18.65	0.00	24	0	0	445	195	250

STAGE 3C - NB STH 113 SOUTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
194+33.37	19433.37	0.00	18.42	0.00	0	0	0	0	0	0
194+50.00	19450.00	16.63	35.47	0.00	17	0	0	17	0	17
195+00.00	19500.00	50.00	21.34	0.00	53	0	0	70	0	70
195+50.00	19550.00	50.00	7.29	0.00	27	0	0	97	0	97
196+00.00	19600.00	50.00	3.48	2.35	10	0	2	107	3	105
196+50.00	19650.00	50.00	6.55	1.12	9	0	3	116	6	110
196+58.92	19658.92	8.92	0.00	0.00	1	0	0	117	6	111

STAGE 3C - NB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
201+81.76	20181.76	0.00	26.96	2.92	0	0	0	0	0	0
202+00.00	20200.00	18.24	26.54	0.64	18	0	1	18	1	17
202+50.00	20250.00	50.00	32.66	0.42	55	0	1	73	3	71
203+00.00	20300.00	50.00	41.28	0.37	68	0	1	141	4	137
203+21.13	20321.13	21.13	12.25	0.75	21	0	0	162	4	158
203+50.00	20350.00	28.87	7.39	0.21	11	0	1	173	5	168
204+00.00	20400.00	50.00	6.96	0.01	13	0	0	186	5	181
204+50.00	20450.00	50.00	3.54	2.58	10	0	2	196	8	189
205+00.00	20500.00	50.00	3.30	3.36	6	0	5	202	14	188
205+50.00	20550.00	50.00	3.22	2.24	6	0	5	208	20	188
206+00.00	20600.00	50.00	2.11	4.62	5	0	6	213	28	186
206+50.00	20650.00	50.00	1.73	6.53	4	0	10	217	40	177
207+00.00	20700.00	50.00	1.14	8.23	3	0	14	220	58	163
207+50.00	20750.00	50.00	0.74	7.09	2	0	14	222	75	147
207+69.59	20769.59	19.59	0.66	3.77	1	0	4	223	80	143

STAGE 4 - NB STH 113 SOUTH LEG

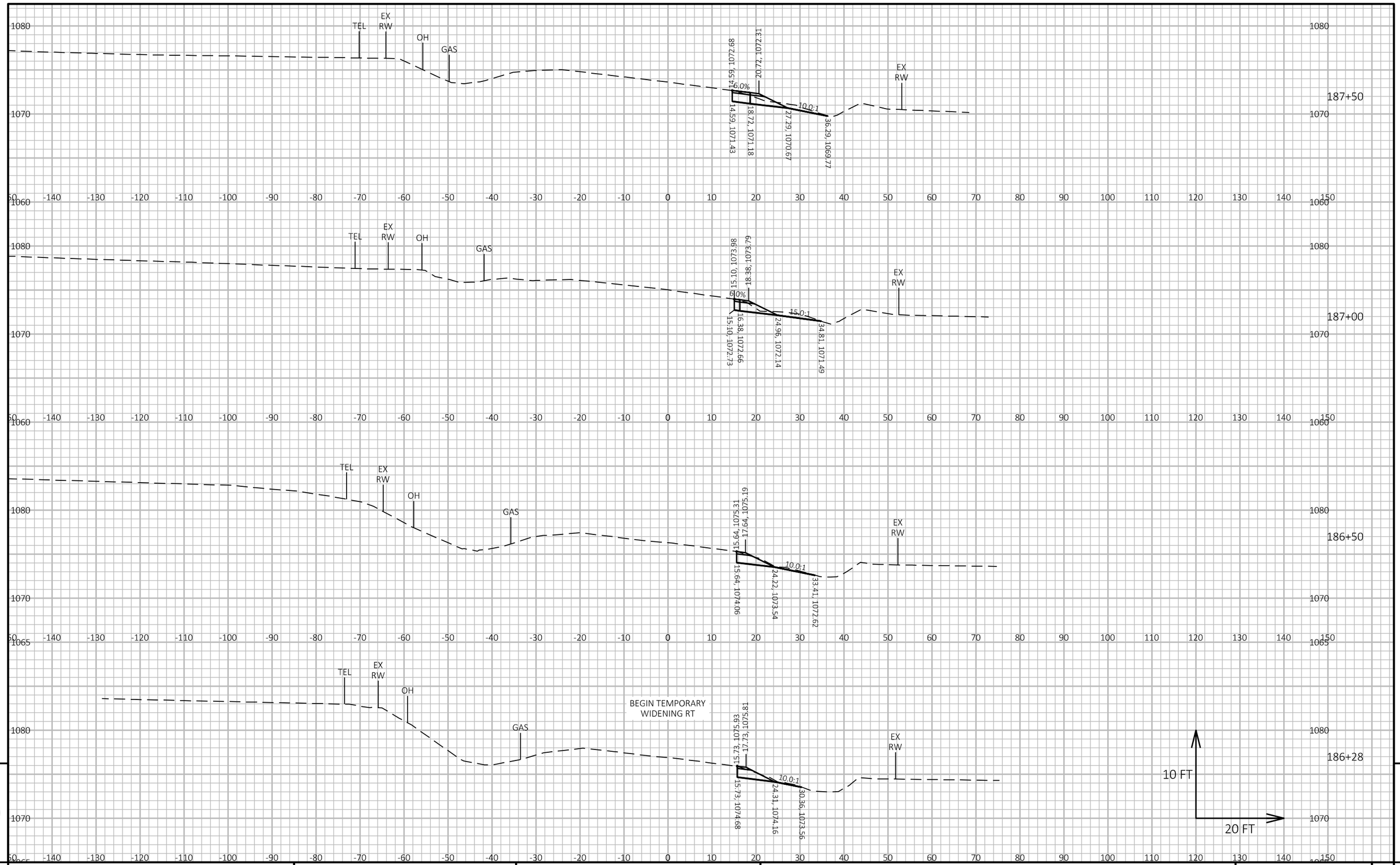
STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
186+27.77	18627.77	0.00	0.66	9.86	0	0	0	0	0	0
186+50.00	18650.00	22.23	0.66	10.09	1	0	8	1	10	-9
187+00.00	18700.00	50.00	0.99	7.16	2	0	16	3	30	-27
187+50.00	18750.00	50.00	1.70	4.52	2	0	11	5	44	-39
188+00.00	18800.00	50.00	2.70	0.14	4	0	4	9	49	-40
188+50.00	18850.00	50.00	6.85	0.00	9	0	0	18	49	-31
189+00.00	18900.00	50.00	10.62	0.00	16	0	0	34	49	-15
189+50.00	18950.00	50.00	13.44	0.00	22	0	0	56	49	7
190+00.00	19000.00	50.00	17.29	0.00	28	0	0	84	49	35
190+50.00	19050.00	50.00	17.85	0.00	33	0	0	117	49	68
191+00.00	19100.00	50.00	19.15	0.00	34	0	0	151	49	102
191+50.00	19150.00	50.00	16.72	0.00	33	0	0	184	49	135
192+00.00	19200.00	50.00	17.80	0.00	32	0	0	216	49	167
192+50.00	19250.00	50.00	16.32	0.00	32	0	0	248	49	199
193+00.00	19300.00	50.00	16.73	0.00	31	0	0	279	49	230
193+50.00	19350.00	50.00	17.03	0.00	31	0	0	310	49	261
194+00.00	19400.00	50.00	15.97	0.00	31	0	0	341	49	292
194+33.37	19433.37	33.37	16.09	0.00	20	0	0	361	49	312

STAGE 4 - NB STH 113 NORTH LEG

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
196+58.92	19658.92	0.00	8.73	0.37	0	0	0	0	0	0
197+00.00	19700.00	41.08	27.84	17.68	28	0	14	28	18	11
197+50.00	19750.00	50.00	37.60	50.71	61	0	63	89	96	-7
198+00.00	19800.00	50.00	35.45	87.76	68	0	128	157	256	-99
198+50.60	19850.60	50.60	29.51	113.53	61	0	189	218	493	-275
199+68.31	19968.31	0.00	19.66	104.96	0	0	0	218	493	-275
200+00.00	20000.00	31.69	16.67	104.28	21	0	123	239	646	-407
200+50.00	20050.00	50.00	13.95	13.36	28	0	109	267	783	-516
201+00.00	20100.00	50.00	30.61	2.06	41	0	14	308	800	-492
201+50.00	20150.00	50.00	26.20	3.63	53	0	5	361	806	-445
201+78.02	20178.02	28.02	23.69	3.01	26	0	3	387	810	-423

STAGE 4 - ROUNDABOUT

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
								1.00	1.25	
					NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
10+11.22	1011.22	0.00	0.00	0.00	0	0	0	0	0	0
10+25.00	1025.00	13.78	0.00	122.95	0	0	31	0	39	-39
10+31.10	1031.10	6.10	31.62	106.77	4	0	26	4	71	-67
10+50.00	1050.00	18.90	27.74	83.97	21	0	67	25	155	-130
10+75.00	1075.00	25.00	10.82	95.56	18	0	83	43	259	-216
10+87.68	1087.68	12.68	0.00	1.66	3	0	23	46	288	-242



9

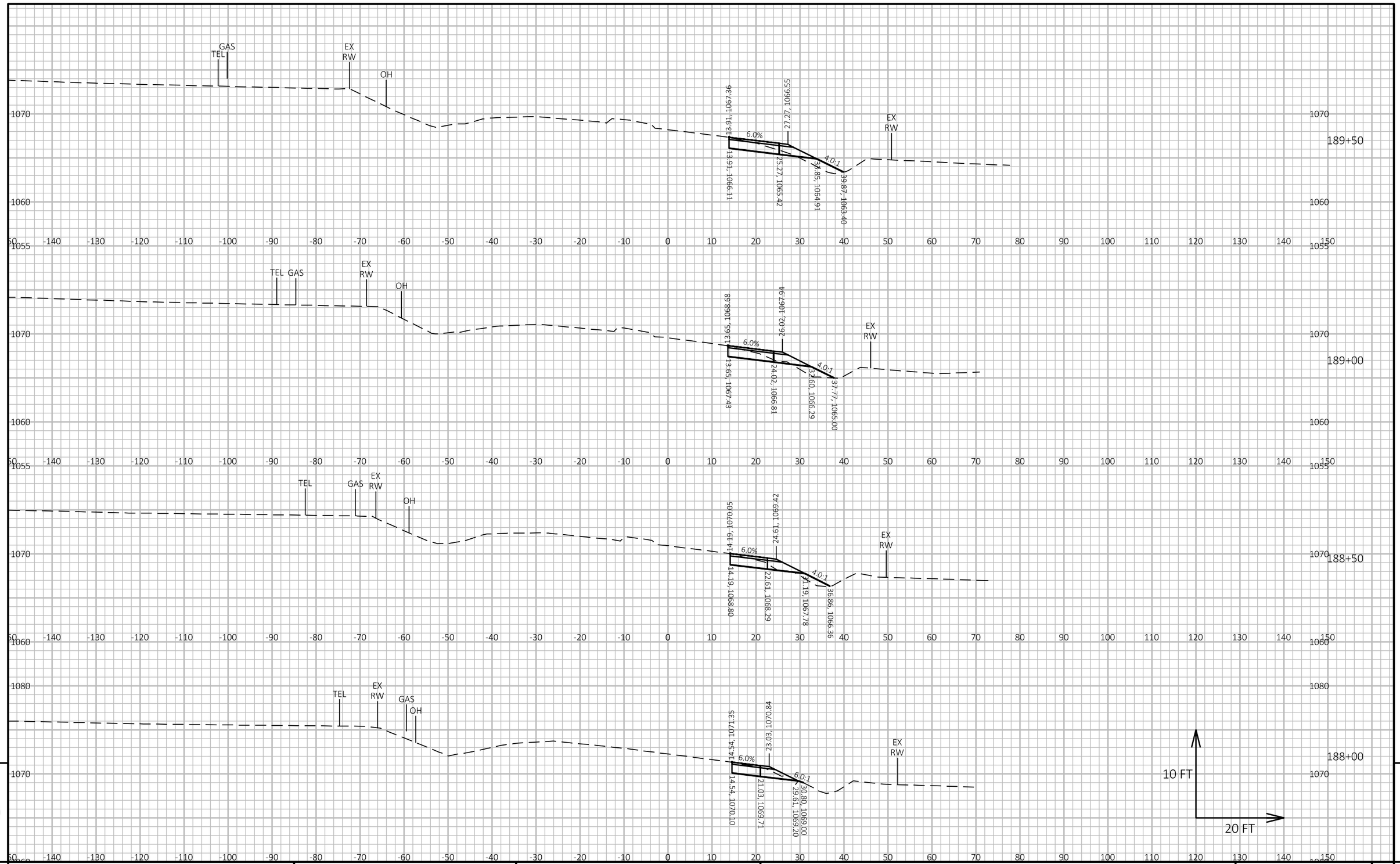
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LAYOUT NAME - 090201-xs

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WISDOT/CADDS SHEET 49



9

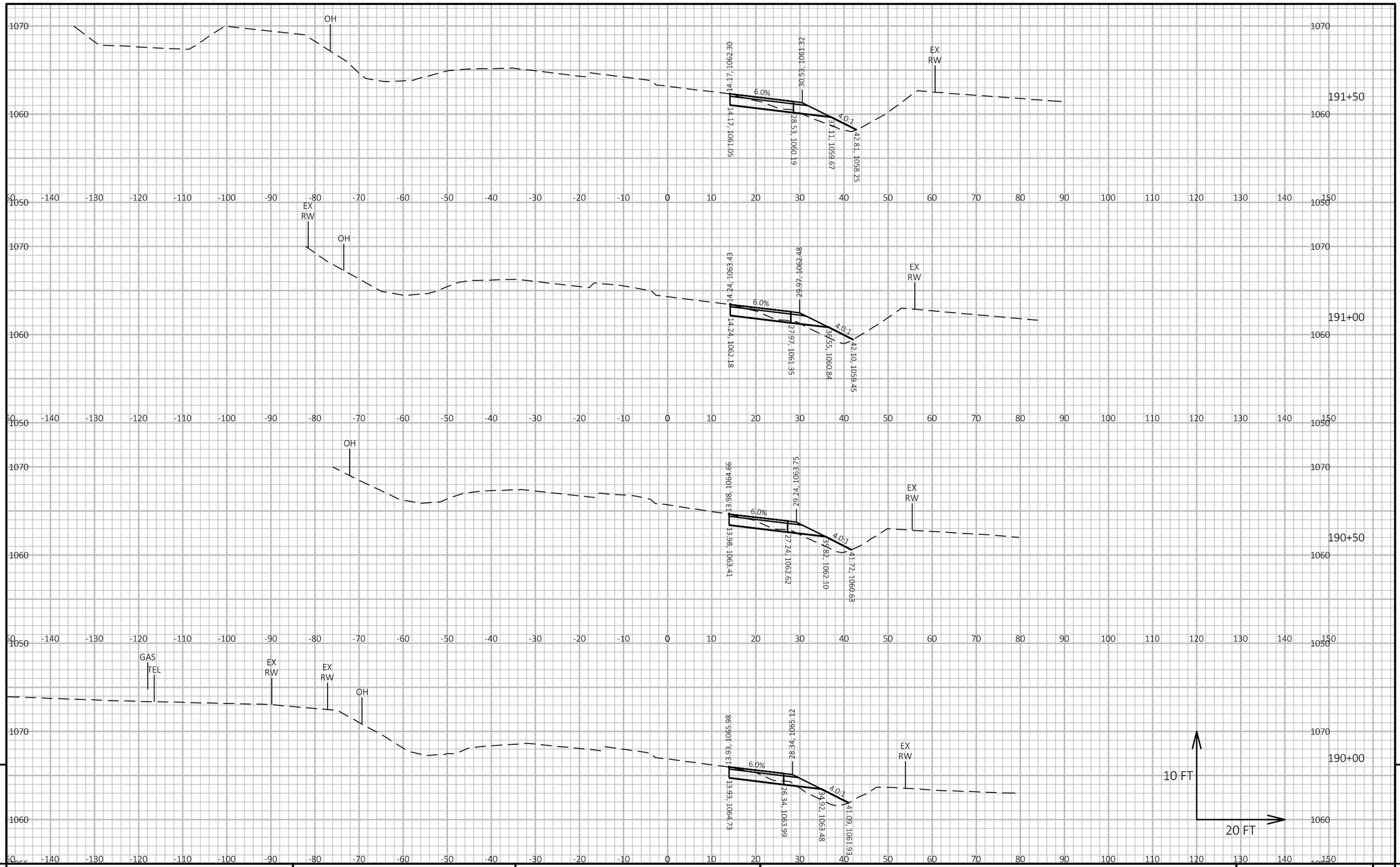
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 246	E

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LAYOUT NAME - 090202-xs

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WISDOT/CADDS SHEET 49



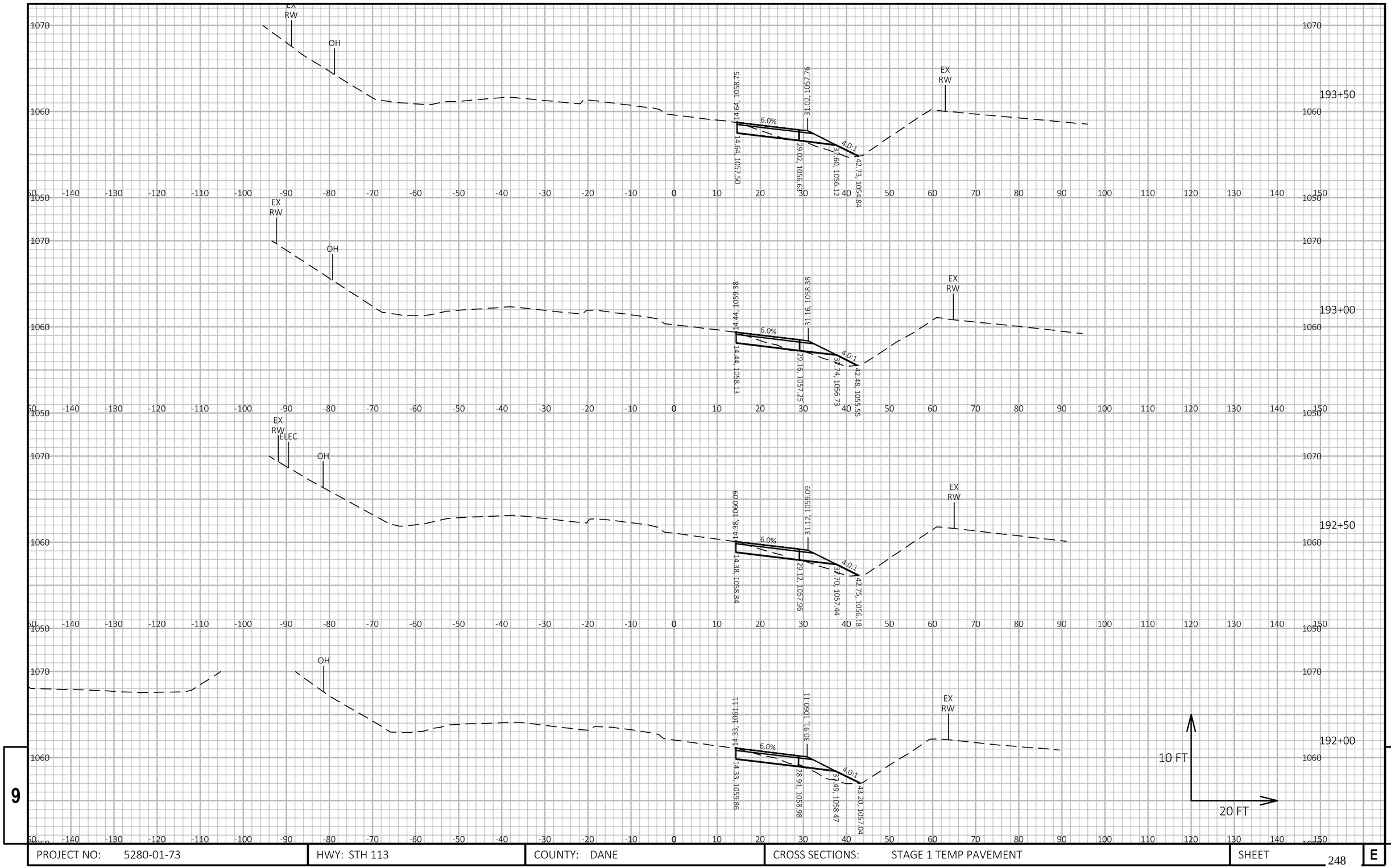
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 247	E

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LAYOUT NAME - 090203-xs

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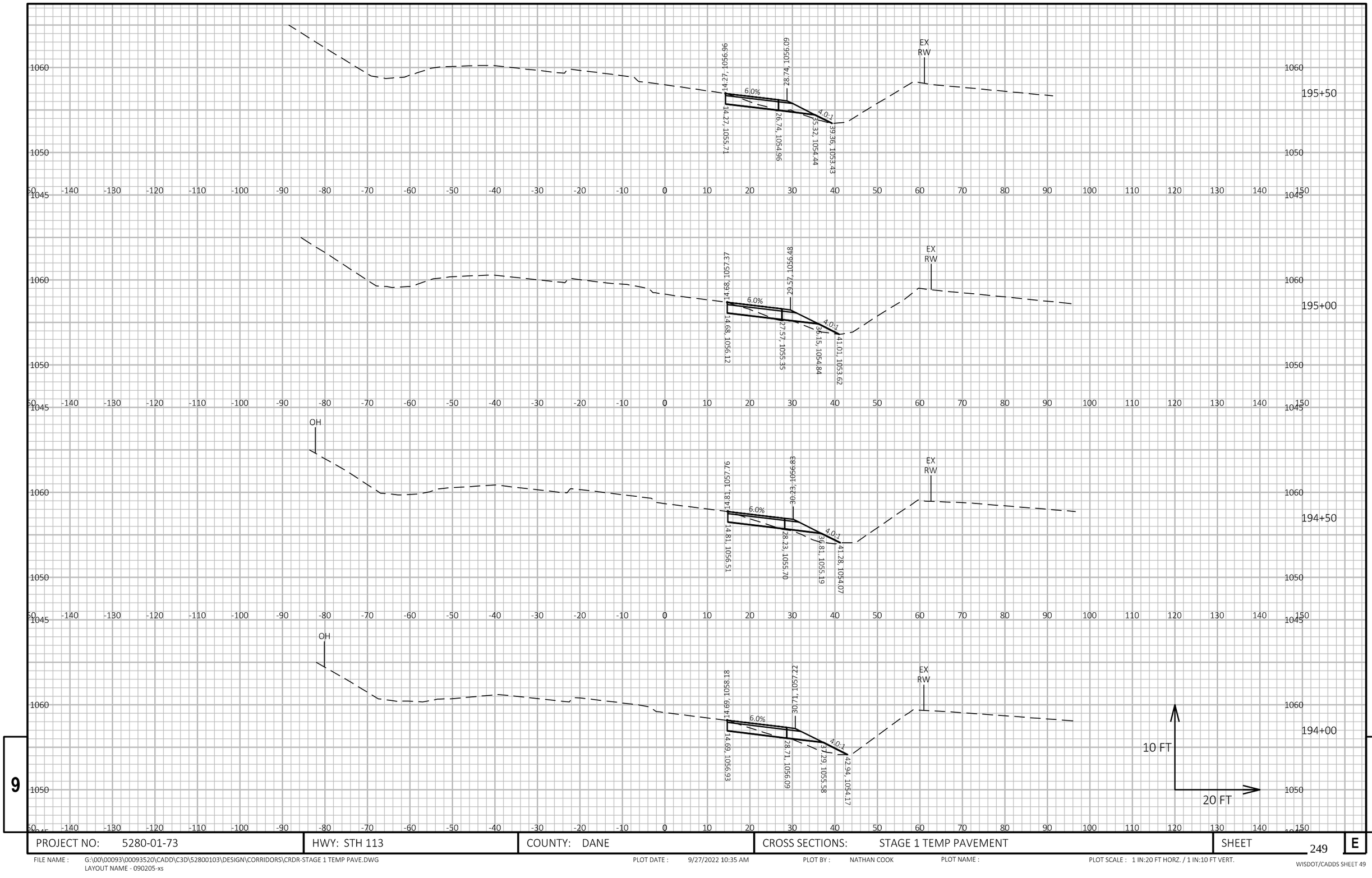
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 248	E

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LAYOUT NAME - 090204-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



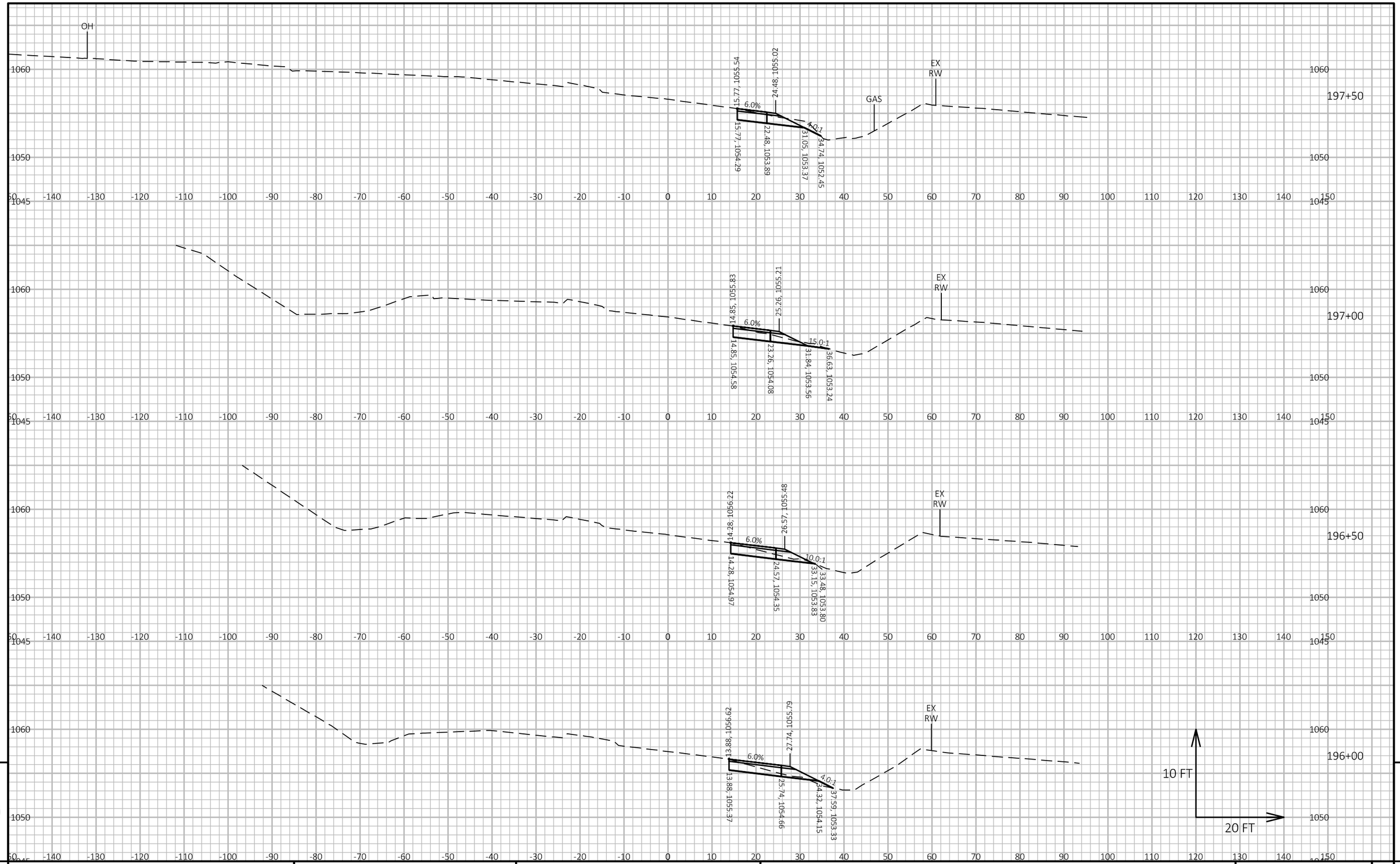
9

9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 249	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

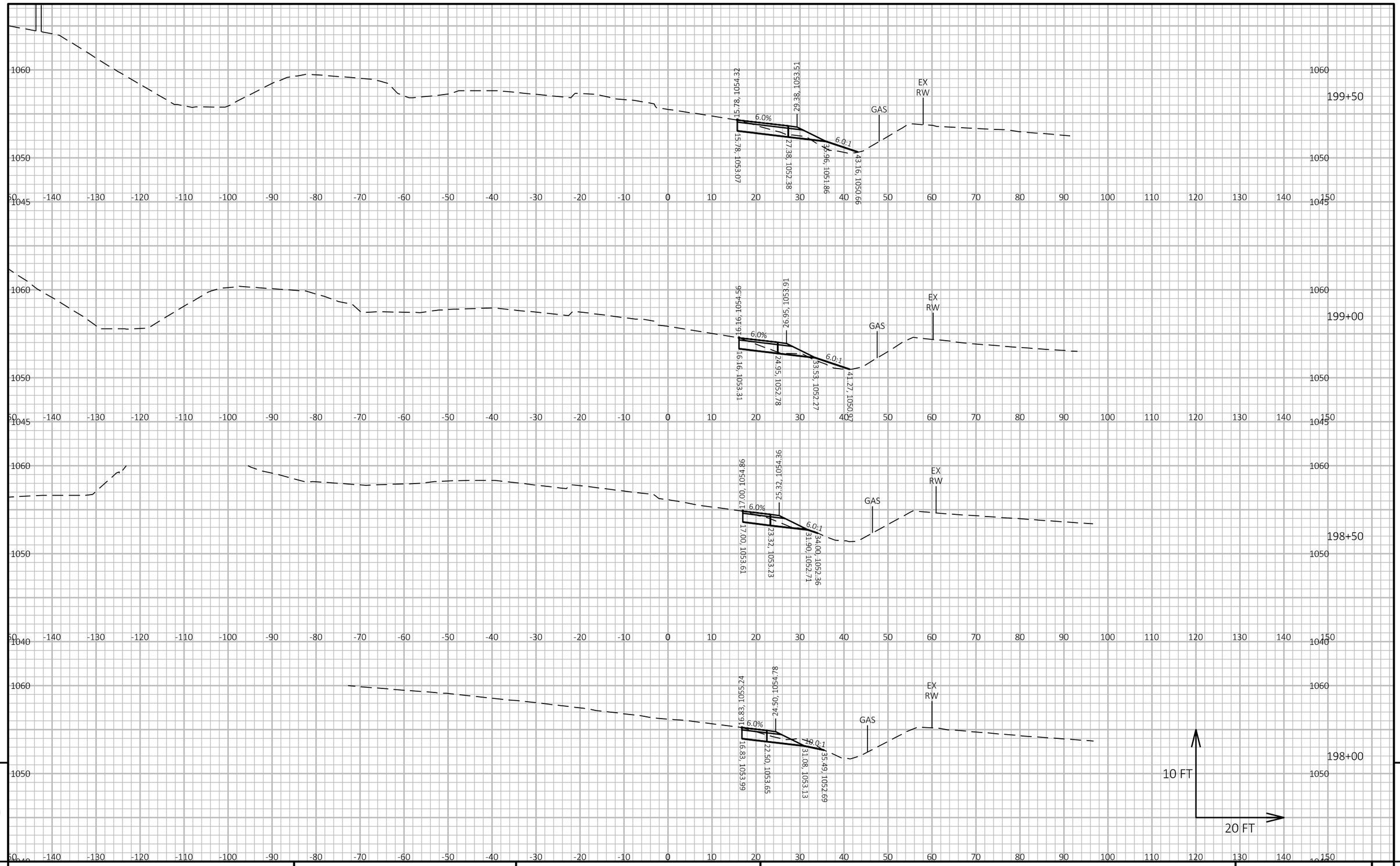


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 250	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

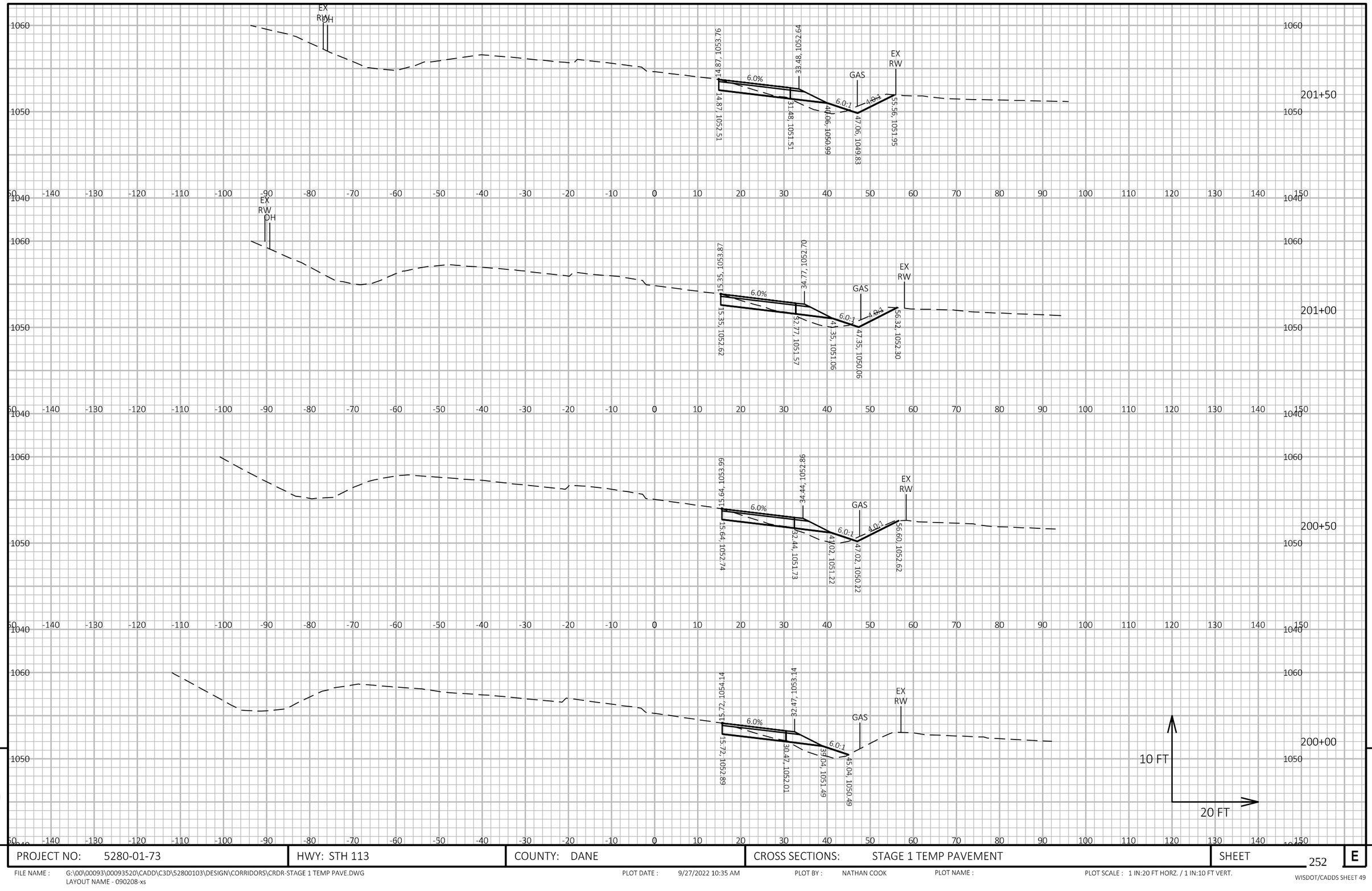
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 251	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



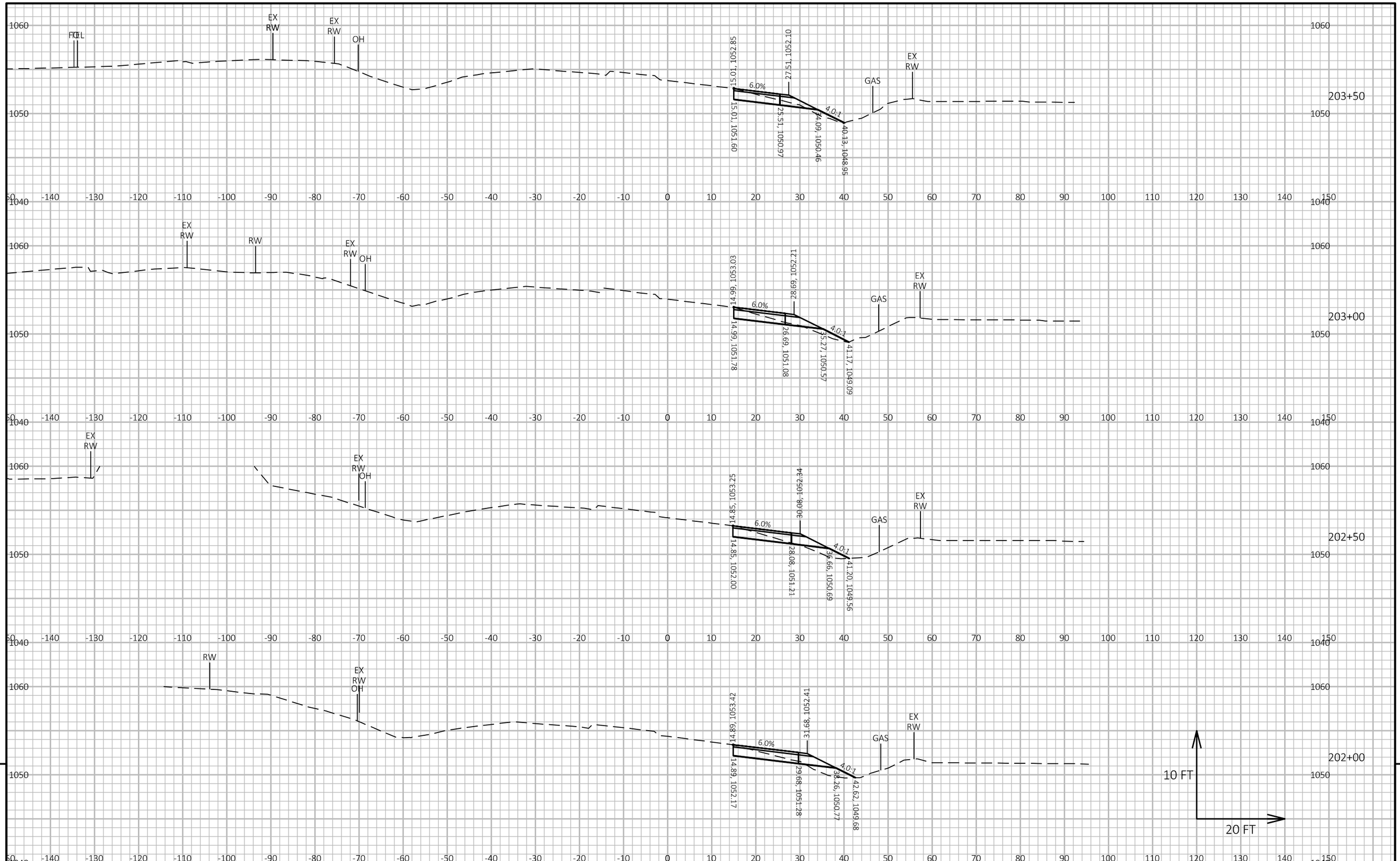
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9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 252	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 253	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090209-xs

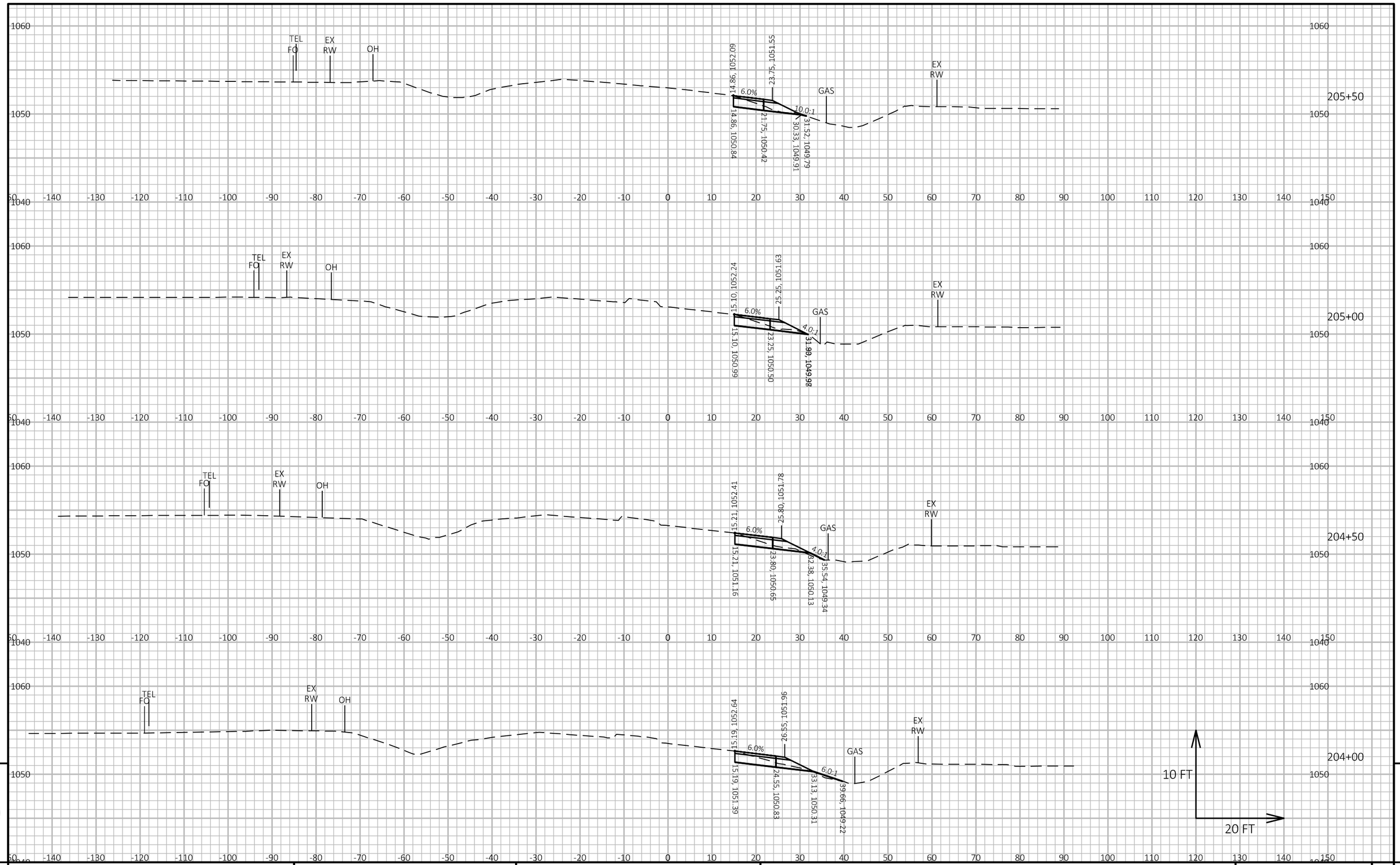
PLOT DATE : 9/27/2022 10:35 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

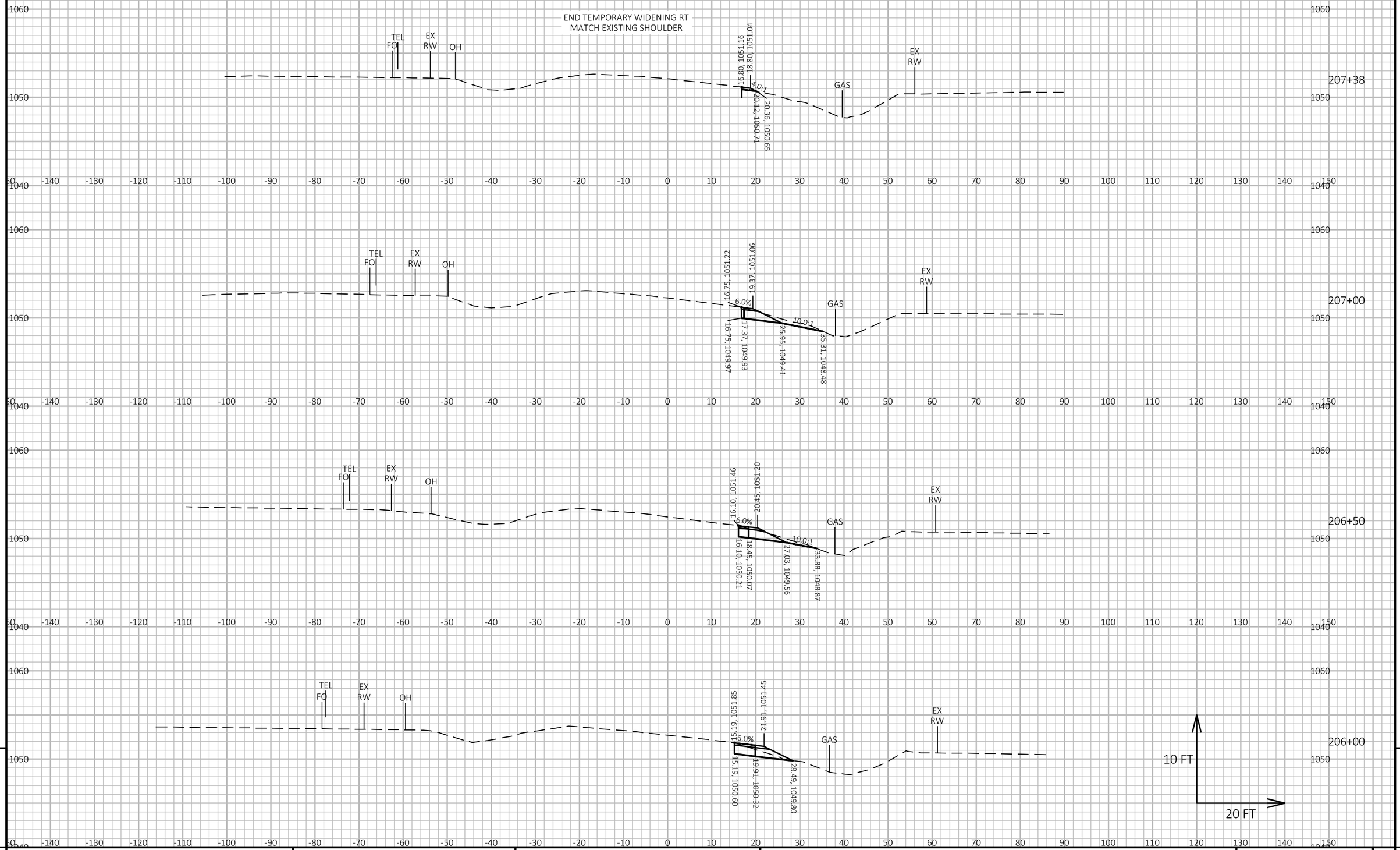
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 254	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END TEMPORARY WIDENING RT
MATCH EXISTING SHOULDER

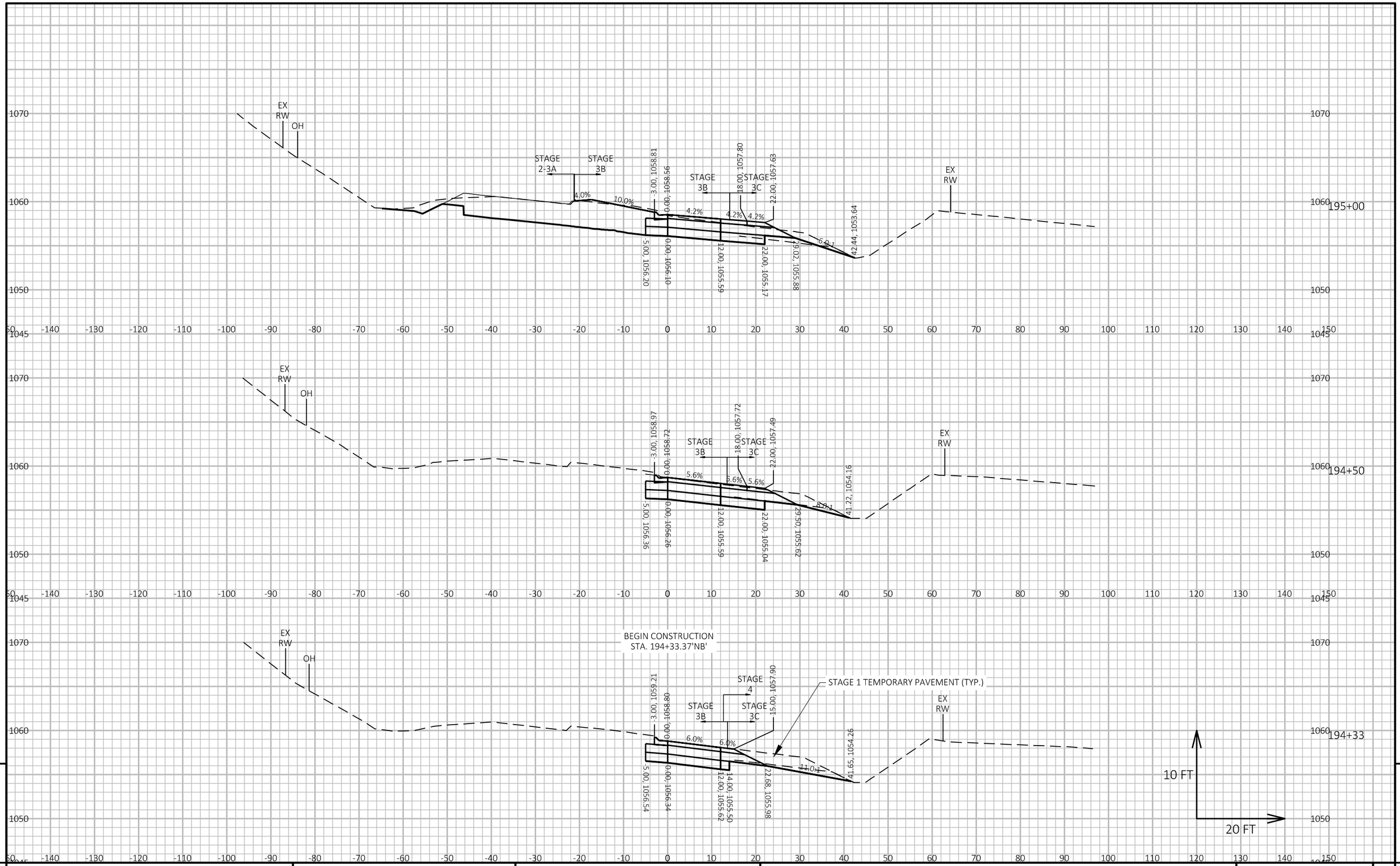


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STAGE 1 TEMP PAVEMENT	SHEET 255	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-STAGE 1 TEMP PAVE.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

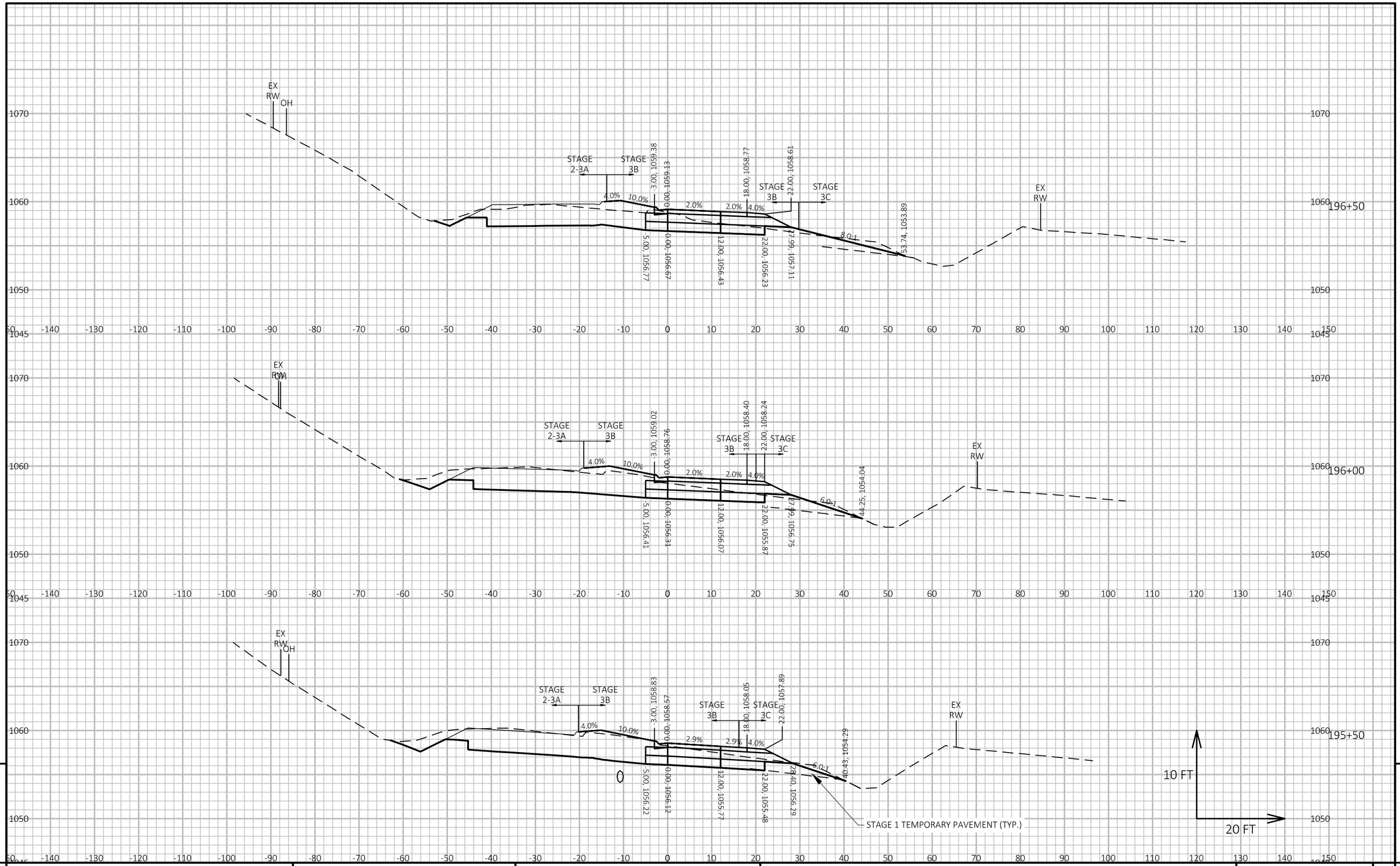
WISDOT/CADDS SHEET 49



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 256	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090201-xs

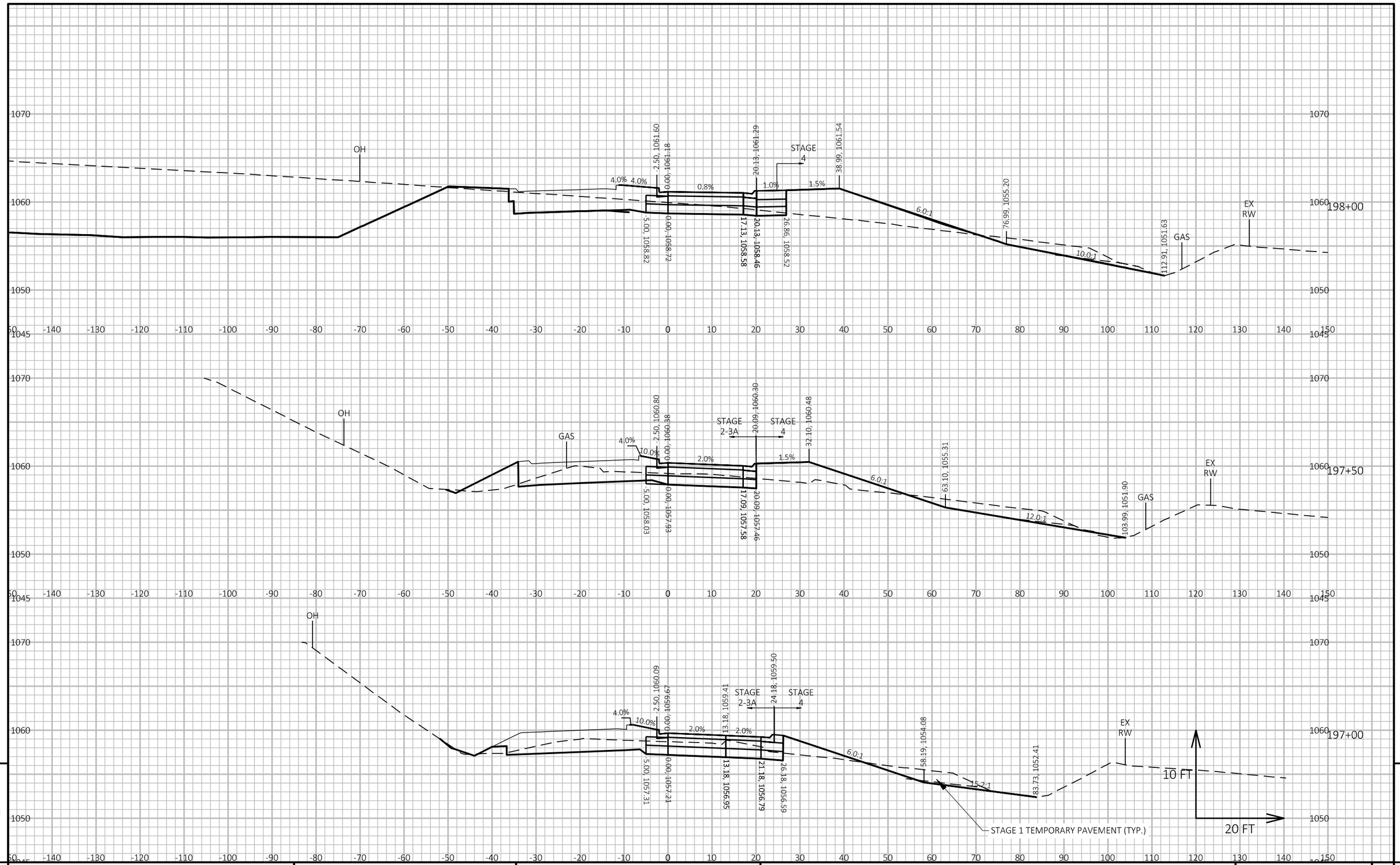
PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 257	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 9/27/2022 10:35 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

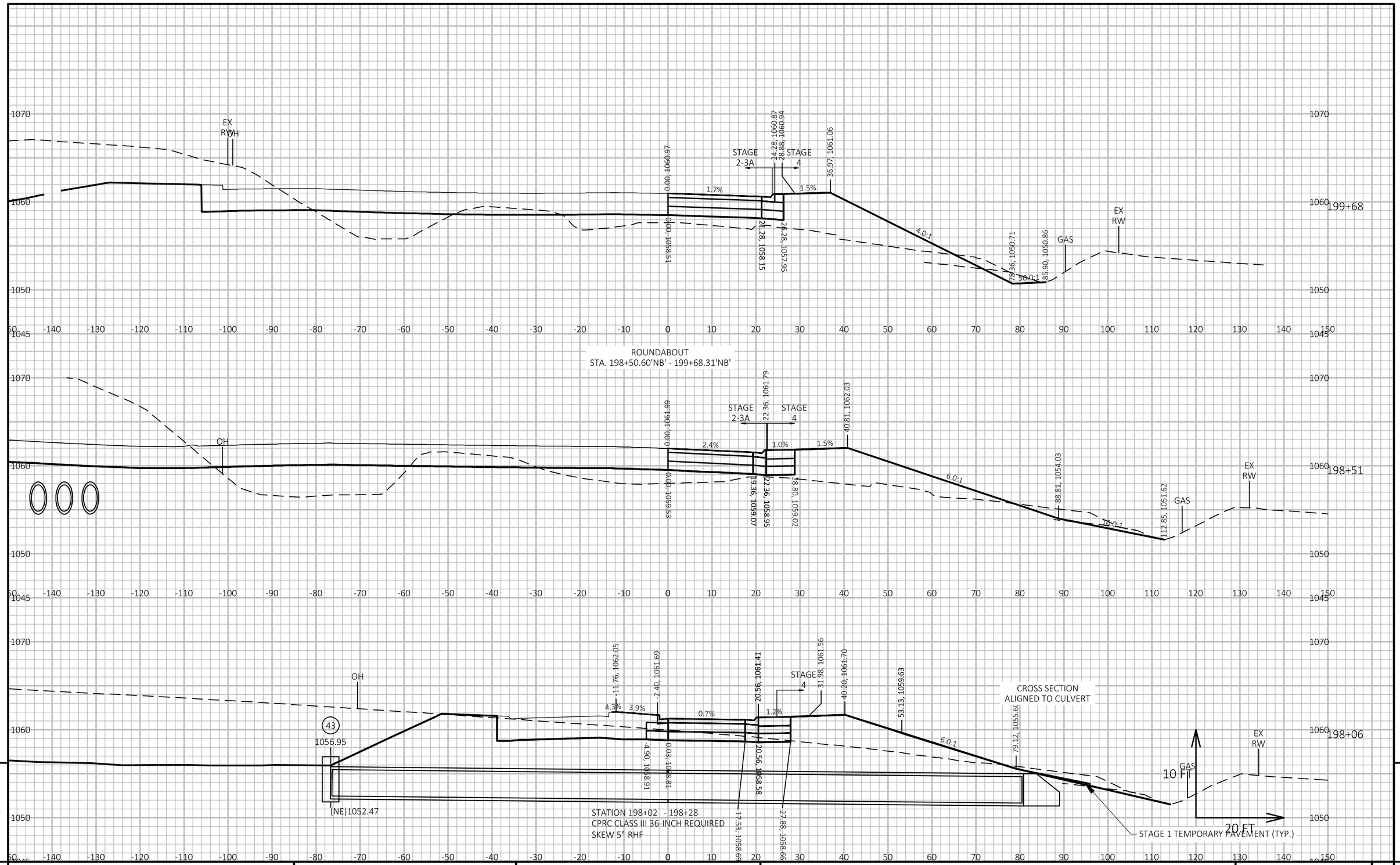
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 258	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 9/27/2022 10:36 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

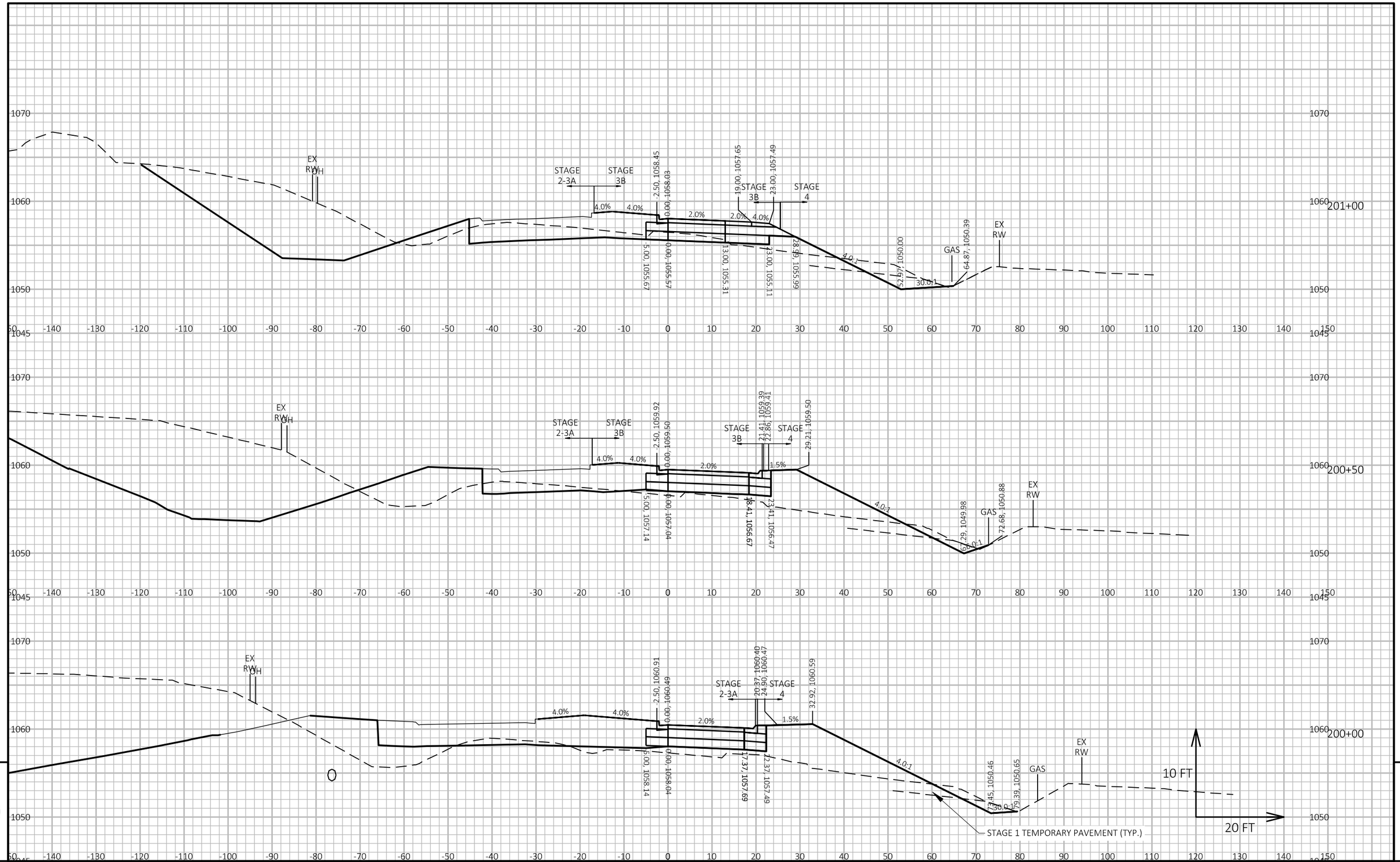
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 259	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 9/27/2022 10:36 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

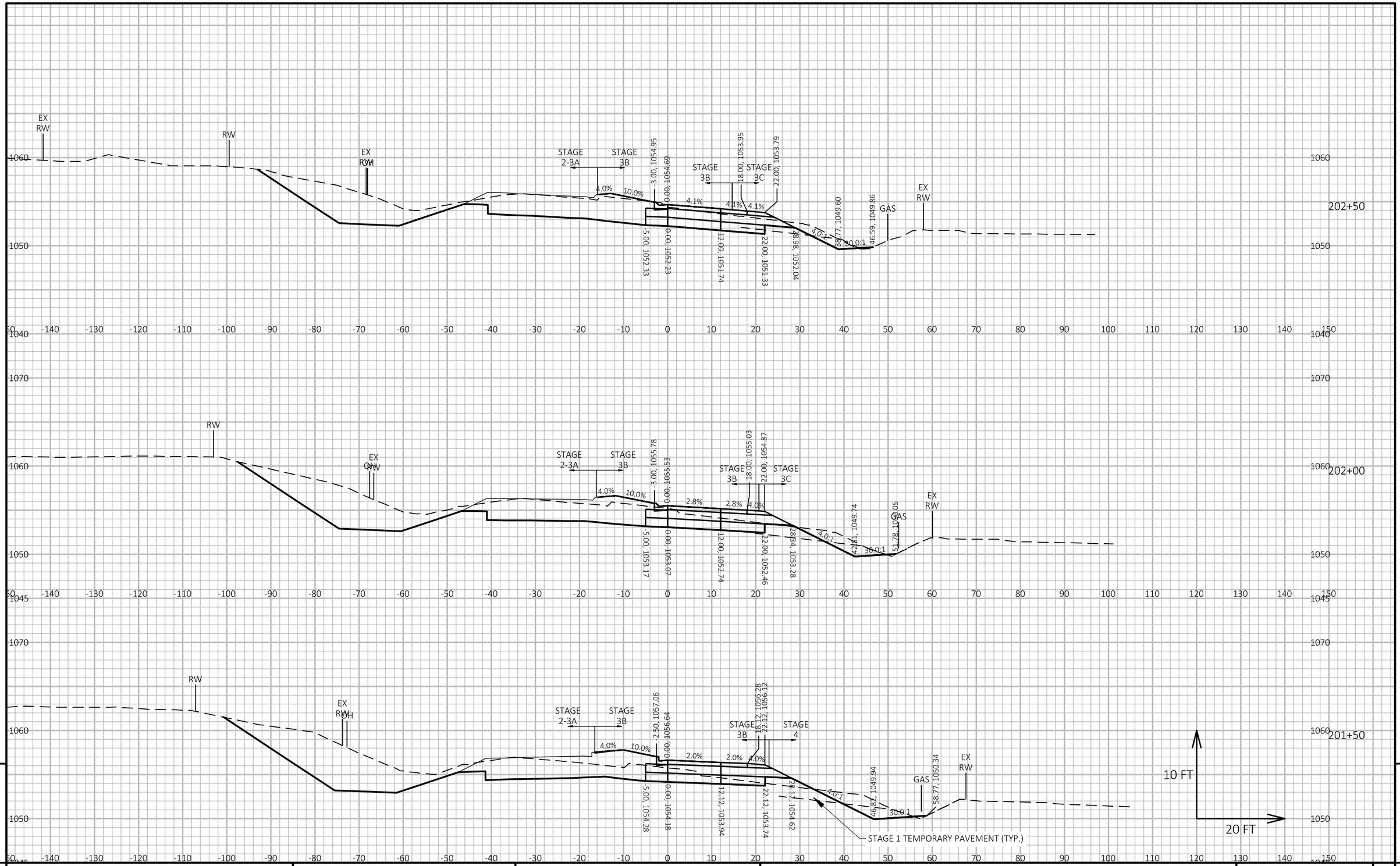


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 260	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 9/27/2022 10:36 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 261 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 9/27/2022 10:36 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT
STA. 203+21.14'NB'
MATCH EXISTING

EX RW
RW
EX RW
OH
STAGE 2-3A
STAGE 3B
STAGE 3C
GAS
EX RW
1060
1050
1040
203+21
0.00, 1053.99
18.00, 1052.91
22.00, 1052.67
48.02, 1050.39
0.00, 1051.53
12.00, 1050.81
22.00, 1050.21
29.68, 1050.75
6.0%
4.0:1
3.0:1
-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

EX RW
RW
EX RW
OH
STAGE 3B
STAGE 3C
STAGE 1 TEMPORARY PAVEMENT (TYP.)
GAS
EX RW
1060
1050
1040
203+00
10 FT
20 FT
-3.00, 1054.39
0.00, 1054.14
18.00, 1053.16
22.00, 1052.94
5.00, 1051.78
0.00, 1051.68
12.00, 1051.03
22.00, 1050.48
29.45, 1051.08
36.22, 1049.39
45.32, 1049.69
5.4%
4.0:1
3.0:1
-150 -140 -130 -120 -110 -100 -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

9

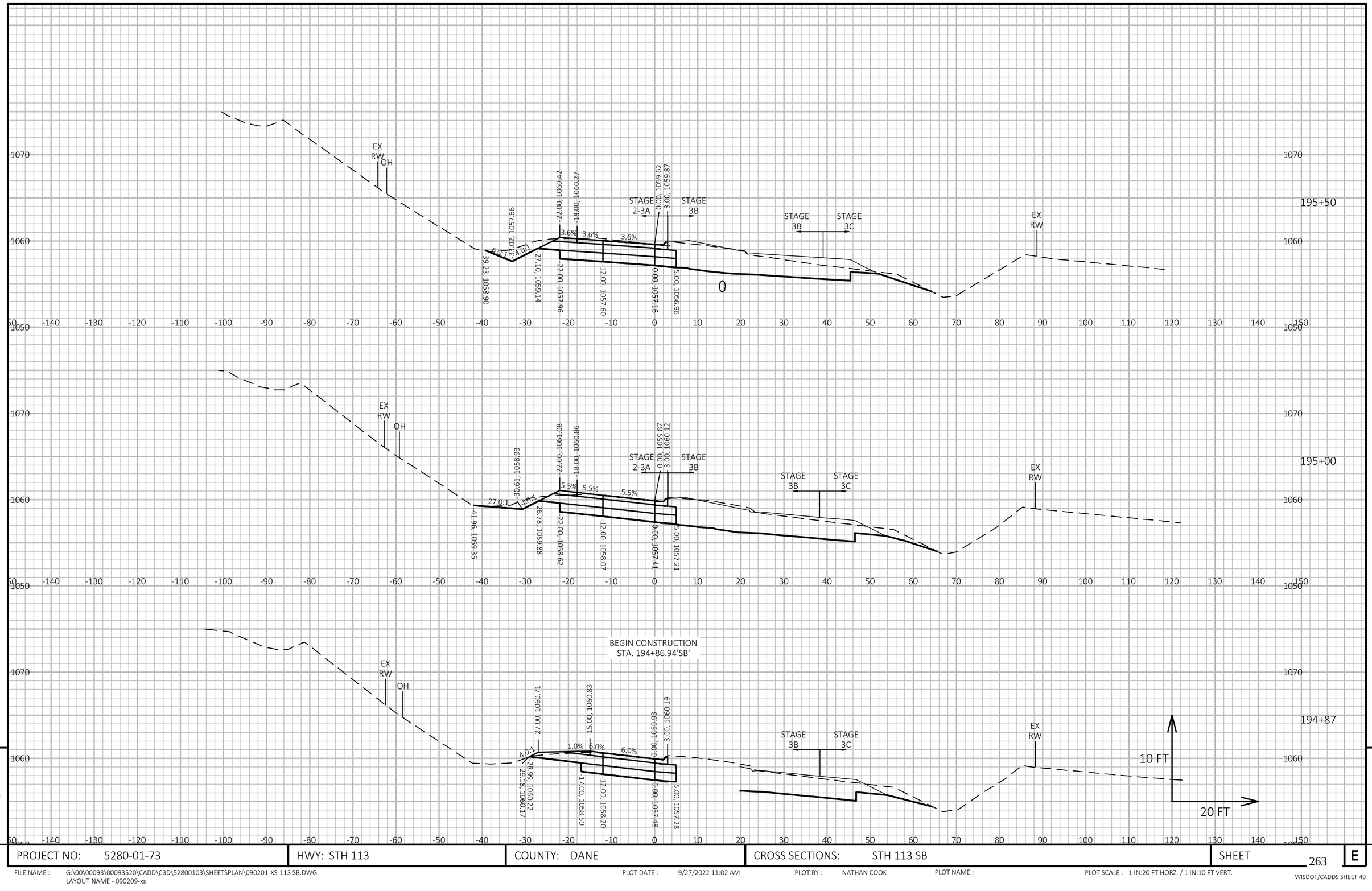
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 NB	SHEET 262	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 NB.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 9/27/2022 10:36 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

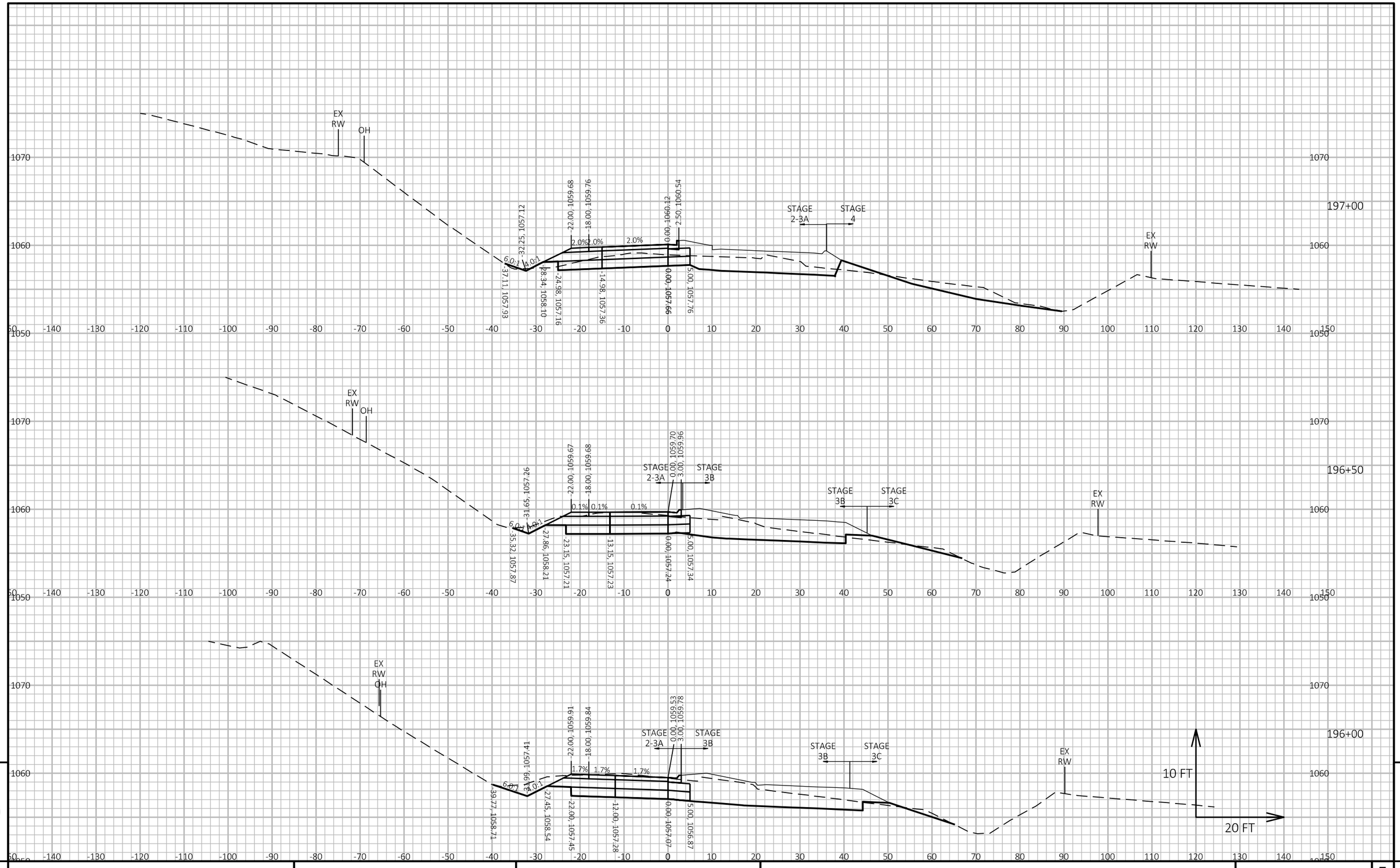


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 263	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



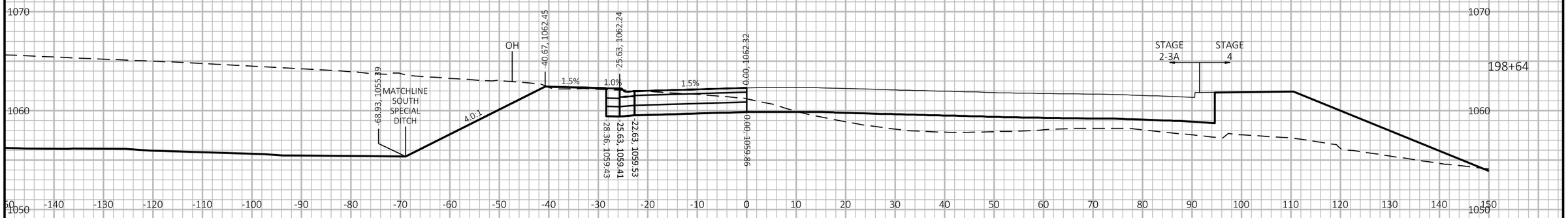
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 264 E

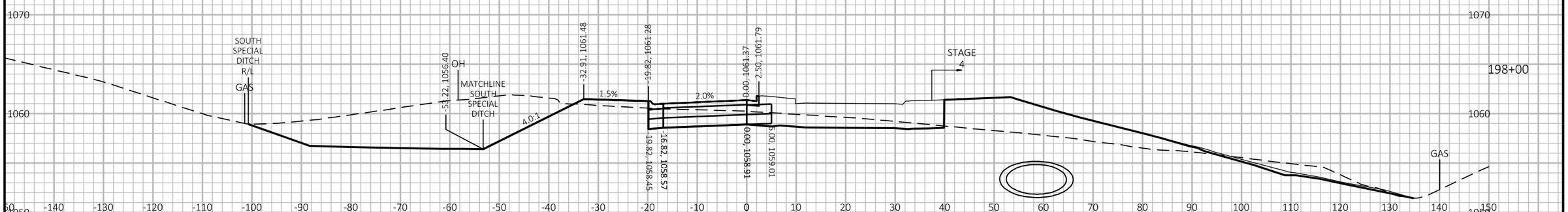
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090210-xs

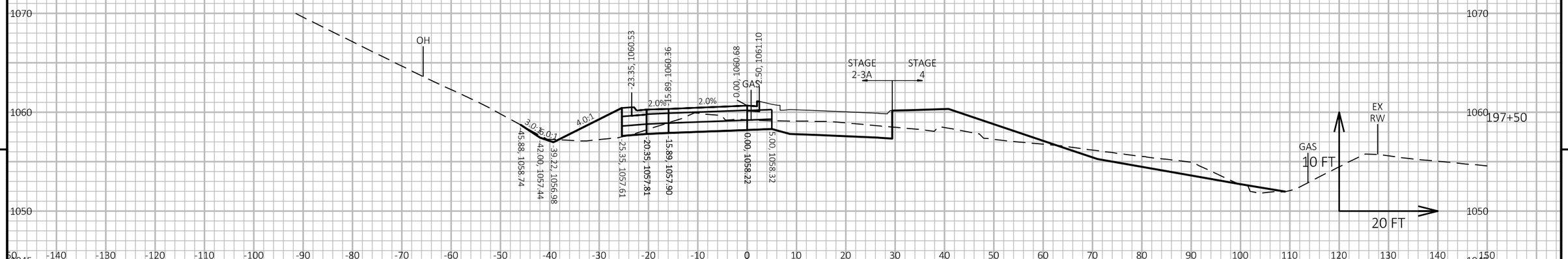
PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

ROUNDABOUT
STA. 198+63.60'SB' - 200+13.00

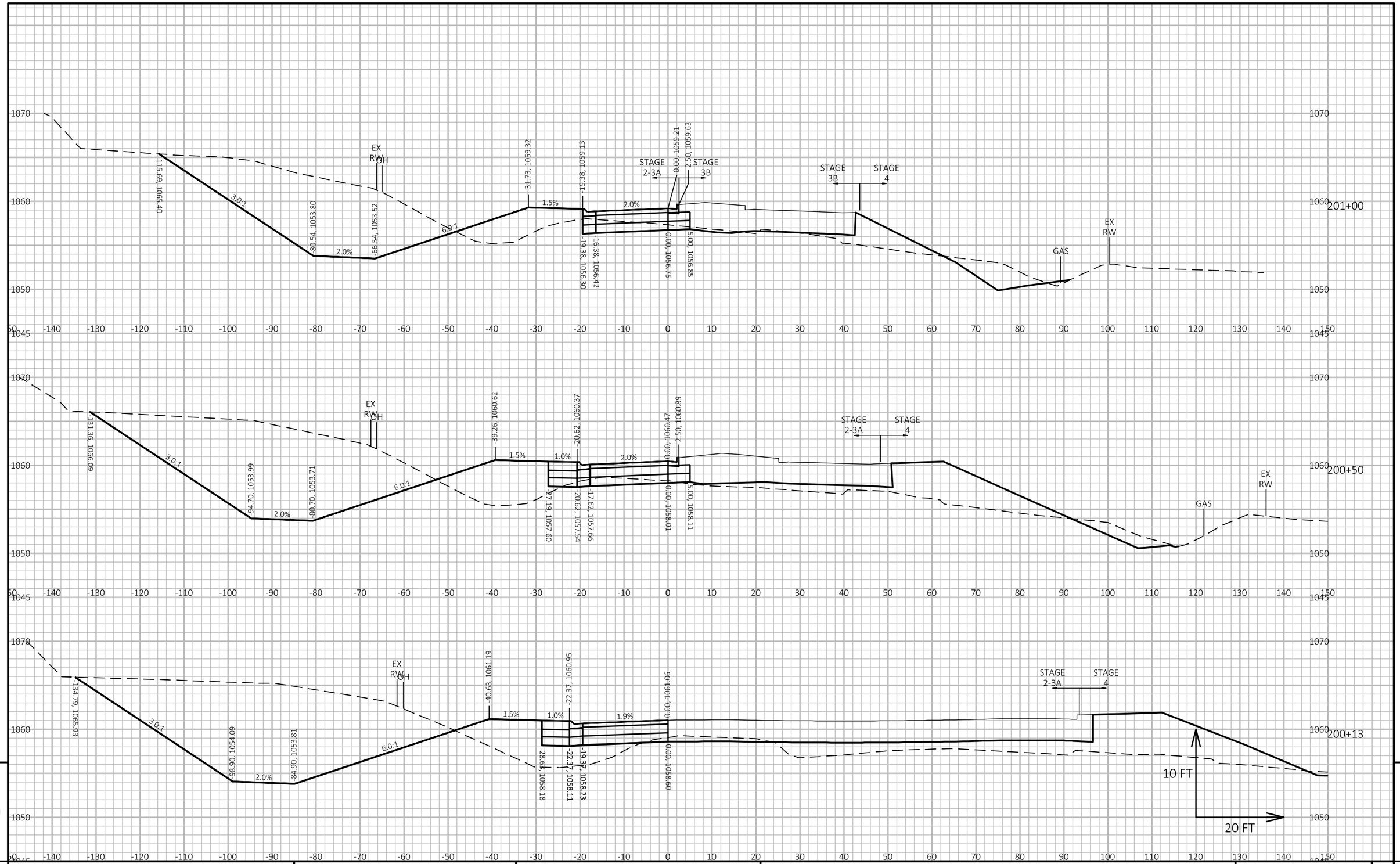






PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 265	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090211-xs
PLOT DATE : 9/27/2022 11:02 AM
PLOT BY : NATHAN COOK
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

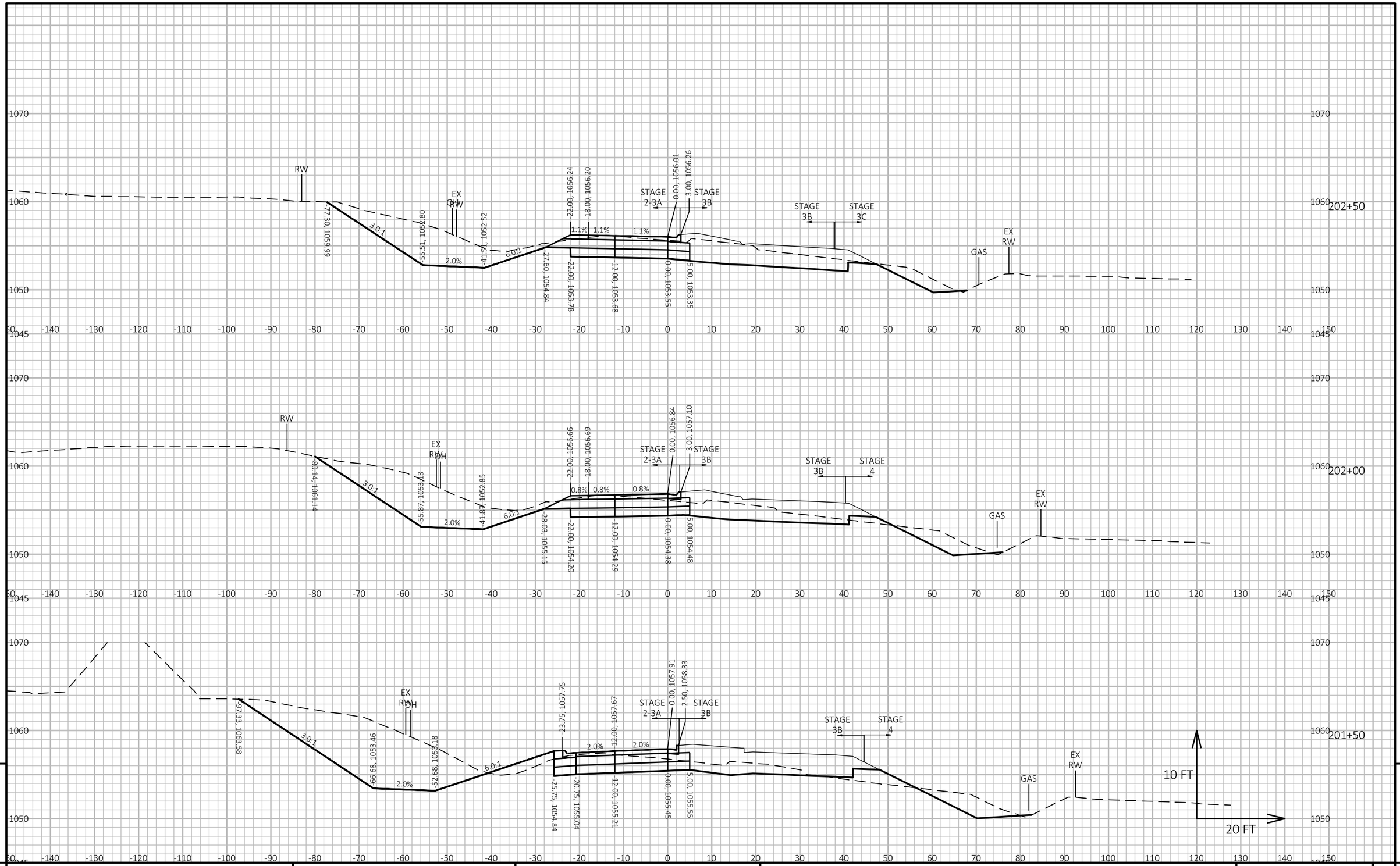
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 266	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 267	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 9/27/2022 11:02 AM

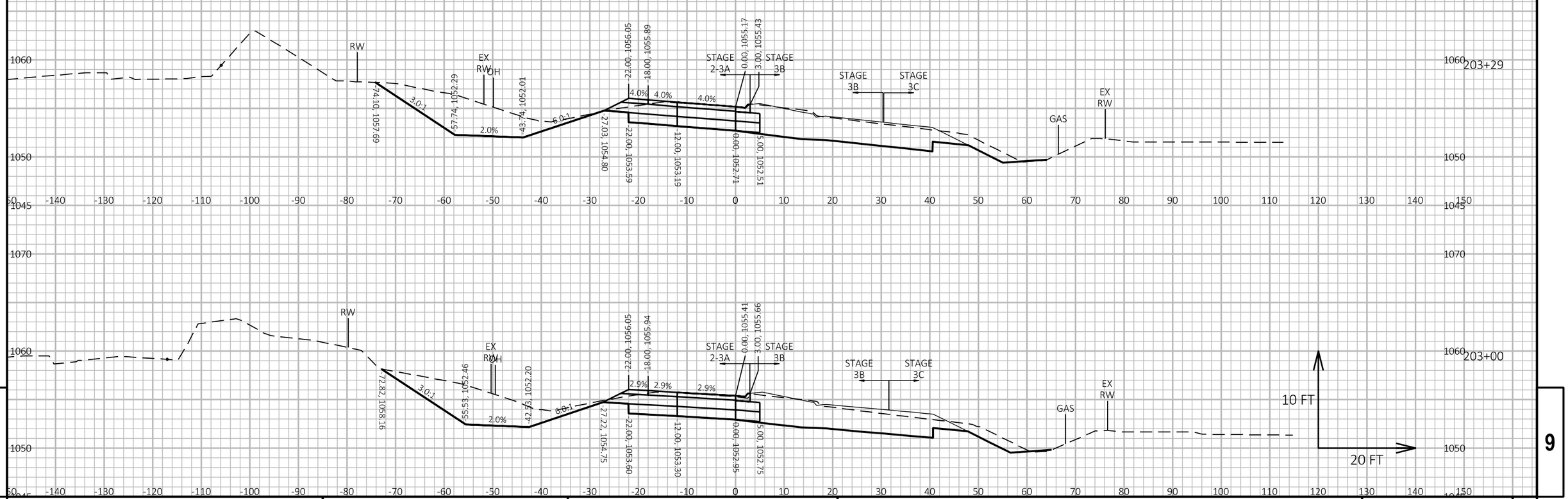
PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END FULL RECONSTRUCTION
STA. 203+28.62'SB'
BEGIN MILL AND OVERLAY AND
DITCH GRADING LT

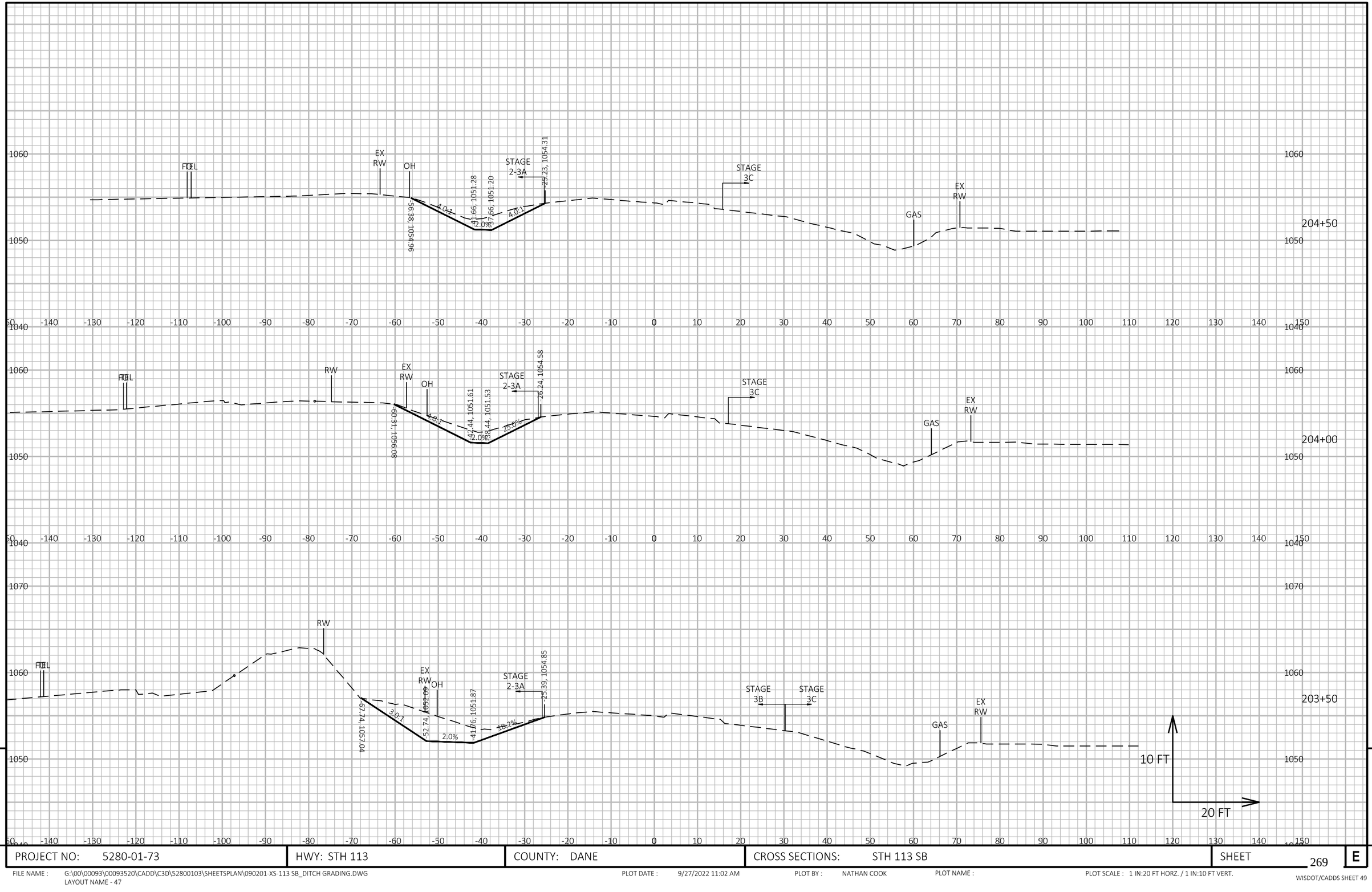


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 268	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

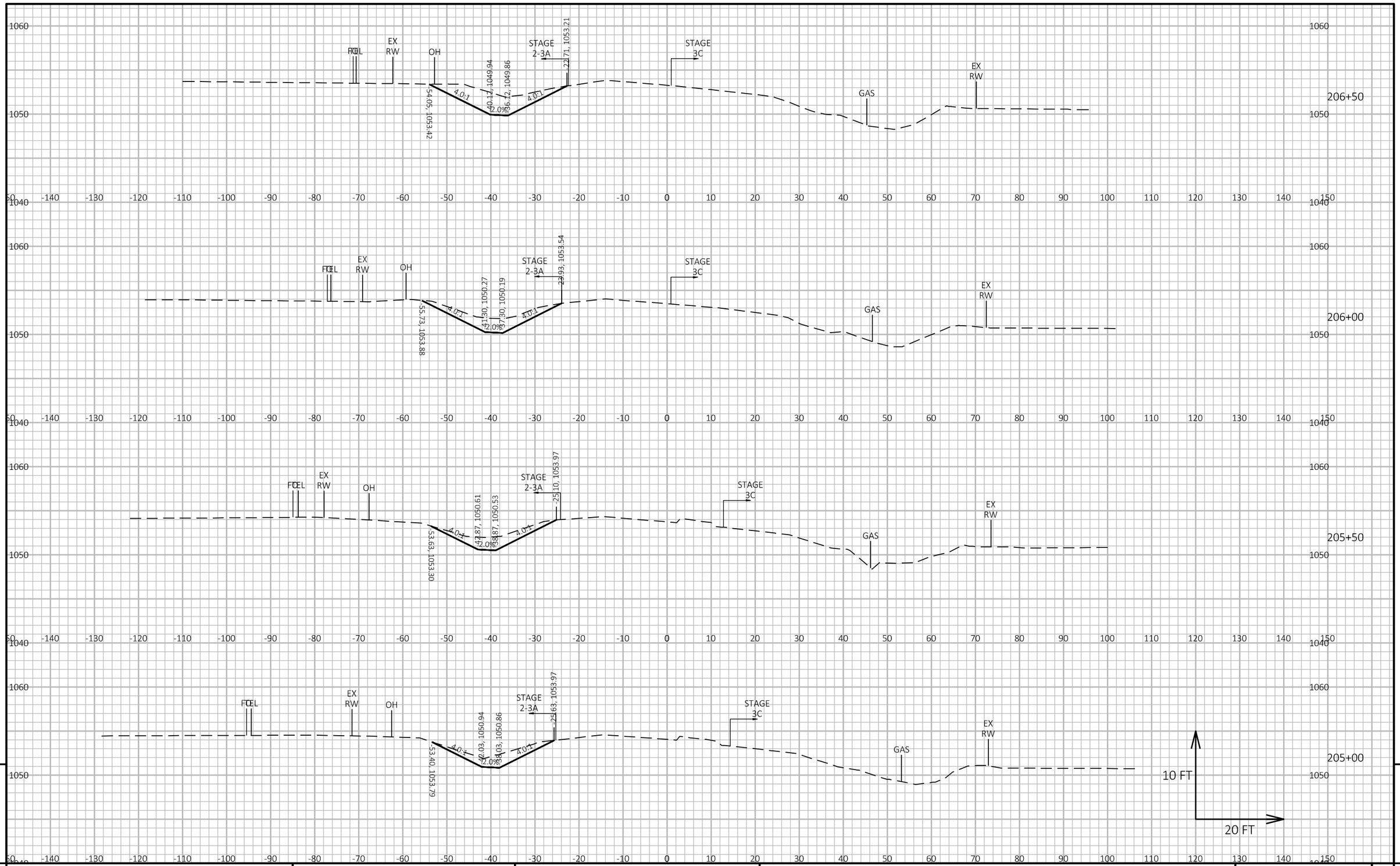


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 269	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 47

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

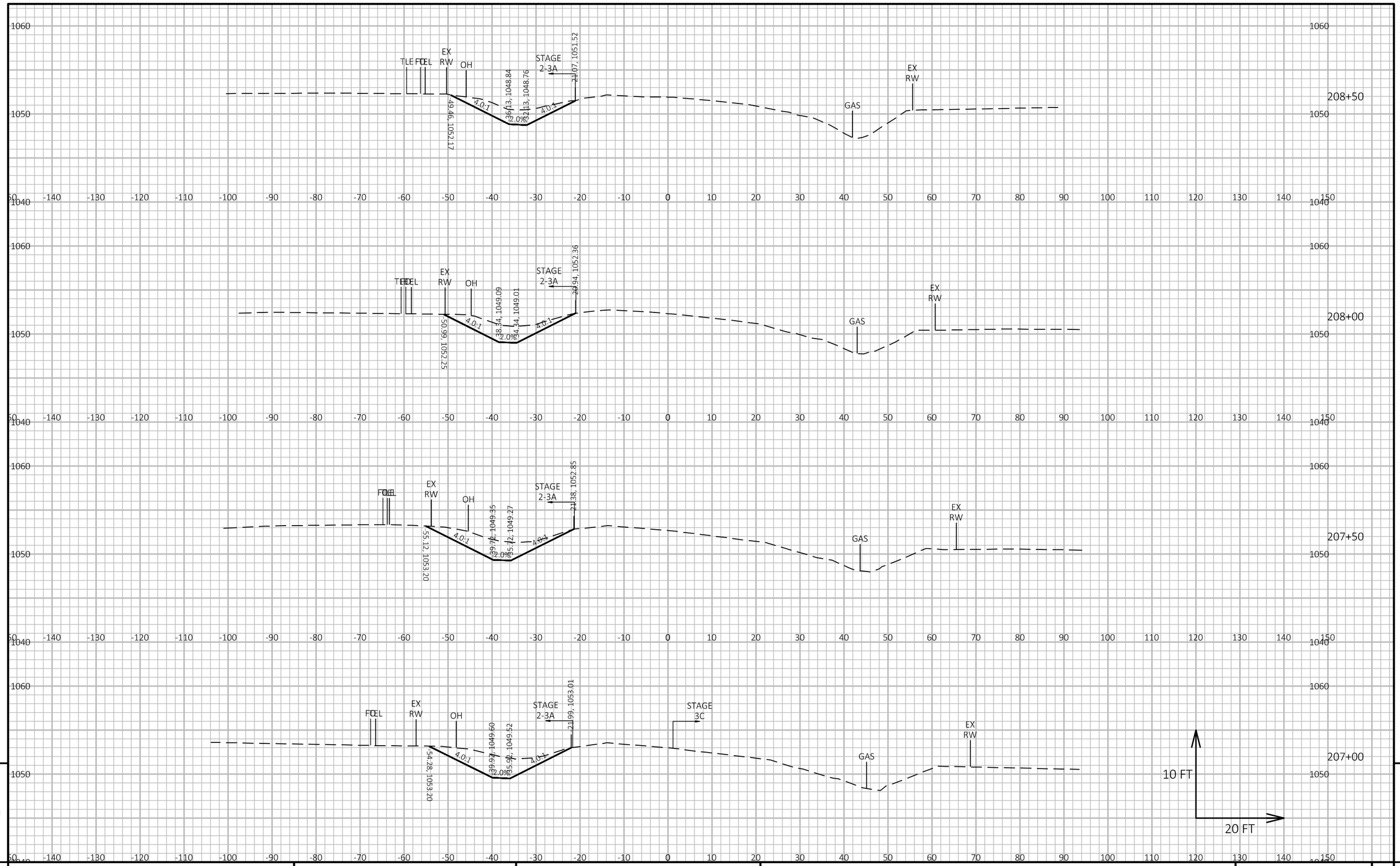
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 270	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 48

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

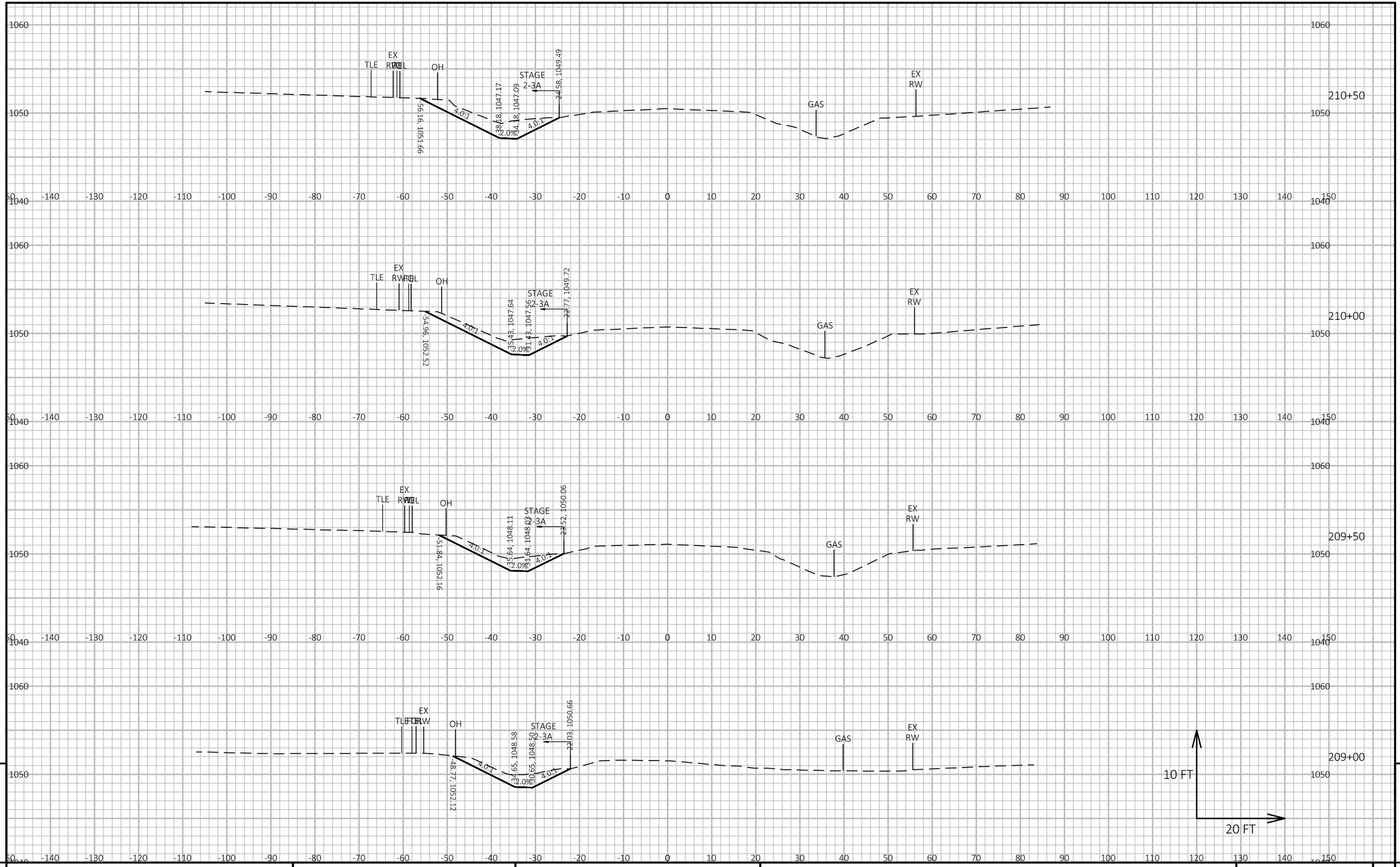
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 271	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 49

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

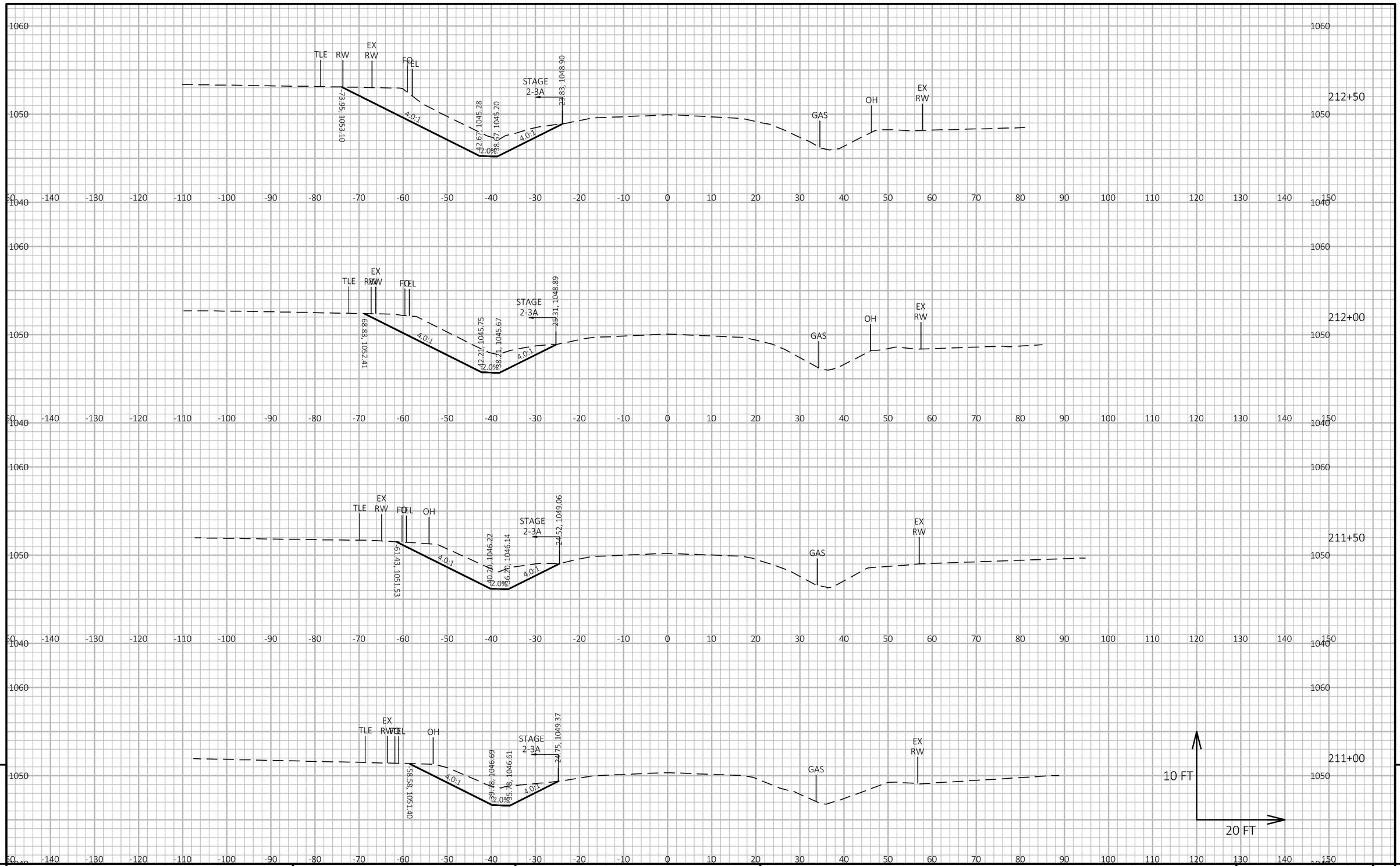


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 272	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 50

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

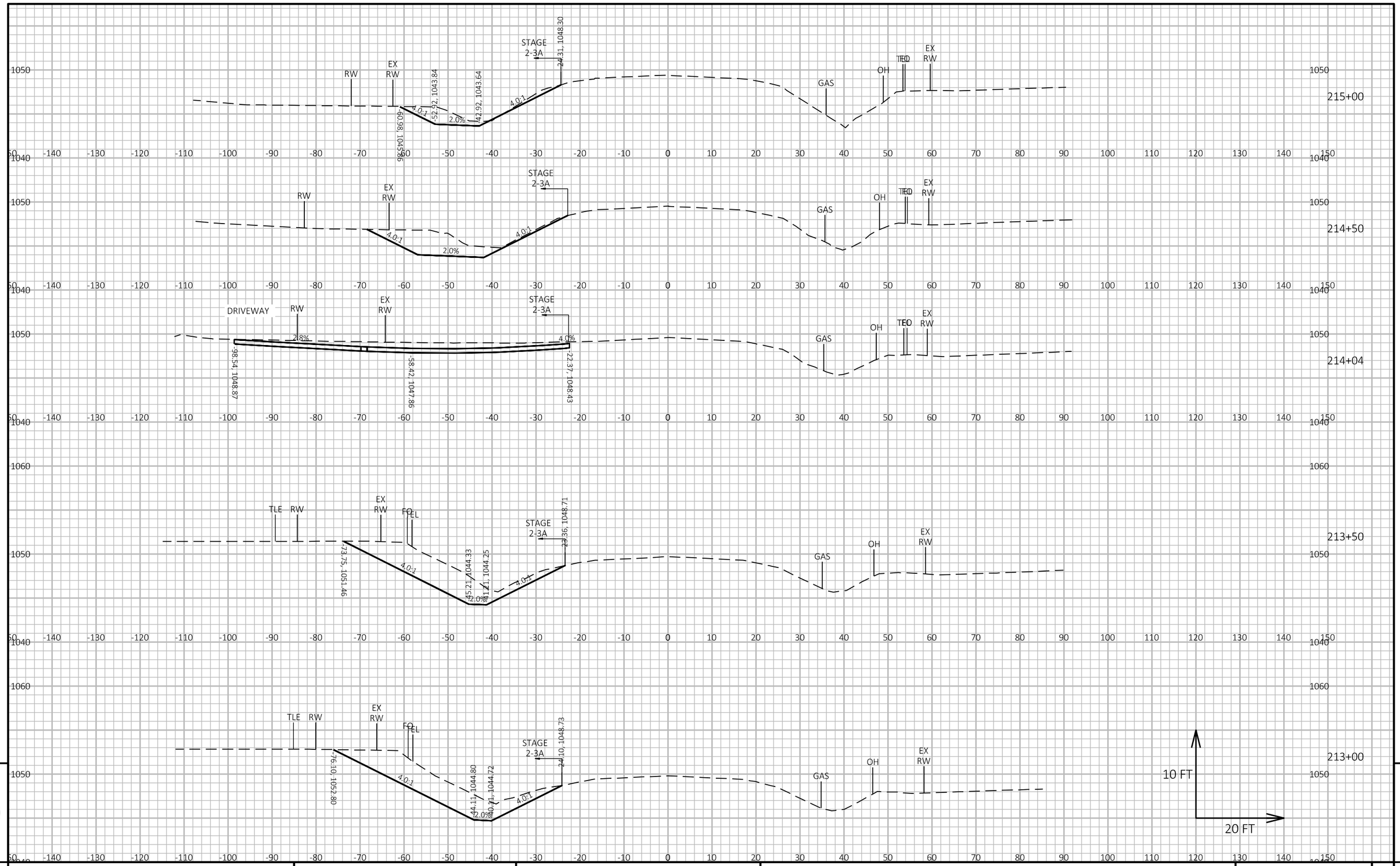
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 273	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 51

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

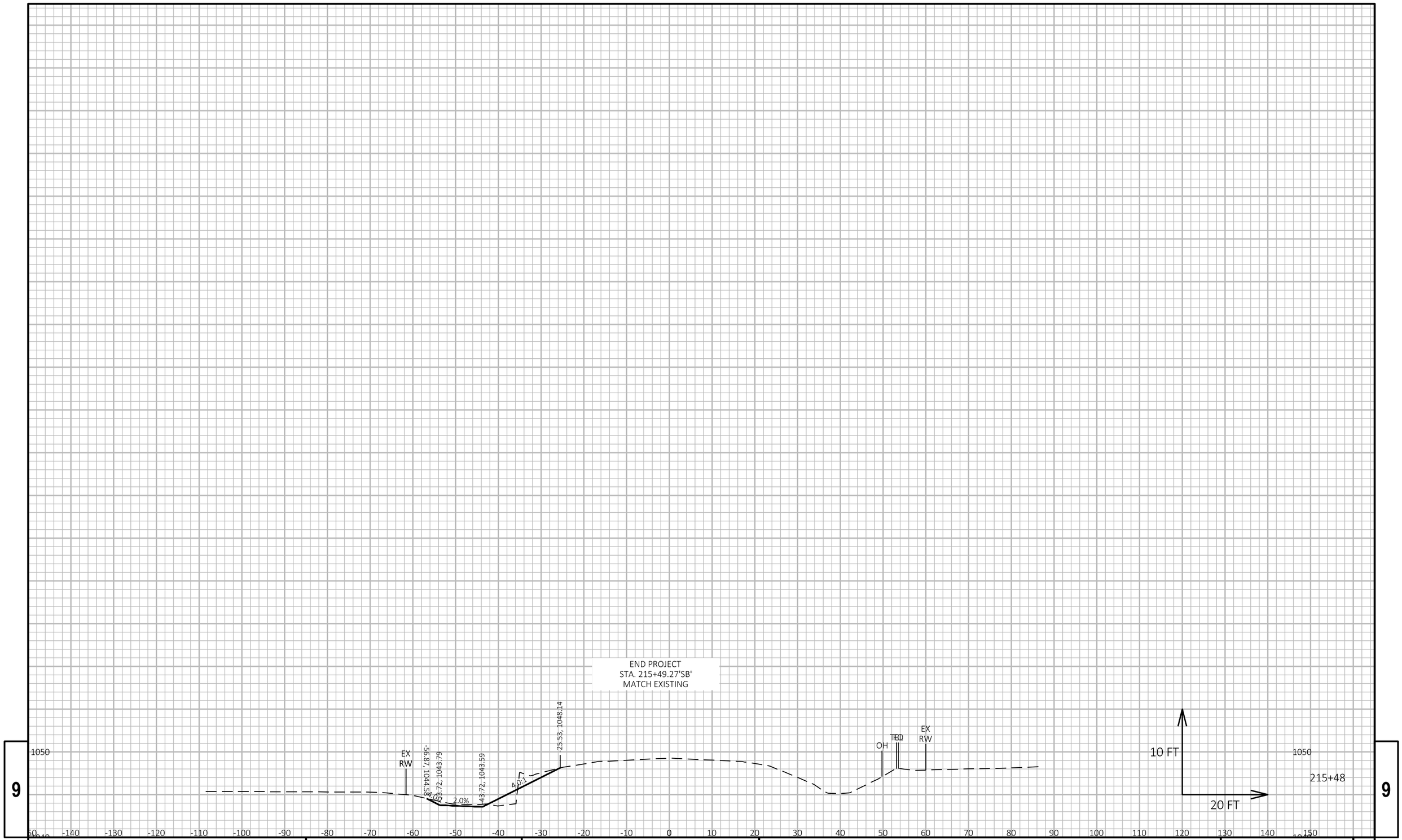
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 274	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 52

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



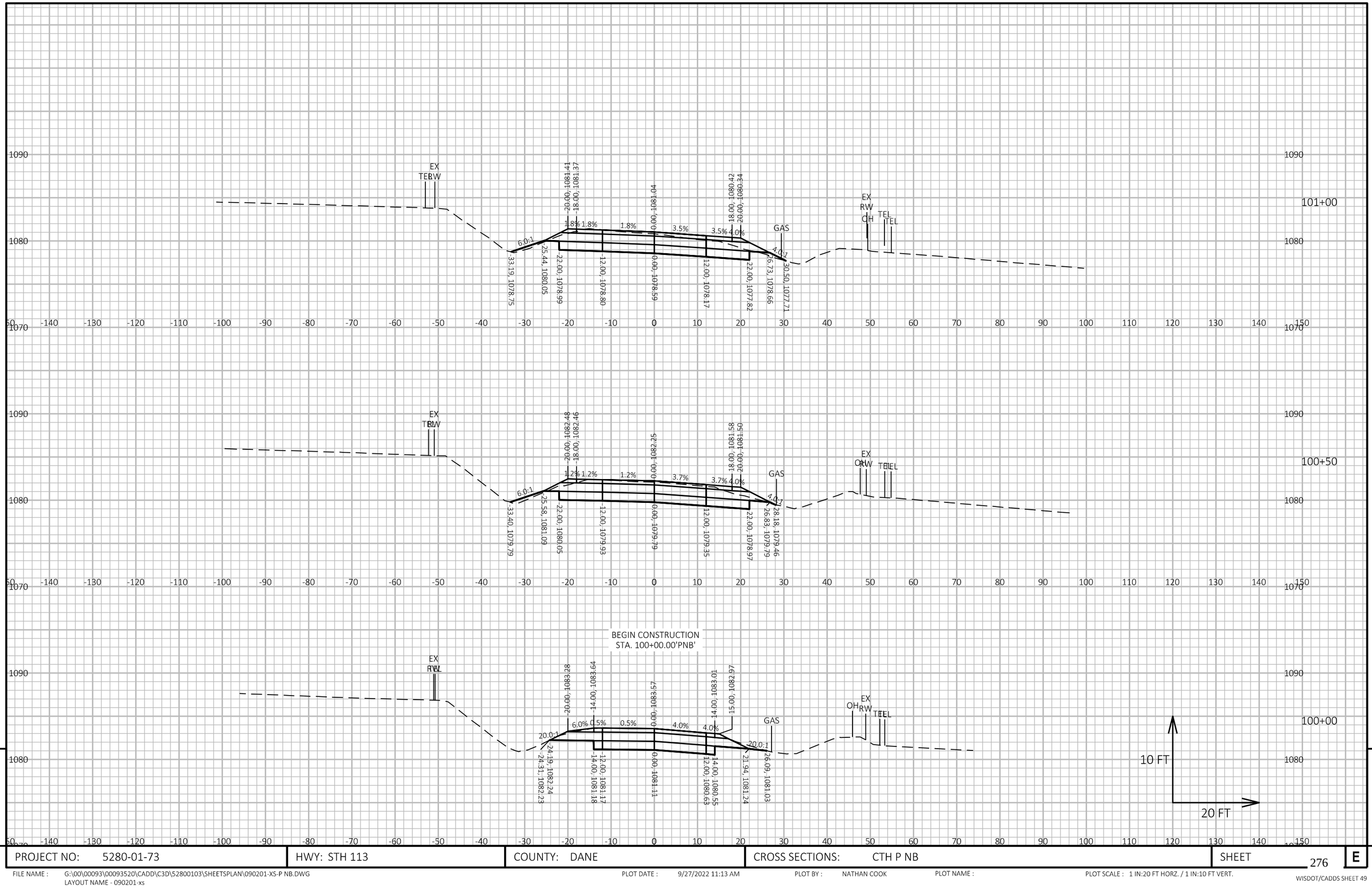
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SB	SHEET 275	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-113 SB_DITCH GRADING.DWG
LAYOUT NAME - 53

PLOT DATE : 9/27/2022 11:02 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 276	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090201-xs

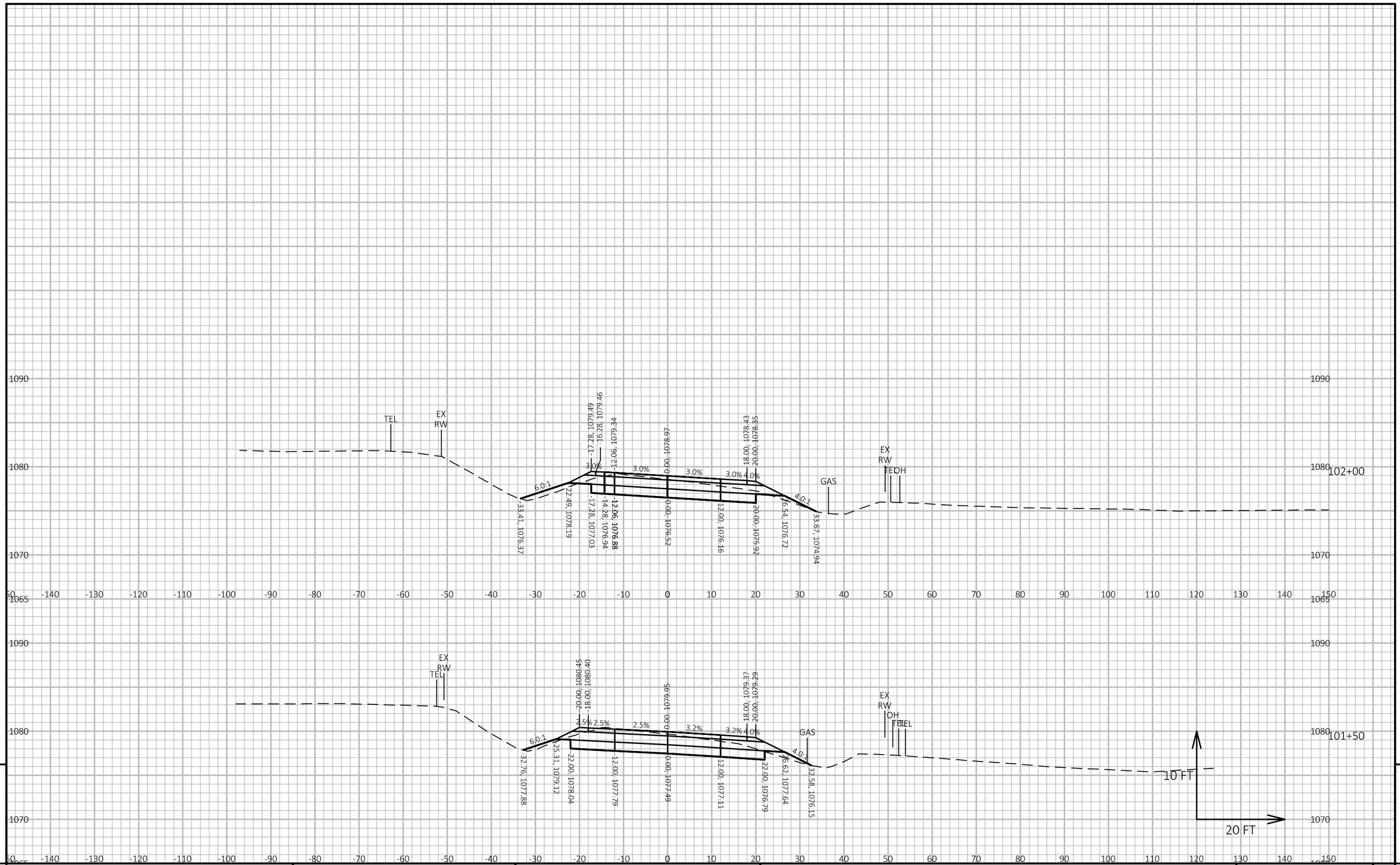
PLOT DATE : 9/27/2022 11:13 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 277	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090202-xs

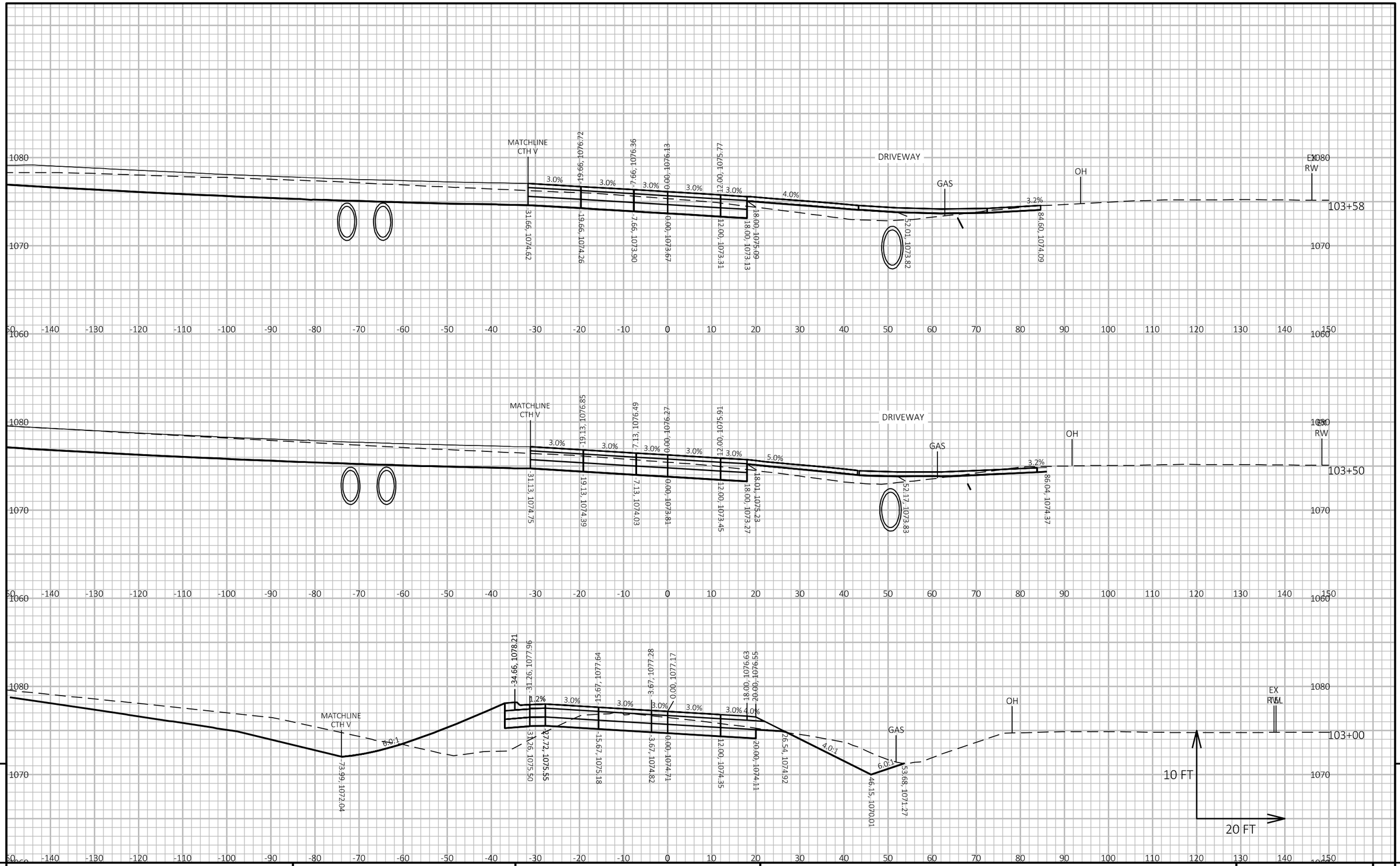
PLOT DATE : 9/27/2022 11:13 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

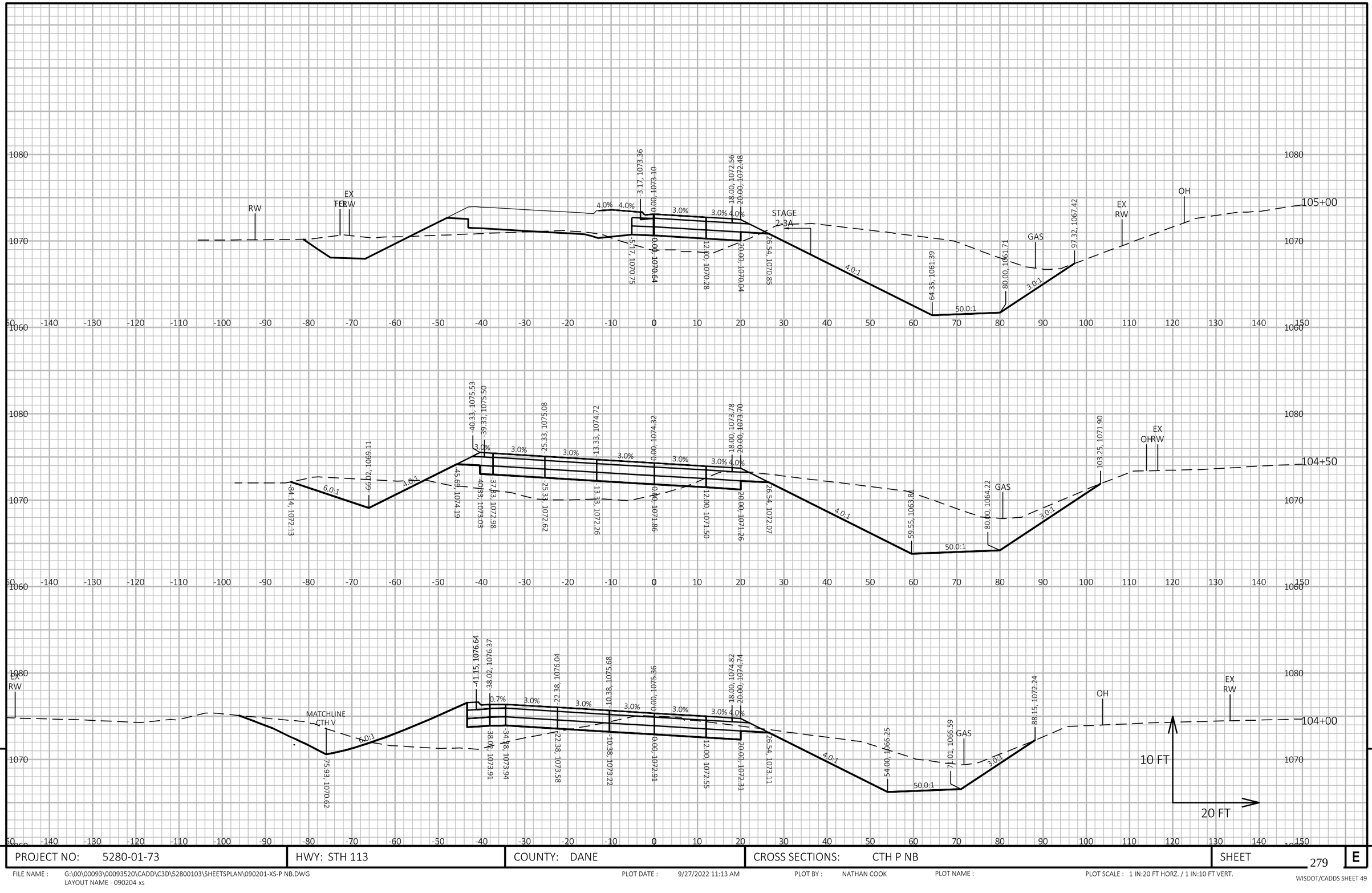


PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 278 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 9/27/2022 11:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 279 E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 9/27/2022 11:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

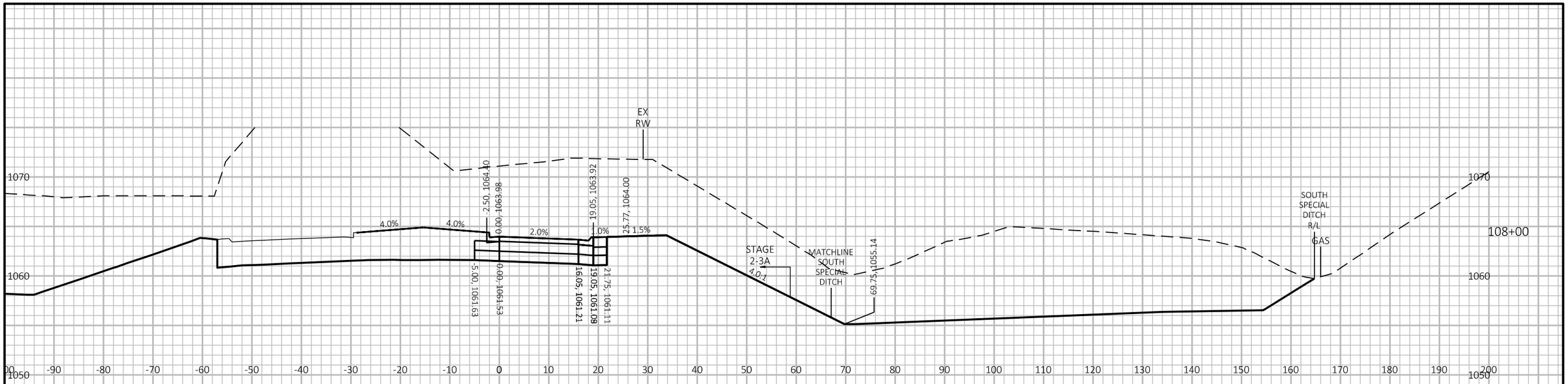
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 280	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 9/27/2022 11:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 281	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 9/27/2022 11:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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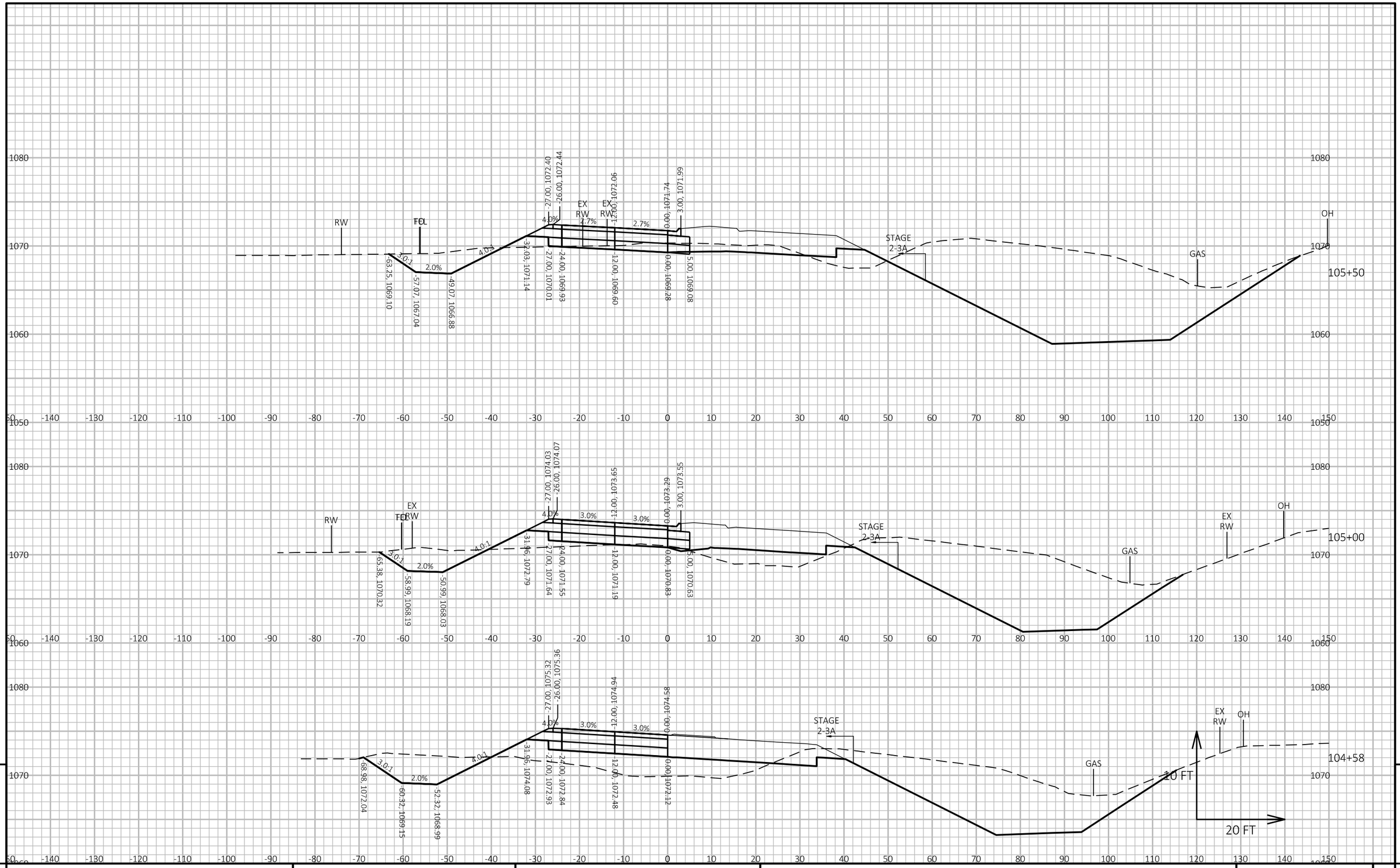
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P NB	SHEET 282	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P NB.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 9/27/2022 11:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P SB	SHEET 283	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P SB.DWG
LAYOUT NAME - 090223-xs

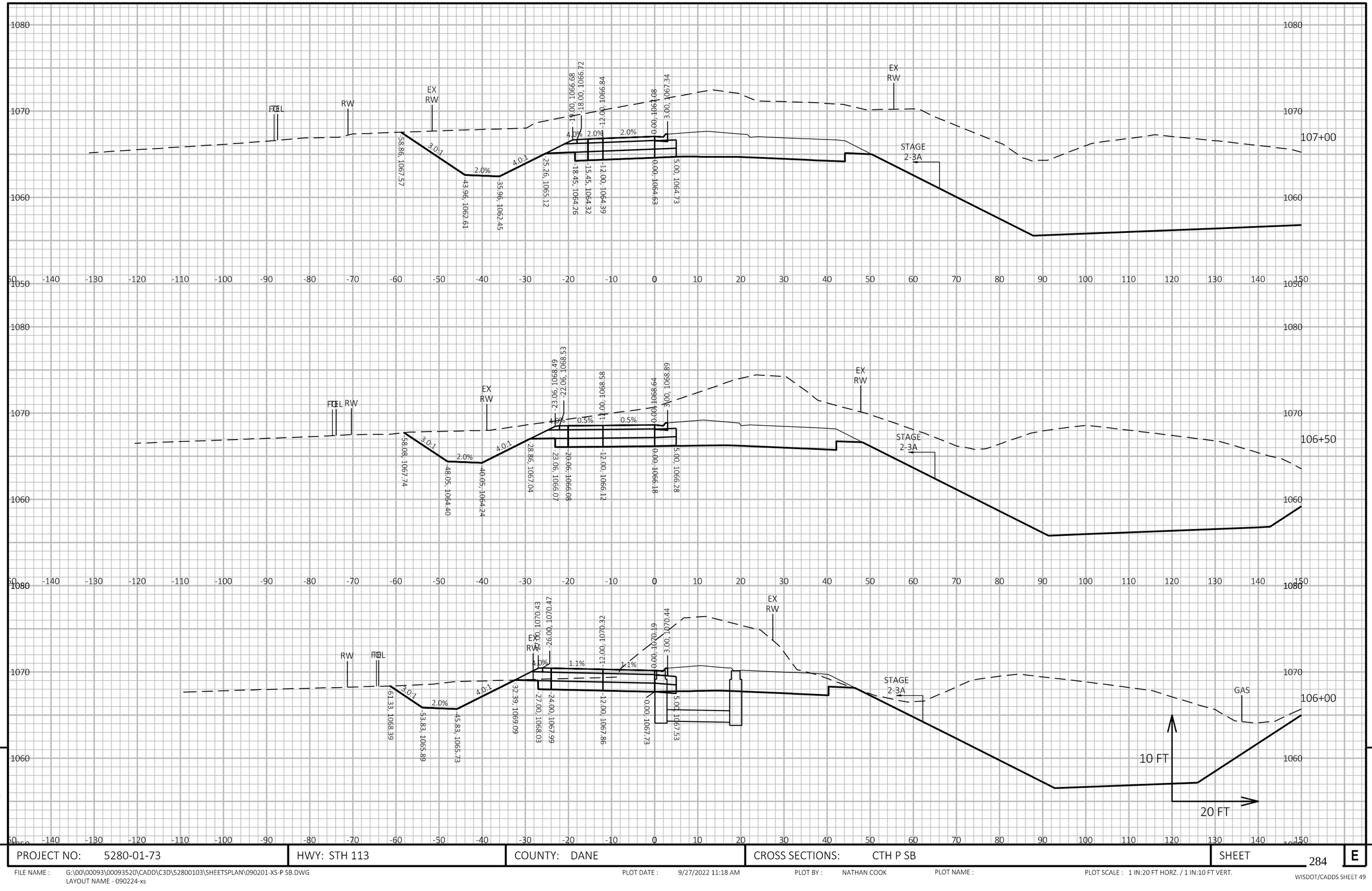
PLOT DATE : 9/27/2022 11:18 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

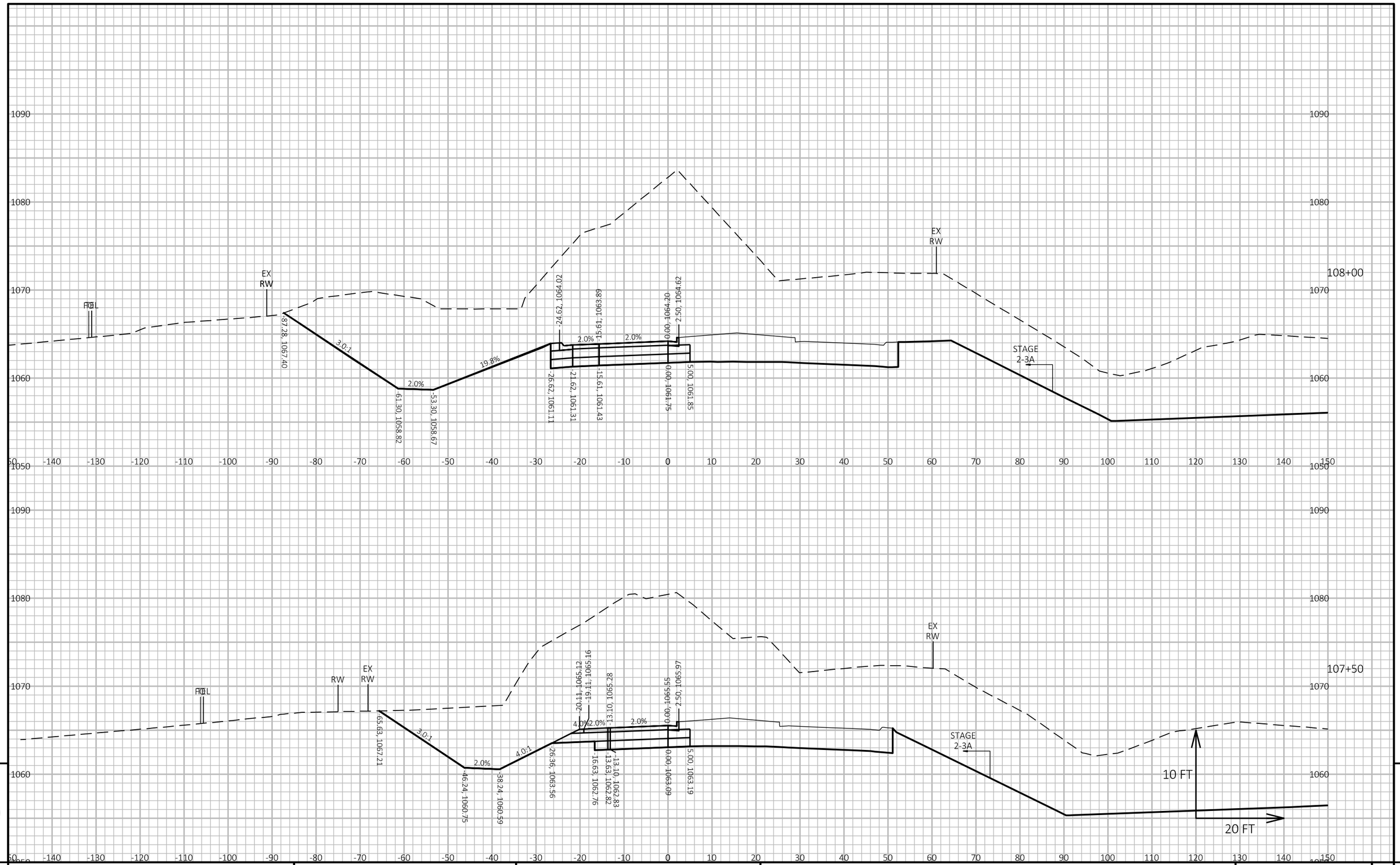
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P SB	SHEET 284	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P SB.DWG
LAYOUT NAME - 090224-xs

PLOT DATE : 9/27/2022 11:18 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P SB	SHEET 285	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P SB.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 9/27/2022 11:18 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

ROUNDABOUT
STA. 109+10.95'PSB'

EX RW

OH

109+11

109+00

108+50

3.0:1

6.0:1

1.5%

2.0%

-137.38, 1065.92
-102.91, 1054.54
-88.91, 1054.26
-33.55, 1062.03
-28.98, 1061.96
-30.98, 1059.04
-25.98, 1059.24
0.00, 1062.08
0.00, 1059.62

-135.55, 1065.85
-101.22, 1054.62
-87.22, 1054.34
-32.00, 1062.09
-27.44, 1062.02
-29.44, 1059.11
-24.44, 1059.31
0.00, 1062.26

-119.43, 1066.40
-89.72, 1056.69
-75.72, 1056.32
-26.59, 1063.05
-22.06, 1062.98
-24.06, 1060.07
-19.06, 1060.27
0.00, 1063.11
0.00, 1060.65
2.50, 1063.53
5.00, 1060.75

STAGE 2-3A
10 FT
20 FT

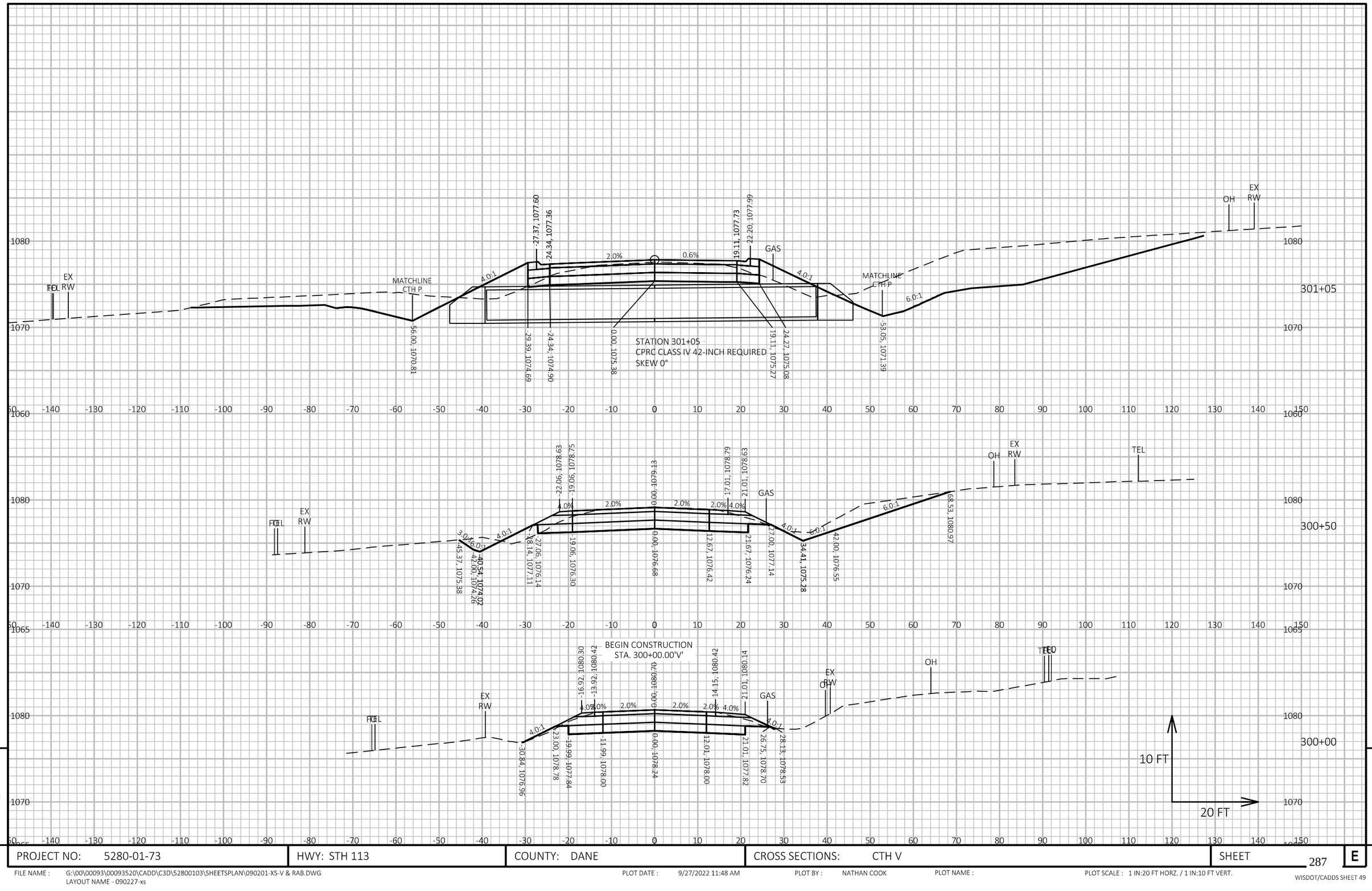
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH P SB	SHEET 286	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-P SB.DWG
LAYOUT NAME - 090226-xs

PLOT DATE : 9/27/2022 11:18 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

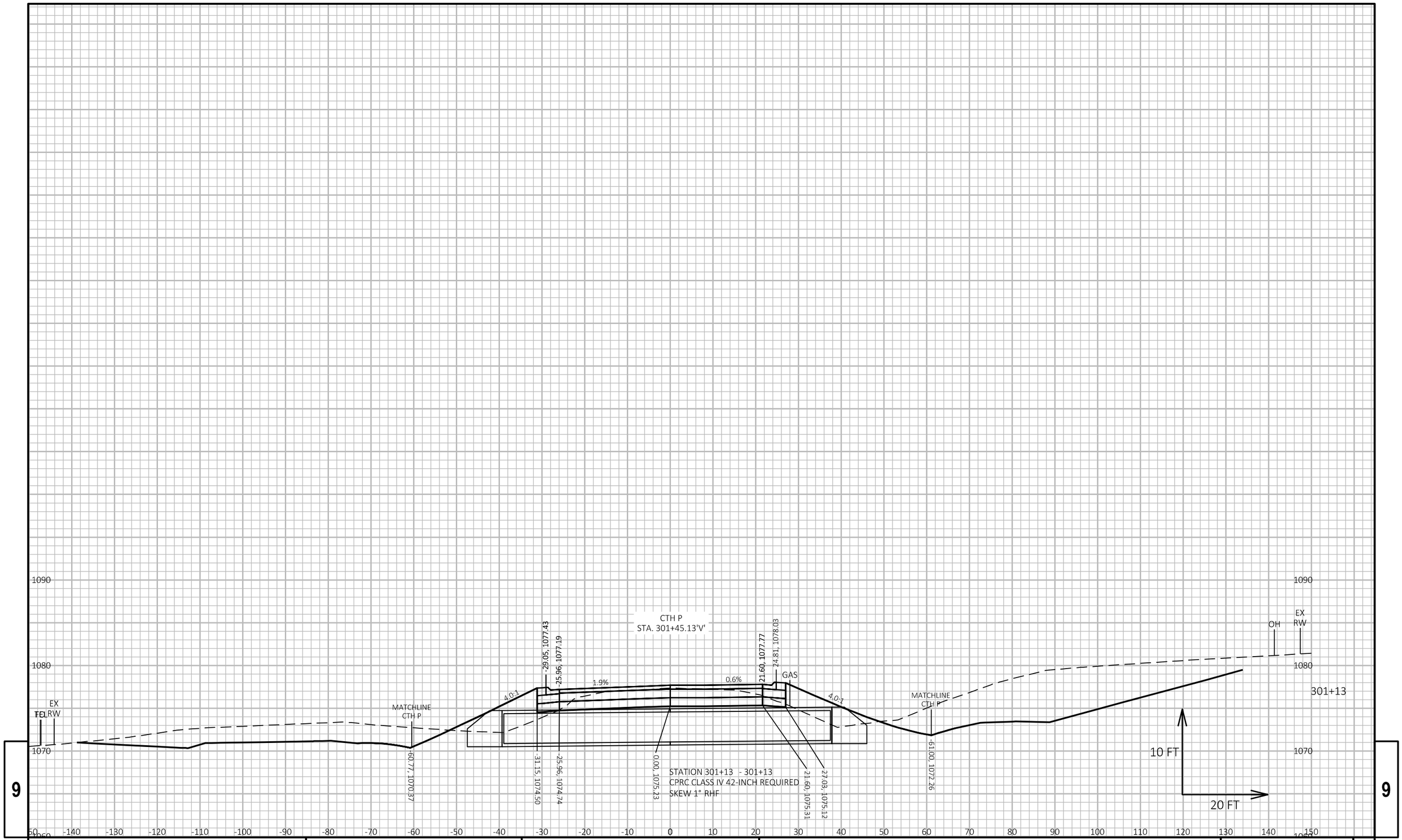
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH V	SHEET 287	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090227-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



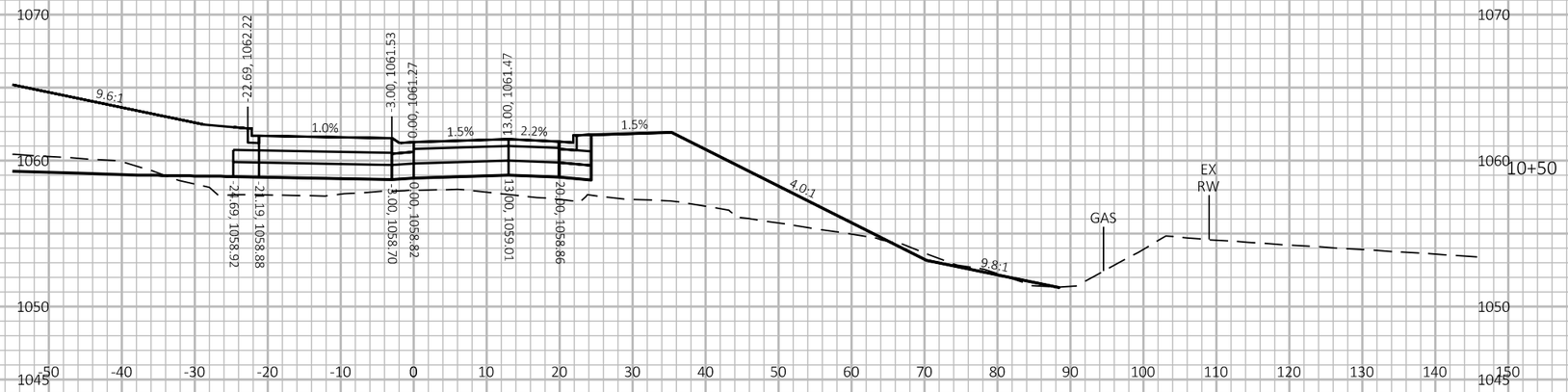
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: CTH V	SHEET 288	E

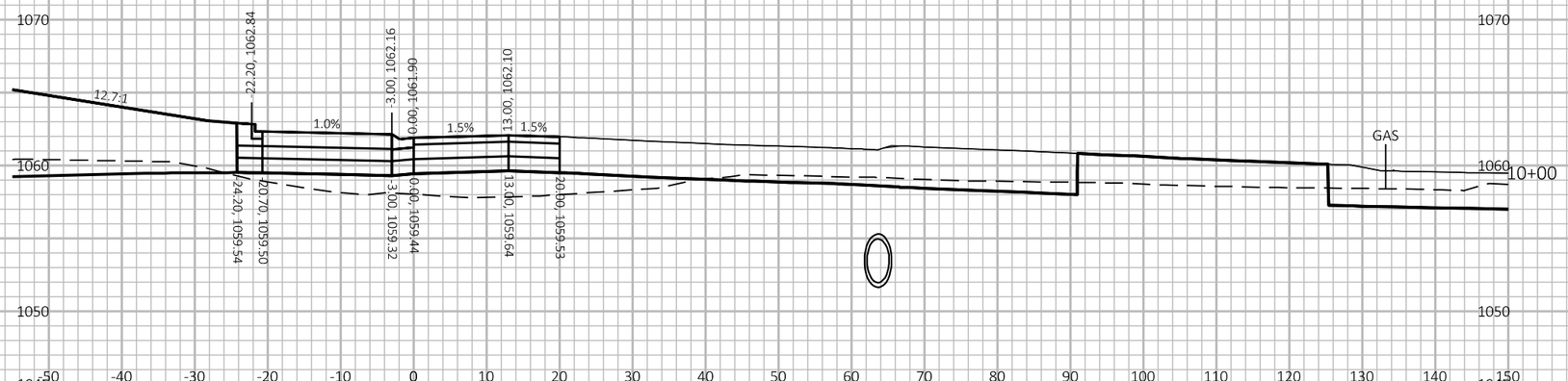
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090228-xs

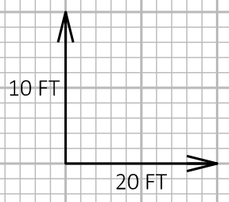
PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: RAB	SHEET 289	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090229-xs

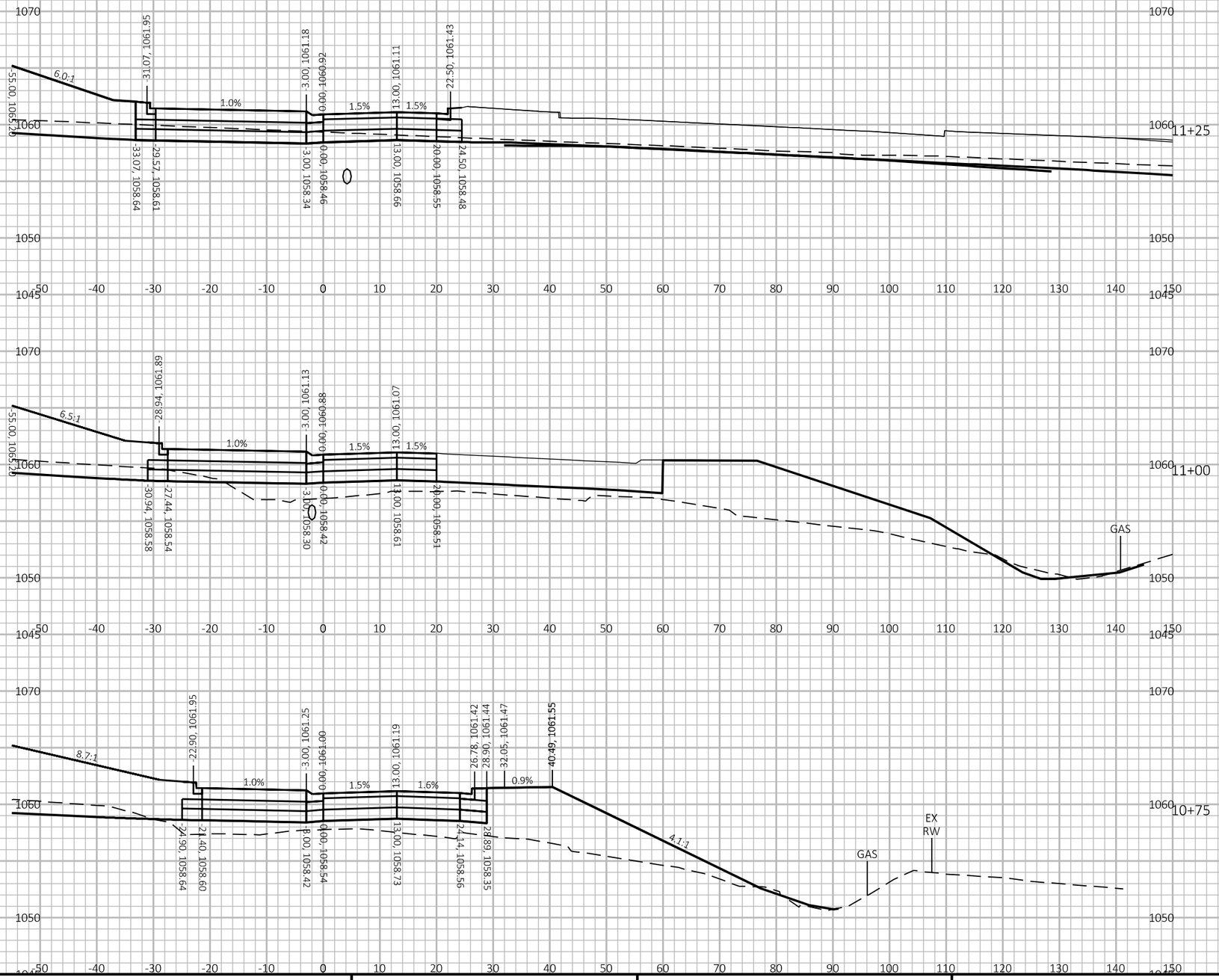
PLOT DATE : 9/27/2022 11:48 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

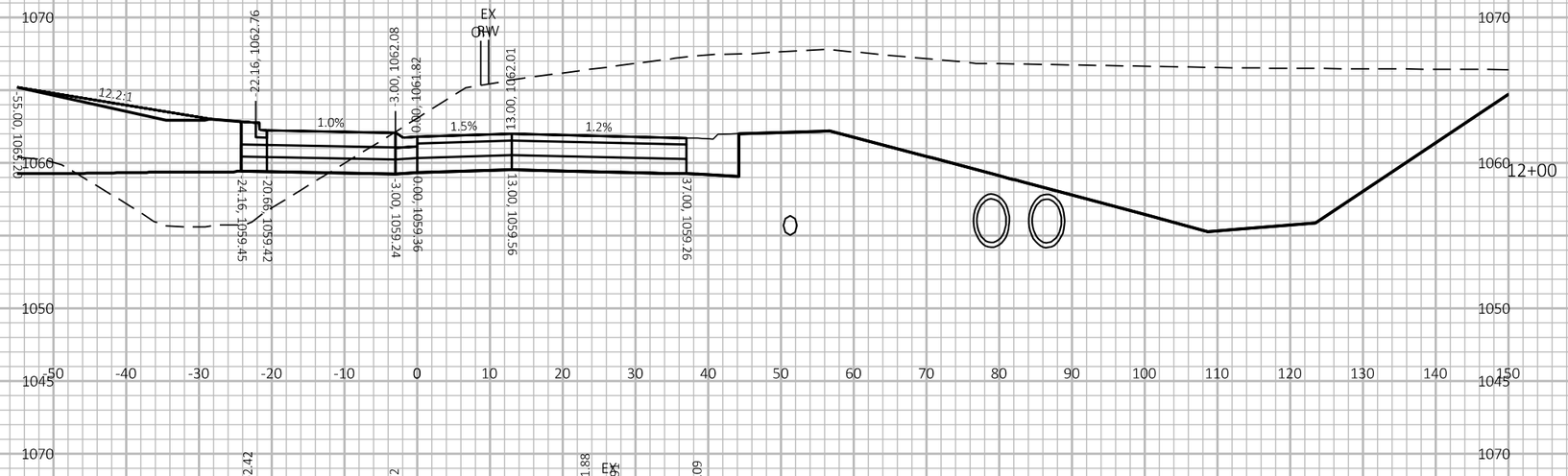
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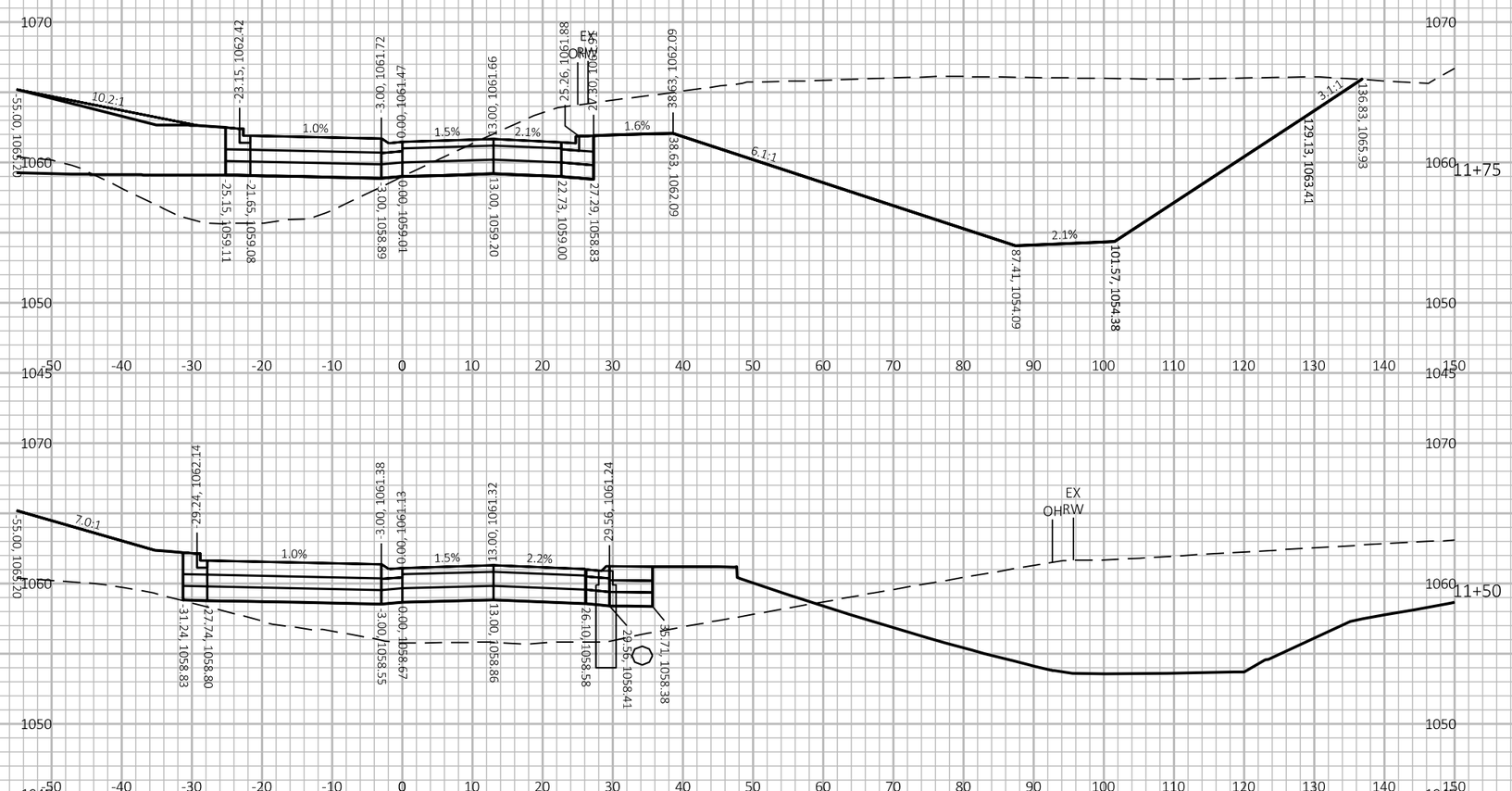
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: RAB	SHEET 290	E

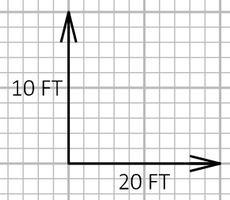
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090230-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

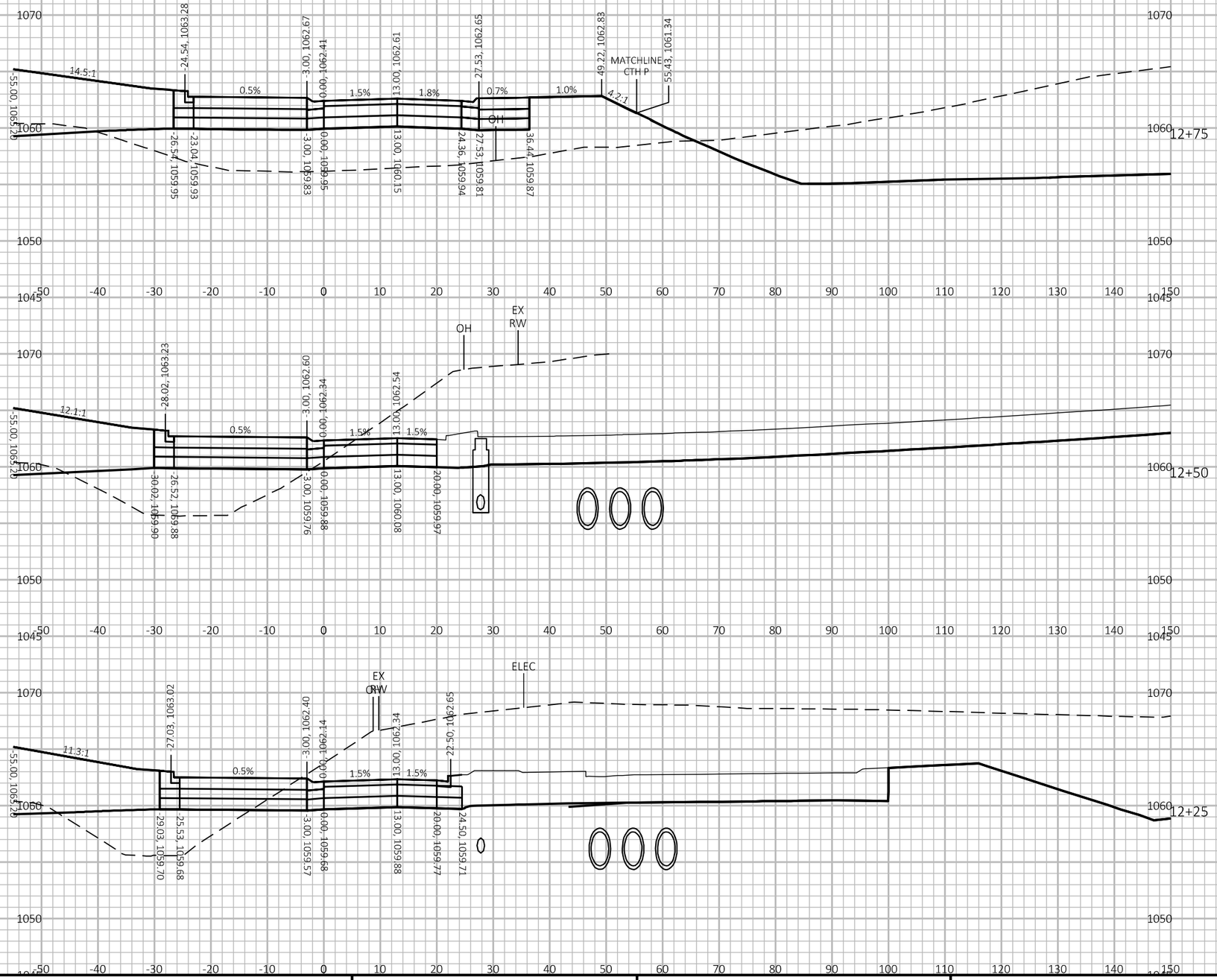
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: RAB	SHEET 291	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



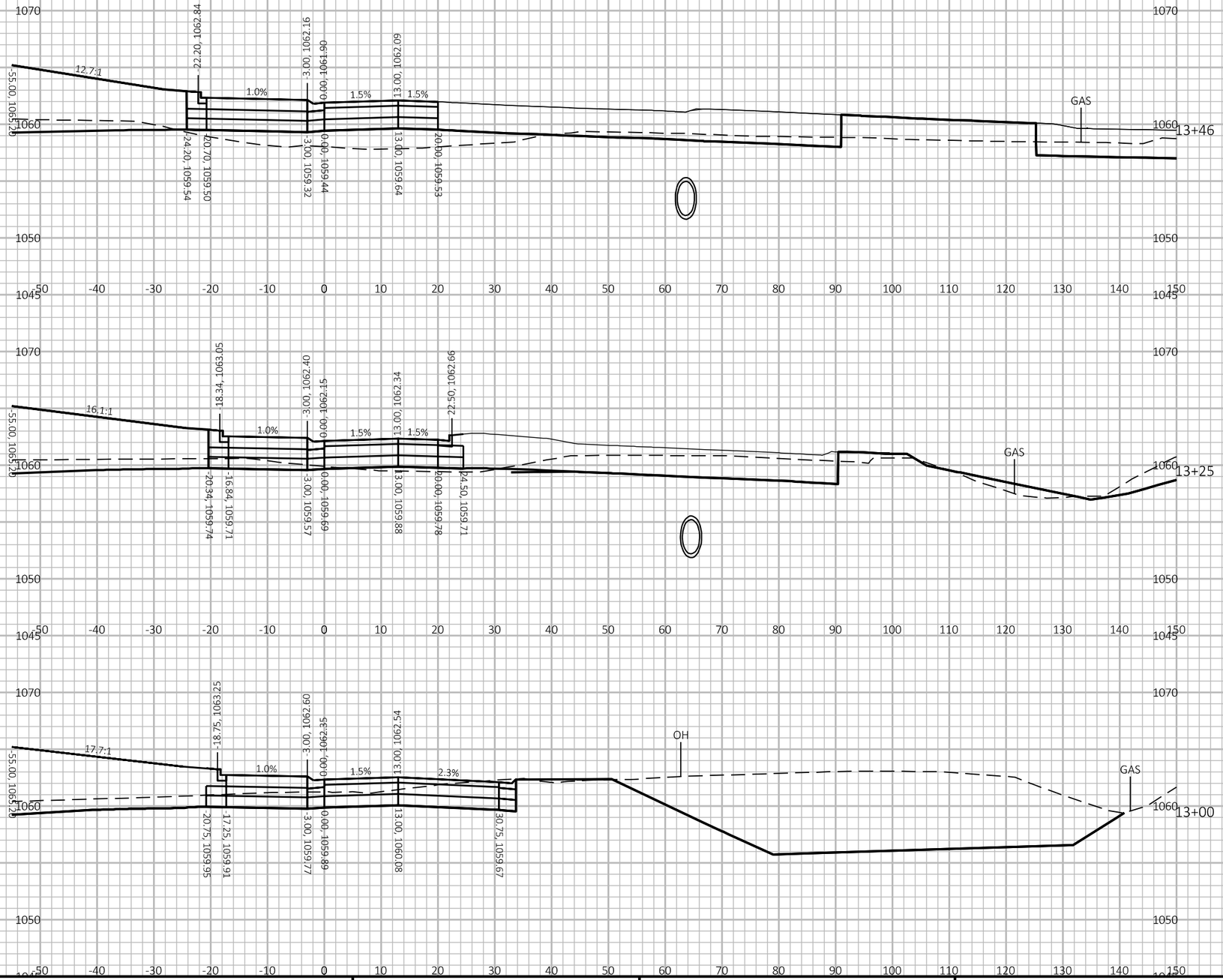
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: RAB	SHEET 292	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



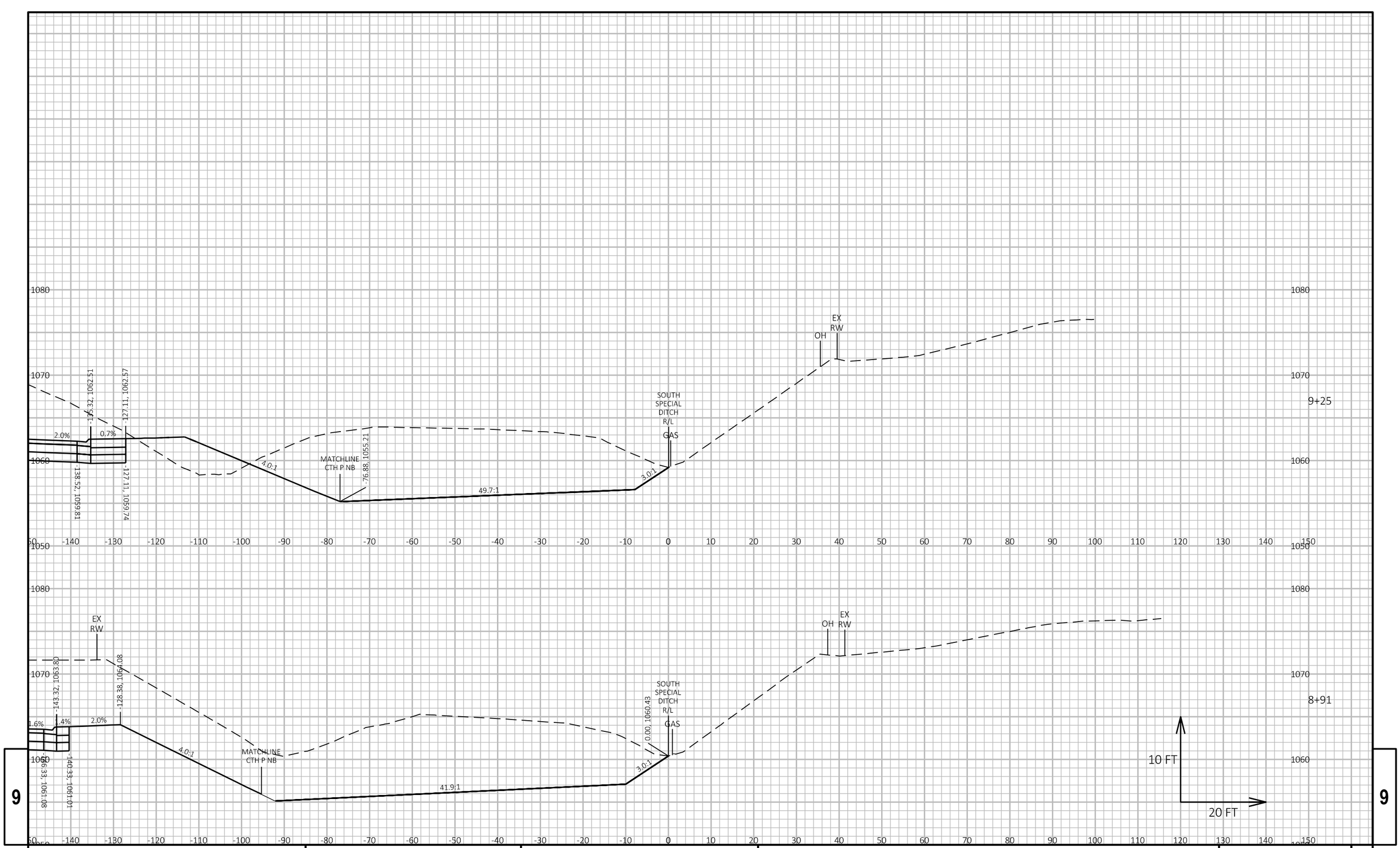
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9

PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: RAB	SHEET 293	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090201-XS-V & RAB.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

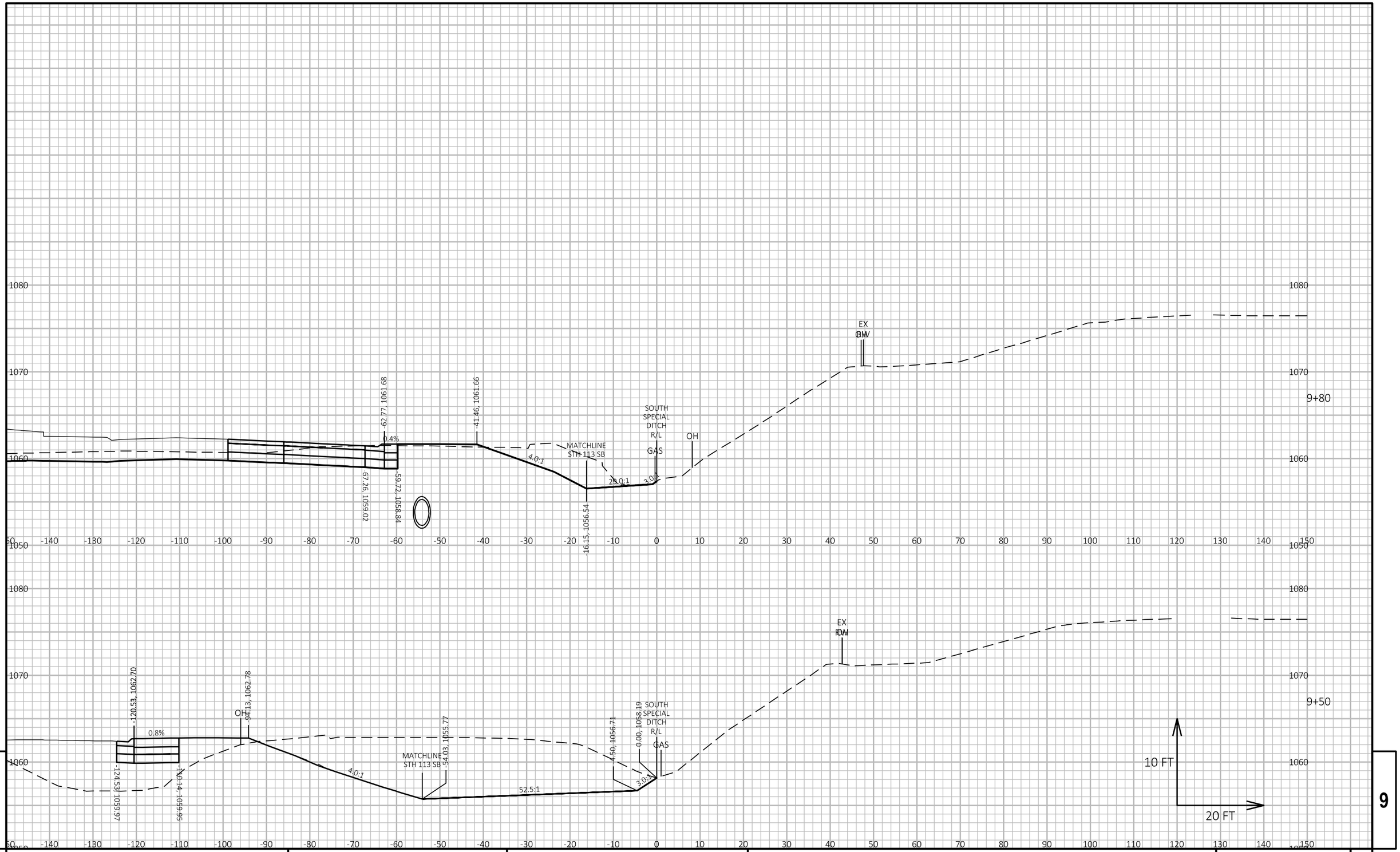
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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: SOUTH SPECIAL DITCH	SHEET 294	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090202-XS-SPECIAL DITCH.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 9/27/2022 11:48 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

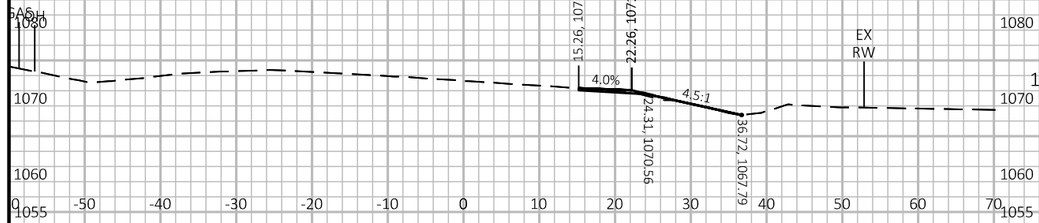


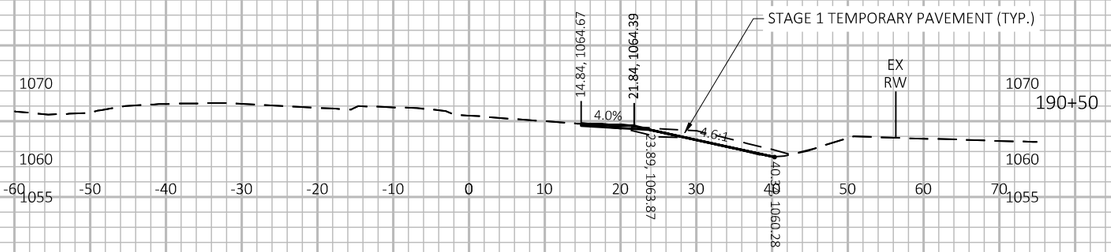
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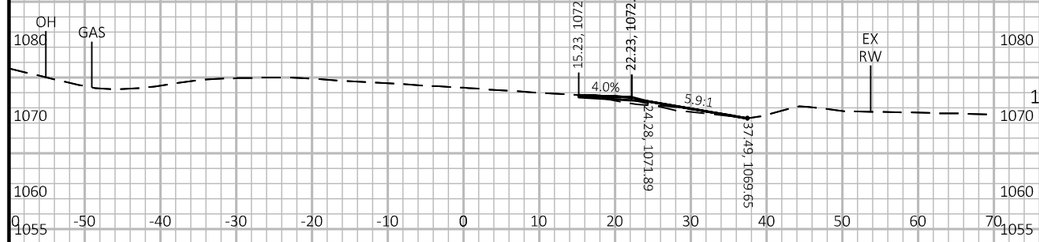
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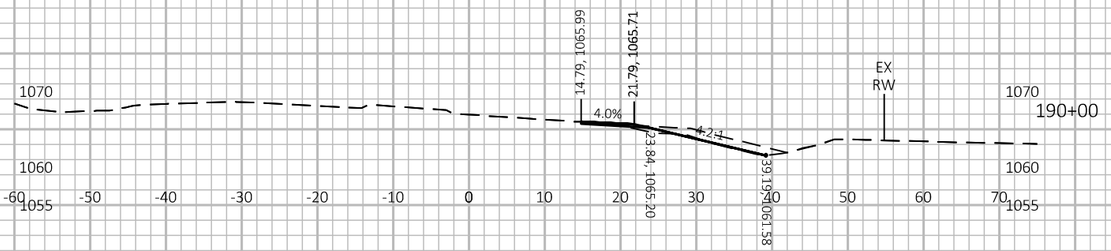
FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\SHEETSPLAN\090202-XS-SPECIAL DITCH.DWG
LAYOUT NAME - 090202-xs

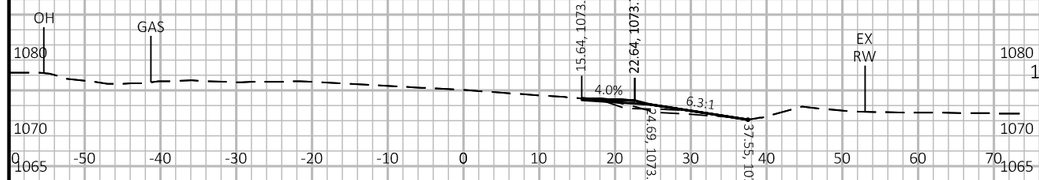
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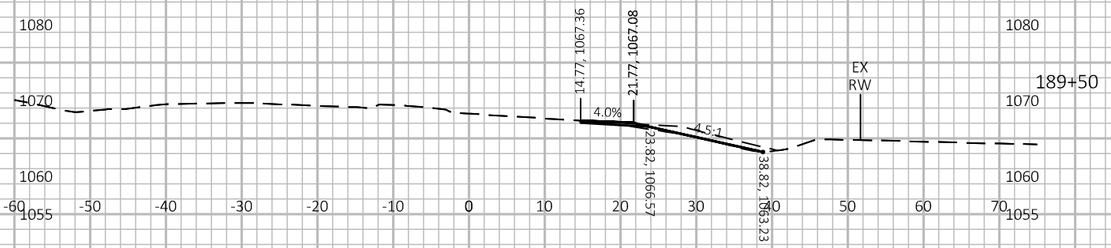


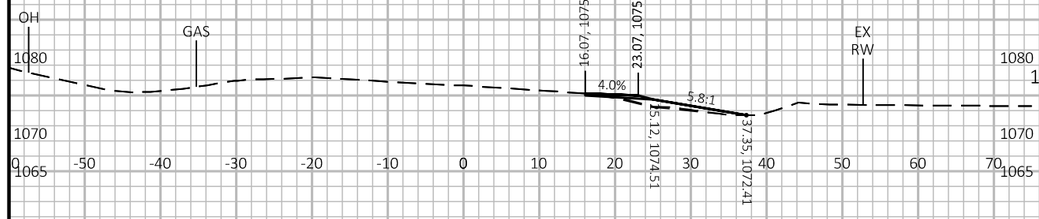


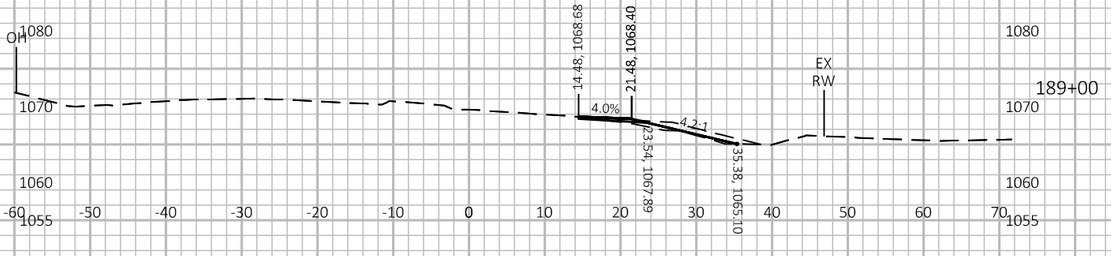


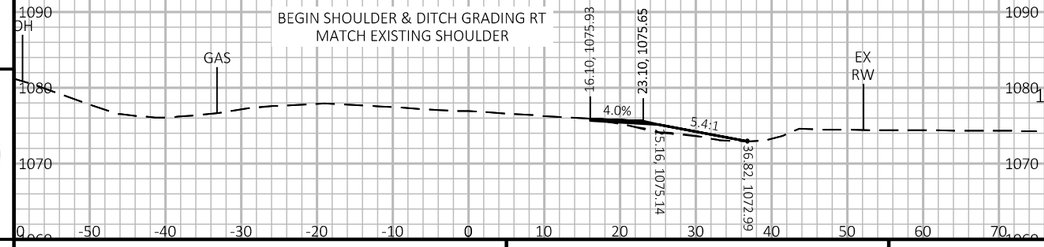


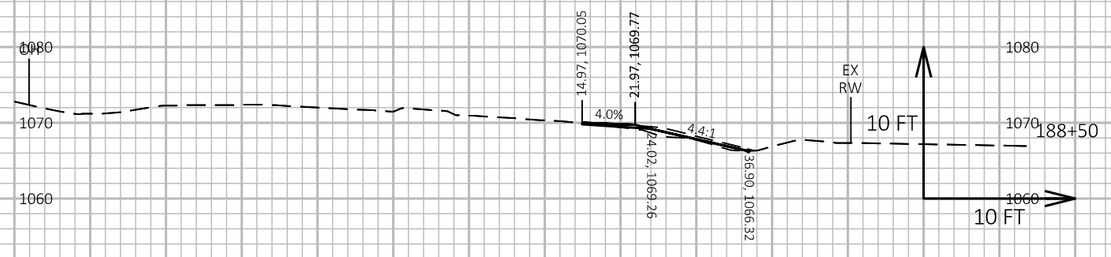










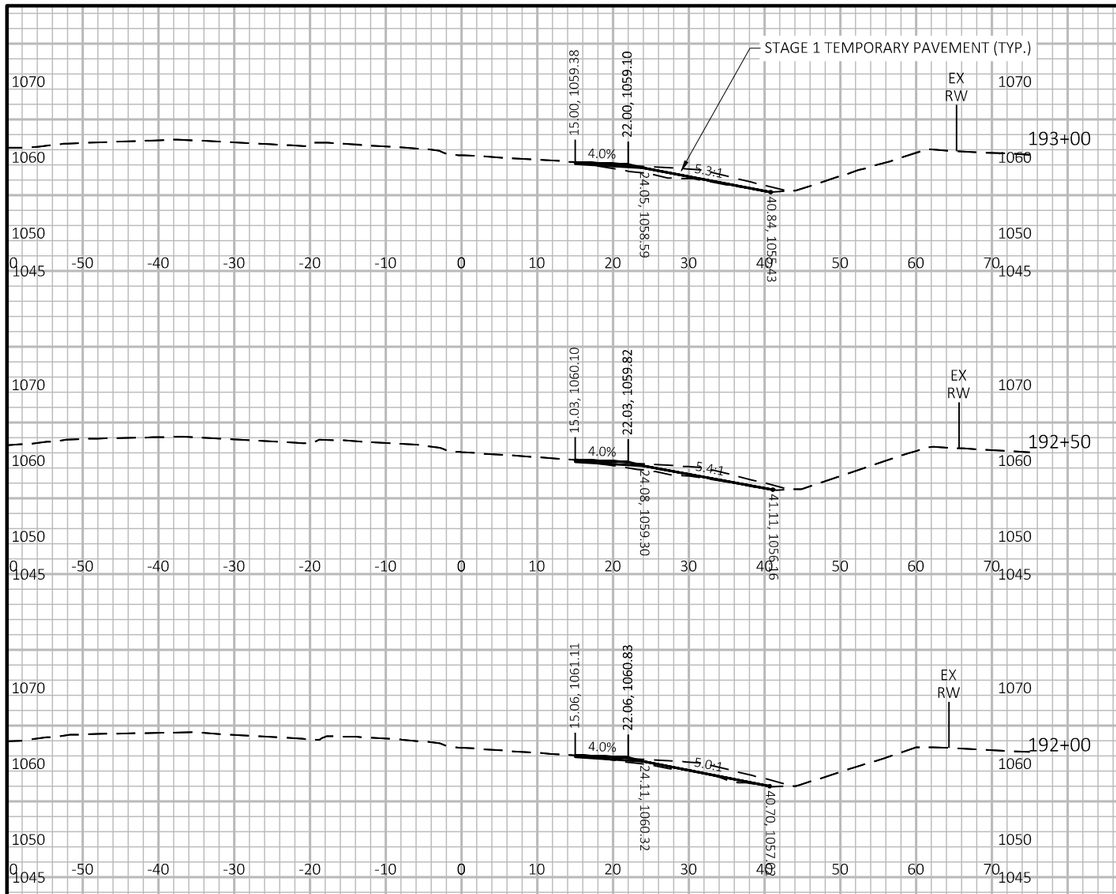


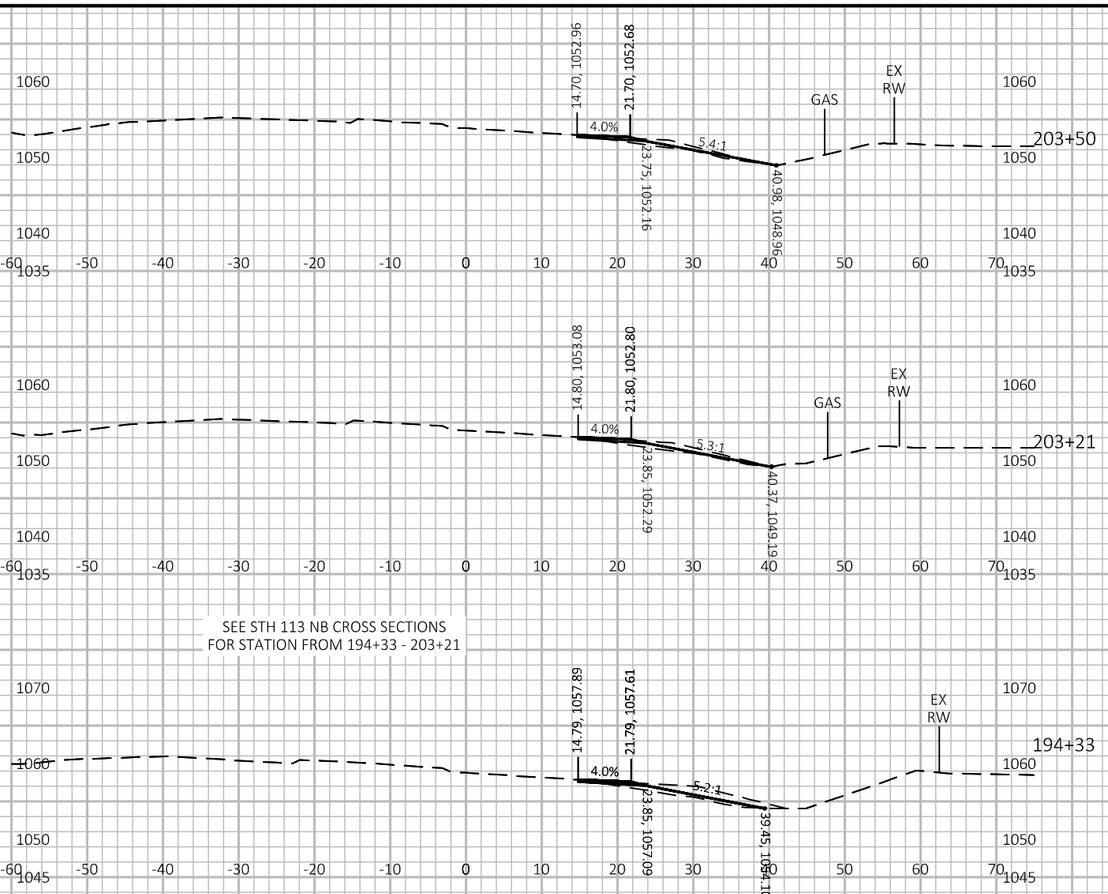
PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SHOULDER & DITCH GRADING	SHEET 296	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-DITCH REGRADING.DWG
LAYOUT NAME - 090201-xs

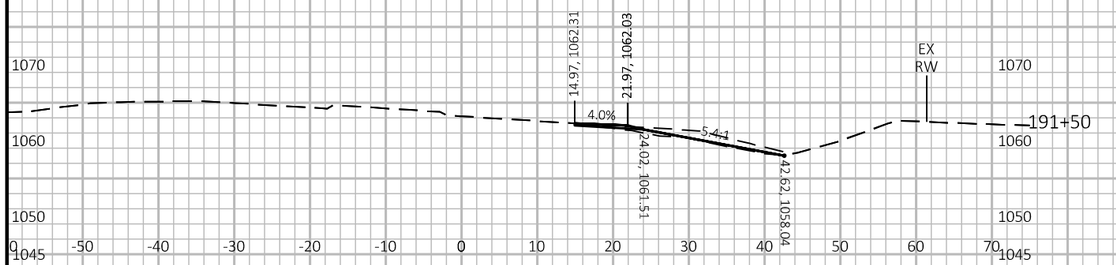
PLOT DATE : 6/23/2022 7:13 AM PLOT BY : NATHAN COOK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

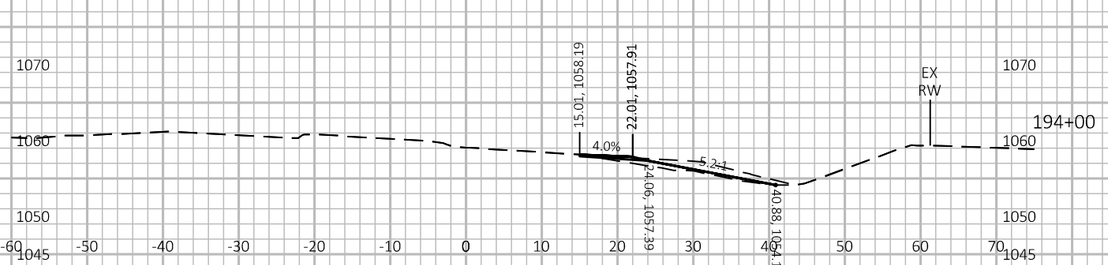
WISDOT/CADDS SHEET 49

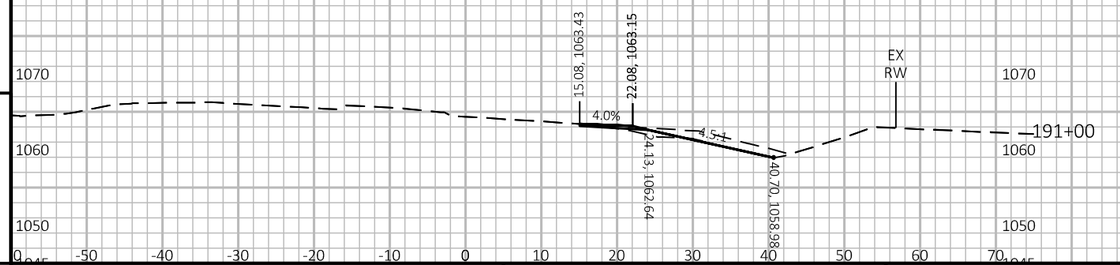


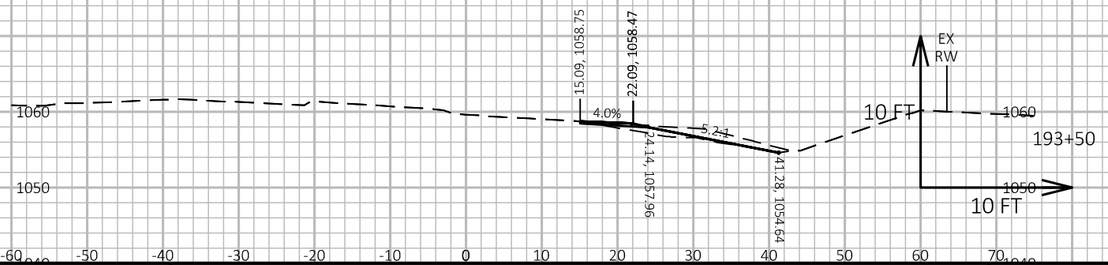


SEE STH 113 NB CROSS SECTIONS
FOR STATION FROM 194+33 - 203+21









9

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PROJECT NO: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SHOULDER & DITCH GRADING	SHEET 297	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-DITCH REGRADING.DWG
LAYOUT NAME - 090202-xs

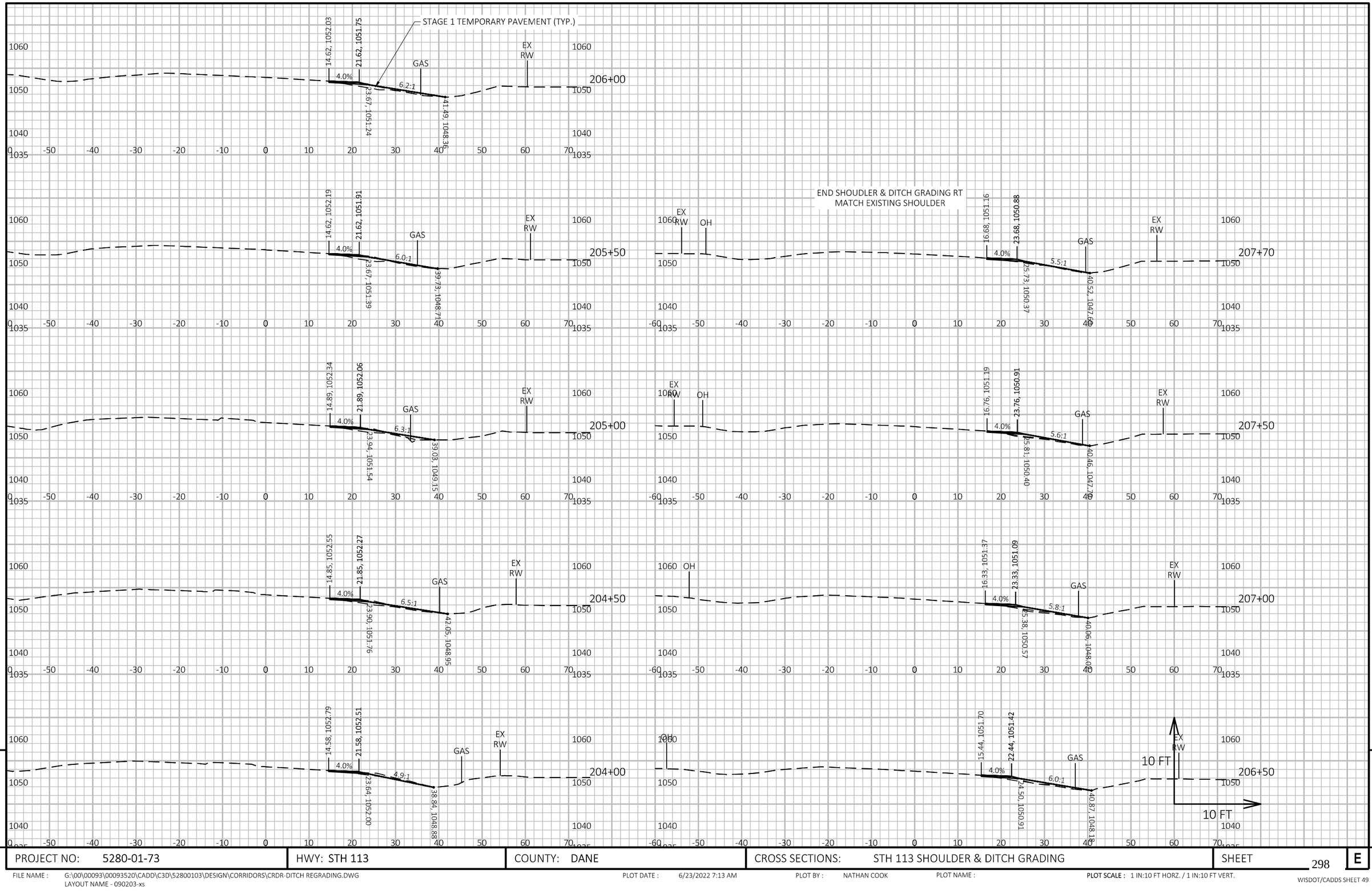
PLOT DATE : 6/23/2022 7:13 AM

PLOT BY : NATHAN COOK

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: 5280-01-73	HWY: STH 113	COUNTY: DANE	CROSS SECTIONS: STH 113 SHOULDER & DITCH GRADING	SHEET 298	E

FILE NAME : G:\00\00093\00093520\CADD\C3D\52800103\DESIGN\CORRIDORS\CRDR-DITCH REGRADING.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 6/23/2022 7:13 AM

PLOT BY : NATHAN COOK

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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