MAD

Dec 13, 2022

PROJECT ID: 5410-00-74

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 406

N

DESIGN DESIGNATION 5410-00-04

A.A.D.T.	(2023)	=	29,800
A.A.D.T.	(2043)	=	34,300
D.H.V.		=	3,700
D.D.		=	59/41
T.		=	12.0%
DESIGN SPEED		=	40/50
ESALS		=	6,800,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300FT)
- 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MADISON - DEFOREST

(USH 151 TO PIERSTORFF STREET)

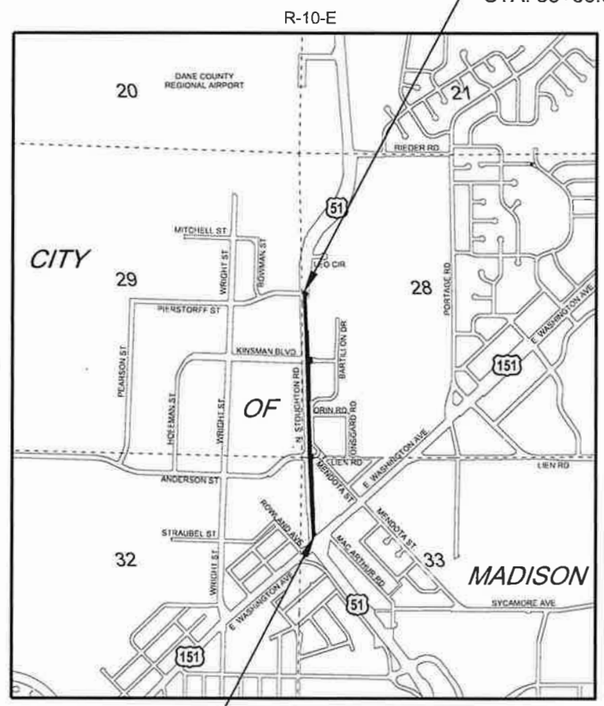
USH 51

DANE COUNTY

STATE PROJECT NUMBER
5410-00-74

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5410-00-74	WISC 2023089	1

END PROJECT 5410-00-74
STA. 53+66.80



BEGIN PROJECT 5410-00-74
STA. 10+41.77
Y = 498,292.04
X = 837,071.16

LAYOUT
SCALE 0 0.5 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.819 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD (2012).

ORIGINAL PLANS PREPARED BY

MSA

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

WISCONSIN
CHAD D. WAGNER
E-45546
MADISON
WI
PROFESSIONAL ENGINEER

DATE: 7-18-22 (Professional Engineer)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	AMY COUGHLIN
Regional Examiner	SW REGION
Regional Supervisor	ALEX HAGEN

APPROVED FOR THE DEPARTMENT
DATE: 7/20/2022 Amy Coughlin (Signature)

E

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 AREA THAT ARE NOT SHOWN.

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF THE STATION SECTION. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

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

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER, OR AS SHOWN ON THE PLANS.

PROOF ROLLING OF SUBBASE IS REQUIRED BEFORE PLACEMENT OF BASE AGGREGATE & IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

THE REMOVAL OF CONCRETE SAFETY ISLAND SHALL BE PAID FOR AS REMOVING CONCRETE PAVEMENT.

THE REMOVAL OF CONCRETE DRIVEWAY APRONS SHALL BE PAID FOR AS REMOVING CONCRETE SIDEWALK.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

DRIVEWAYS SHALL BE REPLACED IN KIND.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FACE OF CURB.

THE CLEAR ZONE BEHIND CURB AND GUTTER IS 2 FEET FROM THE FACE OF THE CURB.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY WILL BE COVERED WITH TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT, UNLESS OTHERWISE SHOWN IN PLANS, AS DIRECTED BY THE ENGINEER.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM AMY COUGHLIN AT THE WISCONSIN DEPARTMENT OF TRANSPORTATION (PHONE: 608-245-5358).

SECTION 2 ORDER OF SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. TYPICAL SECTIONS
4. CONSTRUCTION DETAILS
5. PAVING DETAILS
6. CURB RAMP DETAILS
7. EROSION CONTROL
8. STORM SEWER
9. TEMPORARY TRAFFIC SIGNAL PLAN
10. TRAFFIC SIGNAL PLAN
11. PAVEMENT MARKINGS AND PERMANENT SIGNING
12. ADVANCED WARNING SIGNING
13. TRAFFIC CONTROL
14. PEDESTRIAN ACCESS
15. ALIGNMENT OVERVIEW
16. CONTROL POINTS

SOILS REPORT SUMMARY TABLE

Boring	STA	Offset	PCC Inches	Base Inches	Below PCC and Base
1	47+00	6' R	7	0	4.25-ft Sand, some gravel
2	40+50	6' L	7	13	2-ft sand over 1.5-ft silt
3	36+00	6' R	6.5	12.5	3.5-ft sand, some gravel
4	30+00	6' L	7	10	3.0-ft. sand over 0.5-ft clay
5	23+40	18' R (In right turn lane)	7	13	3.3-ft sand some gravel

Note:
1. Project limits were Anderson Street to Pierstorff Street
2. All borings drilled to depths of 5-ft.

STANDARD ABBREVIATIONS

AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
C/L	CENTERLINE
△	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
HYD	HYDRANT
IN	INCH
INL	INLET
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LP	LOW POINT
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
SAN	SANITARY SEWER
S	SOUTH
SB	SOUTHBOUND
SL	SPECIAL LOGO
SQ	SQUARE
STD	STANDARD
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
ST	STREET
STA	STATION
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP	TYPICAL
UD	UNDERDRAIN
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

DESIGN CONTACTS

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WISCONSIN DEPARTMENT OF TRANSPORTATION
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MADISON, WI 53704
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DNR LIAISON

WISCONSIN DEPARTMENT OF
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ATTN: ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
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EMAIL: eric.heggelund@wisconsin.gov

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
MEDIAN STRIP TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25 0.32	0.30 0.40
SIDE SLOPE TURF			0.25			0.27			0.28			0.30 0.38
PAVEMENT:	0.40 - 0.60											
ASPHALT:	0.70 - 0.95											
CONCRETE:	0.80 - 0.95											
BRICK:	0.70 - 0.80											
DRIVES, WALKS:	0.75 - 0.85											
ROOFS:	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS	0.40 - 0.60											

UTILITIES

AT&T LEGACY (TELECOMMUNCIATIONS)
ATTN: KENNETH NINE
110 N. MAIN STREET
CULVER, IN 46511
PHONE: (574) 842-8830
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EMAIL: michael.sweet@tdstelecom.com

WISCONSIN INDEPENDENT NETWORK, LLC (TELECOMMUNICATIONS)
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800 WISCONSIN AVENUE, SUITE 219
EAU CLAIRE, WI 54703
PHONE: (715) 838-4406
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ATTN: LORI KETTER
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GREEN BAY, WI 54302
PHONE: (414) 274-9215
EMAIL: lori.ketter@windstream.com

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2

2

WRIGHT STREET

WRIGHT STREET

WRIGHT STREET

WRIGHT STREET

BOWMAN STREET

REINDAHL AVENUE

GRACELAND AVENUE

STRAUBEL STREET

ANDERSON STREET

KINSMAN BOULEVARD

PIERSTORFF STREET

151

RIDGEWAY AVENUE

EAST WASHINGTON AVENUE

ROWLAND AVENUE

BEGIN PROJECT 5410-00-74
STA. 10+41.77

51

N. STOUGHTON ROAD

END PROJECT 5410-00-74
STA. 53+66+.80

10+00 15+00 20+00 25+00 30+00 35+00 40+00 45+00 50+00

51

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

ENVIRONMENTALLY SENSITIVE AREA

PIERSTORFF STREET

KINSMAN BLVD

ORIN ROAD

BARTILLON STREET

N. STOUGHTON ROAD

51

MACARTHUR ROAD

151

MENDOTA STREET

LIEN ROAD

ONSGARD ROAD

RIDGEWAY AVENUE

HOOVER DRIVE

ELLENWOOD DRIVE

DUNCAN DRIVE

MENDOTA STREET

EAST WASHINGTON AVENUE

BARTILLON STREET

N

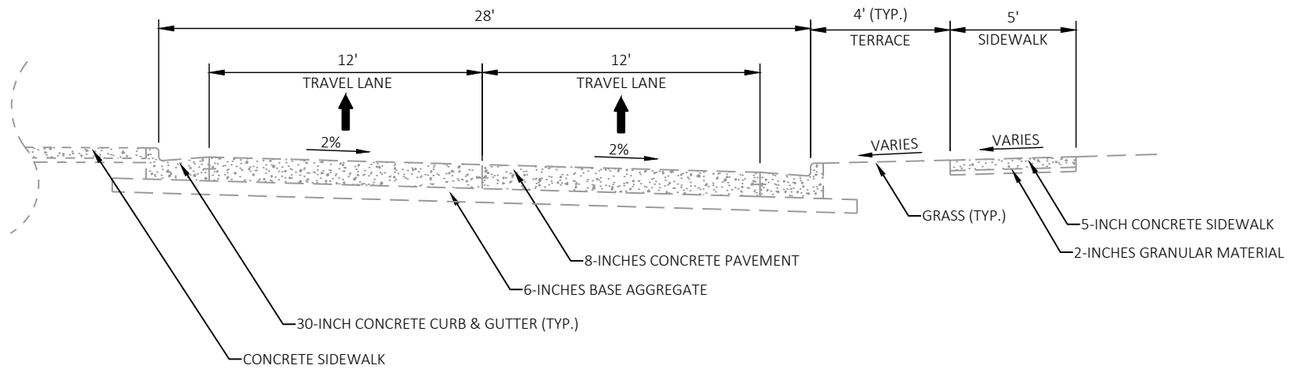
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 7/16/2022 5:13 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:400 FT

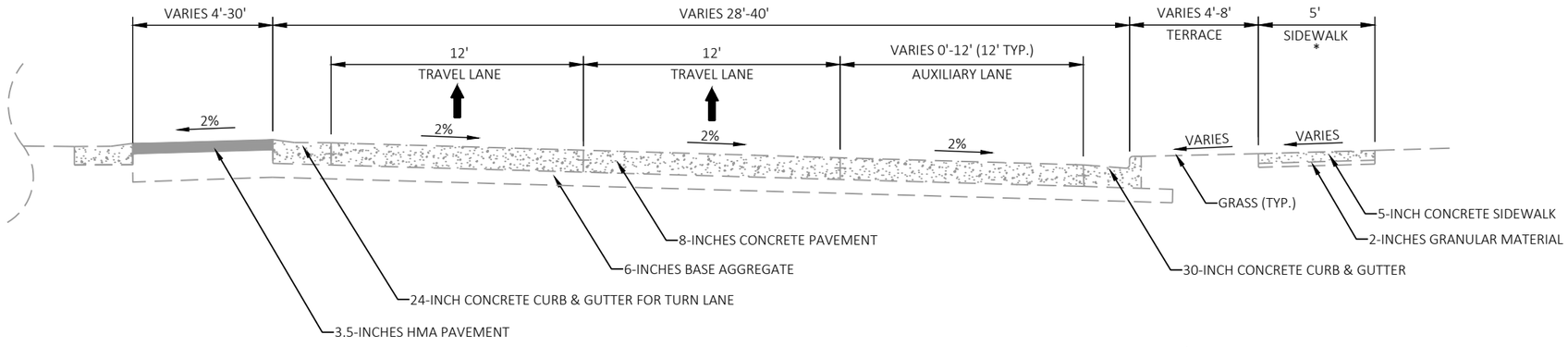
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND LANES

STA. 10+42 TO STA. 14+30



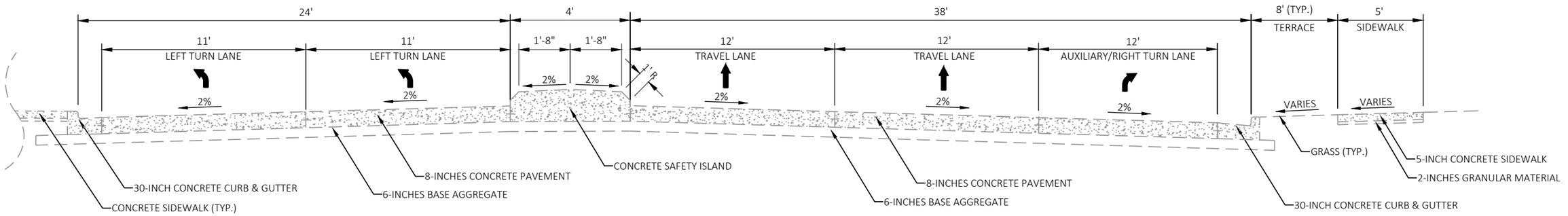
*CONCRETE SIDEWALK FROM STA. 14+30 TO STA. 15+86 & STA. 19+53 TO STA. 19+77

EXISTING TYPICAL SECTION - USH 51 NORTHBOUND LANES

STA. 14+30 TO STA. 19+77

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 4	E

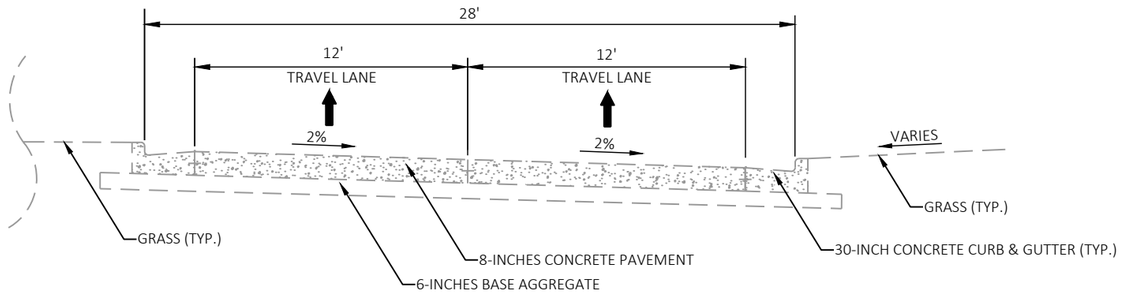
2



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND LANES W/TURN LANES

STA. 19+77 TO STA. 24+50

**SECTION INCLUDES LEFT TURN LANE TAPER

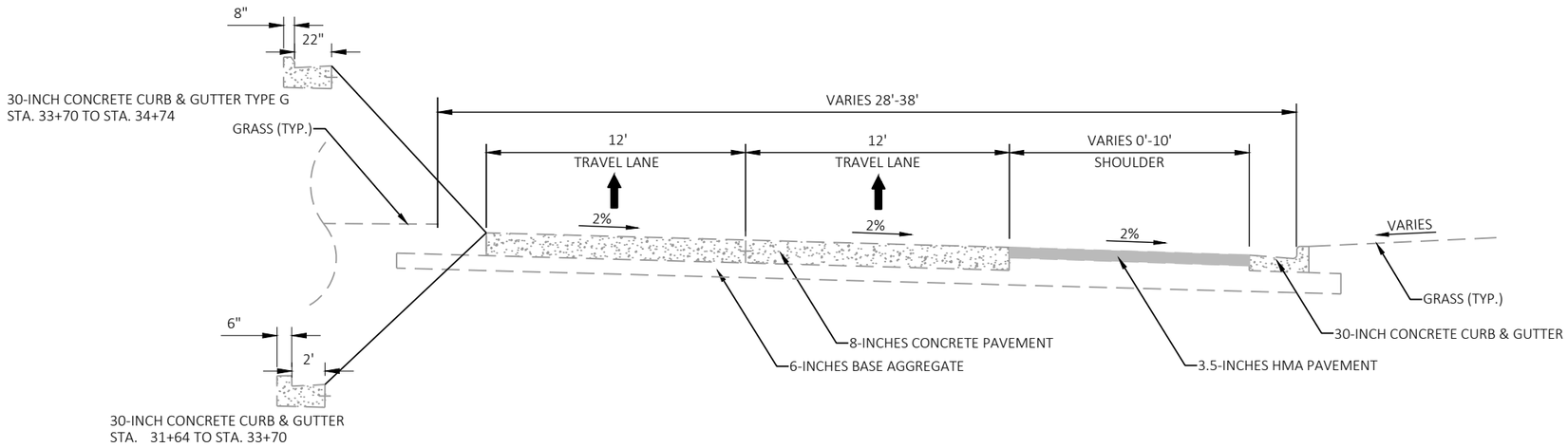


EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

STA. 24+50 TO STA. 31+64

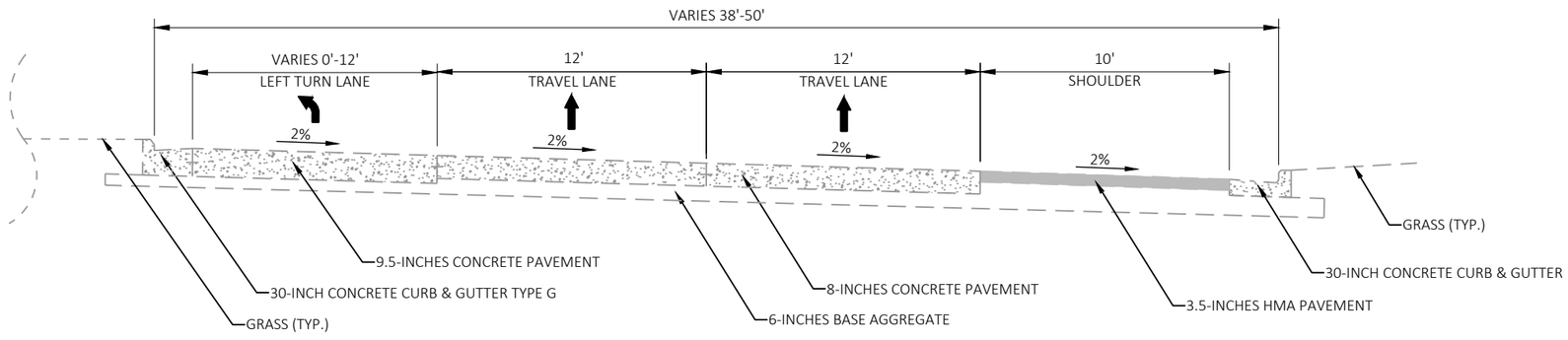
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 5	E

2



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

STA. 31+64 TO STA. 34+74

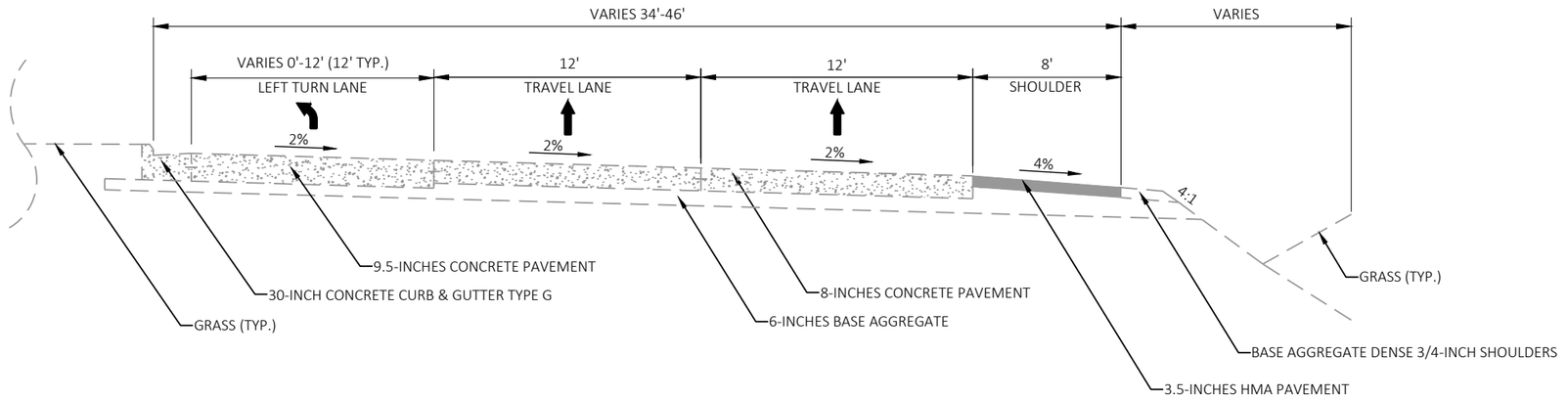


EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

STA. 34+74 TO STA. 35+80

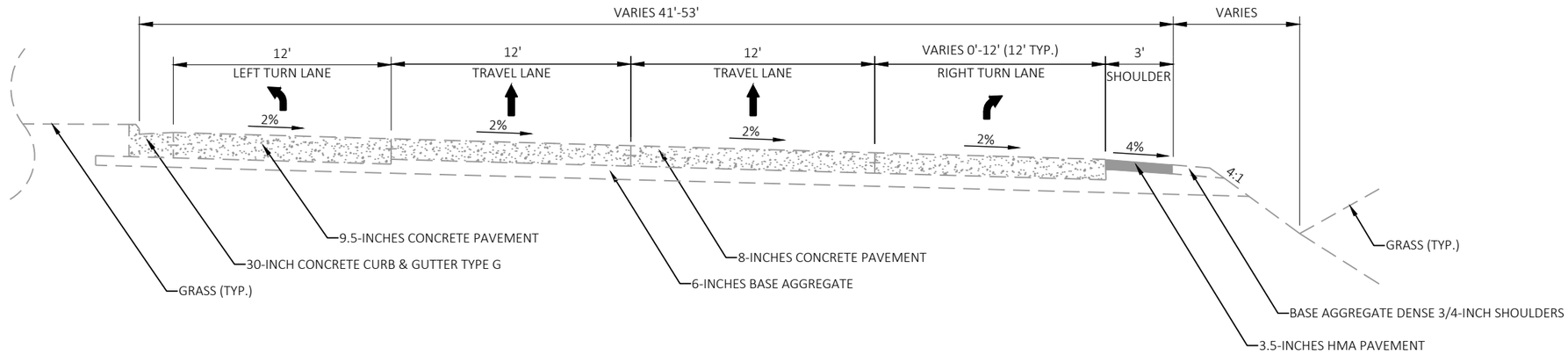
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 6	E

2



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

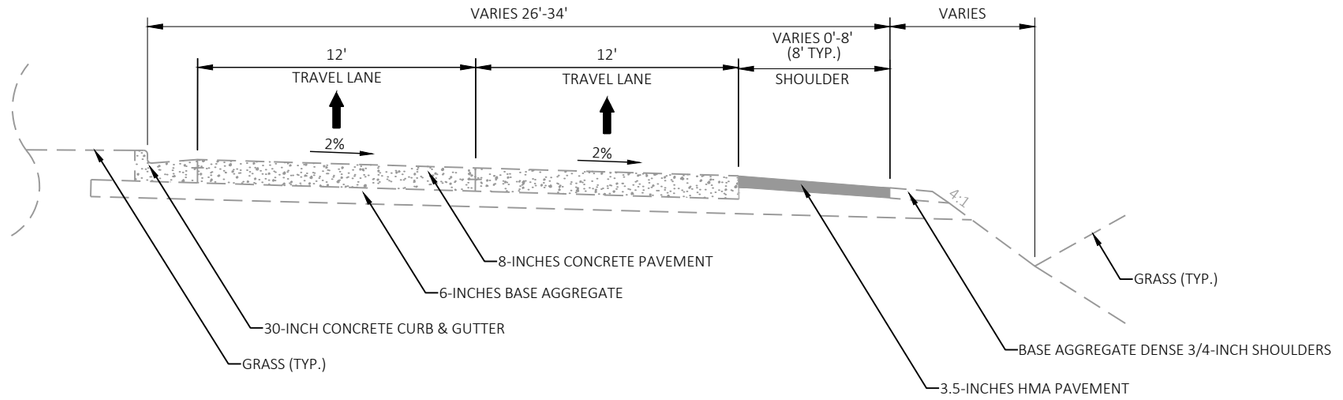
STA. 35+80 TO STA. 38+72



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

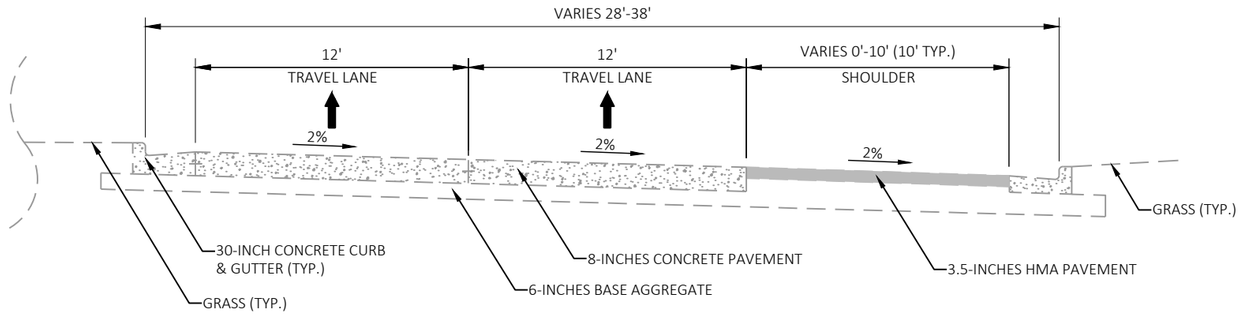
STA. 38+72 TO STA. 41+25

2



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

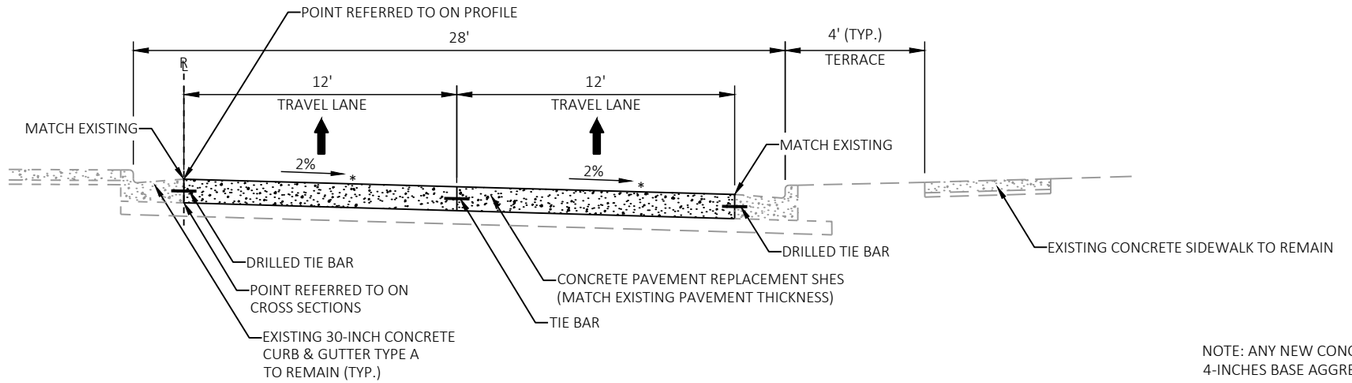
STA. 41+25 TO STA. 46+28



EXISTING TYPICAL SECTION - USH 51 NORTHBOUND

STA. 46+28 TO STA. 53+67

2

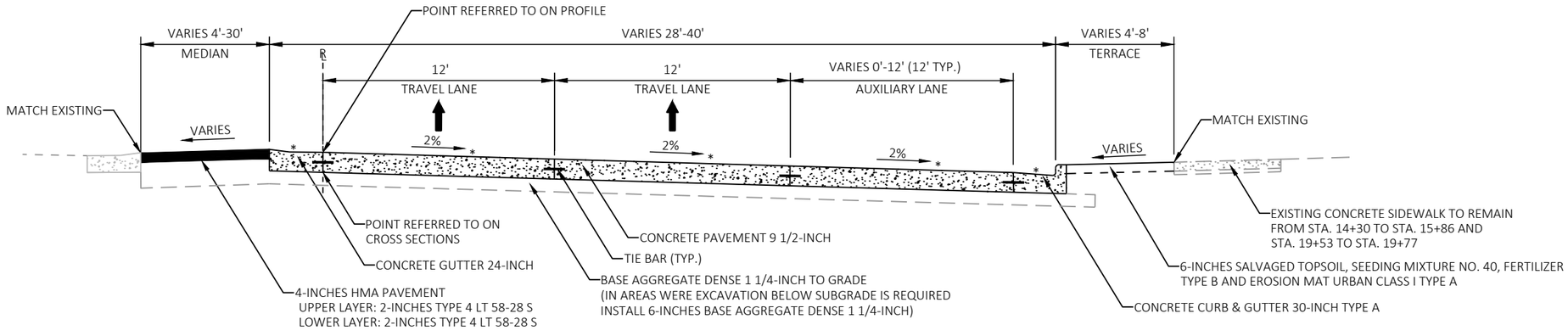


NOTE: ANY NEW CONCRETE SIDEWALK SHALL BE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH, SEE PAVING DETAILS FOR LOCATIONS.

*EXISTING CONCRETE PAVEMENT TO REMAIN FROM STA. 11+12 TO STA. 14+30

FINISHED TYPICAL SECTION - USH 51 NORTHBOUND LANES

STA. 10+42 TO STA. 14+30



NOTE: ANY NEW CONCRETE SIDEWALK SHALL BE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH, SEE PAVING DETAILS FOR LOCATIONS.

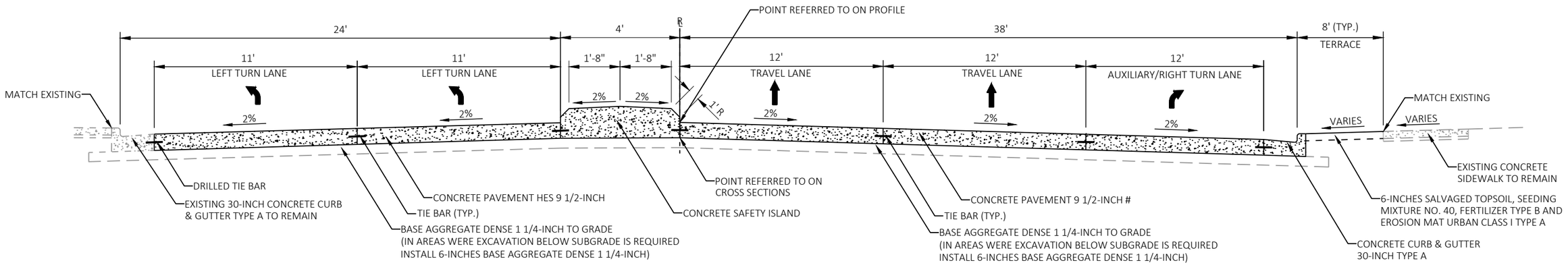
*EXISTING CONCRETE PAVEMENT AND CURB & GUTTER TO REMAIN FROM STA. 14+30 TO STA. 15+75

FINISHED TYPICAL SECTION - USH 51 NORTHBOUND LANES

STA. 14+30 TO STA. 19+77

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 9	E

2



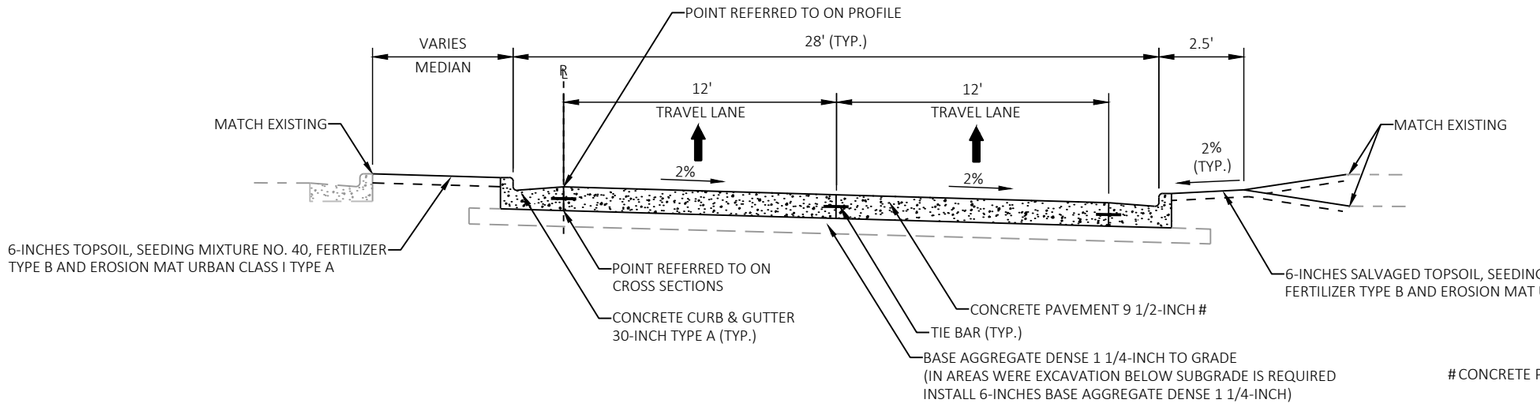
FINISHED TYPICAL SECTION - USH 51 NORTHBOUND LANES W/TURN LANES

STA. 19+77 TO STA. 24+50

**SECTION INCLUDES LEFT TURN LANE TAPER

#CONCRETE PAVEMENT HES 9 1/2-INCH FROM STA. 24+48 TO STA. 24+50

NOTE: ANY NEW CONCRETE SIDEWALK SHALL BE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH, SEE PAVING DETAILS FOR LOCATIONS.

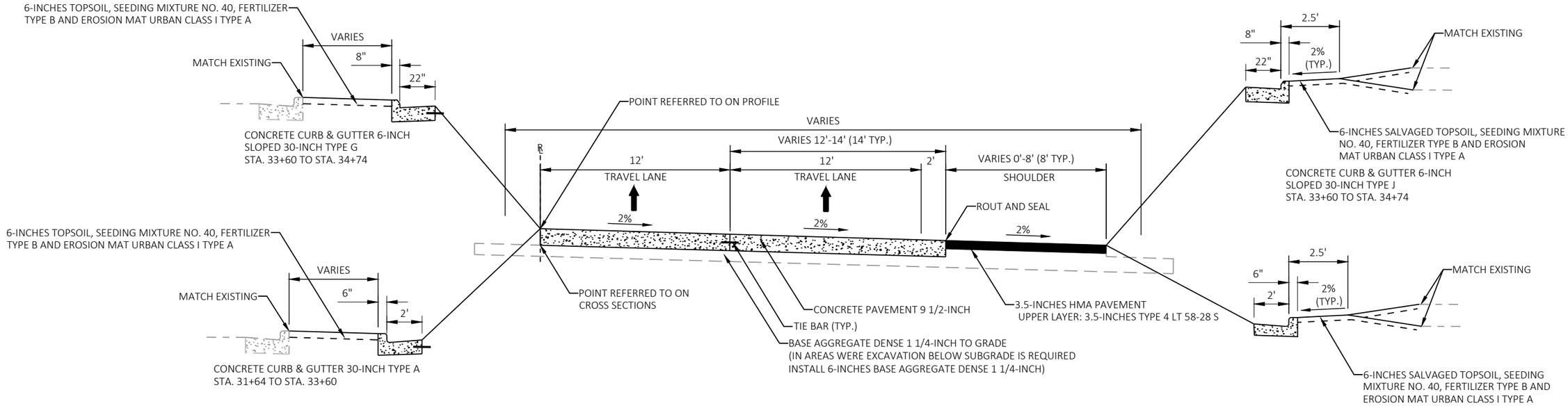


FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 24+50 TO STA. 31+64

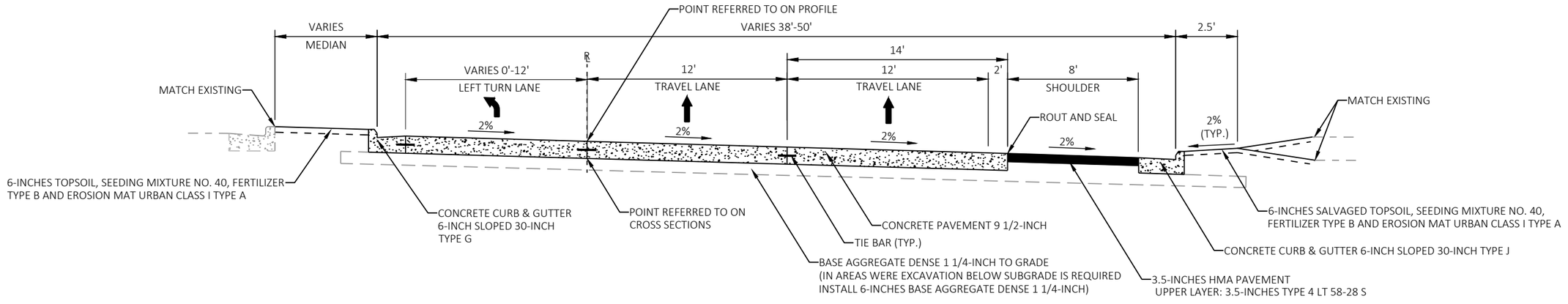
#CONCRETE PAVEMENT HES 9 1/2-INCH FROM STA. 24+50 TO STA. 25+50

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 10	E



FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 31+64 TO STA. 34+74

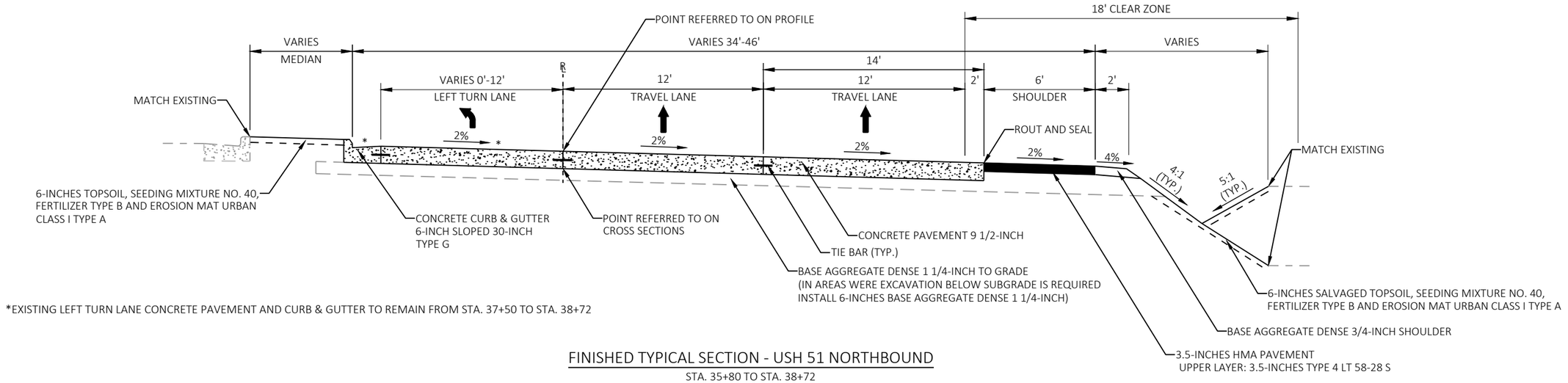


FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 34+74 TO STA. 35+80

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 11	E

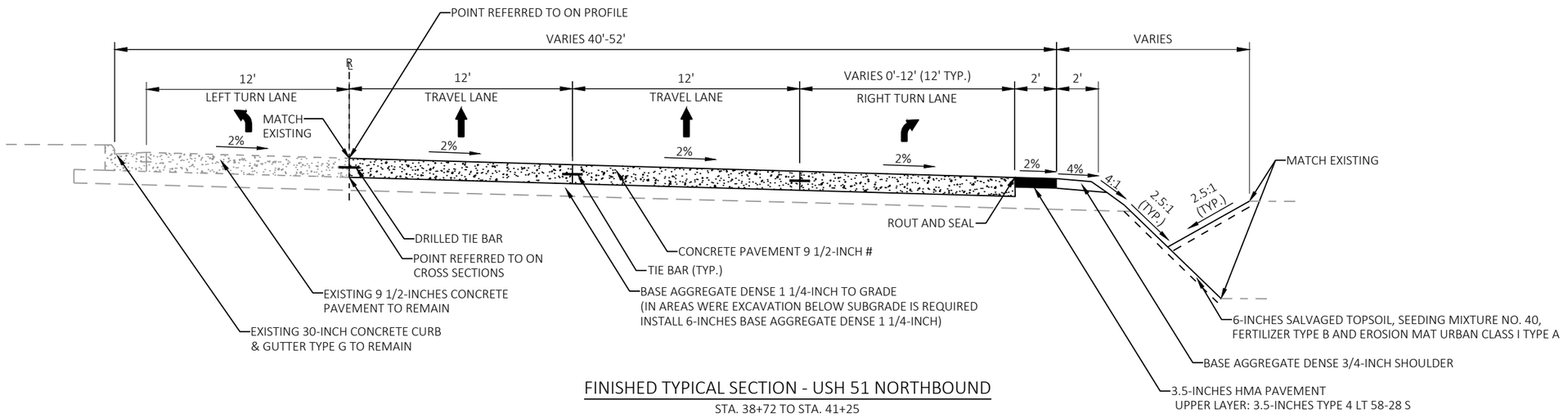
2



*EXISTING LEFT TURN LANE CONCRETE PAVEMENT AND CURB & GUTTER TO REMAIN FROM STA. 37+50 TO STA. 38+72

FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 35+80 TO STA. 38+72



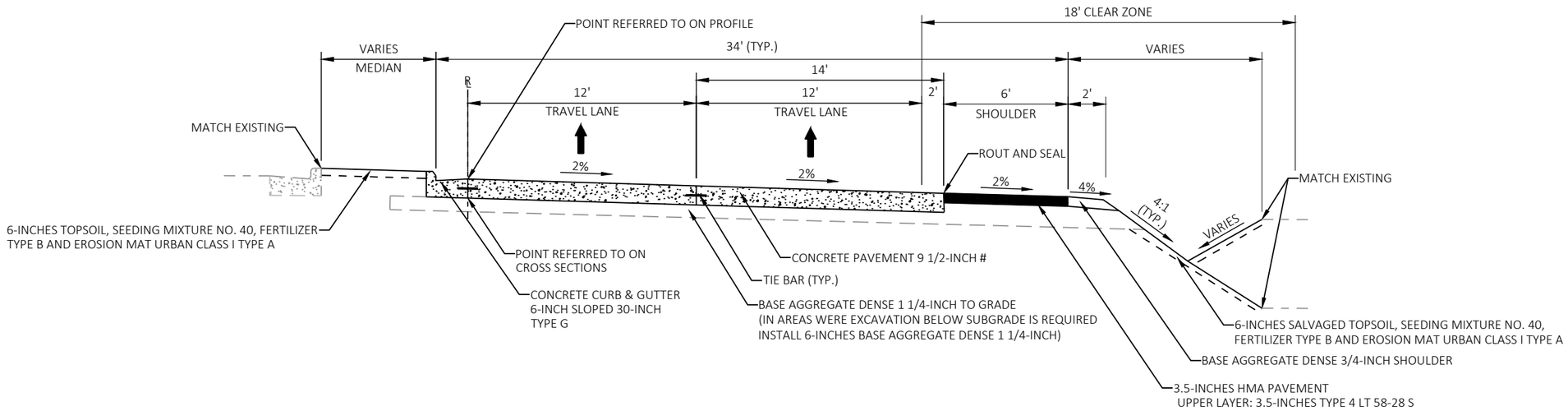
FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 38+72 TO STA. 41+25

CONCRETE PAVEMENT HES 9 1/2-INCH FROM STA. 40+92 TO STA. 41+25

NOTE: ANY NEW CONCRETE SIDEWALK SHALL BE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH, SEE PAVING DETAILS FOR LOCATIONS.

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TYPICAL SECTIONS	SHEET 12	E

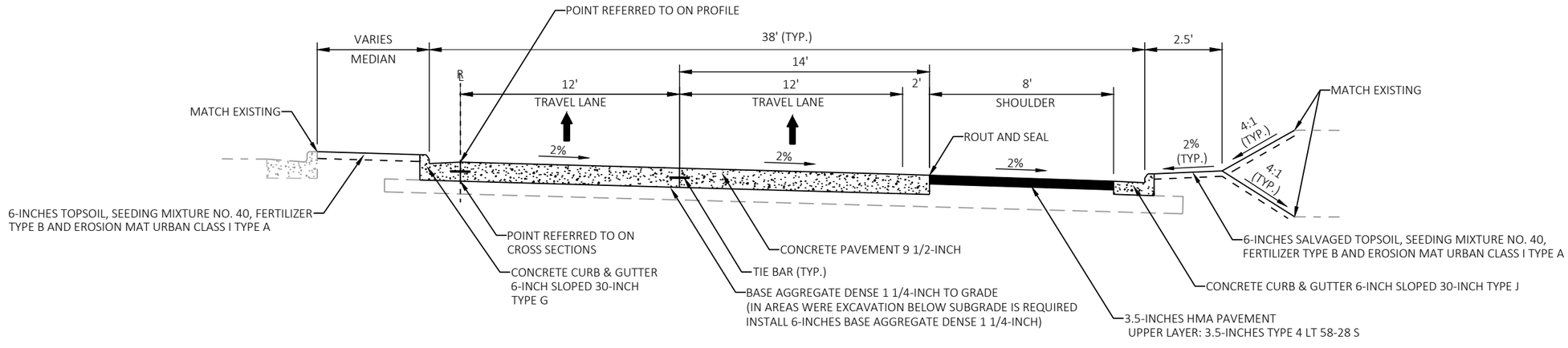


FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

STA. 41+25 TO STA. 46+28

#CONCRETE PAVEMENT HES 9 1/2-INCH FROM STA. 41+25 TO STA. 42+47

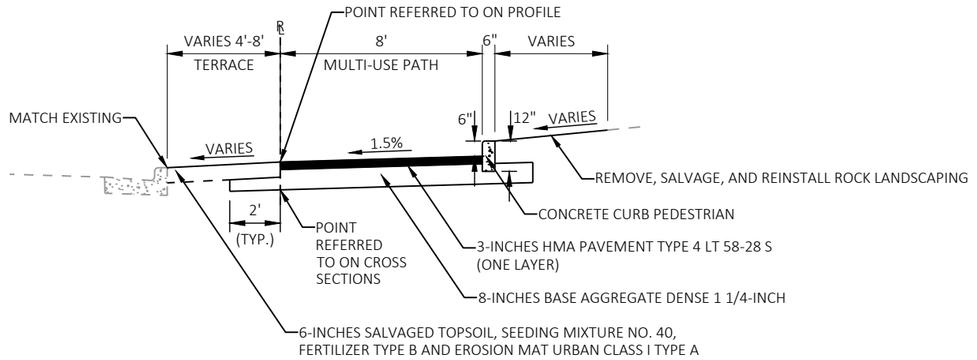
NOTE: ANY NEW CONCRETE SIDEWALK SHALL BE CONCRETE SIDEWALK 5-INCH OVER 4-INCHES BASE AGGREGATE DENSE 3/4-INCH, SEE PAVING DETAILS FOR LOCATIONS.



FINISHED TYPICAL SECTION - USH 51 NORTHBOUND

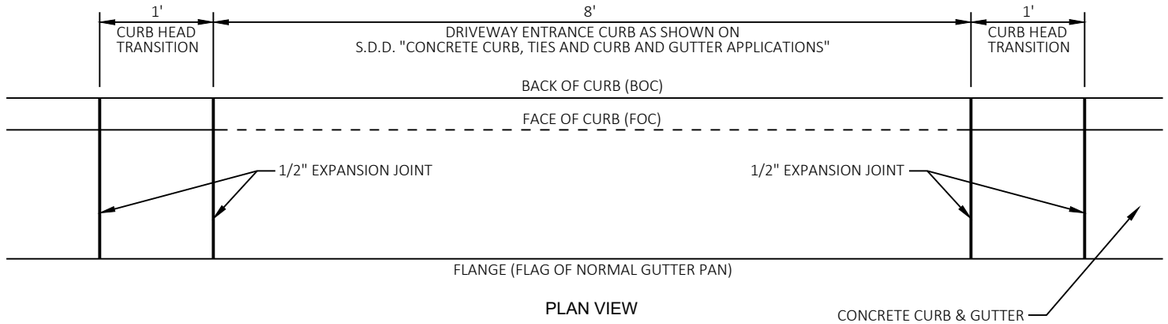
STA. 46+28 TO STA. 53+67

2



FINISHED TYPICAL SECTION - N. STOUGHTON SERVICE ROAD MULTI-USE PATH

STA. 0+10'P' TO STA. 1+40'P'

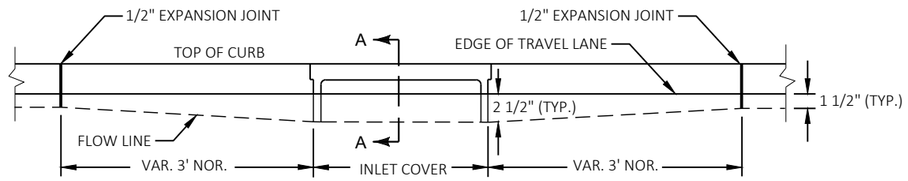


PLAN VIEW

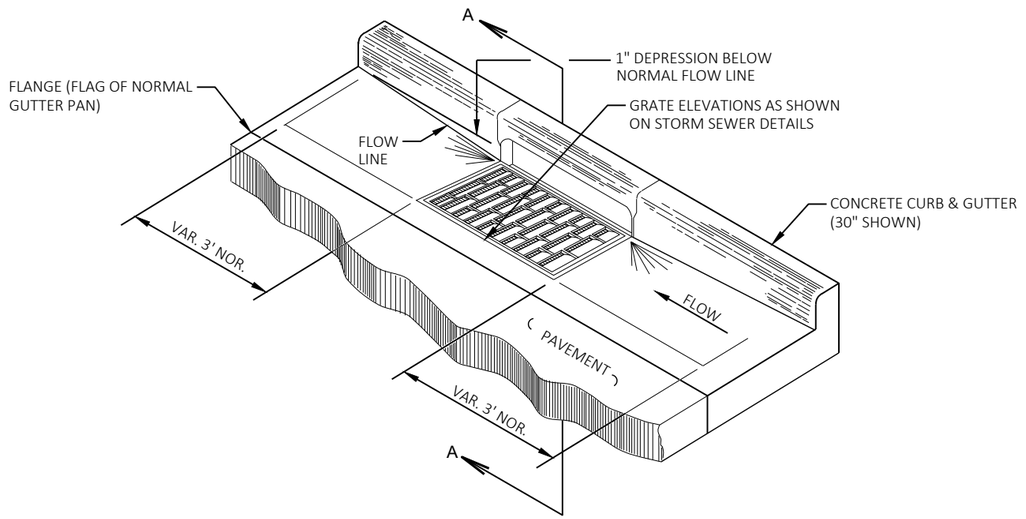
NOTES:
1. MEDIAN ACCESS CURB SECTIONS TO BE 8-FEET WIDE PLUS 1-FOOT TRANSITIONS.
2. MEDIAN ACCESS CURB SECTIONS TO BE PAID FOR AS ADJACENT CURB & GUTTER TYPE.
3. SEE PAVING DETAILS FOR LOCATIONS (STATIONS ARE SHOWN TO CENTER OF MEDIAN ACCESS).

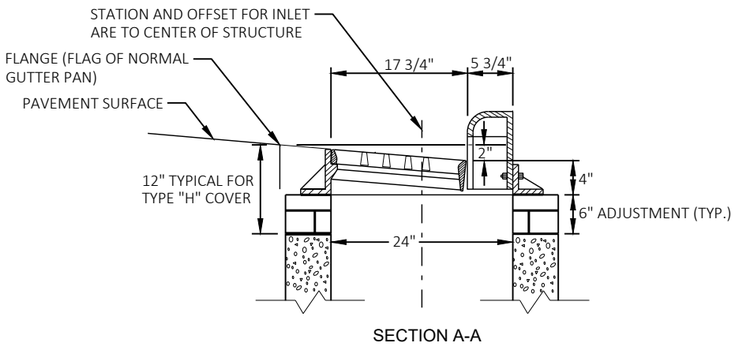
DETAIL OF CURB & GUTTER TRANSITION FOR MEDIAN ACCESS

SCALE: NONE



ELEVATION





SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

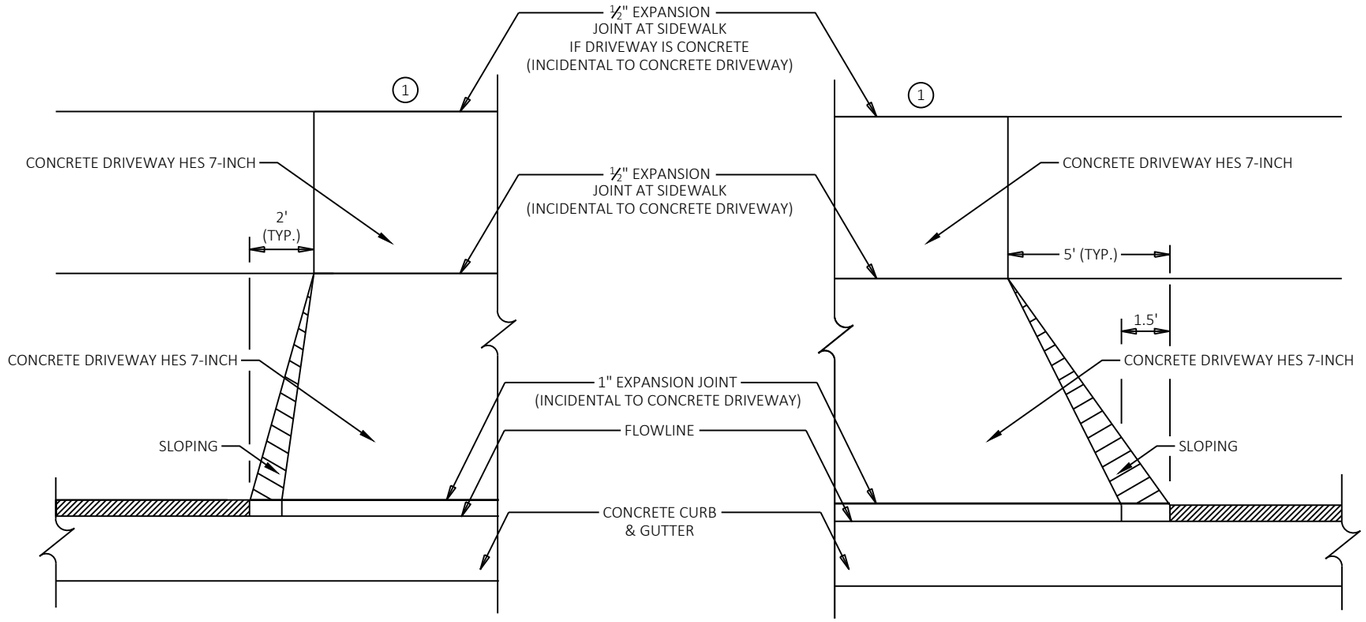
SCALE: NONE

(TYPE H INLET COVER SHOWN)

2

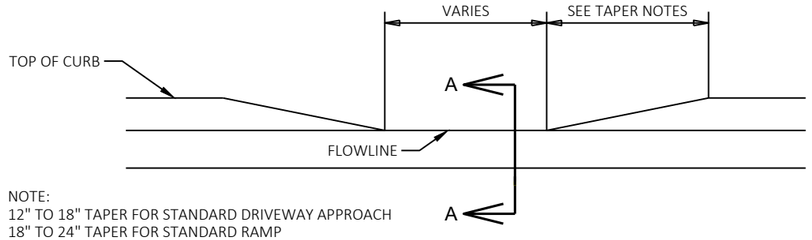
(1) FOR ASPHALT DRIVEWAYS, PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

FOR CONCRETE DRIVEWAYS, PLACE CONCRETE DRIVEWAY HES 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.



RESIDENTIAL

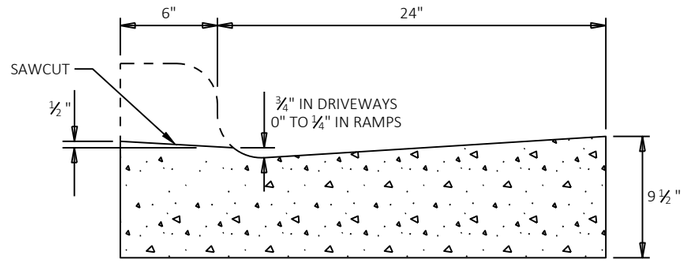
COMMERCIAL



NOTE:
12" TO 18" TAPER FOR STANDARD DRIVEWAY APPROACH
18" TO 24" TAPER FOR STANDARD RAMP

TYPICAL CURB CUT TAPER

SCALE: NONE



DRIVEWAY SECTION CONCRETE CURB & GUTTER (SECTION A-A)

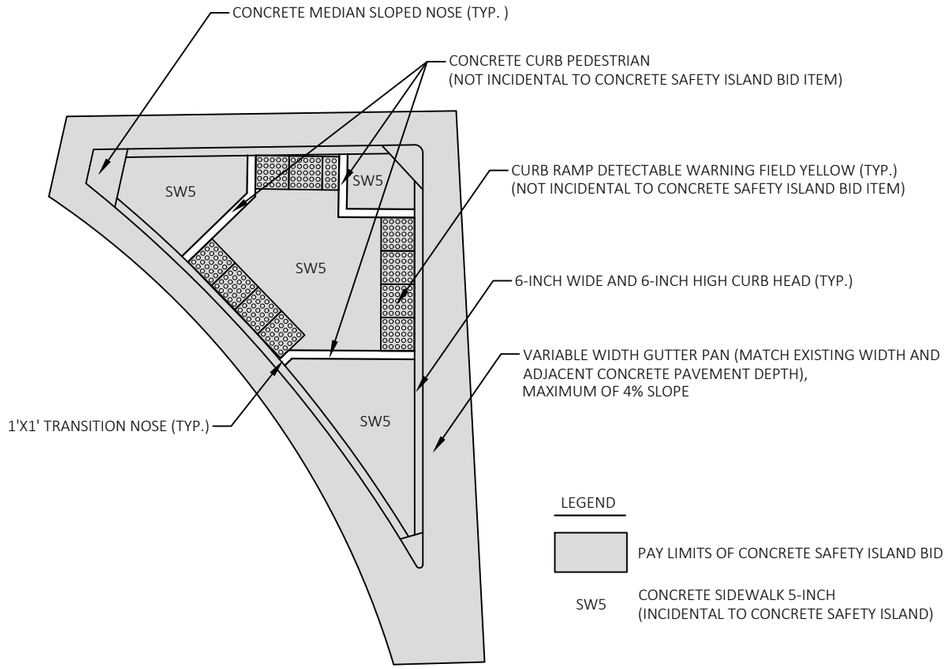
SCALE: NONE

NOTES:
1. IF THE CURB CUT IS NOT CONSTRUCTED WITH THE INITIAL CURB AND GUTTER CONSTRUCTION, THE CURB CUT CAN BE MADE BY REMOVING AND REPLACING THE ENTIRE CURB AND GUTTER SECTION OR BY SAWCUTTING THE EXISTING CURB HEAD BY MEANS OF A SPECIAL SAW DESIGNED TO MEET THE DETAILS ABOVE FOR MADISON STANDARD CURB CUTS.
2. ALL EXPANSION JOINTS SHALL EXTEND THROUGH THE ENTIRE THICKNESS OF THE APPROACH OR SIDEWALK, WHICHEVER IS THICKER.

DRIVEWAY DETAIL

SCALE: NONE

2



NOTES:
1. ENTIRE ISLAND INCLUDING WALKING PATH IS PAID FOR AS CONCRETE SAFETY ISLAND UNLESS OTHERWISE NOTED ON DETAIL.
2. SIZE AND SHAPE OF INDIVIDUAL ISLANDS VARIES. SEE PLAN DETAILS FOR LAYOUT INFORMATION FOR EACH ISLAND.
3. WALKING PATH SHALL MEET ADA REQUIREMENTS.
4. TIE BARS ARE REQUIRED WHEN INSTALLING ADJACENT TO CONCRETE PAVEMENT.
5. CONCRETE SAFETY ISLAND MAY BE CONSTRUCTED AS ON MONOLITHIC SLAB OR INDIVIDUAL SECTIONS OF CURB & GUTTER, CONCRETE SIDEWALK AND PEDESTRIAN CURB. PAYMENT SHALL BE THE SAME FOR BOTH METHODS OF CONSTRUCTION.

CONCRETE SAFETY ISLAND DETAIL

SCALE: NONE

2

PAVING DETAIL NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. ALL DRIVEWAY APRONS SHALL BE CONCRETE DRIVEWAY HES 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

PAVING DETAIL LEGEND

- HMA PAVEMENT 4 LT 58-28 S THICKNESS VARIES, SEE TYPICAL SECTIONS
- CONCRETE PAVEMENT GAPS
- CONCRETE PAVEMENT HES 9 1/2-INCH
- CONCRETE PAVEMENT REPLACEMENT SHES
- (DT) DRILLED TIE BARS
- (DD) DRILLED DOWEL BARS
- XX-X CONCRETE CURB & GUTTER XX-INCH TYPE X
- [X] CONCRETE MEDIAN SLOPED NOSE TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- * SAWCUT REQUIRED

2

N

USH 151 (E. WASHINGTON AVENUE)

GRASS

GRASS

ASPHALT

GRASS

GRASS

CONCRETE SIDEWALK 5-INCH

STA. 9+80

STA. 9+98

100

101

102

DT

30-A

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

BP: 9+50.00

USH 51 (N. STOUGHTON ROAD) SB

PI: 13+33.56

CONCRETE

CONCRETE

CONCRETE

MATCH LINE STA. 14+00

10+00

11+00

12+00

13+00

DT

DD

MATCH EXISTING ELEVATIONS

STA. 10+51

12'

12'

STA. 11+15

USH 51 (N. STOUGHTON ROAD) NB

103

104

113

DT

107

108

109

STA. 11+61

GRASS

CONCRETE

GRASS

LANDSCAPING

ASPHALT

GRASS

106

CONCRETE SAFETY ISLAND

CONCRETE CURB PEDESTRIAN

47' RT.

DT

112

30-A

11+66.65, 64.00' RT
38.0' RADIUS

110

105

DD

60' RT.

111

BLOCK PLANTER
& SIGN

CONCRETE SIDEWALK 5-INCH

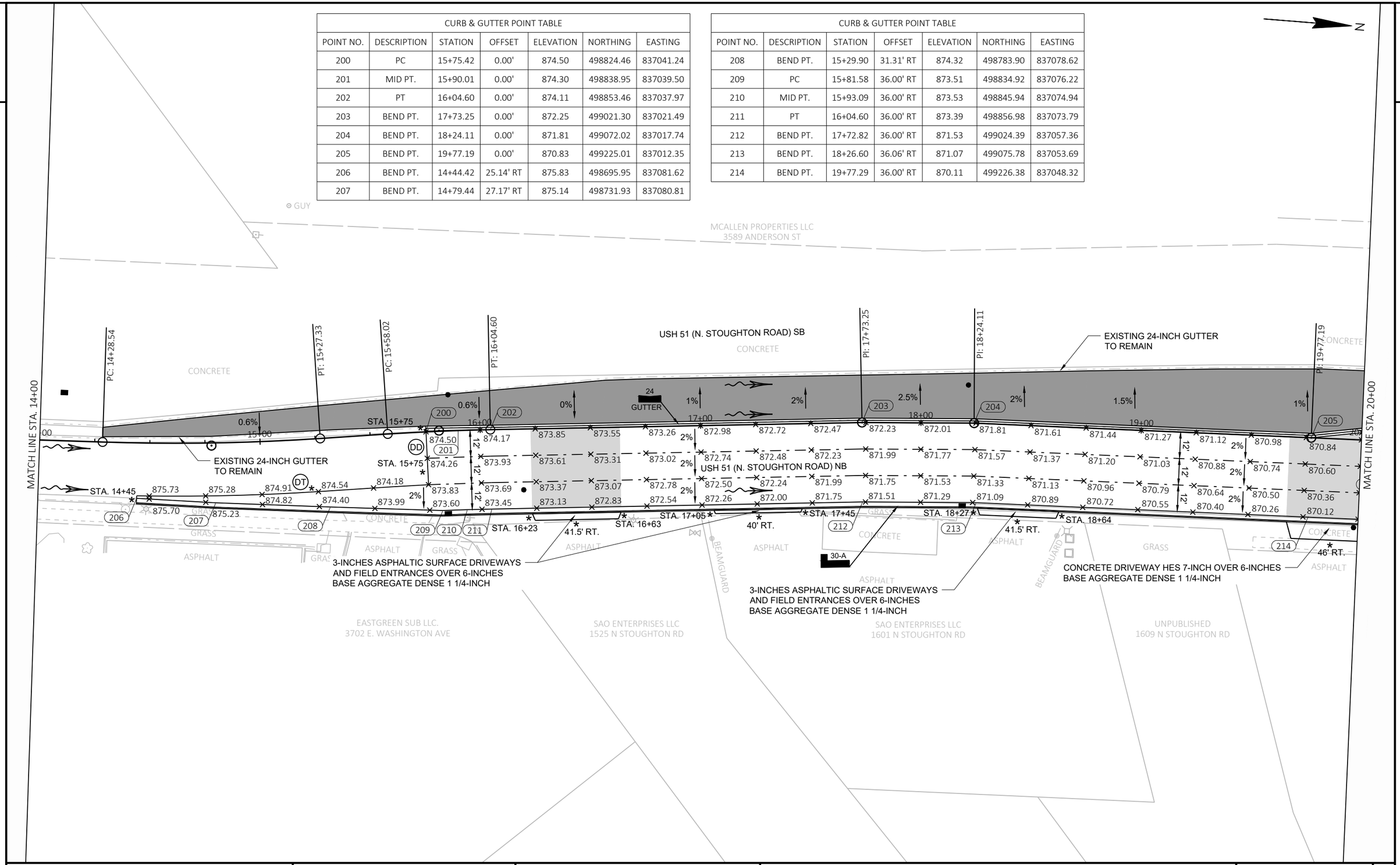
GRASS

CURB & GUTTER POINT TABLE

POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	PC	9+79.60	87.73' LT	880.27	498227.06	836985.49
101	MID PT.	9+88.72	83.77' LT	880.23	498236.30	836989.15
102	PT	9+98.35	81.30' LT	880.19	498246.01	836991.31
103	BEGIN C&G	10+77.14	24.38' RT	880.86	498328.18	837094.38
104	BEND PT.	11+03.27	24.61' RT	880.52	498354.30	837093.76
105	END C&G	11+03.83	46.73' RT	880.75	498355.58	837115.86
106	BEGIN C&G	10+77.81	30.28' RT	880.97	498329.03	837100.25
107	PC	10+99.36	27.70' RT	880.53	498350.49	837096.98
108	MID PT.	11+00.71	28.13' RT	880.58	498351.86	837097.36
109	PT	11+01.42	29.36' RT	880.59	498352.60	837098.57
110	END C&G	11+01.84	46.78' RT	880.80	498353.59	837115.97
111	PC	11+26.88	59.67' RT	880.36	498379.04	837128.04
112	MID PT.	11+37.76	36.33' RT	879.92	498389.15	837104.37
113	PT	11+60.61	24.46' RT	879.72	498411.60	837091.76

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	PC	15+75.42	0.00'	874.50	498824.46	837041.24
201	MID PT.	15+90.01	0.00'	874.30	498838.95	837039.50
202	PT	16+04.60	0.00'	874.11	498853.46	837037.97
203	BEND PT.	17+73.25	0.00'	872.25	499021.30	837021.49
204	BEND PT.	18+24.11	0.00'	871.81	499072.02	837017.74
205	BEND PT.	19+77.19	0.00'	870.83	499225.01	837012.35
206	BEND PT.	14+44.42	25.14' RT	875.83	498695.95	837081.62
207	BEND PT.	14+79.44	27.17' RT	875.14	498731.93	837080.81

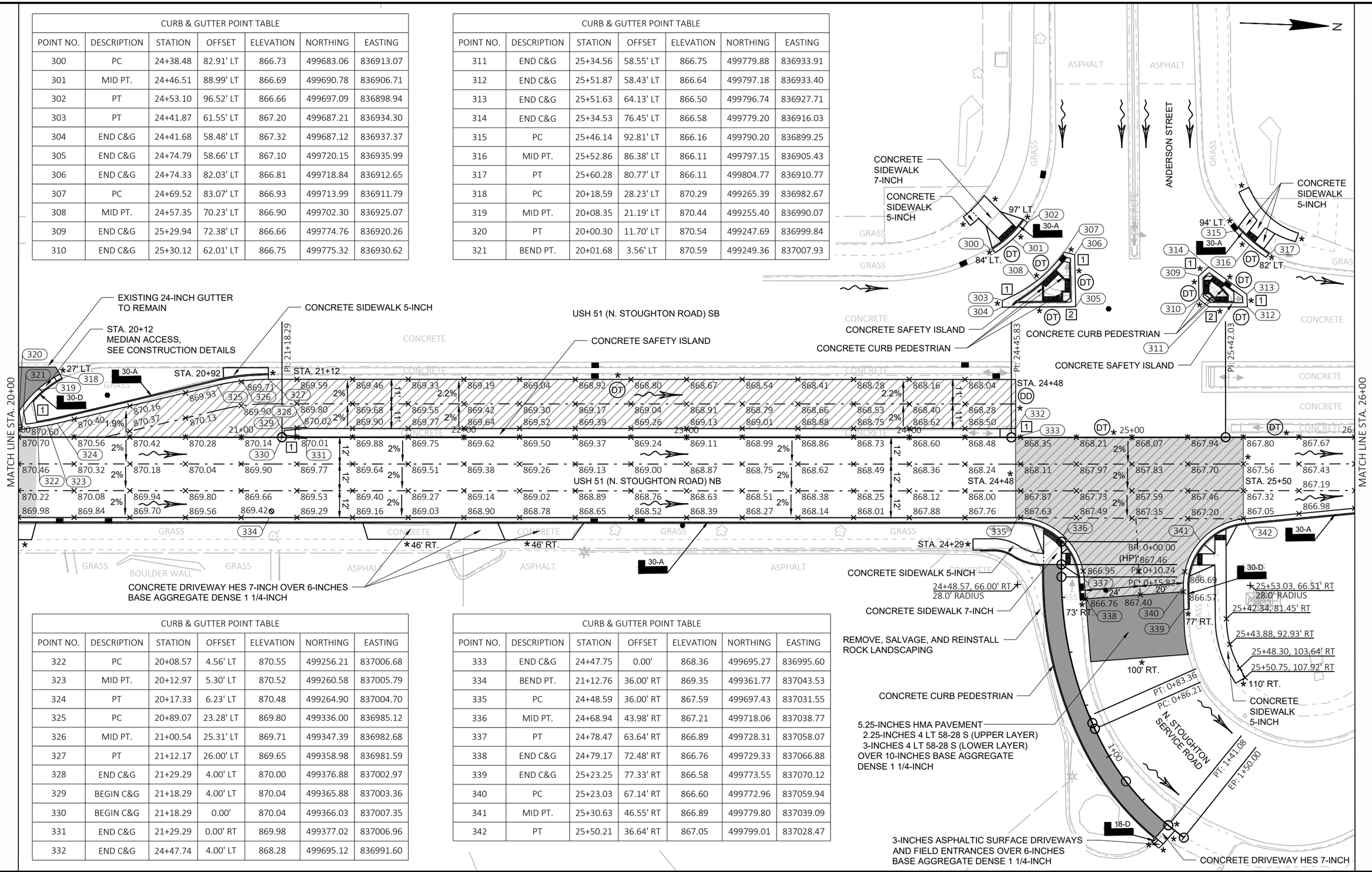
CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
208	BEND PT.	15+29.90	31.31' RT	874.32	498783.90	837078.62
209	PC	15+81.58	36.00' RT	873.51	498834.92	837076.22
210	MID PT.	15+93.09	36.00' RT	873.53	498845.94	837074.94
211	PT	16+04.60	36.00' RT	873.39	498856.98	837073.79
212	BEND PT.	17+72.82	36.00' RT	871.53	499024.39	837057.36
213	BEND PT.	18+26.60	36.06' RT	871.07	499075.78	837053.69
214	BEND PT.	19+77.29	36.00' RT	870.11	499226.38	837048.32



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 20	E

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	PC	24+38.48	82.91' LT	866.73	499683.06	836913.07
301	MID PT.	24+46.51	88.99' LT	866.69	499690.78	836906.71
302	PT	24+53.10	96.52' LT	866.66	499697.09	836898.94
303	PT	24+41.87	61.55' LT	867.20	499687.21	836934.30
304	END C&G	24+41.68	58.48' LT	867.32	499687.12	836937.37
305	END C&G	24+74.79	58.66' LT	867.10	499720.15	836935.99
306	END C&G	24+74.33	82.03' LT	866.81	499718.84	836912.65
307	PC	24+69.52	83.07' LT	866.93	499713.99	836911.79
308	MID PT.	24+57.35	70.23' LT	866.90	499702.30	836925.07
309	END C&G	25+29.94	72.38' LT	866.66	499774.76	836920.26
310	END C&G	25+30.12	62.01' LT	866.75	499775.32	836930.62

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
311	END C&G	25+34.56	58.55' LT	866.75	499779.88	836933.91
312	END C&G	25+51.87	58.43' LT	866.64	499797.18	836933.40
313	END C&G	25+51.63	64.13' LT	866.50	499796.74	836927.71
314	END C&G	25+34.53	76.45' LT	866.58	499779.20	836916.03
315	PC	25+46.14	92.81' LT	866.16	499790.20	836899.25
316	MID PT.	25+52.86	86.38' LT	866.11	499797.15	836905.43
317	PT	25+60.28	80.77' LT	866.11	499804.77	836910.77
318	PC	20+18.59	28.23' LT	870.29	499265.39	836982.67
319	MID PT.	20+08.35	21.19' LT	870.44	499255.40	836990.07
320	PT	20+00.30	11.70' LT	870.54	499247.69	836999.84
321	BEND PT.	20+01.68	3.56' LT	870.59	499249.36	837007.93



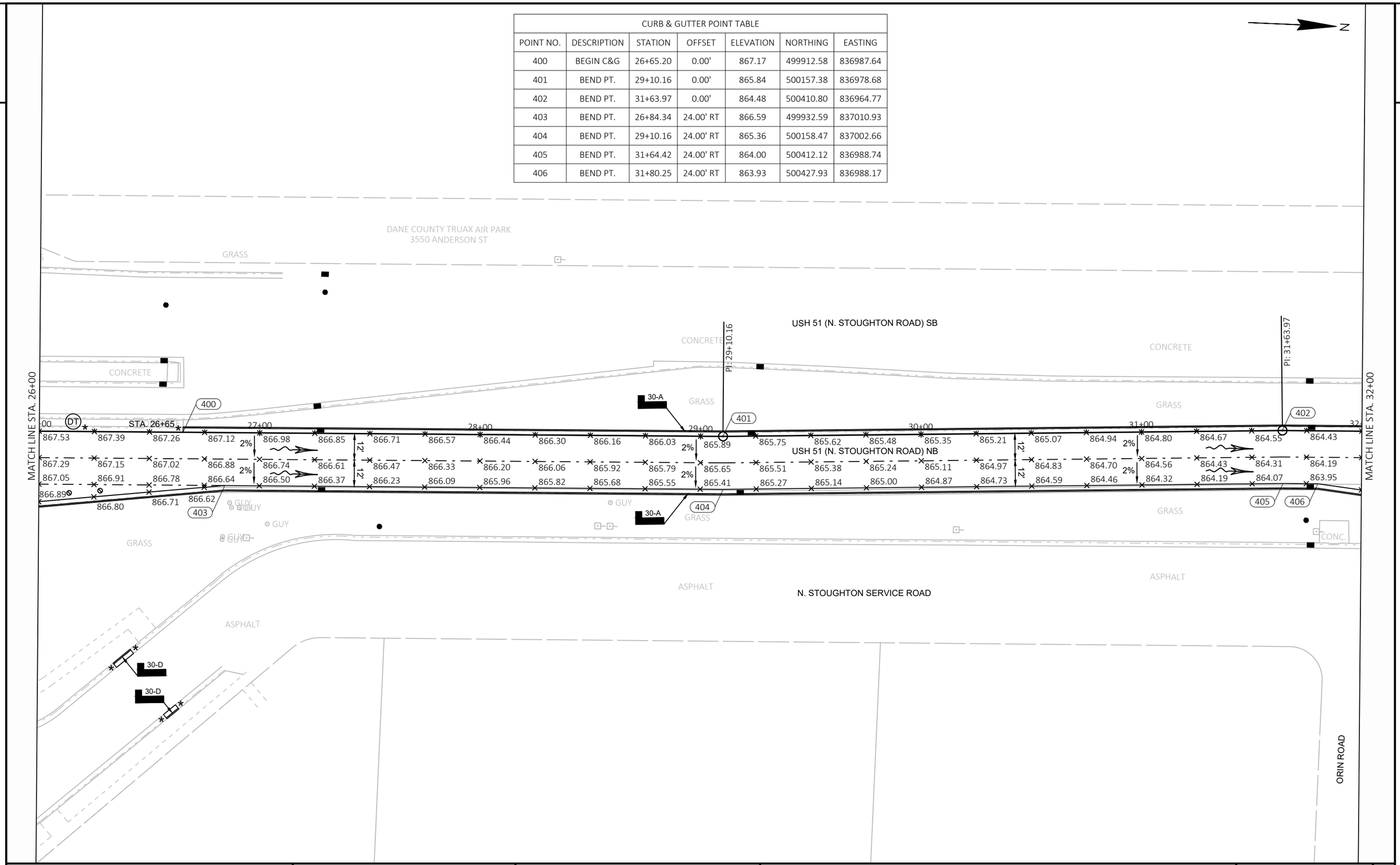
CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
322	PC	20+08.57	4.56' LT	870.55	499256.21	837006.68
323	MID PT.	20+12.97	5.30' LT	870.52	499260.58	837005.79
324	PT	20+17.33	6.23' LT	870.48	499264.90	837004.70
325	PC	20+89.07	23.28' LT	869.80	499336.00	836985.12
326	MID PT.	21+00.54	25.31' LT	869.71	499347.39	836982.68
327	PT	21+12.17	26.00' LT	869.65	499358.98	836981.59
328	END C&G	21+29.29	4.00' LT	870.00	499376.88	837002.97
329	BEGIN C&G	21+18.29	4.00' LT	870.04	499365.88	837003.36
330	BEGIN C&G	21+18.29	0.00'	870.04	499366.03	837007.35
331	END C&G	21+29.29	0.00' RT	869.98	499377.02	837006.96
332	END C&G	24+47.74	4.00' LT	868.28	499695.12	836991.60

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
333	END C&G	24+47.75	0.00'	868.36	499695.27	836995.60
334	BEND PT.	21+12.76	36.00' RT	869.35	499361.77	837043.53
335	PC	24+48.59	36.00' RT	867.59	499697.43	837031.55
336	MID PT.	24+68.94	43.98' RT	867.21	499718.06	837038.77
337	PT	24+78.47	63.64' RT	866.89	499728.31	837058.07
338	END C&G	24+79.17	72.48' RT	866.76	499729.33	837066.88
339	END C&G	25+23.25	77.33' RT	866.58	499773.55	837070.12
340	PC	25+23.03	67.14' RT	866.60	499772.96	837059.94
341	MID PT.	25+30.63	46.55' RT	866.89	499779.80	837039.09
342	PT	25+50.21	36.64' RT	867.05	499799.01	837028.47

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 21	E

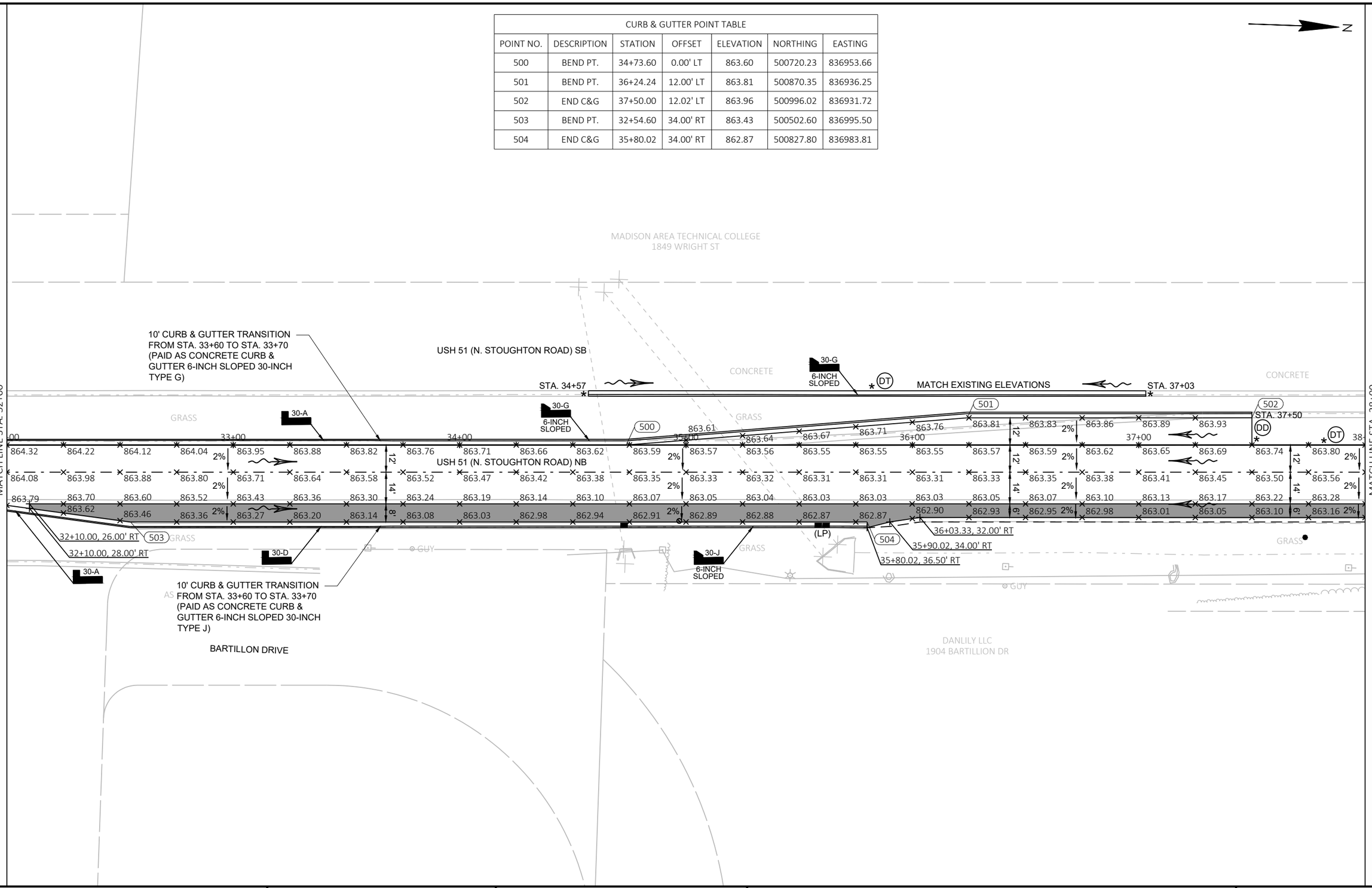
2

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	BEGIN C&G	26+65.20	0.00'	867.17	499912.58	836987.64
401	BEND PT.	29+10.16	0.00'	865.84	500157.38	836978.68
402	BEND PT.	31+63.97	0.00'	864.48	500410.80	836964.77
403	BEND PT.	26+84.34	24.00' RT	866.59	499932.59	837010.93
404	BEND PT.	29+10.16	24.00' RT	865.36	500158.47	837002.66
405	BEND PT.	31+64.42	24.00' RT	864.00	500412.12	836988.74
406	BEND PT.	31+80.25	24.00' RT	863.93	500427.93	836988.17



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 22	E

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	BEND PT.	34+73.60	0.00' LT	863.60	500720.23	836953.66
501	BEND PT.	36+24.24	12.00' LT	863.81	500870.35	836936.25
502	END C&G	37+50.00	12.02' LT	863.96	500996.02	836931.72
503	BEND PT.	32+54.60	34.00' RT	863.43	500502.60	836995.50
504	END C&G	35+80.02	34.00' RT	862.87	500827.80	836983.81



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 23	E

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	PC	41+35.69	75.47' LT	863.57	501379.19	836854.46
601	MID PT.	41+37.74	80.84' LT	863.59	501381.04	836849.02
602	PT	41+38.74	86.50' LT	863.59	501381.84	836843.32
603	END C&G	41+39.12	91.32' LT	863.60	501382.04	836838.50
604	BEGIN C&G	41+75.43	89.06' LT	863.63	501418.41	836839.45
605	PC	41+74.95	75.98' LT	863.64	501418.40	836852.54
606	MID PT.	41+75.04	74.74' LT	863.67	501418.53	836853.78
607	PT	41+75.24	73.51' LT	863.70	501418.78	836854.99
608	PC	42+01.26	72.01' LT	864.32	501444.84	836855.56
609	MID PT.	42+01.71	73.75' LT	864.34	501445.22	836853.80
610	PT	42+01.96	75.53' LT	864.33	501445.41	836852.02

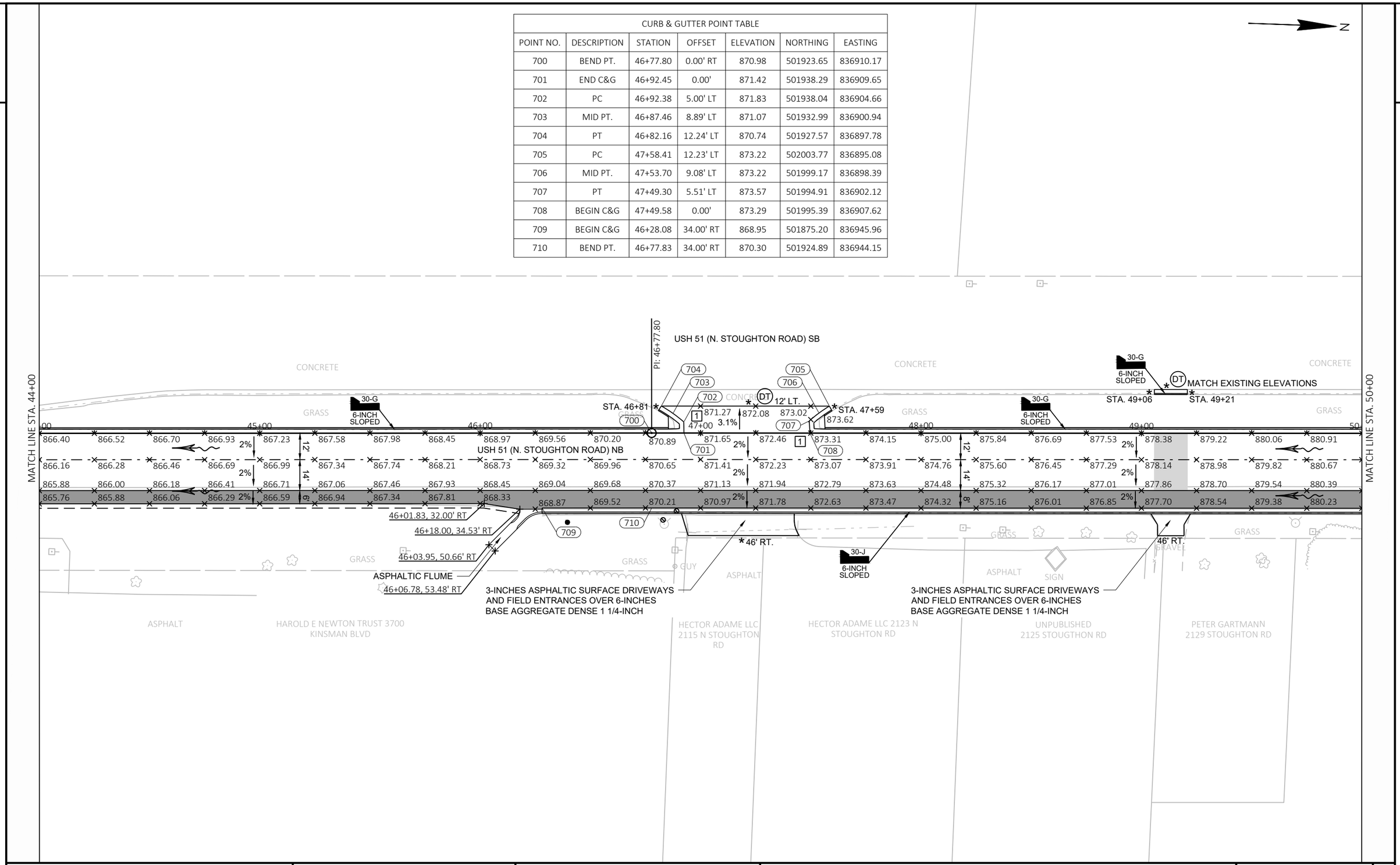
CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
611	END C&G	42+03.00	87.79' LT	864.04	501446.01	836839.73
612	PC	42+28.33	86.41' LT	863.95	501471.33	836840.19
613	MID PT.	42+30.18	78.62' LT	864.03	501473.46	836847.92
614	PT	42+34.03	71.59' LT	864.10	501477.56	836854.80
615	BEGIN C&G	41+11.42	24.00' LT	864.42	501356.78	836906.77
616	END C&G	41+25.59	24.00' LT	864.50	501370.94	836906.26
617	END C&G	41+25.22	12.00' LT	864.86	501371.00	836918.26
618	BEGIN C&G	41+11.05	12.00' LT	864.80	501356.85	836918.77
619	BEGIN C&G	43+83.08	0.00'	866.32	501629.12	836920.91
620	BEGIN C&G	40+57.00	36.33' RT	864.15	501304.56	836969.01
621	PC	40+91.85	39.63' RT	864.04	501339.51	836971.06

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
622	MID PT.	41+15.28	51.20' RT	863.88	501363.34	836981.78
623	PT	41+27.67	74.20' RT	864.11	501376.55	837004.32
624	BEGIN C&G	41+53.35	75.13' RT	864.39	501402.24	837004.32
625	END C&G	41+55.92	35.42' RT	864.61	501403.38	836964.56
626	END C&G	41+71.84	35.32' RT	864.68	501419.29	836963.88
627	BEGIN C&G	41+70.99	47.56' RT	864.56	501418.88	836976.14
628	PC	42+11.39	52.97' RT	864.12	501459.44	836980.10
629	MID PT.	42+26.65	38.75' RT	864.50	501474.21	836965.34
630	PT	42+47.02	34.20' RT	865.04	501494.40	836960.05

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 24 E

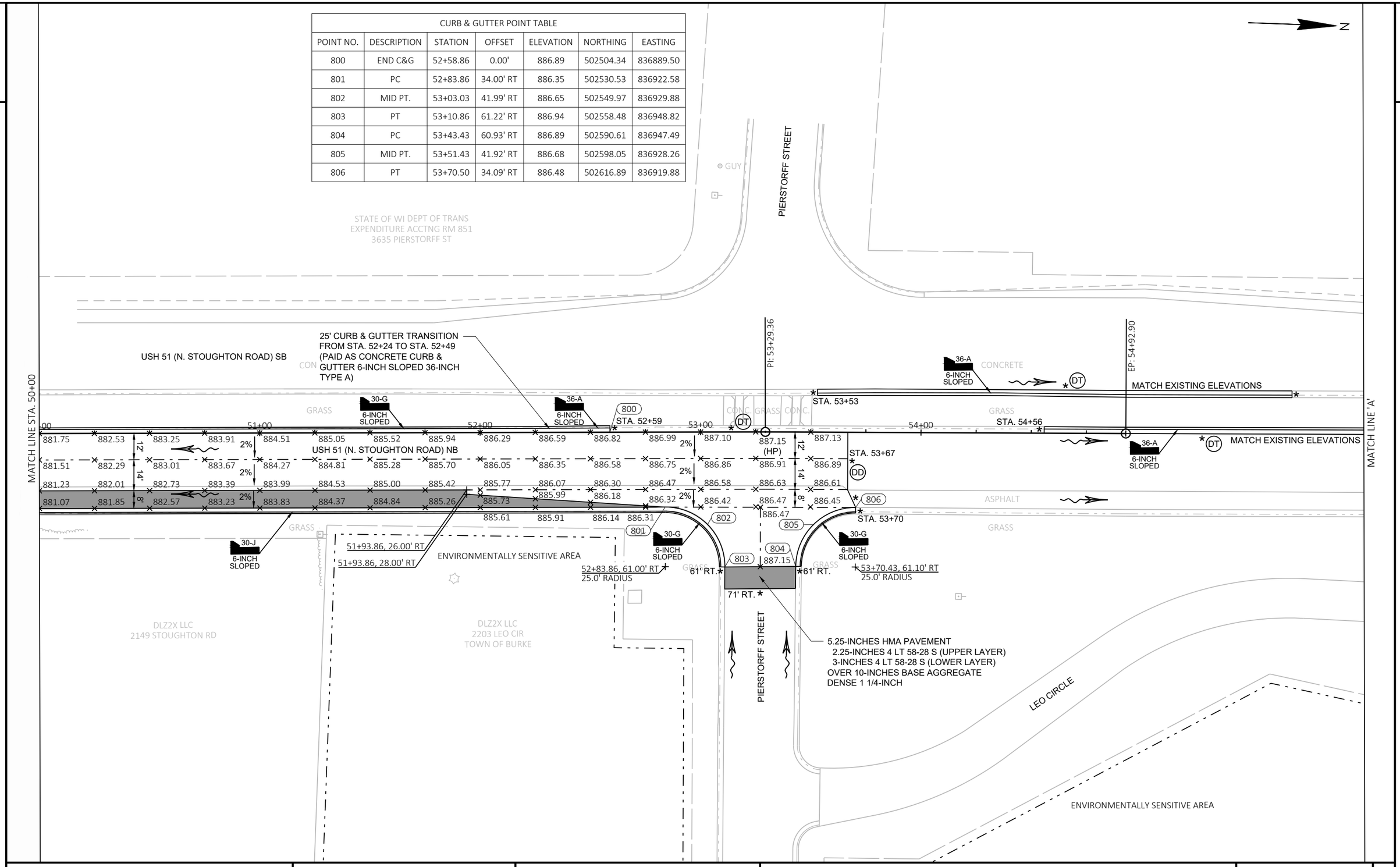
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd
PLOT DATE : 7/16/2022 5:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	BEND PT.	46+77.80	0.00' RT	870.98	501923.65	836910.17
701	END C&G	46+92.45	0.00'	871.42	501938.29	836909.65
702	PC	46+92.38	5.00' LT	871.83	501938.04	836904.66
703	MID PT.	46+87.46	8.89' LT	871.07	501932.99	836900.94
704	PT	46+82.16	12.24' LT	870.74	501927.57	836897.78
705	PC	47+58.41	12.23' LT	873.22	502003.77	836895.08
706	MID PT.	47+53.70	9.08' LT	873.22	501999.17	836898.39
707	PT	47+49.30	5.51' LT	873.57	501994.91	836902.12
708	BEGIN C&G	47+49.58	0.00'	873.29	501995.39	836907.62
709	BEGIN C&G	46+28.08	34.00' RT	868.95	501875.20	836945.96
710	BEND PT.	46+77.83	34.00' RT	870.30	501924.89	836944.15



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 25	E

CURB & GUTTER POINT TABLE						
POINT NO.	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	END C&G	52+58.86	0.00'	886.89	502504.34	836889.50
801	PC	52+83.86	34.00' RT	886.35	502530.53	836922.58
802	MID PT.	53+03.03	41.99' RT	886.65	502549.97	836929.88
803	PT	53+10.86	61.22' RT	886.94	502558.48	836948.82
804	PC	53+43.43	60.93' RT	886.89	502590.61	836947.49
805	MID PT.	53+51.43	41.92' RT	886.68	502598.05	836928.26
806	PT	53+70.50	34.09' RT	886.48	502616.89	836919.88



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 26	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021209-pd
PLOT DATE : 7/16/2022 5:24 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 'A'

36-A
6-INCH
SLOPED

DT *

MATCH EXISTING
ELEVATIONS

*

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVING DETAILS	SHEET 27	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021210-pd

PLOT DATE : 7/16/2022 5:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

LEVEL LANDING, 1.5% MAX IN ALL DIRECTIONS

DETECTABLE WARNING FIELD

NOTES

- ALL CURB RAMP FLARES SHALL BE 10:1 CONCRETE
- GUTTER SLOPES SHALL BE 4.0% THROUGH RAMP. TRANSITION SLOPES OUTSIDE OF RAMP TO MATCH EXISTING GUTER SLOPES.

USH 151 (E. WASHINGTON AVENUE)

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS: 60.45'
CURB RAMP LANDING LENGTH 'XR': 12.25'
RADIAL WARNING FIELD AREA: 19.08 S.F.
RADIAL LONG CHORD DIMENSION: 9.08'

9+80.59, -100.96' LT
ELEV=880.66

9+85.88, -96.99' LT
ELEV=880.53

9+92.19, -94.19' LT
ELEV=880.43

10+01.54, -92.85' LT
ELEV=880.50

10+01.40, -88.45' LT
ELEV=880.44

EXISTING R/W

2.0%
2.2%
0.9%
1.0%
0.8%
0.5%
7.0%
5.7%
0.5%

9+77.20, -97.01' LT
ELEV=880.64

9+82.28, -91.19' LT
ELEV=880.47

9+85.99, -86.93' LT
ELEV=880.14

CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW

9+90.46, -89.15' LT
ELEV=880.38

9+94.41, -84.17' LT
ELEV=880.10

US 51 (N. STOUGHTON ROAD) SB

N

ALL ELEVATIONS SHOWN ADJACENT TO PEDESTRIAN CURB ARE TO THE BOTTOM OF THE PEDESTRIAN CURB. PEDESTRIAN CURB HEIGHTS SHALL BE DETERMINED IN THE FIELD BY MATCHING EXISITING ADJACENT FIELD ELEVATIONS.

10+84.71, 29.41' RT
ELEV=880.84

10+86.32, 31.48' RT
ELEV=880.90

CONCRETE CURB PEDESTRIAN

10+91.23, 32.42' RT
ELEV=880.83

CURB RAMP DETECTABLE WARNING FIELD YELLOW (TYP.)

10+96.14, 33.37' RT
ELEV=880.73

11+01.54, 34.30' RT
ELEV=880.65

11+01.67, 39.41' RT
ELEV=880.69

10+78.85, 30.12' RT
ELEV=880.93

CONCRETE SAFETY ISLAND, SEE CONSTRUCTION DETAIL

10+83.56, 36.04' RT
ELEV=880.87

10+90.29, 37.33' RT
ELEV=880.81

10+95.20, 38.27' RT
ELEV=880.77

CONCRETE CURB PEDESTRIAN

EXISTING CONCRETE CURB & GUTTER TO REMAIN

1.5%
1.0%
1.5%
2.0%
1.5%
0.4%
0.8%
0.8%
0.8%
1.3%
0.8%

USH 151 (E. WASHINGTON AVENUE)

US 51 (N. STOUGHTON ROAD) NB

N

11+43.34, 42.18' RT
ELEV=880.30

11+53.28, 37.31' RT
ELEV=880.01

11+36.35, 41.07' RT
ELEV=879.88

EXISTING R/W

11+33.40, 45.60' RT
ELEV=879.96

11+55.27, 41.90' RT
ELEV=880.12

11+46.51, 46.37' RT
ELEV=880.37

11+42.60, 50.13' RT
ELEV=880.28

11+38.54, 46.83' RT
ELEV=880.20

11+32.80, 60.77' RT
ELEV=880.96

11+37.79, 61.20' RT
ELEV=881.03

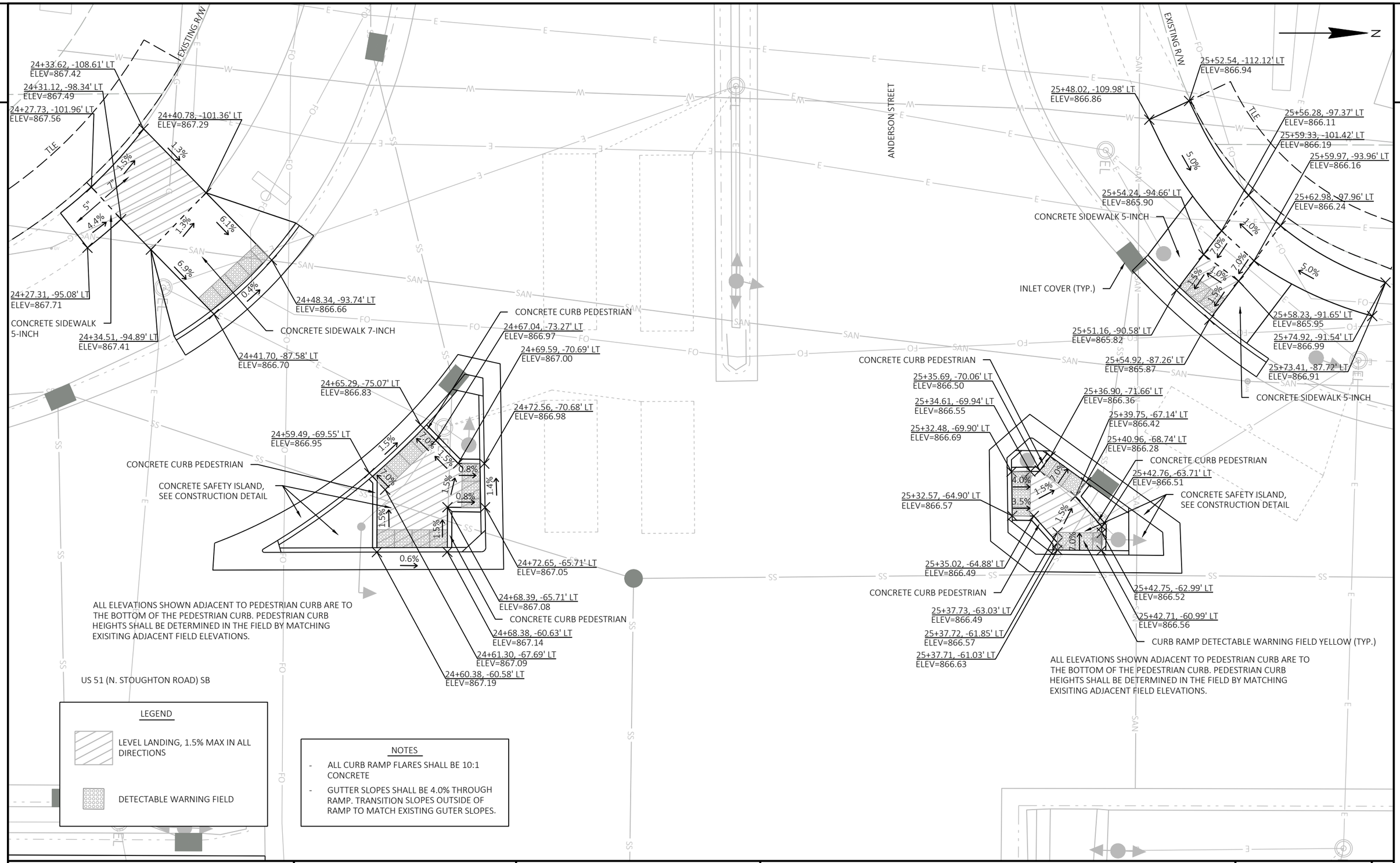
1.5%
6.5%
2.5%
7.0%
1.5%
1.5%
1.5%
1.5%
5.0%

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CURB RAMP DETAILS: USH 151 (E. WASHINGTON AVENUE)	SHEET 28	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021301-cr

PLOT DATE : 7/16/2022 5:29 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



LEGEND

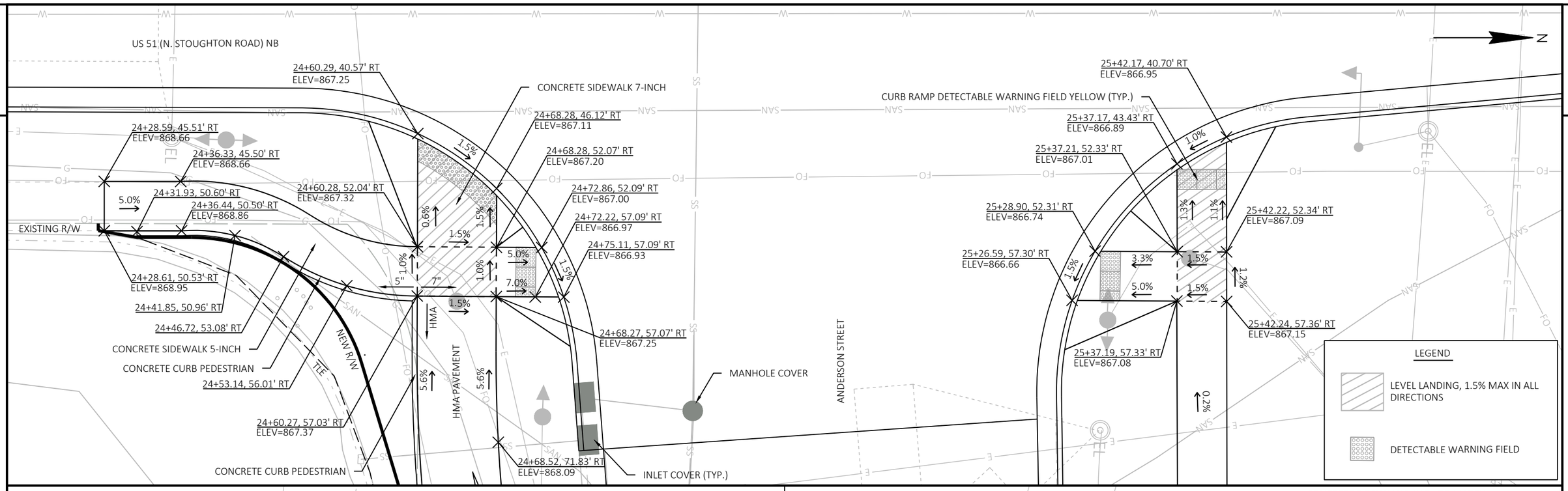
LEVEL LANDING, 1.5% MAX IN ALL DIRECTIONS

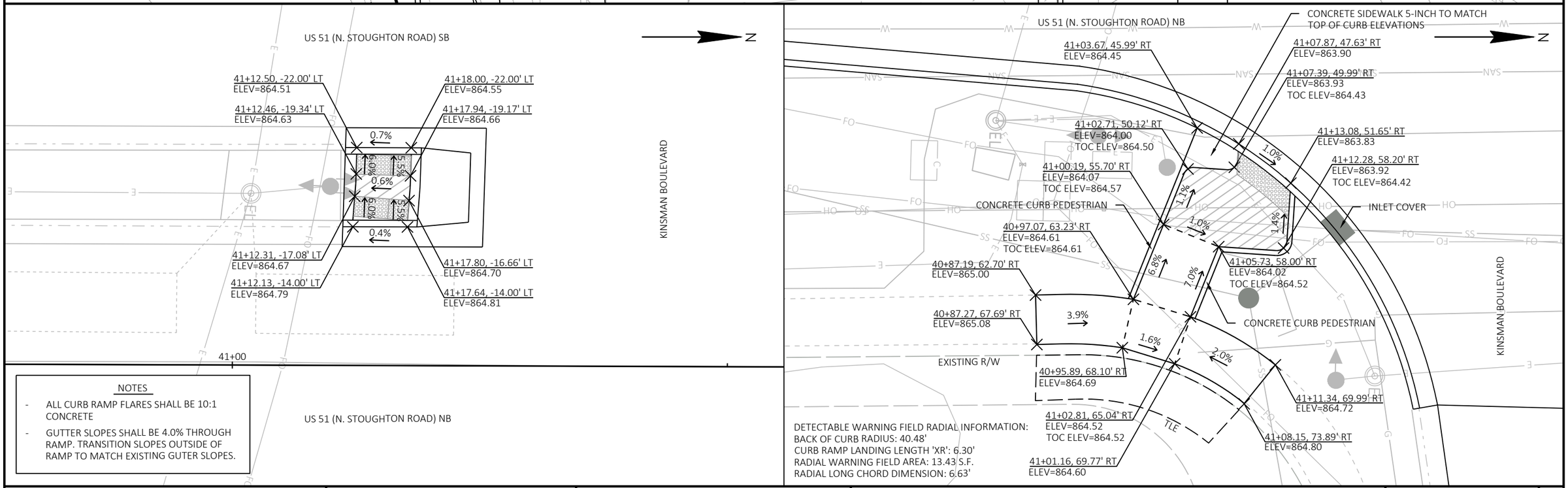
DETECTABLE WARNING FIELD

NOTES

- ALL CURB RAMP FLARES SHALL BE 10:1 CONCRETE
- GUTTER SLOPES SHALL BE 4.0% THROUGH RAMP. TRANSITION SLOPES OUTSIDE OF RAMP TO MATCH EXISTING GUTER SLOPES.

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CURB RAMP DETAILS: ANDERSON STREET	SHEET 29	E





NOTES

- ALL CURB RAMP FLARES SHALL BE 10:1 CONCRETE
- GUTTER SLOPES SHALL BE 4.0% THROUGH RAMP. TRANSITION SLOPES OUTSIDE OF RAMP TO MATCH EXISTING GUTER SLOPES.

DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS: 40.48'
CURB RAMP LANDING LENGTH 'XR': 6.30'
RADIAL WARNING FIELD AREA: 13.43 S.F.
RADIAL LONG CHORD DIMENSION: 6.63'

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CURB RAMP DETAILS: ANDERSON STREET & KINSMAN BOULEVARD	SHEET 30	E

2

N

41+24.98, -101.51' LT
ELEV=864.21

41+29.95, -101.19' LT
ELEV=864.13

41+29.04, -86.87' LT
ELEV=863.58

41+24.04, -87.10' LT
ELEV=863.65

41+36.72, -86.51' LT
ELEV=863.46

41+23.72, -82.17' LT
ELEV=863.58

41+22.06, -79.51' LT
ELEV=863.79

41+35.72, -81.55' LT
ELEV=863.41

41+28.71, -81.87' LT
ELEV=863.51

41+25.97, -76.38' LT
ELEV=863.71

41+82.87, -83.81' LT
ELEV=863.62

41+77.25, -84.03' LT
ELEV=863.53

41+94.83, -83.26' LT
ELEV=864.10

42+00.58, -83.01' LT
ELEV=864.07

41+82.65, -78.81' LT
ELEV=863.56

41+77.07, -79.06' LT
ELEV=863.48

42+00.16, -78.02' LT
ELEV=864.15

41+94.60, -78.27' LT
ELEV=864.11

42+42.82, -91.17' LT
ELEV=864.44

42+37.81, -91.35' LT
ELEV=864.37

42+37.49, -81.35' LT
ELEV=863.91

42+42.48, -81.12' LT
ELEV=863.99

42+31.27, -81.64' LT
ELEV=863.82

42+42.30, -76.15' LT
ELEV=864.02

42+33.34, -76.47' LT
ELEV=863.89

KINSMAN BOULEVARD

EXISTING R/W

INLET COVER (TYP.)

MANHOLE COVER

CURB RAMP DETECTABLE WARNING FIELD YELLOW (TYP.)

CONCRETE CURB PEDESTRIAN

US 51 (N. STOUGHTON ROAD) SB

NOTES

- ALL CURB RAMP FLARES SHALL BE 10:1 CONCRETE
- GUTTER SLOPES SHALL BE 4.0% THROUGH RAMP. TRANSITION SLOPES OUTSIDE OF RAMP TO MATCH EXISTING GUTER SLOPES.

LEGEND

LEVEL LANDING, 1.5% MAX IN ALL DIRECTIONS

DETECTABLE WARNING FIELD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CURB RAMP DETAILS: KINSMAN BOULEVARD	SHEET 31	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021304-cr

PLOT DATE : 7/16/2022 5:29 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

2

N

ANDERSON STREET

DANE COUNTY TRUAX AIR PARK
3550 ANDERSON ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PI: 24+45.83

PI: 25+42.03

PI: 29+10.16

24+00

25+00

26+00

27+00

28+00

29+00

GRASS

CONCRETE

ASPHALT

SS

GUY

KWIK TRIP INC
1625 N STOUGHTON RD

N. STOUGHTON SERVICE ROAD

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- EROSION MAT URBAN CLASS I TYPE A
- ASPHALTIC SURFACE TEMPORARY
- BASE AGGREGATE SHOULDER

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL: STAGE 1A	SHEET 32	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC1.DWG
LAYOUT NAME - 022004-ec1

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

CONCRETE

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

33+00 34+00 35+00 36+00 37+00 38+00 39+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

ASPHALT

GUY

GRASS

GRASS

GRASS

GUY

BARTILLON DRIVE

DANLILY LLC
1904 BARTILLION DR

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- EROSION MAT URBAN CLASS I TYPE A
- ASPHALTIC SURFACE TEMPORARY
- BASE AGGREGATE SHOULDER

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL: STAGE 1C	SHEET 33	E

2

2

N

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

PI: 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE
CONCRETE
CONCRETE
CONCRETE
GRASS
GRASS
GRASS
GRASS

46+00 47+00 48+00 49+00 50+00 51+00 52+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT
ASPHALT
ASPHALT
GRASS
GRASS
GRASS
GRASS
GRAVEL
GUY
ASPHALT
ASPHALT
SIGN
ENVIRONMENTALLY SENSITIVE AREA

HECTOR ADAME LLC
2115 N STOUGHTON
RD

HECTOR ADAME LLC 2123 N
STOUGHTON RD

UNPUBLISHED
2125 STOUGTHON RD

PETER GARTMANN
2129 STOUGHTON RD

DLZ2X LLC
2149 STOUGHTON RD

DLZ2X LL
2203 LEO
TOWN OF B

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- EROSION MAT URBAN CLASS I TYPE A
- ASPHALTIC SURFACE TEMPORARY
- BASE AGGREGATE SHOULDER

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL: STAGE 1C	SHEET 34	E

2

2

N

PIERSTORFF STREET

GUY

PI: 53+29.36

EP: 54+92.90

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

CONC.

GRASS

CONC.

53+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

GRASS

GRASS

GRASS

ASPHALT

PIERSTORFF STREET

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- EROSION MAT URBAN CLASS I TYPE A
- ASPHALTIC SURFACE TEMPORARY
- BASE AGGREGATE SHOULDER

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL: STAGE 1C	SHEET 35	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC1.DWG
LAYOUT NAME - 022003-ec1

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

USH 151 (E. WASHINGTON AVENUE)

GRASS

GRASS

ASPHALT

GRASS

GRASS

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

PI: 13+33.56

CONCRETE

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14

MATCH LINE STA. 14+00

USH 51 (N. STOUGHTON ROAD) NB

GRASS

CONCRETE

GRASS

LANDSCAPING

ASPHALT

GRASS

CONC

GRASS

BLOCK PLANTER
& SIGN

ASPHALT

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

GRASS

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 36	E

2

N

GUY

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PI: 17+73.25

PI: 18+24.11

PI: 19+77.19

14+00

15+00

16+00

17+00

18+00

19+00

20

B

C

C

CONCRETE

ASPHALT

SS

GRASS

BEAMGUARD

\STGREEN SUB LLC.
E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

SAO ENTERPRISES LLC
1601 N STOUGHTON RD

UNPUBLISHED
1609 N STOUGHTON RD

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 37	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

ASPHALT

ASPHALT

ANDERSON STREET

GRASS

GRASS

GRASS

GRASS

SS

SS

SS

SS

SS

CONCRETE

CONCRETE

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

Pl: 21+18.29

Pl: 24+45.83

Pl: 25+42.03

C

C

C

C

C

C

C

C

C

C

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

00

21+00

22+00

23+00

24+00

25+00

26

USH 51 (N. STOUGHTON ROAD) NB

C

C

C

C

C

C

C

C

GRASS

GRASS

GRASS

GRASS

GRASS

BOULDER WALL

CONCRETE

CONCRETE

ASPHALT

ASPHALT

ASPHALT

CONCRETE

ASPHALT

KWIK TRIP INC
1625 N STOUGHTON RD

N. STOUGHTON SERVICE ROAD

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 38	E

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE)

N

DANE COUNTY TRUAX AIR PARK
3550 ANDERSON ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

N. STOUGHTON SERVICE ROAD

ORIN ROAD

PI: 29+10.16

PI: 31+63.97

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

CONCRETE

GRASS

ASPHALT

GUY

SS

CONC.

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 39	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

CONCRETE

CONCRETE

GRASS

GRASS

MATCH LINE STA. 32+00

35+00

36+00

37+00

38

MATCH LINE STA. 38+00

USH 51 (N. STOUGHTON ROAD) NB

C

C C

ASPHALT

ASPHALT

ASPHALT

GRASS

GRASS

GRASS

GUY

GUY

BARTILLON DRIVE

ASPHALT

DANLILY LLC
1904 BARTILLION DR

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 40	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

JOMA INDUSTRIES INC
1925 WRIGHT ST

KINSMAN BOULEVARD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PI: 42+23.58

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

39+00 40+00 41+00 42+00 43+00

CONCRETE GRASS ASPHALT SS C

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 41	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022006-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

PI: 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

CONCRETE

CONCRETE

CONCRETE

47+00

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

ASPHALT

ASPHALT

GRASS

GRASS

GRASS

GRASS

GRAVEL

GUY

ASPHALT

ASPHALT

SIGN

RUST 3700
D

HECTOR ADAME LLC
2115 N STOUGHTON
RD

HECTOR ADAME LLC 2123 N
STOUGHTON RD

UNPUBLISHED
2125 STOUGTHON RD

PETER GARTMANN
2129 STOUGHTON RD

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 42	E

2

2

N

MATCH LINE STA. 50+00

MATCH LINE 'A'

PIERSTORFF STREET

GUY

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

PI: 53+29.36

EP: 54+92.90

CONCRETE

CONC. GRASS CONC.

GRASS

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

GRASS

ENVIRONMENTALLY SENSITIVE AREA

GRASS

ASPHALT

GRASS

GRASS

ASPHALT

DLZ2X LLC
2203 LEO CIR
TOWN OF BURKE

PIERSTORFF STREET

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 43	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022008-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 'A'

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

LEO CIRCLE

MATCH LINE 'B'

ENVIRONMENTALLY SENSITIVE AREA

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 44	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022009-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

USH 51 (N. STOUGHTON ROAD) SB

A

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'B'

ENVIRONMENTALLY SENSITIVE AREA

NOTE: THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION IN THE FIELD. ALL EROSION MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. THE CONTRACTOR SHALL REMOVE ITEMS AT THE ENGINEER'S DIRECTION.

EROSION CONTROL LEGEND

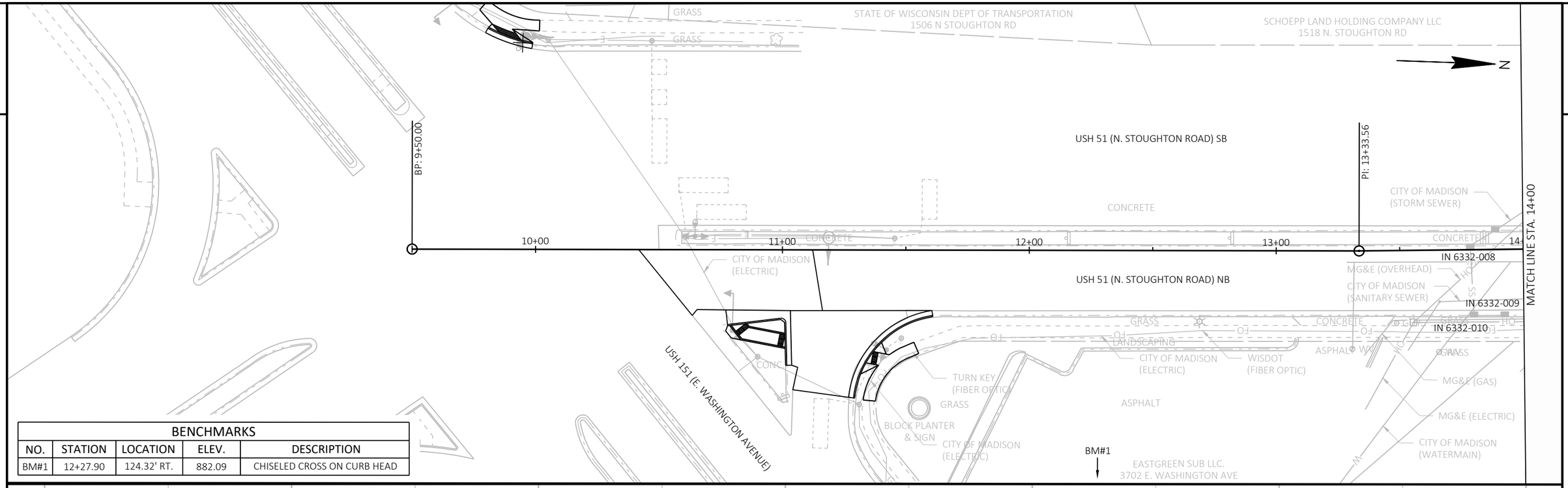
- DRAINAGE FLOW ARROW
- SLOPE INTERCEPTS
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- INLET PROTECTION (TYPE) (X)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	EROSION CONTROL	SHEET 45	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022010-ec

PLOT DATE : 7/16/2022 8:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#1	12+27.90	124.32' RT.	882.09	CHISELED CROSS ON CURB HEAD

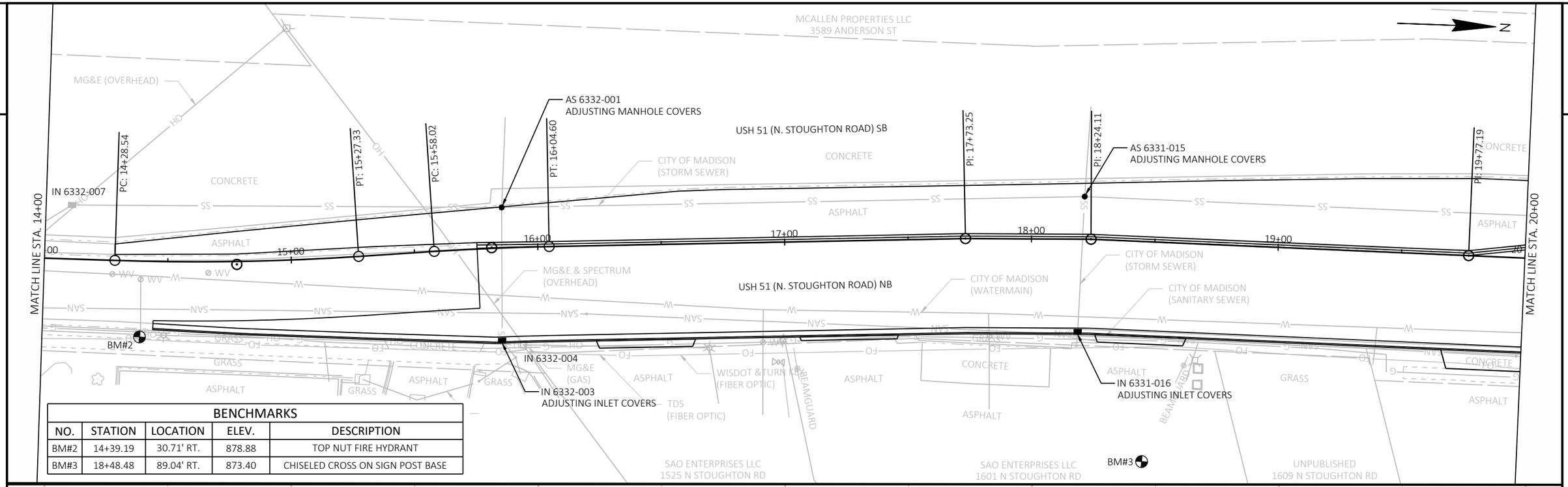
885
880
875
870

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 46	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss

PLOT DATE : 7/16/2022 8:42 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

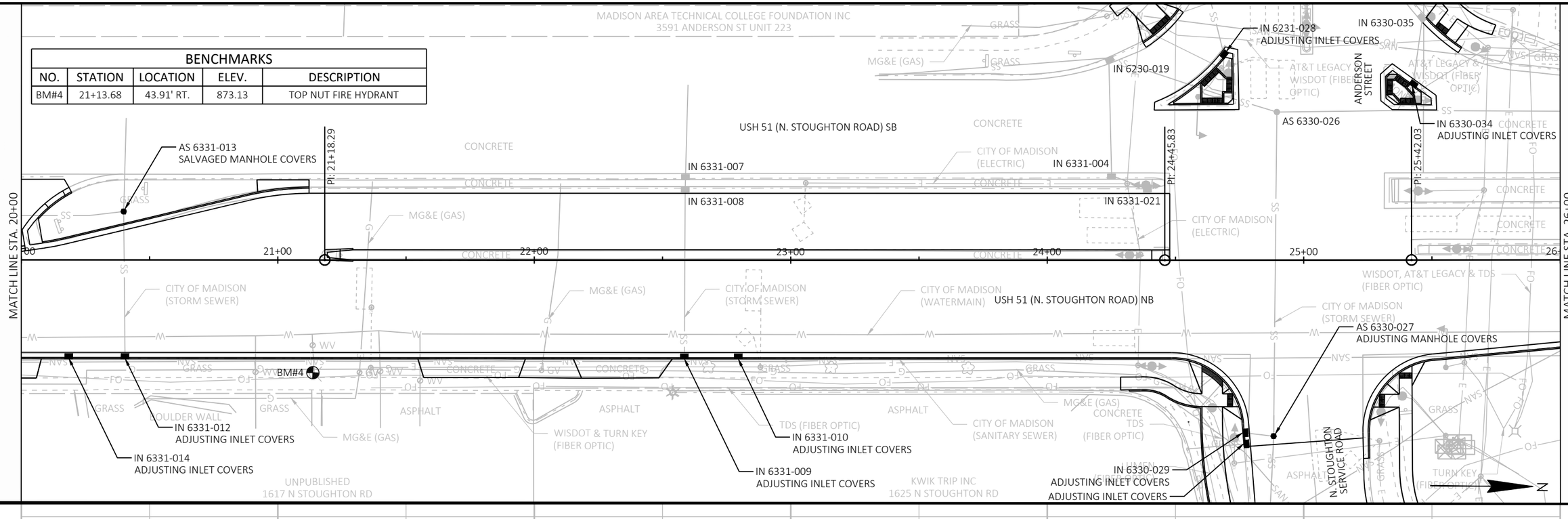


BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#2	14+39.19	30.71' RT.	878.88	TOP NUT FIRE HYDRANT
BM#3	18+48.48	89.04' RT.	873.40	CHISELED CROSS ON SIGN POST BASE

875 870 865 860

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 47	E

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#4	21+13.68	43.91' RT.	873.13	TOP NUT FIRE HYDRANT



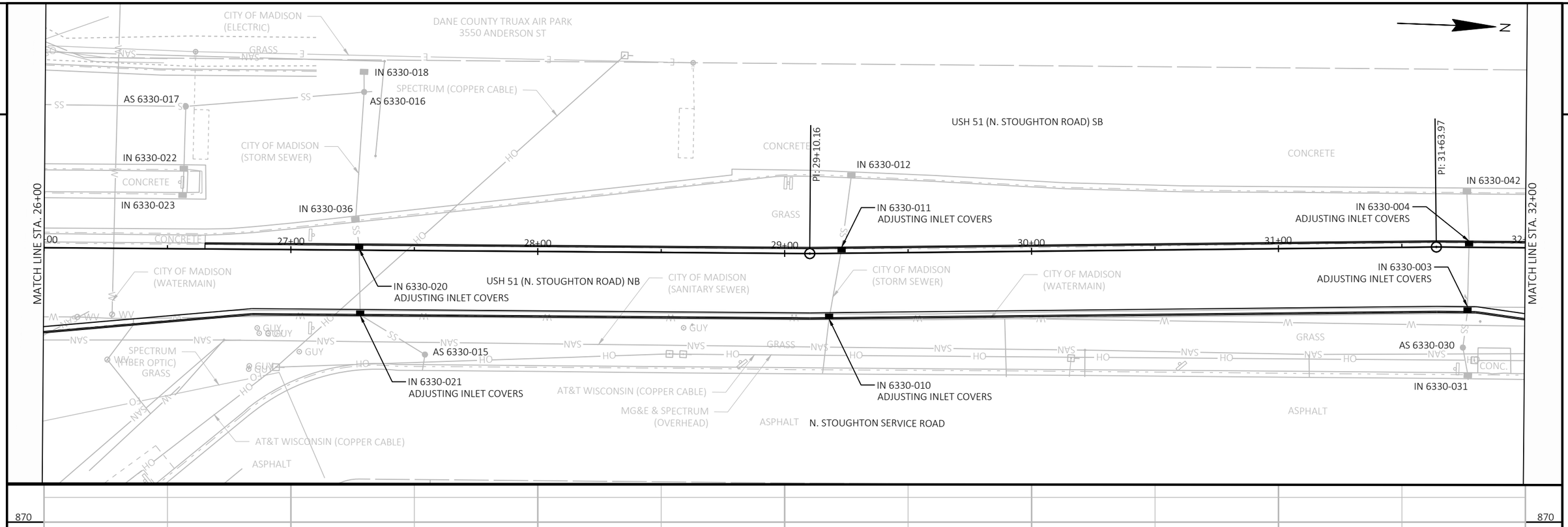
875
870
865
860

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 48	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss

PLOT DATE : 9/23/2022 8:30 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



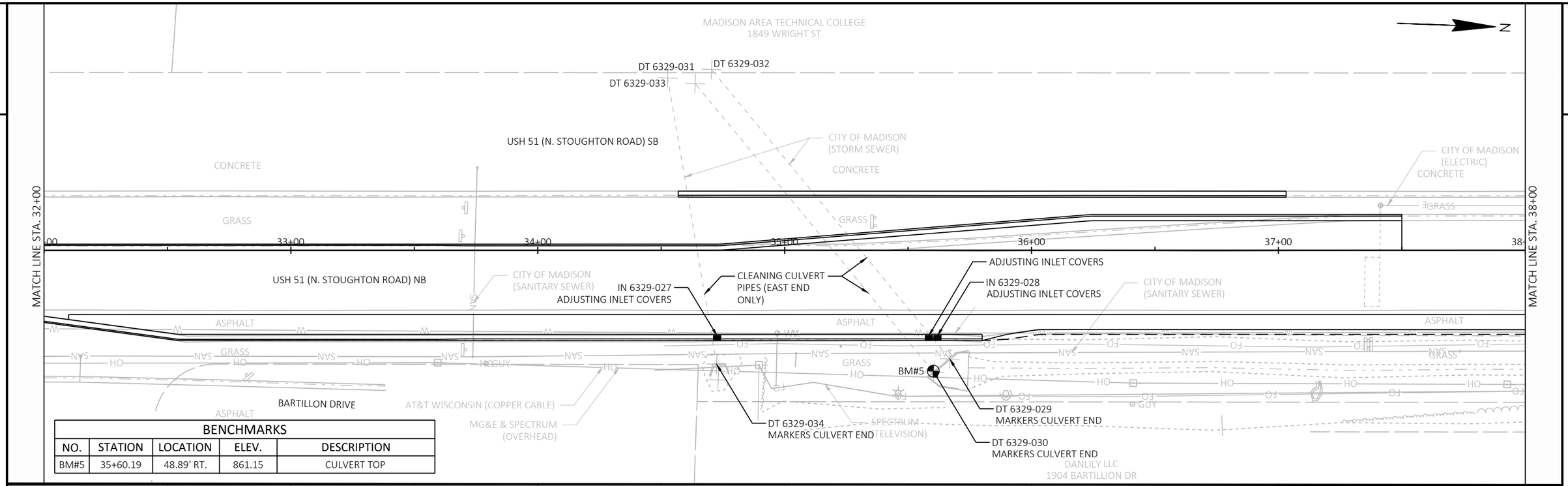
870
865
860
855

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 49	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504-ss

PLOT DATE : 7/16/2022 8:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#5	35+60.19	48.89' RT.	861.15	CULVERT TOP

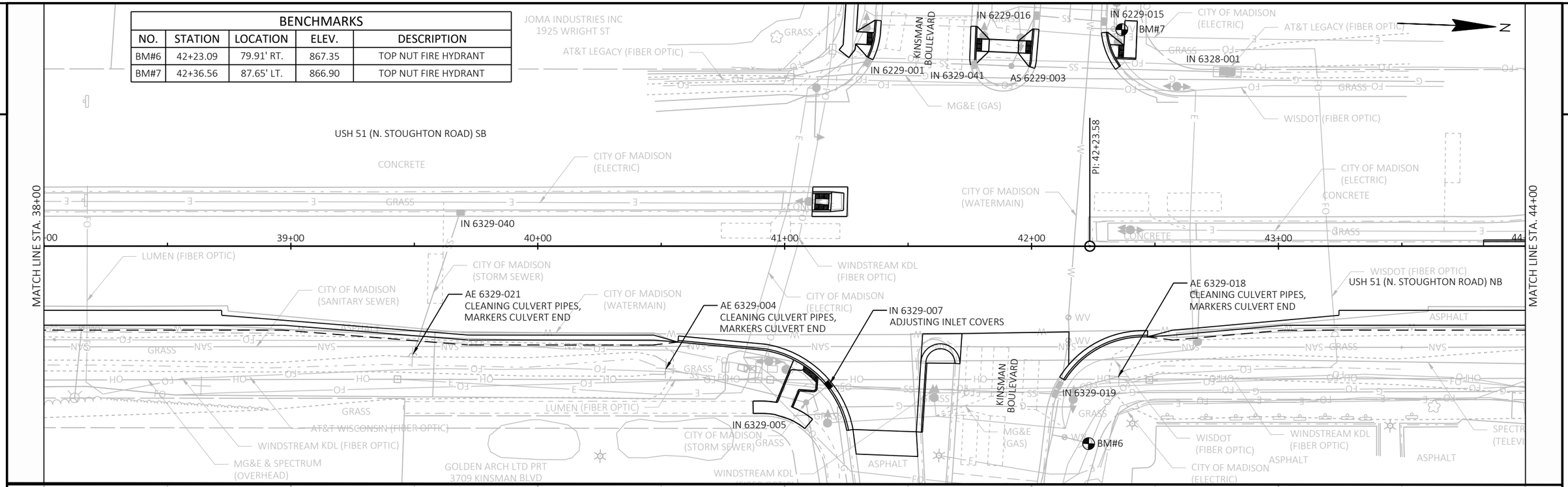
870
865
860
855

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 50	E

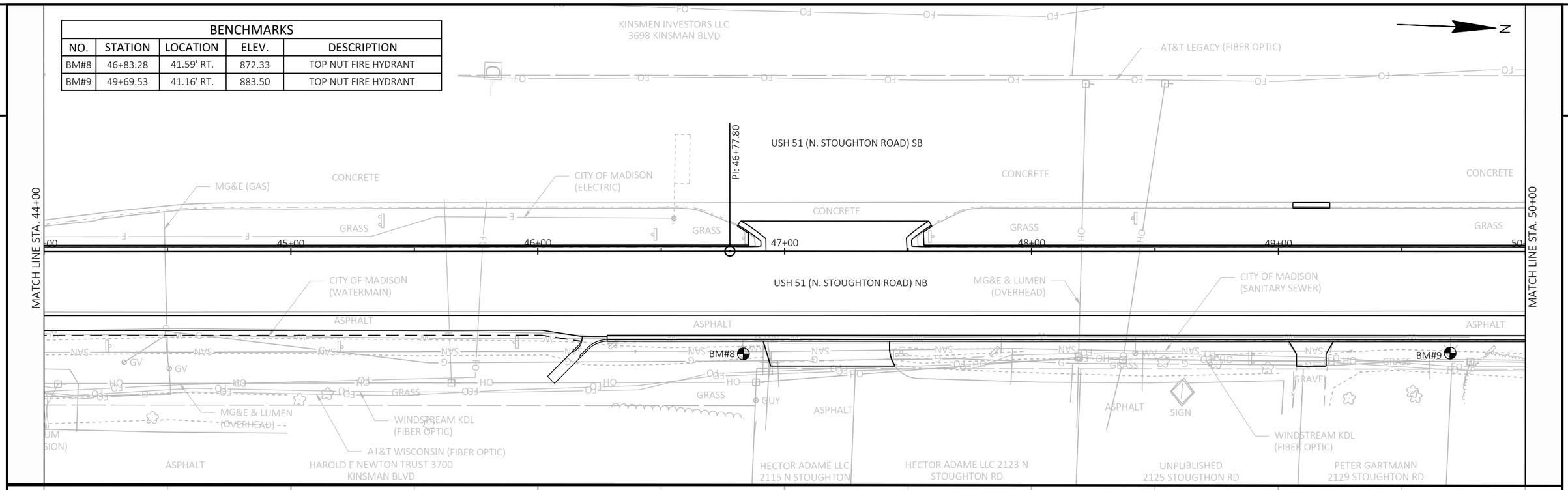
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505-ss

PLOT DATE : 7/16/2022 8:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#6	42+23.09	79.91' RT.	867.35	TOP NUT FIRE HYDRANT
BM#7	42+36.56	87.65' LT.	866.90	TOP NUT FIRE HYDRANT



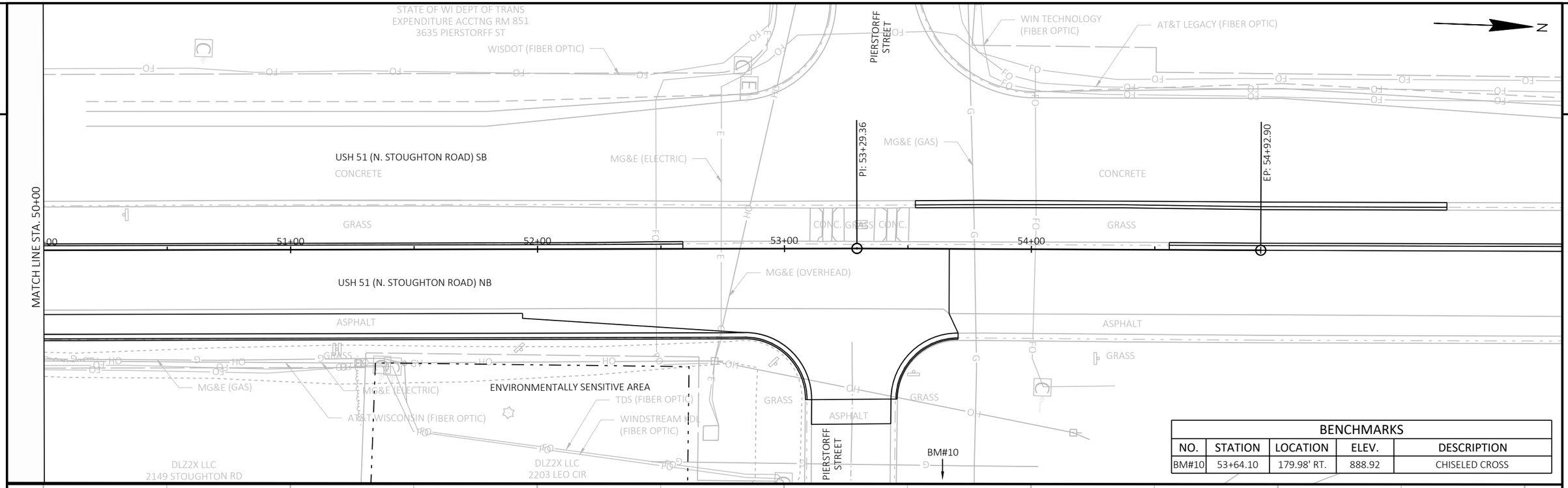
BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#8	46+83.28	41.59' RT.	872.33	TOP NUT FIRE HYDRANT
BM#9	49+69.53	41.16' RT.	883.50	TOP NUT FIRE HYDRANT



880
875
870
865

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 52	E

2



BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#10	53+64.10	179.98' RT.	888.92	CHISELED CROSS

895 890 885 880

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	STORM SEWER	SHEET 53	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022508-ss

PLOT DATE : 7/16/2022 8:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

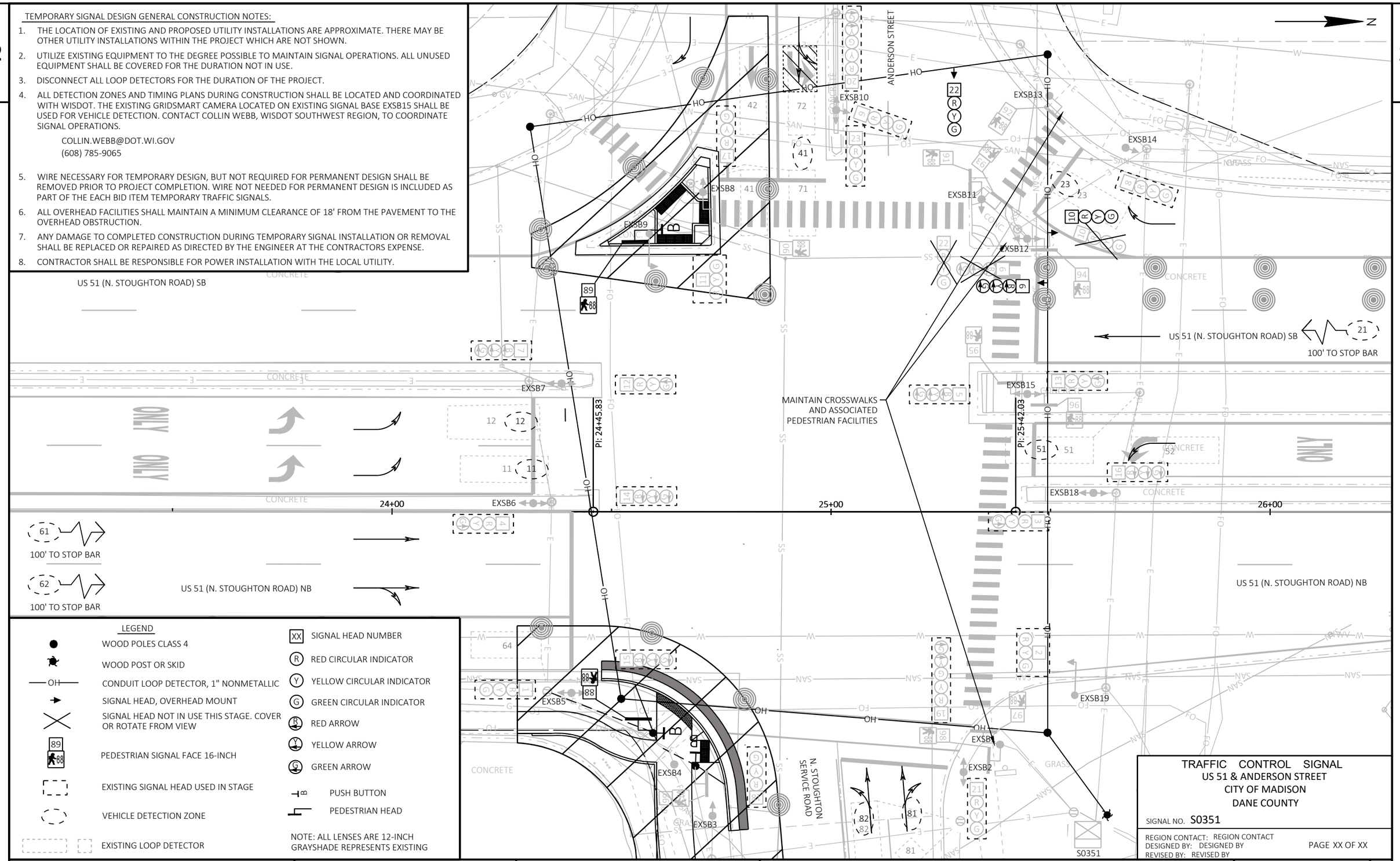
TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. UTILIZE EXISTING EQUIPMENT TO THE DEGREE POSSIBLE TO MAINTAIN SIGNAL OPERATIONS. ALL UNUSED EQUIPMENT SHALL BE COVERED FOR THE DURATION NOT IN USE.
3. DISCONNECT ALL LOOP DETECTORS FOR THE DURATION OF THE PROJECT.
4. ALL DETECTION ZONES AND TIMING PLANS DURING CONSTRUCTION SHALL BE LOCATED AND COORDINATED WITH WISDOT. THE EXISTING GRIDSMART CAMERA LOCATED ON EXISTING SIGNAL BASE EXSB15 SHALL BE USED FOR VEHICLE DETECTION. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

   COLLIN.WEBB@DOT.WI.GOV

   (608) 785-9065

5. WIRE NECESSARY FOR TEMPORARY DESIGN, BUT NOT REQUIRED FOR PERMANENT DESIGN SHALL BE REMOVED PRIOR TO PROJECT COMPLETION. WIRE NOT NEEDED FOR PERMANENT DESIGN IS INCLUDED AS PART OF THE EACH BID ITEM TEMPORARY TRAFFIC SIGNALS.
6. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
7. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.



LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- G — GREEN ARROW
- B — PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET 54	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST1A.DWG
LAYOUT NAME - 024201-st1a

PLOT DATE : 7/15/2022 3:33 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

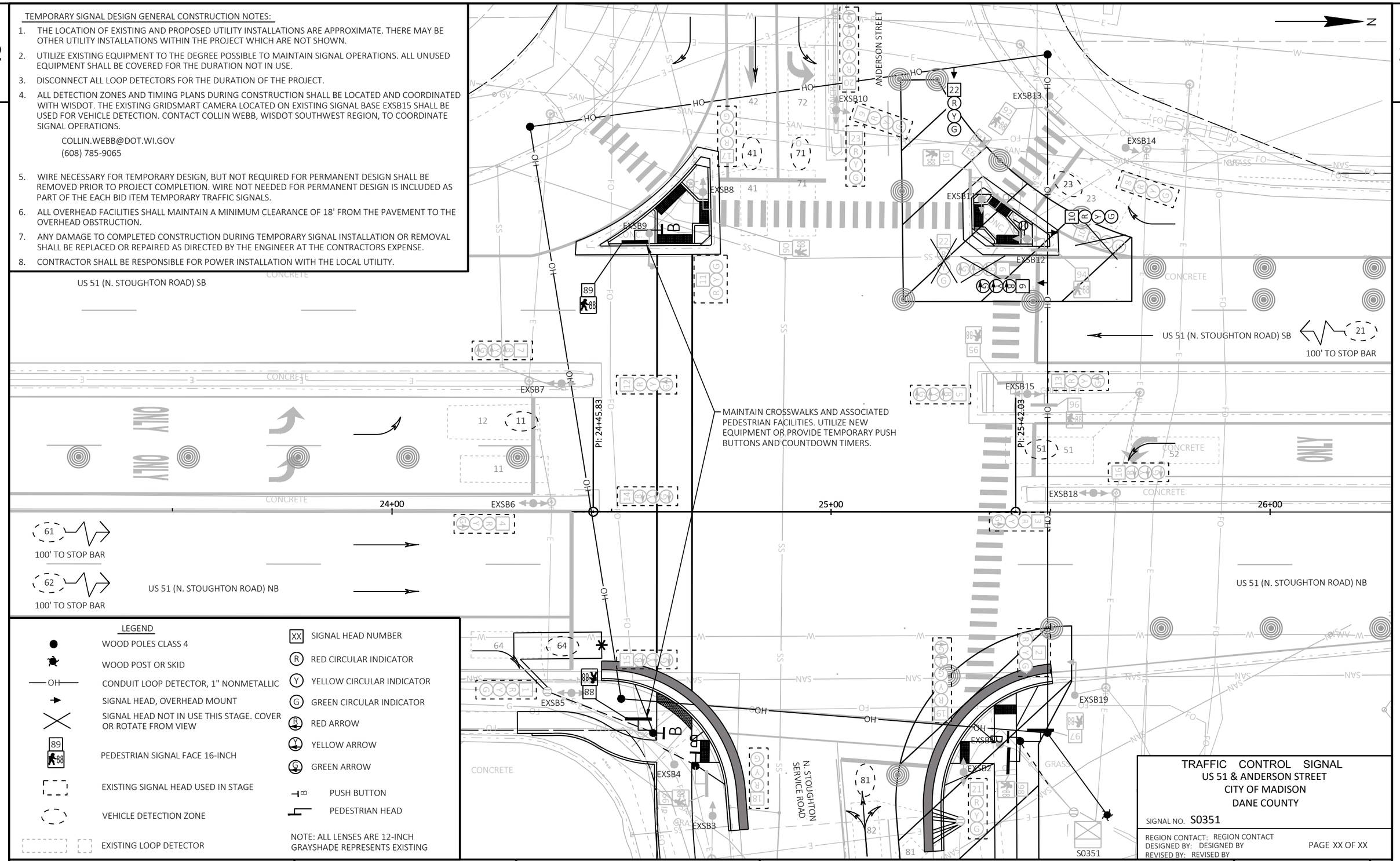
TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. UTILIZE EXISTING EQUIPMENT TO THE DEGREE POSSIBLE TO MAINTAIN SIGNAL OPERATIONS. ALL UNUSED EQUIPMENT SHALL BE COVERED FOR THE DURATION NOT IN USE.
3. DISCONNECT ALL LOOP DETECTORS FOR THE DURATION OF THE PROJECT.
4. ALL DETECTION ZONES AND TIMING PLANS DURING CONSTRUCTION SHALL BE LOCATED AND COORDINATED WITH WISDOT. THE EXISTING GRIDSMART CAMERA LOCATED ON EXISTING SIGNAL BASE EXSB15 SHALL BE USED FOR VEHICLE DETECTION. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

   COLLIN.WEBB@DOT.WI.GOV

   (608) 785-9065

5. WIRE NECESSARY FOR TEMPORARY DESIGN, BUT NOT REQUIRED FOR PERMANENT DESIGN SHALL BE REMOVED PRIOR TO PROJECT COMPLETION. WIRE NOT NEEDED FOR PERMANENT DESIGN IS INCLUDED AS PART OF THE EACH BID ITEM TEMPORARY TRAFFIC SIGNALS.
6. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
7. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.



LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- 89 / 88 — PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- XX — SIGNAL HEAD NUMBER
- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- G — GREEN ARROW
- B — PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET 55	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST1B.DWG
LAYOUT NAME - 024201-st1b

PLOT DATE : 7/15/2022 3:33 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
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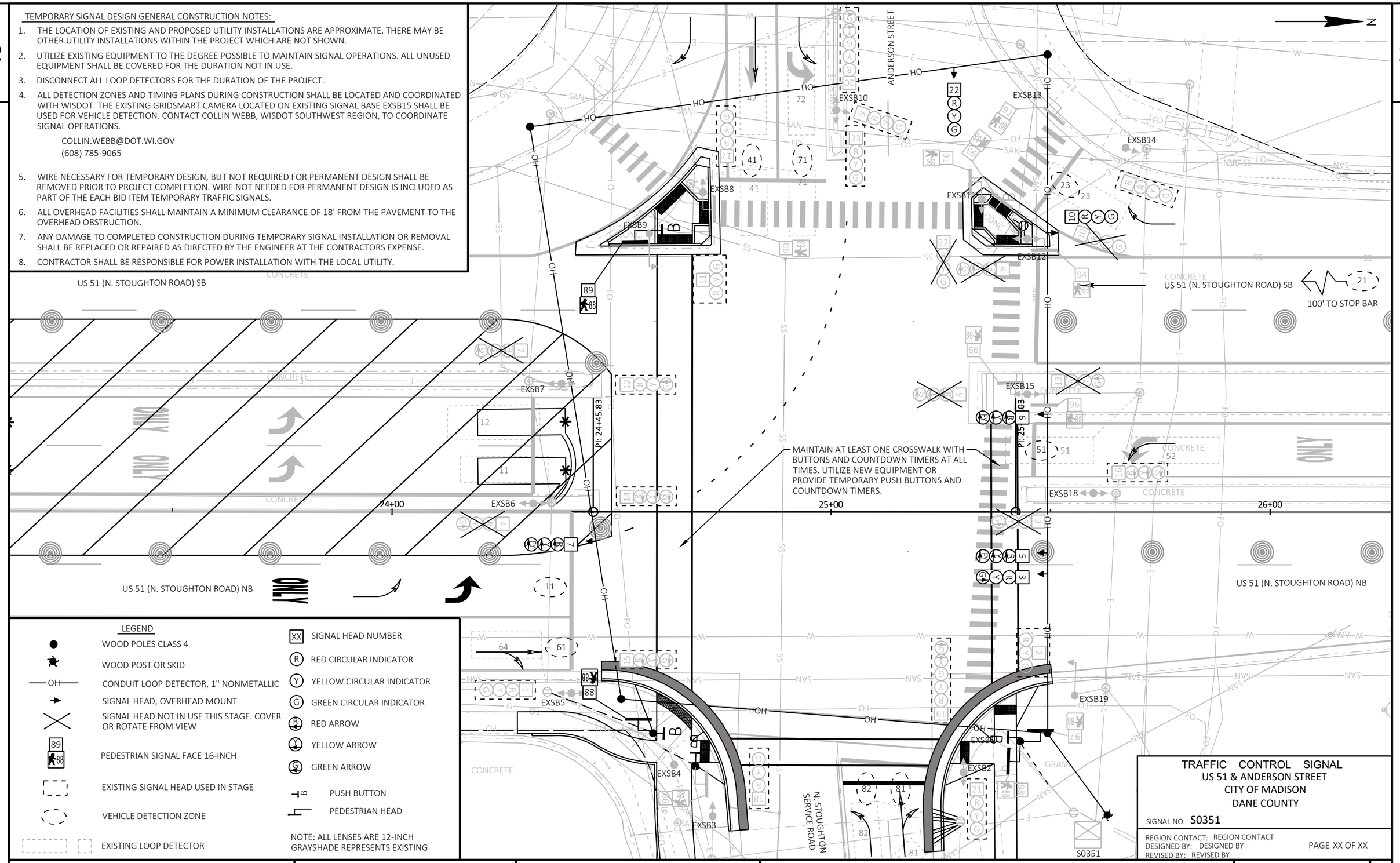

LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
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- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1C	SHEET 56	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST1C.DWG
LAYOUT NAME - 024201-st1

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
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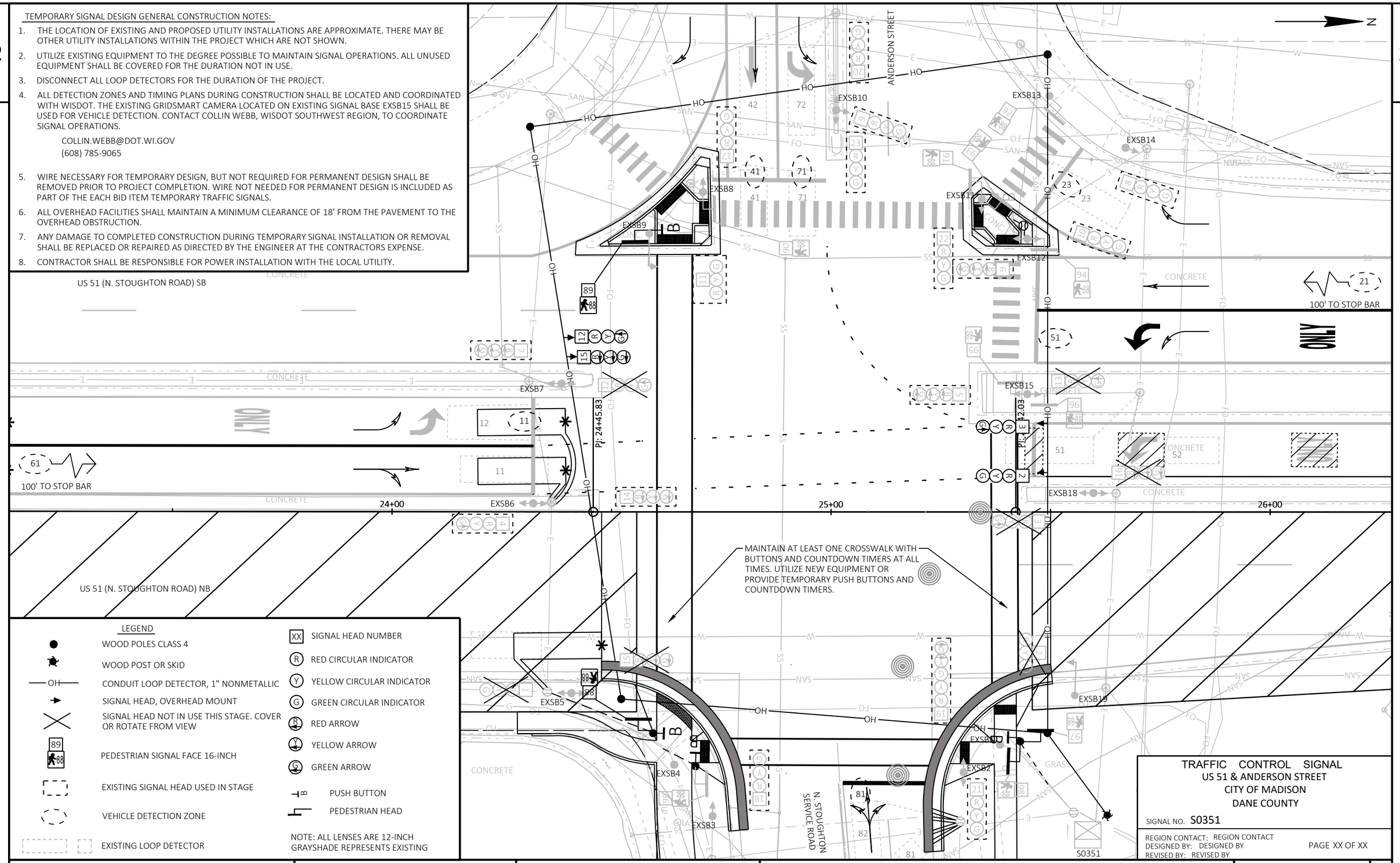

LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
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- GREEN CIRCULAR INDICATOR
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- GREEN ARROW
- PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A & 2B	SHEET 57	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST2A.DWG
LAYOUT NAME - 024101-st2ab

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

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US 51 (N. STOUGHTON ROAD) SB

US 51 (N. STOUGHTON ROAD) NB

ANDERSON STREET

EXSB7 EXSB6 EXSB5 EXSB4 EXSB3 EXSB2 EXSB8 EXSB9 EXSB10 EXSB11 EXSB12 EXSB13 EXSB14 EXSB15 EXSB18 EXSB19

MAINTAIN PEDESTRIAN CROSSINGS. UTILIZE EXISTING PEDESTRIAN PUSH BUTTONS AND COUNTDOWN TIMERS OR PROVIDE TEMPORARY FACILITIES.

TEMPORARY PEDESTRIAN SURFACE PLATE AND TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN PUSH BUTTON AND COUNTDOWN TIMER

N. STOUGHTON SERVICE ROAD

100' TO STOP BAR

LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
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- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

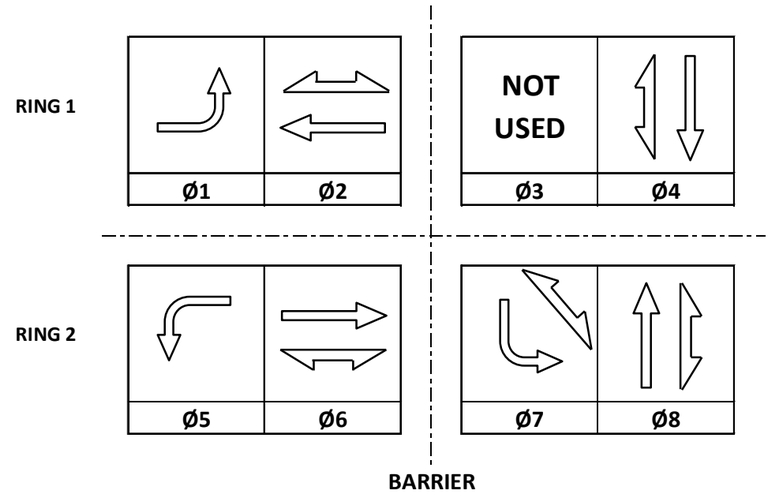
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2C	SHEET 58	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST2C.DWG
LAYOUT NAME - 024101-st2c

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	10,11,12,13	R
Ø3		
Ø4	17,18,19,20	R
Ø5	14,15,16	R
Ø6	1,2,3,4	R
Ø7	19,20	-
Ø8	21,22,23	R
Ø2P	90,91	
Ø4P	88,89	
Ø6P	98,99	
Ø7P	92,93,94,95	
Ø8P	96,97	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5				X
6	X	2	MIN	X
7			MIN	X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

GENERAL NOTES:

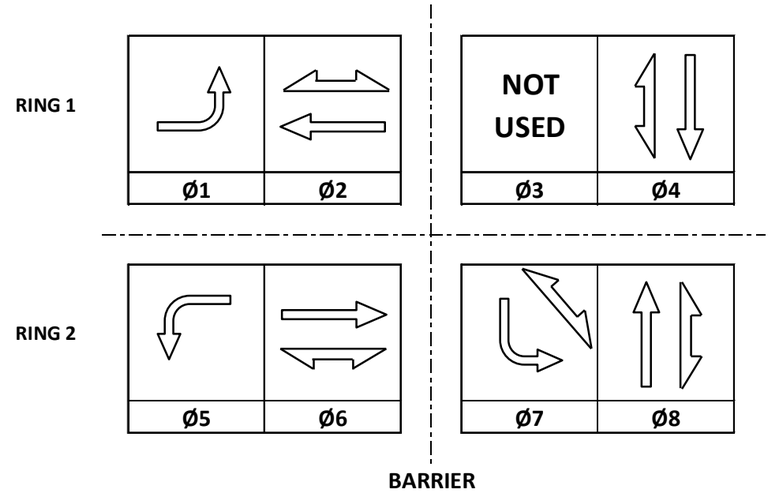
1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGES 1A & 1B
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3 WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4 ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY
SIGNAL NO: S0351 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	SEQUENCE OF OPERATIONS: STAGES 1A & 1B	SHEET NO: 59	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	10,11,12	R
Ø3		
Ø4	17,18,19,20	R
Ø5	14,15,16	R
Ø6	1,2,3	R
Ø7	19,20	-
Ø8	21,22,23	R
Ø2P	90,91	
Ø4P	88,89	
Ø6P	98,99	
Ø7P	92,93,94,95	
Ø8P	96,97	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5				X
6	X	2	MIN	X
7			MIN	X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

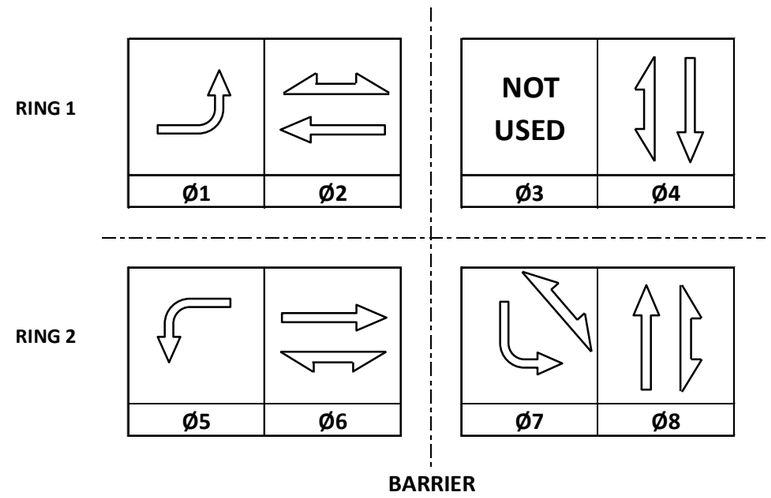
GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGES 1C
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4. ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO: S0351 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	10,11,12	R
Ø3		
Ø4	17,18,19,20	R
Ø5	14,15	R
Ø6	2,3,4	R
Ø7	19,20	-
Ø8	21,22,23	R
Ø2P	90,91	
Ø4P	88,89	
Ø6P	98,99	
Ø7P	92,93,94,95	
Ø8P	96,97	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5				X
6	X	2	MIN	X
7			MIN	X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGE 2A & 2B
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3 WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4 ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

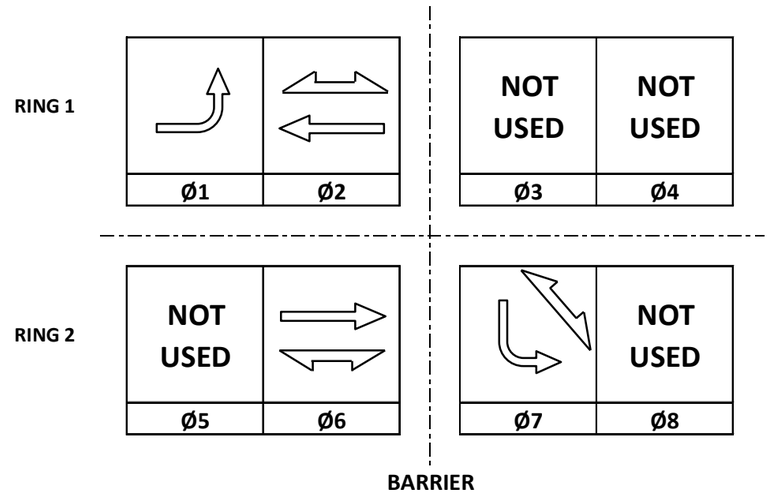
SIGNAL NO: S0351 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	SEQUENCE OF OPERATIONS: STAGES 2A & 2B	SHEET NO: 61	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

2

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ↙
Ø2	10,11,12	R
Ø3		
Ø4		
Ø5		
Ø6	2,3,4	R
Ø7	19,20	-
Ø8		
Ø2P	90,91	
Ø4P		
Ø6P	98,99	
Ø7P	92,93,94,95	
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4				
5				
6	X	2	MIN	X
7			MIN	X
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)									PLAN LOOP DETECTOR*(S)
CALLED PHASE									CALLED PHASE
CALL OPTION									CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION									EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL									USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGE 2C
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4. ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO: S0351 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	SEQUENCE OF OPERATIONS: STAGES 2C	SHEET NO: 62	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. UTILIZE EXISTING EQUIPMENT TO THE DEGREE POSSIBLE TO MAINTAIN SIGNAL OPERATIONS. ALL UNUSED EQUIPMENT SHALL BE COVERED FOR THE DURATION NOT IN USE.
3. DISCONNECT ALL LOOP DETECTORS FOR THE DURATION OF THE PROJECT.
4. ALL DETECTION ZONES AND TIMING PLANS DURING CONSTRUCTION SHALL BE LOCATED AND COORDINATED WITH WISDOT. THE EXISTING GRIDSMART CAMERA LOCATED ON EXISTING SIGNAL BASE SB111 SHALL BE USED FOR VEHICLE DETECTION. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

   COLLIN.WEBB@DOT.WI.GOV
   (608) 785-9065

5. WIRE NECESSARY FOR TEMPORARY DESIGN, BUT NOT REQUIRED FOR PERMANENT DESIGN SHALL BE REMOVED PRIOR TO PROJECT COMPLETION. WIRE NOT NEEDED FOR PERMANENT DESIGN IS INCLUDED AS PART OF THE EACH BID ITEM TEMPORARY TRAFFIC SIGNALS.
6. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
7. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.

MAINTAIN PEDESTRIAN CROSSINGS. UTILIZE EXISTING PEDESTRIAN PUSH BUTTONS AND COUNTDOWN TIMERS OR PROVIDE TEMPORARY FACILITIES.

LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0653

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2A	SHEET 63	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST2A.DWG
LAYOUT NAME - 024102-st2a

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. UTILIZE EXISTING EQUIPMENT TO THE DEGREE POSSIBLE TO MAINTAIN SIGNAL OPERATIONS. ALL UNUSED EQUIPMENT SHALL BE COVERED FOR THE DURATION NOT IN USE.
3. DISCONNECT ALL LOOP DETECTORS FOR THE DURATION OF THE PROJECT.
4. ALL DETECTION ZONES AND TIMING PLANS DURING CONSTRUCTION SHALL BE LOCATED AND COORDINATED WITH WISDOT. THE EXISTING GRIDSMART CAMERA LOCATED ON EXISTING SIGNAL BASE SB111 SHALL BE USED FOR VEHICLE DETECTION. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

   COLLIN.WEBB@DOT.WI.GOV

   (608) 785-9065

5. WIRE NECESSARY FOR TEMPORARY DESIGN, BUT NOT REQUIRED FOR PERMANENT DESIGN SHALL BE REMOVED PRIOR TO PROJECT COMPLETION. WIRE NOT NEEDED FOR PERMANENT DESIGN IS INCLUDED AS PART OF THE EACH BID ITEM TEMPORARY TRAFFIC SIGNALS.
6. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
7. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.

US 51 (N. STOUGHTON ROAD) SB

US 51 (N. STOUGHTON ROAD) NB

MAINTAIN PEDESTRIAN CROSSINGS. UTILIZE EXISTING PEDESTRIAN PUSH BUTTONS AND COUNTDOWN TIMERS OR PROVIDE TEMPORARY FACILITIES.

100' TO STOP BAR

100' TO STOP BAR

KINSMAN BOULEVARD

KINSMAN BOULEVARD

LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0653

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2B	SHEET 64	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST2B.DWG
LAYOUT NAME - 024102-st2b

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

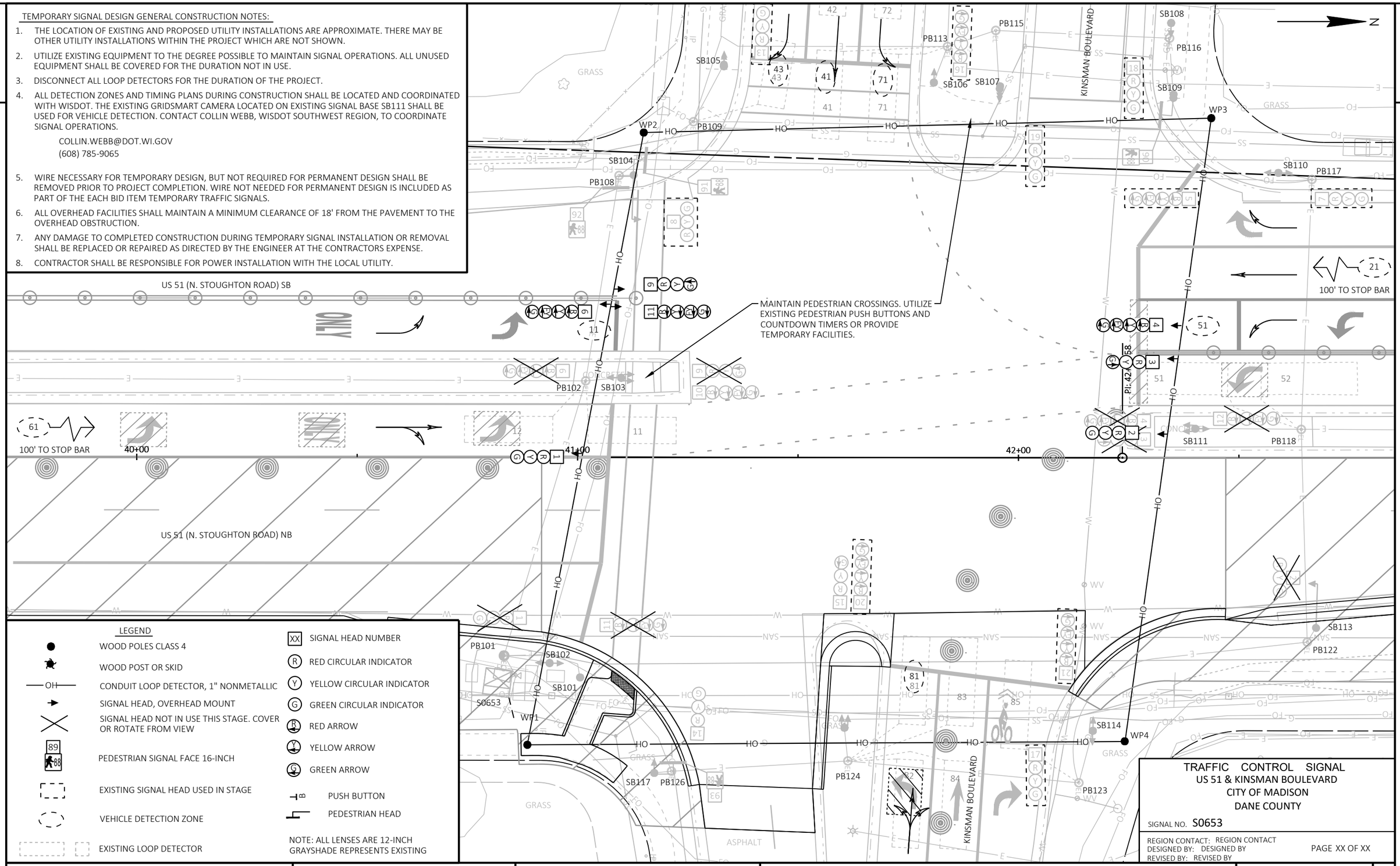
TEMPORARY SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. UTILIZE EXISTING EQUIPMENT TO THE DEGREE POSSIBLE TO MAINTAIN SIGNAL OPERATIONS. ALL UNUSED EQUIPMENT SHALL BE COVERED FOR THE DURATION NOT IN USE.
3. DISCONNECT ALL LOOP DETECTORS FOR THE DURATION OF THE PROJECT.
4. ALL DETECTION ZONES AND TIMING PLANS DURING CONSTRUCTION SHALL BE LOCATED AND COORDINATED WITH WISDOT. THE EXISTING GRIDSMART CAMERA LOCATED ON EXISTING SIGNAL BASE SB111 SHALL BE USED FOR VEHICLE DETECTION. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

   COLLIN.WEBB@DOT.WI.GOV

   (608) 785-9065

5. WIRE NECESSARY FOR TEMPORARY DESIGN, BUT NOT REQUIRED FOR PERMANENT DESIGN SHALL BE REMOVED PRIOR TO PROJECT COMPLETION. WIRE NOT NEEDED FOR PERMANENT DESIGN IS INCLUDED AS PART OF THE EACH BID ITEM TEMPORARY TRAFFIC SIGNALS.
6. ALL OVERHEAD FACILITIES SHALL MAINTAIN A MINIMUM CLEARANCE OF 18' FROM THE PAVEMENT TO THE OVERHEAD OBSTRUCTION.
7. ANY DAMAGE TO COMPLETED CONSTRUCTION DURING TEMPORARY SIGNAL INSTALLATION OR REMOVAL SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR POWER INSTALLATION WITH THE LOCAL UTILITY.



LEGEND

- WOOD POLES CLASS 4
- WOOD POST OR SKID
- OH — CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- SIGNAL HEAD, OVERHEAD MOUNT
- SIGNAL HEAD NOT IN USE THIS STAGE. COVER OR ROTATE FROM VIEW
- PEDESTRIAN SIGNAL FACE 16-INCH
- EXISTING SIGNAL HEAD USED IN STAGE
- VEHICLE DETECTION ZONE
- EXISTING LOOP DETECTOR
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- B PUSH BUTTON
- PEDESTRIAN HEAD

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0653

REGION CONTACT: REGION CONTACT
DESIGNED BY: DESIGNED BY
REVISED BY: REVISED BY

PAGE XX OF XX

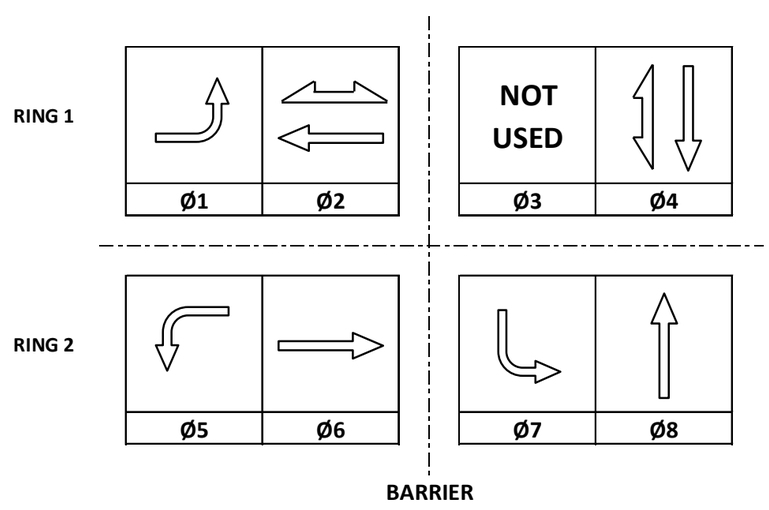
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2C	SHEET 65	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024101-ST2C.DWG
LAYOUT NAME - 024102-st2c

PLOT DATE : 7/15/2022 3:34 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9	R
Ø3		
Ø4	13,14,15	R
Ø5	10,11	-
Ø6	1,2,3	R
Ø7	16,20,21	-
Ø8	17,18,19	R
Ø2P	90,91	
Ø4P	92,93	
Ø6P		
Ø7P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5	X			X
6	X	2	MIN	X
7			MIN	X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

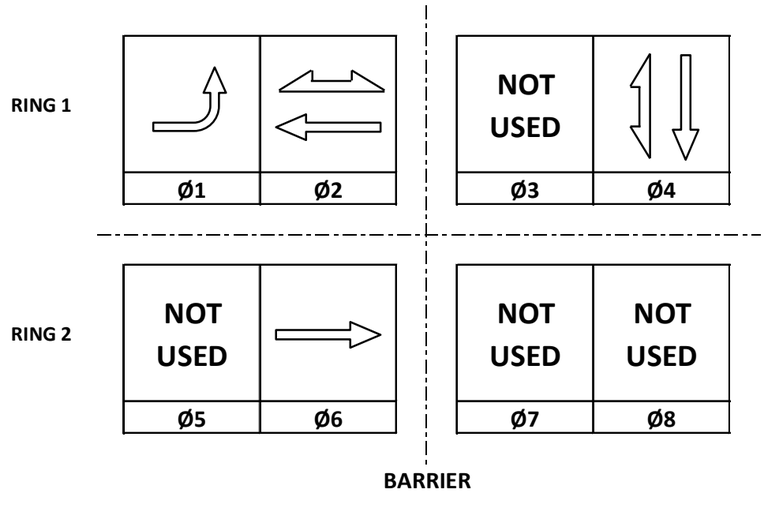
GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGE 2A & 2C
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3 WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4 ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO: S0653 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

	HEAD NUMBERS	FLASH
Ø1	4,5,6	-
Ø2	7,8,9	R
Ø3		
Ø4	13,14,16,20,21	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8		
Ø2P	90,91	
Ø4P	92,93	
Ø6P		
Ø7P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8				

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)																	PLAN LOOP DETECTOR*(S)
CALLED PHASE																	CALLED PHASE
CALL OPTION																	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION																	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

GENERAL NOTES:

1. THIS SEQUENCE OF OPERATIONS SHEET SHALL BE USED FOR STAGE 2B
2. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
3. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.
4. ADJUST AVAILABILE PEDESTRIAN CROSSINGS AS NECESSARY TO COMPLETE STAGE WORK.

USH 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO: S0653 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	SEQUENCE OF OPERATIONS: STAGES 2B	SHEET NO: 67	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

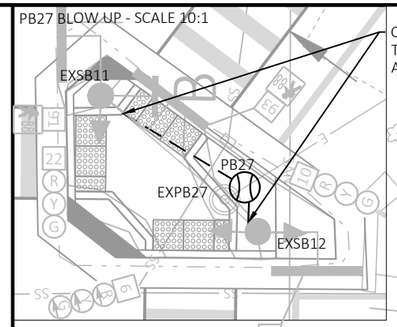
2

SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE ENGINEER SHALL INSPECT THE PULL BOXES AND CONDUIT RUNS 3 DAYS PRIOR TO PLACING SIGNAL CABLE AND ELECTRICAL WIRE INTO THE SYSTEM.
2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. RELOCATION OF ITEMS MAY IMPACT COMPLIANCE WITH MUTCD AND ADA STANDARDS. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.
4. PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS SHALL BE LOCATED PERPENDICULAR OR NEARLY PERPENDICULAR TO THE CROSSWALK, IF POSSIBLE.
5. INSTALLATION OF STYLE R10-3 SERIES SIGNS IS INCIDENTAL TO THE PEDESTRIAN PUSH BUTTON SIGNS AND SHALL BE INCLUDED ABOVE EVERY PUSH BUTTON.
6. DETECTION LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE TRAVEL LANES UNLESS OTHERWISE NOTED. DISTANCE BETWEEN MULTIPLE LOOPS SHALL BE 8 FEET. DETECTION LOOP ORIENTATION SHOWN ON PLAN.
7. TIMING PLANS SHALL BE COORDINATED WITH WISDOT. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

COLLIN.WEBB@DOT.WI.GOV
(608) 785-9065

PB27 BLOW UP - SCALE 10:1



CONNECT NEW CONDUIT TO EXISTING CONDUIT AT SB11 AND SB12

N

ANDERSON STREET

CONNECT NEW CONDUIT FROM SB13 INTO EXISTING CONDUIT

DISCONNECT AND PULL EXISTING WIRING FROM EXSB13 BACK TO EXPB20. REMOVE EXISTING TRAFFIC SIGNAL STANDARD & EQUIPMENT FROM EXSB13 AND REINSTALL ON NEW WISDOT CONCRETE BASES TYPE 1 AT SB13. RECONNECT EXISTING WIRING FROM EXPB20 TO SB13.

DISCONNECT WIRING TO EXSB11 AND EXSB12 AND PULL BACK TO EXPB21. REMOVE EXPB27 AND INSTALL NEW PB27 AND CONDUIT. REINSTALL WIRE FROM EXPB21 TO EXSB11 AND EXSB12.

EXPB19 EXPB20 EXPB14 EXSB10 EXSB13 SB13 EXSB14 EXPB21 PB22

INSTALL NEW PEDESTRIAN PUSH BUTTON AND PEDESTRIAN SIGNAL FACE 16-INCH ON EXSB9

EXPB17 EXSB8 EXSB9 (SEE PB27 BLOW UP) EXSB11 PB27 EXPB27 EXSB12

US 51 (N. STOUGHTON ROAD) SB

CONNECT INTO EXPB9

EXPB9 EXPB10 EXSB7 PI: 24+45.83 PI: 25+42.03 EXSB15 PB29

14 6 TURNS 13 5 TURNS 12 4 TURNS 11 3 TURNS

22+00 23+00 24+00 25+00 26+00 27+00

EXSB6 EXPB9 EXSB18 PB32

CONNECT INTO EXPB9

US 51 (N. STOUGHTON ROAD) NB

US 51 (N. STOUGHTON ROAD) NB

4 TURNS 62 3 TURNS 61 5 TURNS 63 64 2 TURNS EXSB5 EXPB6

EXPB8 EXPB7 EXPB6 EXPB33 EXSB19 EXSB1 SB1

CONNECT INTO EXPB8 CONNECT INTO EXPB7 CONNECT INTO EXPB6

CONNECT NEW CONDUIT FROM SB1 INTO EXISTING CONDUIT

SB19 SB4 (SEE SB4 BLOW UP) EXSB4 EXSB2 EXPB1 S0351

2 TURNS 3 TURNS 82 81 EXSB3 EXPB2 86 85 EXPB4

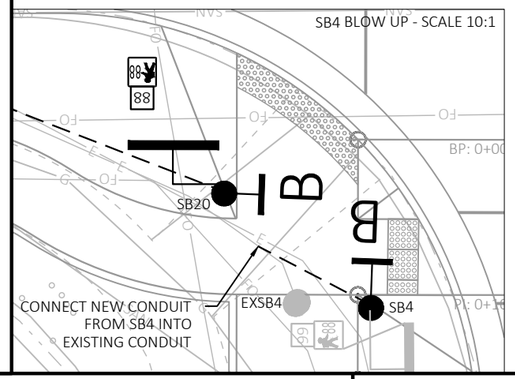
DISCONNECT AND PULL EXISTING WIRING FROM EXSB4 BACK TO EXPB6. REMOVE EXISTING TRAFFIC SIGNAL STANDARD & EQUIPMENT FROM EXSB4 AND REINSTALL ON NEW WISDOT CONCRETE BASES TYPE 1 AT SB4. RECONNECT EXISTING WIRING FROM EXPB6 TO SB4.

DISCONNECT AND PULL EXISTING WIRING FROM EXSB1 BACK TO EXPB1. REMOVE EXISTING TRAFFIC SIGNAL STANDARD & EQUIPMENT FROM EXSB1 AND REINSTALL ON NEW WISDOT CONCRETE BASES TYPE 1 AT SB1. RECONNECT EXISTING WIRING FROM EXPB1 TO SB1.

N STOUGHTON SERVICE ROAD

EXPB3

SB4 BLOW UP - SCALE 10:1



LEGEND

- PUSH BUTTON
- PEDESTRIAN HEAD
- TRAFFIC SIGNAL STANDARD
- PULL BOX, 24" X 42"
- PEDESTRIAN SIGNAL FACE 16-INCH
- NONMETALLIC CONDUIT 2"
- CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT, SIZE AS SHOWN UNLESS OTHERWISE NOTED (6'X20', 6'X6')
- EXISTING LOOP DETECTOR
- EXISTING PULL BOX, 12" X 24"
- EXISTING PULL BOX, 24" X 36"
- EXISTING PULL BOX, 24" X 42"
- NOTE: GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0351
CABINET TYPE:
CONTROLLER TYPE: EPAC

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/5/86 DENA DRAMM
REGION TRAFFIC ENGINEER

APPROVED
DATE 8/20/86 WILLIAM GILDING
STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PAGE 1 OF 2

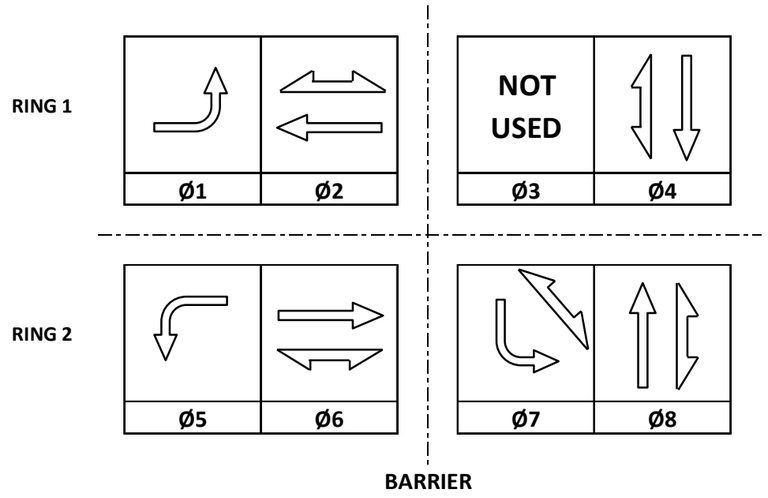
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 68	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-sp

PLOT DATE : 9/21/2022 8:19 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	10,11,12,13	R
Ø3		
Ø4	17,18,19,20	R
Ø5	14,15,16	R ←
Ø6	1,2,3,4	R
Ø7	19,20	-
Ø8	21,22,23	R
Ø2P	90,91	
Ø4P	88,89	
Ø6P	98,99	
Ø7P	92,93,94,95	
Ø8P	96,97	
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1	X			X
2	X	6	MIN	X
3				
4		8		X
5				X
6	X	2	MIN	X
7			MIN	X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	X
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S- 0653
SIGNAL SYSTEM NO:	SS- 01-02

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	12	13	14	21	22	23	41	42	51	52	61	62	63	64	71	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	1	1	2	2	2	4	4	5	5	6	6	6	6	7	CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	72	81	82	83	84	85	86										PLAN LOOP DETECTOR*(S)
CALLED PHASE	7	8	8	8	8	8	8										CALLED PHASE
CALL OPTION	X	X	X			X	X										CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X										EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL																	USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

SIGNAL NO: S0351 CABINET TYPE:
CONTROLLER TYPE:
DATE: 04/21/2022 PAGE NO. 2 OF 3

PROJECT ID:	5410-00-74
INTERSECTION	USH 51 & ANDERSON STREET

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE: 4/23/2022

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASHING YELLOW>	<GREEN>	DWALK	WALK	
SB1		7/C	97								?	?	
			98		CONFIRM WIRE COLORS DURING DISCONNECTION. MATCH FOR RECONNECTING						?	?	
			PB										?
EXSB2		15/C	19	RED	ORG	GRN		BLK		BLU			
			21	RED/BLK	ORG/BLK	GRN/BLK							
			PB										?
			BIKE										?
EXSB3		5/C	18	RED	ORG	GRN							
SB4		5/C	PB		CONFIRM WIRE COLORS DURING DISCONNECTION. MATCH FOR RECONNECTING								ORG
EXSB5		12/C	1	RED	ORG	GRN							
			15				RED/BLK	ORG/BLK		GRN/BLK			
			99								BLK	BLU	
EXSB6		9/C	4	RED	ORG					GRN			
			14				RED/BLK	WHT/BLK		GRN/BLK			
EXSB7		9/C	7				RED	ORG		GRN			
			12	RED/BLK	WHT/BLK					GRN/BLK			
EXSB8		9/C	17	RED	ORG	GRN							
			90								BLK	BLU	
			PB										WHT/BLK
			BIKE										RED/BLK
EXSB9		7/C	11	RED	ORG	GRN							
			89								BLK	BLU	
			PB										WHT/BLK
EXSB10		15/C	9	RED	ORG	GRN							
			20	RED/BLK	ORG/BLK	GRN/BLK		BLK		BLU			
			23	RED/WHT	BLK/WHT	GRN/WHT							
EXSB11		12/C	22	RED	ORG	GRN							
			91								RED/BLK	GRN/BLK	
			PB (2 PED)										ORG/BLK
			93								BLK	BLU	
			PB (7 PED)										WHT/BLK
EXSB12		12/C	6				RED	ORG		GRN			
			10	RED/BLK	ORG/BLK	GRN/BLK							
			94								BLK	BLU	
SB13		5/C	92		CONFIRM WIRE COLORS DURING DISCONNECTION. MATCH FOR RECONNECTING						RED	GRN	
			PB (7 PED)										ORG
EXSB14		5/C	8	RED	ORG	GRN							
EXSB15		15/C	5				RED	ORG		GRN			
			13	RED/BLK	ORG/BLK					GRN/BLK			
			95								BLK	BLU	
			PB (7 PED)										WHT/BLK
			96								RED/WHT	GRN/WHT	
			PB (8 PED)										BLK/WHT
EXSB18		9/C	3	RED	ORG					GRN			
			16				RED/BLK	WHT/BLK		GRN/BLK			
EXSB19		7/C	2	RED	ORG	GRN							

EQUIPMENT GROUNDING CONDUCTOR	
10 AWG GRN XLP	
FROM	TO
CB	SB1
SB1	EXSB2
EXSB2	EXSB3
EXSB3	SB4
SB4	SB19
SB19	EXSB5
EXSB5	EXSB6
EXSB6	EXSB7
EXSB7	EXSB8
EXSB8	EXSB9
EXSB8	EXSB10
EXSB10	SB13
SB13	EXSB14
EXSB14	EXSB11
EXSB11	EXSB12
EXSB12	EXSB14
EXSB14	EXSB15
EXSB15	EXSB18
EXSB18	EXSB19
EXSB19	CB

LIGHTING UF 12 AWG UNDERGROUND	
FROM	TO
CB	EXSB3
CB	EXSB5
CB	EXSB7
CB	EXSB9
CB	EXSB14
CB	EXSB15
CB	EXSB19

VIDEO VEHICLE DETECTION	
FROM	TO
CB	EXSB15

* USE THE WHITE CONDUCTOR IN THE CABLE ASSEMBLY AS THE GROUNDED CONDUCT FOR ALL TRAFFIC SIGNAL INDICATIONS.
* ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
* AT THE SIGNAL BASE, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.
* GRAY SCALE REPRESENTS EXISTING

USH 51 & ANDERSON STREET
CITY OF MADISON
DANE COUNTY

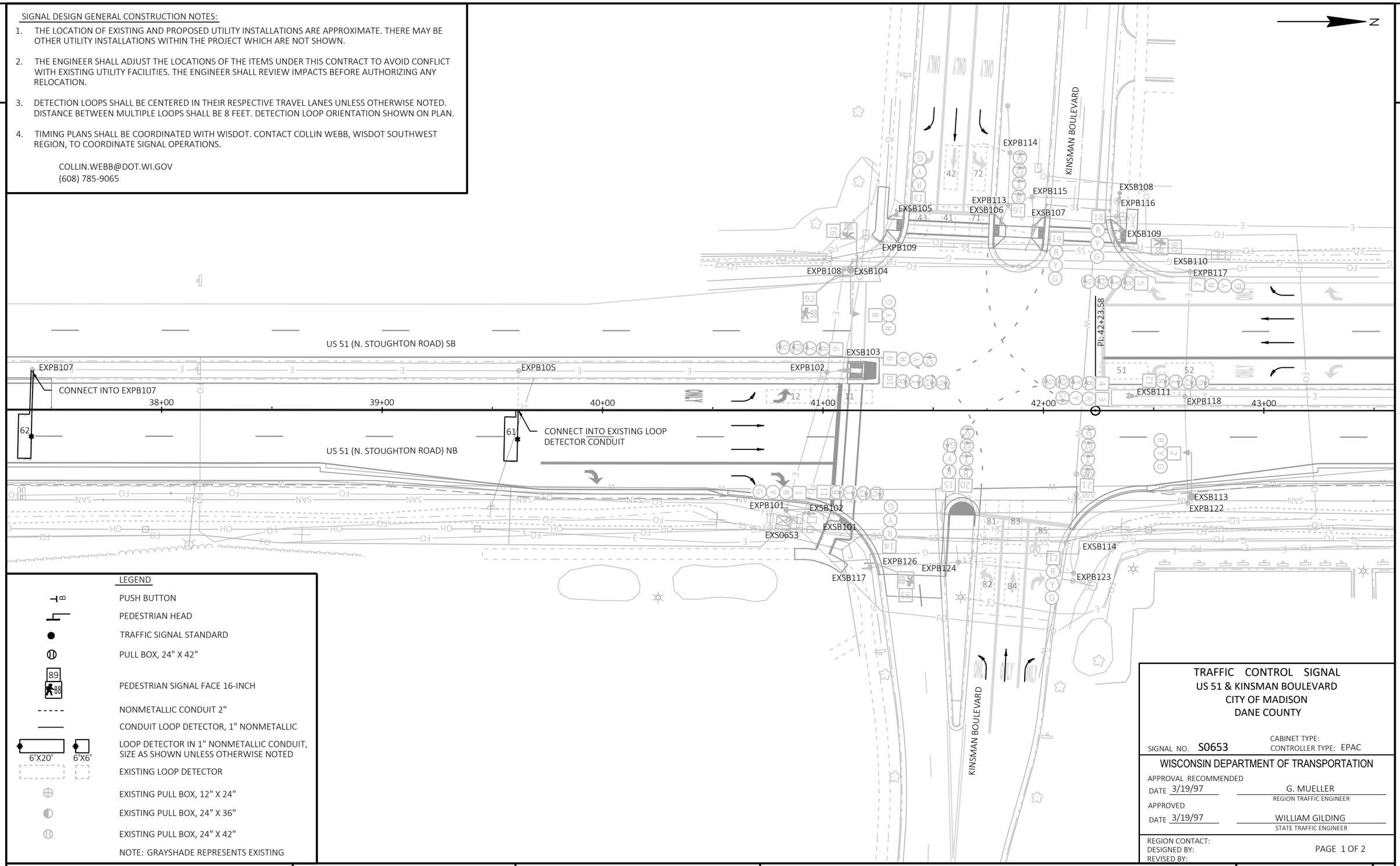
SIGNAL NO: S0351	CABINET TYPE:
	CONTROLLER TYPE:
DATE: 04/21/2022	PAGE NO. 2 OF 3

2

SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. THE ENGINEER SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING UTILITY FACILITIES. THE ENGINEER SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.
3. DETECTION LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE TRAVEL LANES UNLESS OTHERWISE NOTED. DISTANCE BETWEEN MULTIPLE LOOPS SHALL BE 8 FEET. DETECTION LOOP ORIENTATION SHOWN ON PLAN.
4. TIMING PLANS SHALL BE COORDINATED WITH WISDOT. CONTACT COLLIN WEBB, WISDOT SOUTHWEST REGION, TO COORDINATE SIGNAL OPERATIONS.

COLLIN.WEBB@DOT.WI.GOV
(608) 785-9065



LEGEND

- PUSH BUTTON
- PEDESTRIAN HEAD
- TRAFFIC SIGNAL STANDARD
- PULL BOX, 24" X 42"
- PEDESTRIAN SIGNAL FACE 16-INCH
- NONMETALLIC CONDUIT 2"
- CONDUIT LOOP DETECTOR, 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT, SIZE AS SHOWN UNLESS OTHERWISE NOTED (6'X20', 6'X6')
- EXISTING LOOP DETECTOR
- EXISTING PULL BOX, 12" X 24"
- EXISTING PULL BOX, 24" X 36"
- EXISTING PULL BOX, 24" X 42"
- NOTE: GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
US 51 & KINSMAN BOULEVARD
CITY OF MADISON
DANE COUNTY

SIGNAL NO. S0653
CABINET TYPE:
CONTROLLER TYPE: EPAC

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 3/19/97 — G. MUELLER, REGION TRAFFIC ENGINEER

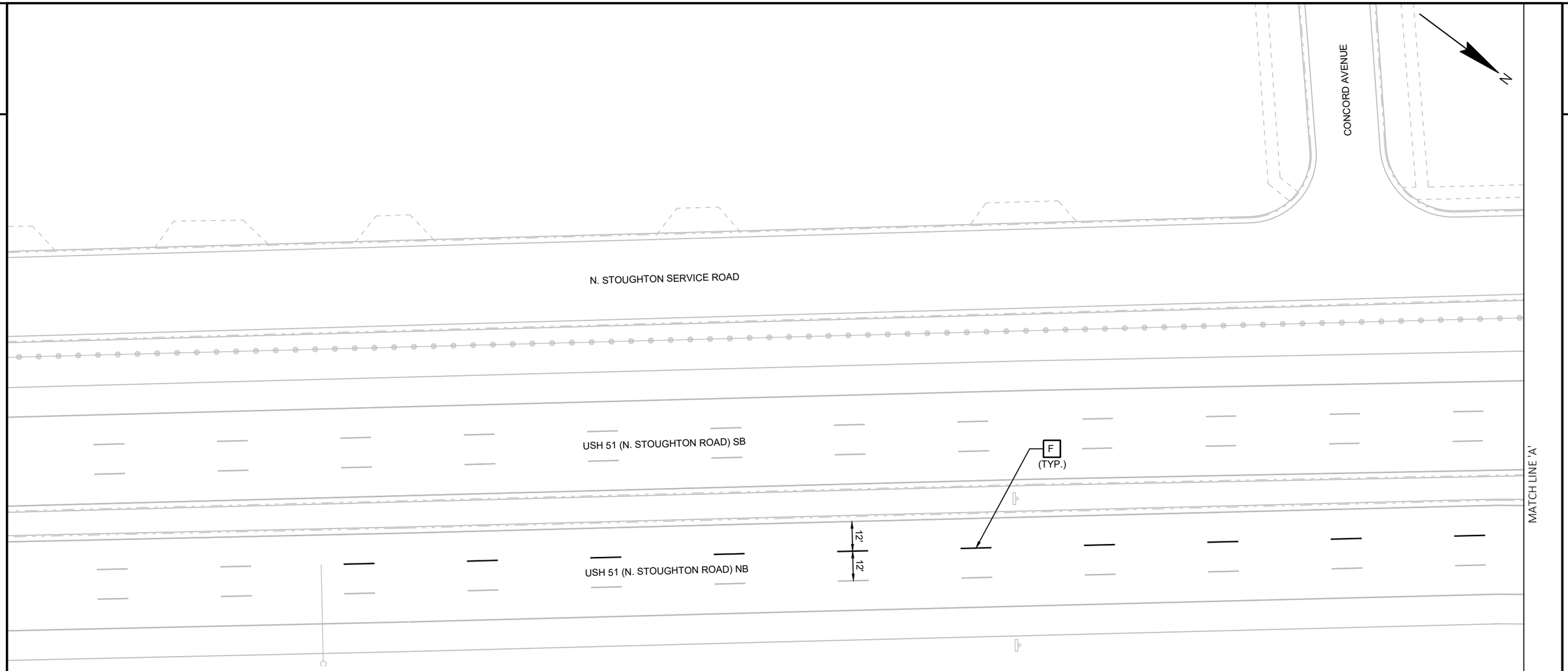
APPROVED
DATE 3/19/97 — WILLIAM GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT:
DESIGNED BY:
REVISED BY:

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 71	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024202-sp
PLOT DATE : 9/21/2022 8:20 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



2

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW
- B MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- C MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
- D MARKING LINE EPOXY 4-INCH, WHITE
- E MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
- F MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
- G MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- H MARKING LINE EPOXY 8-INCH, WHITE
- J MARKING STOP LINE EPOXY 18-INCH, WHITE
- K MARKING CURB EPOXY, YELLOW
- L MARKING ARROW EPOXY, WHITE, TYPE 2
- M MARKING WORD EPOXY, WHITE
- N MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 72	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024500-pm (2)
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

PRAIRIE AVENUE

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

F
(TYP.)

USH 51 (N. STOUGHTON ROAD) NB

12'
12'

12'
12'

MATCH LINE 'A'

MATCH LINE 'B'

2

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
D	MARKING LINE EPOXY 4-INCH, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
H	MARKING LINE EPOXY 8-INCH, WHITE
J	MARKING STOP LINE EPOXY 18-INCH, WHITE
K	MARKING CURB EPOXY, YELLOW
L	MARKING ARROW EPOXY, WHITE, TYPE 2
M	MARKING WORD EPOXY, WHITE
N	MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 73 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024500-pm

PLOT DATE : 7/28/2022 1:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

USH 151 (E. WASHINGTON AVENUE)

GRASS

GRASS

ASPHALT

GRASS

GRASS

ONLY

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

P: 13+33.56

ONLY

ONLY

CONCRETE

ONLY

ONLY

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14

MATCH LINE STA. 14+00

12'

12'

6'

4'

N

G

G

N

A

USH 51 (N. STOUGHTON ROAD) NB

GRASS

CONCRETE

GRASS

LANDSCAPING

ASPHALT

GRASS

D

F

(TYP.)

J

GRASS

BLOCK PLANTER

ASPHALT

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'B'

F

(TYP.)

USH 151 (E. WASHINGTON AVENUE)

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 74	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PI: 17+73.25

PI: 18+24.11

PI: 19+77.19

15+00

16+00

17+00

18+00

19+00

12'

12'

12'

12'

GUY

CONCRETE

ASPHALT

GRASS

BEAMGUARD

L

M

A

D

F

(TYP.)

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

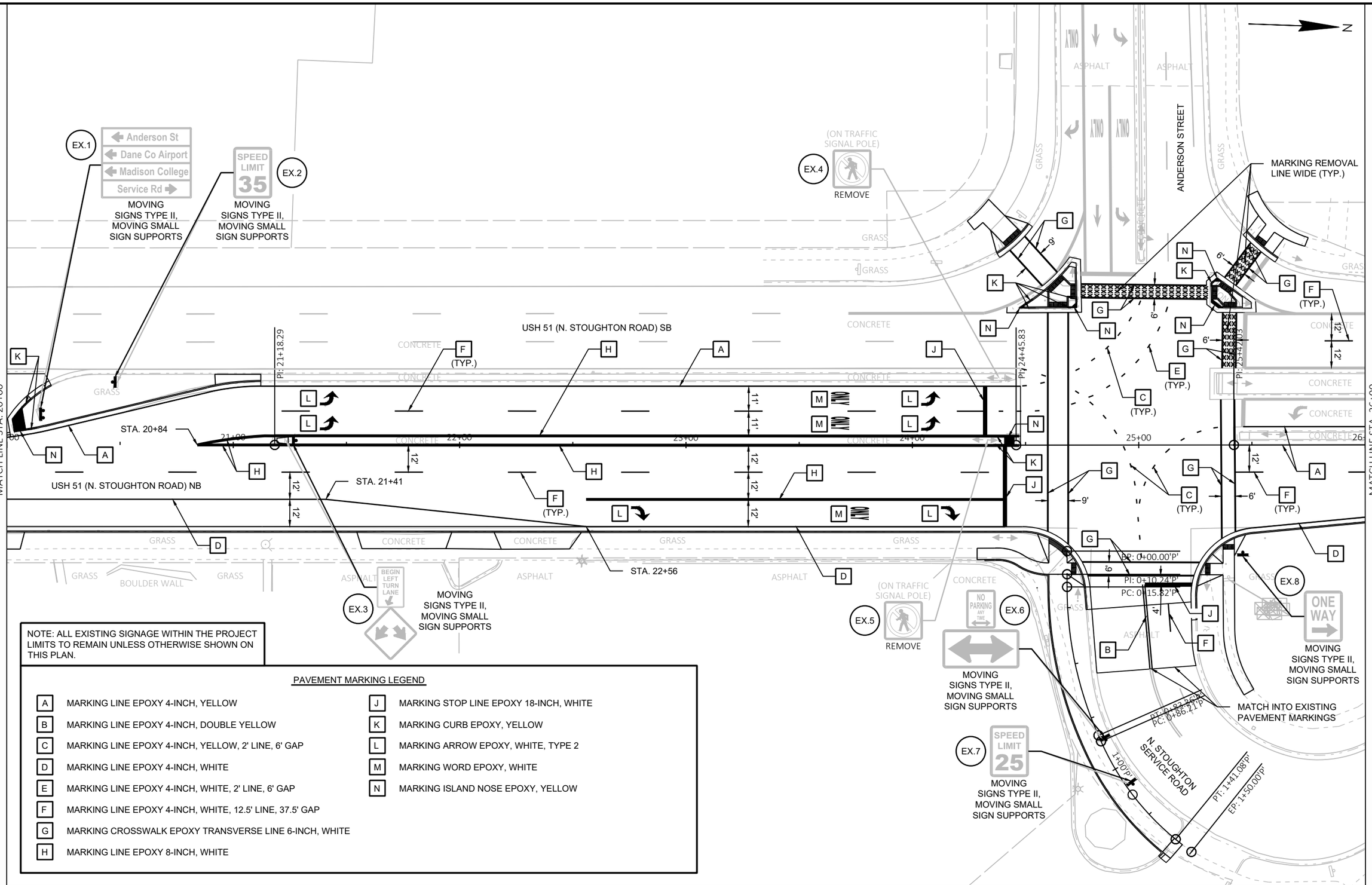
PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
D	MARKING LINE EPOXY 4-INCH, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
H	MARKING LINE EPOXY 8-INCH, WHITE
J	MARKING STOP LINE EPOXY 18-INCH, WHITE
K	MARKING CURB EPOXY, YELLOW
L	MARKING ARROW EPOXY, WHITE, TYPE 2
M	MARKING WORD EPOXY, WHITE
N	MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 75 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 76	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

GRASS

CONCRETE

H

12'

12'

USH 51 (N. STOUGHTON ROAD) SB

A

F
(TYP.)

PI: 29+10.16

PI: 31+63.97

27+00

28+00

29+00

30+00

31+00

12'

12'

USH 51 (N. STOUGHTON ROAD) NB

D

F
(TYP.)

GUY

CONC.

EX.9

EX.10

REMOVE
AHEAD
REMOVE

ASPHALT

N. STOUGHTON
SERVICE ROAD

ORIN ROAD

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 77	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

Kinsman Blvd

EX.11

MOVING
SIGNS TYPE II,
MOVING SMALL
SIGN SUPPORTS

F
(TYP.)

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

GRASS

A

12'

12'

MATCH LINE STA. 32+00

33+00

34+00

35+00

36+00

L

37+00

38

MATCH LINE STA. 38+00

A

12'

12'

USH 51 (N. STOUGHTON ROAD) NB

H

12'

12'

10'

8'

ASPHALT

GRASS

GUY

D

F
(TYP.)

ASPHALT BARTILLON DRIVE

MOVING
SIGNS TYPE II,
MOVING SMALL
SIGN SUPPORTS

EX.12

DMV

WRONG
WAY

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
D	MARKING LINE EPOXY 4-INCH, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
H	MARKING LINE EPOXY 8-INCH, WHITE
J	MARKING STOP LINE EPOXY 18-INCH, WHITE
K	MARKING CURB EPOXY, YELLOW
L	MARKING ARROW EPOXY, WHITE, TYPE 2
M	MARKING WORD EPOXY, WHITE
N	MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 78	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024505-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

KINSMAN BOULEVARD

EX.13

EX.14

REMOVE
AHEAD
REMOVE

MARKING REMOVAL
LINE 8-INCH (TYP.)

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

STA. 38+72

STA. 43+25

PI: 42+23.58

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

MATCH INTO EXISTING PAVEMENT MARKINGS

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
D	MARKING LINE EPOXY 4-INCH, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
H	MARKING LINE EPOXY 8-INCH, WHITE
J	MARKING STOP LINE EPOXY 18-INCH, WHITE
K	MARKING CURB EPOXY, YELLOW
L	MARKING ARROW EPOXY, WHITE, TYPE 2
M	MARKING WORD EPOXY, WHITE
N	MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 79 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024506-pm

PLOT DATE : 7/28/2022 1:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

EX.19

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

EX.20

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

F (TYP.)

PI: 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

CONCRETE

GRASS

ASPHALT

12'

8'

10'

45+00

46+00

47+00

48+00

49+00

50+00

A

K

N

D

F (TYP.)

GUY

SIGN

GRAVEL

SPEED LIMIT 45

EX.15

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

WRONG WAY

EX.16

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

DO NOT ENTER

EX.17

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

NO PARKING ANY TIME

EX.18

MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
D	MARKING LINE EPOXY 4-INCH, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
H	MARKING LINE EPOXY 8-INCH, WHITE
J	MARKING STOP LINE EPOXY 18-INCH, WHITE
K	MARKING CURB EPOXY, YELLOW
L	MARKING ARROW EPOXY, WHITE, TYPE 2
M	MARKING WORD EPOXY, WHITE
N	MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 80	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024507-pm

PLOT DATE : 7/28/2022 1:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

PIERSTORFF STREET

GUY

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

MATCH INTO EXISTING PAVEMENT MARKINGS

PI: 53+29.36

EP: 54+92.90

F (TYP.)

A

12'

GRASS

CONC. GRASS CONC.

MATCH LINE STA. 50+00

MATCH LINE 'C'

50+00

51+00

52+00

53+00

54+00

12'

12'

10'

USH 51 (N. STOUGHTON ROAD) NB

STA. 51+94

ASPHALT

GRASS

D

F (TYP.) ENVIRONMENTALLY SENSITIVE AREA

J

ASPHALT

GRASS

GRASS

PIERSTORFF STREET

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 81	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 7/28/2022 1:13 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 'C'

F
(TYP.)

MATCH INTO EXISTING
PAVEMENT MARKINGS

A

F
(TYP.)

12'

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

LEO CIRCLE

MATCH LINE 'D'

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 82	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024509-pm

PLOT DATE : 7/28/2022 1:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

F
(TYP.)

USH 51 (N. STOUGHTON ROAD) SB

12'

MATCH LINE 'E'

MATCH LINE 'D'

USH 51 (N. STOUGHTON ROAD) NB

ENVIRONMENTALLY SENSITIVE AREA

NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, YELLOW	J	MARKING STOP LINE EPOXY 18-INCH, WHITE
B	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW	K	MARKING CURB EPOXY, YELLOW
C	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP	L	MARKING ARROW EPOXY, WHITE, TYPE 2
D	MARKING LINE EPOXY 4-INCH, WHITE	M	MARKING WORD EPOXY, WHITE
E	MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP	N	MARKING ISLAND NOSE EPOXY, YELLOW
F	MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP		
G	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE		
H	MARKING LINE EPOXY 8-INCH, WHITE		

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 83	E

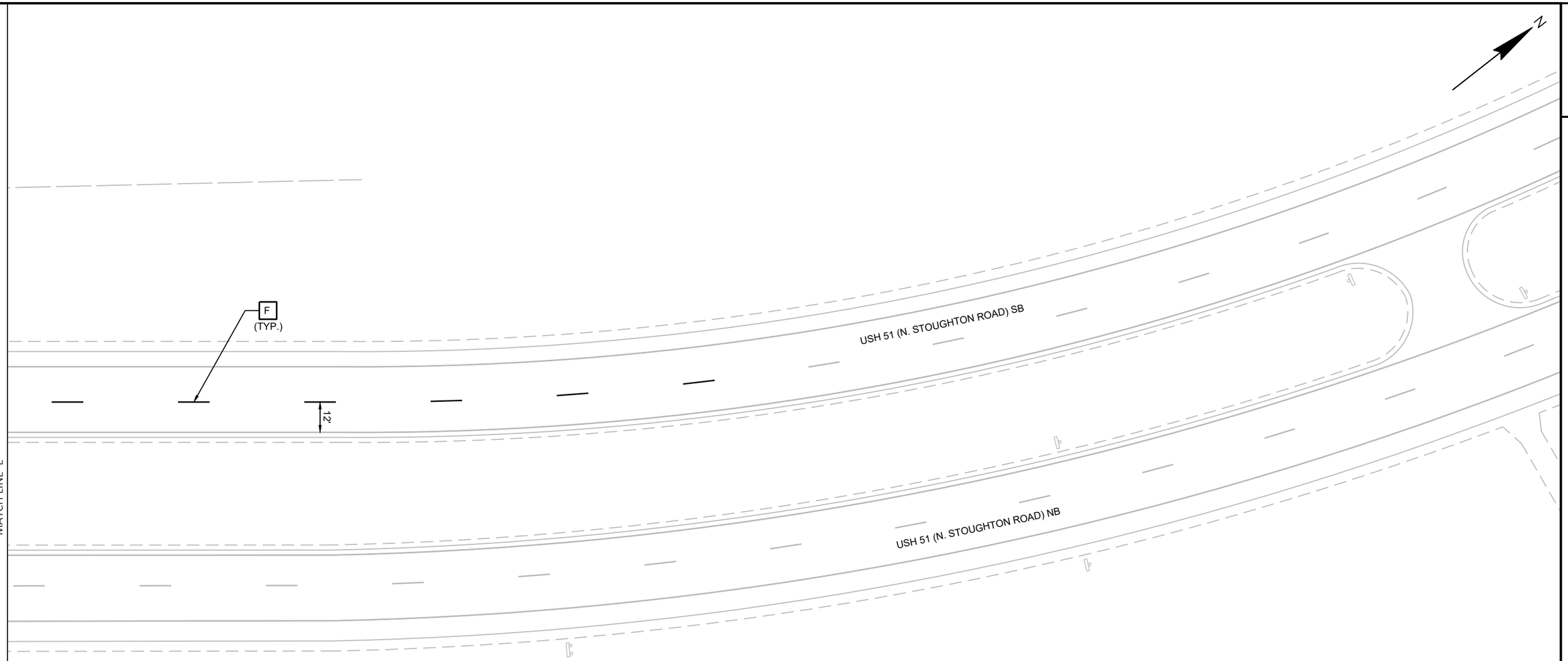
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024510-pm

PLOT DATE : 7/28/2022 1:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCH LINE 'E'



NOTE: ALL EXISTING SIGNAGE WITHIN THE PROJECT LIMITS TO REMAIN UNLESS OTHERWISE SHOWN ON THIS PLAN.

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW
- B MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- C MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
- D MARKING LINE EPOXY 4-INCH, WHITE
- E MARKING LINE EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
- F MARKING LINE EPOXY 4-INCH, WHITE, 12.5' LINE, 37.5' GAP
- G MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- H MARKING LINE EPOXY 8-INCH, WHITE
- J MARKING STOP LINE EPOXY 18-INCH, WHITE
- K MARKING CURB EPOXY, YELLOW
- L MARKING ARROW EPOXY, WHITE, TYPE 2
- M MARKING WORD EPOXY, WHITE
- N MARKING ISLAND NOSE EPOXY, YELLOW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PAVEMENT MARKINGS AND PERMANENT SIGNING	SHEET 84	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024511-pm

PLOT DATE : 7/28/2022 1:14 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TRAFFIC CONTROL BARRICADES TYPE III
- TRAFFIC CONTROL BARRICADES TYPE III WTH ATTACHED TRAFFIC CONTROL SIGN
- TRAFFIC CONTROL BARRICADES TYPE II WTH ATTACHED TRAFFIC CONTROL SIGN
- TRAFFIC CONTROL DRUMS
- TRAFFIC CONTROL DRUMS WITH TRAFFIC CONTROL WARNING LIGHTS TYPE C
- TRAFFIC CONTROL ARROW BOARDS
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST AND BASE
- DELINEATORS TEMPORARY (STEEL POST WITH SINGLE DELINEATOR) COLOR OF THE DELINEATOR SHALL MATCH THE COLOR OF THE RESPECTIVE EDGELINE MARKING
- WORK AREA
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROLS SIGNS PCMS
- XXXXX — MARKING REMOVAL LINE
- 3.5-INCHES ASPHALTIC SURFACE TEMPORARY OVER 9-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- FLAGS, 16" X 16" MIN. (ORANGE)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL PLANS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTOR METHODS OR SEQUENCE OF OPERATIONS.

DETAILS OF TRAFFIC CONTROL DEVICES AND THEIR LOCATION NOT SHOWN ON THIS PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES, THE PLANS, SPECIFICATIONS AND CONTRACT.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

THE 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

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

EXCEPT AS OTHERWISE SHOWN, TEMPORARY PAVEMENT MARKING REMOVABLE TAPE SHALL BE USED WHEN MARKINGS CROSS PERMANENT ROADWAY SURFACES THAT WILL REMAIN AFTER CONSTRUCTION.

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.

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.

CROSS ROADS SHALL BE KEPT OPEN THROUGH THE PROJECT EXCEPT WHERE SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS.

ALL EXISTING PAVEMENT MARKING CONFLICTING WITH THE TRAFFIC CONTROL SHALL BE REMOVED UNLESS OTHERWISE SHOWN IN THE PLANS.

MAINTAIN ACCESS TO LOCAL RESIDENCES AND COMMERCIAL ENTRANCES.

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

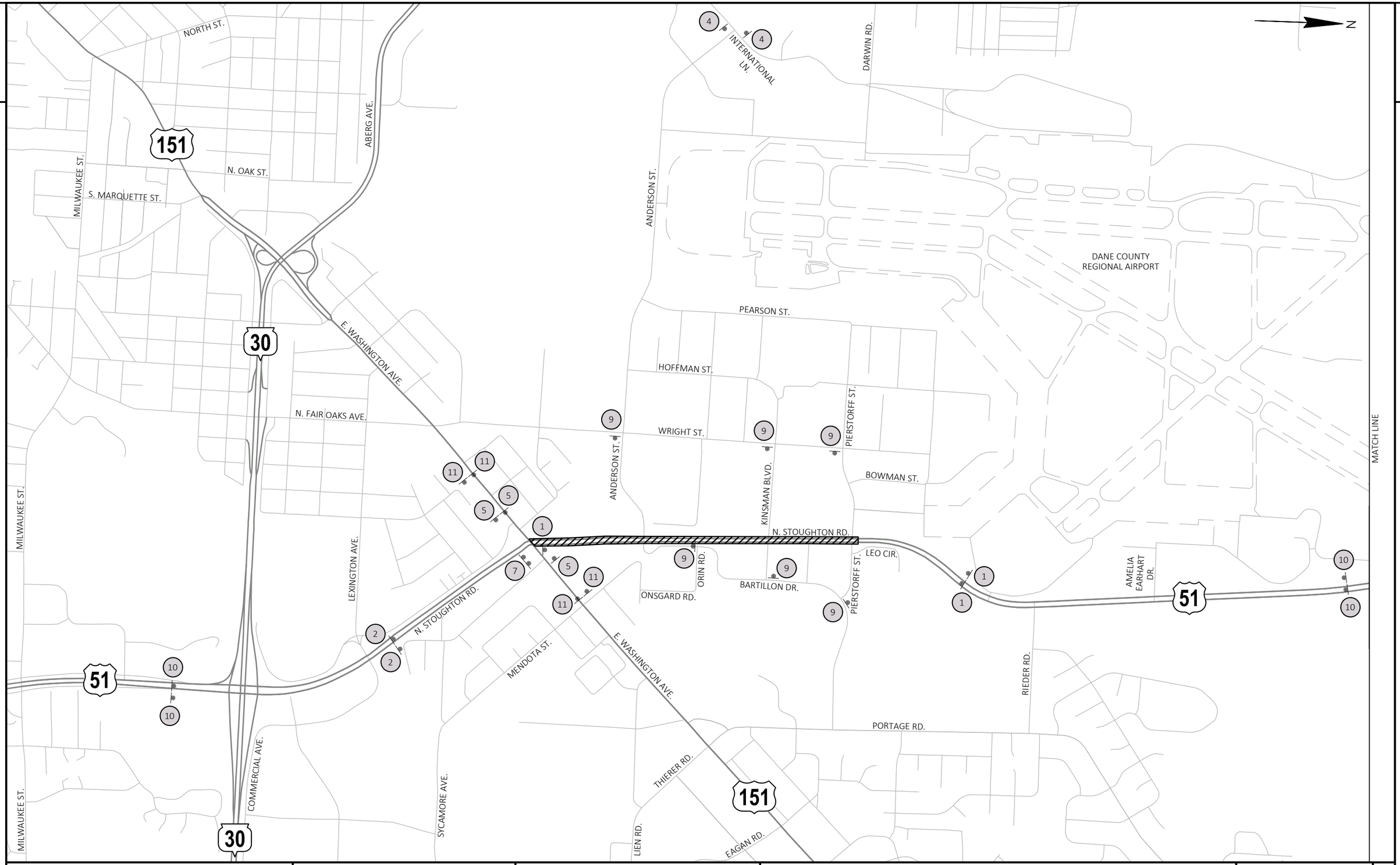
ALL "W" OR "WO" TRAFFIC CONTROL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED IN THE PLANS.

FOR NIGHTTIME OPERATIONS, ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

WHEN WORK IS ADJACENT TO TRAVEL LANES, MAINTAIN 1-LANE OF TRAFFIC IN EACH DIRECTION.

WO12-1D SIGNS SHOULD BE MOUNTED AT 2-FT FROM SURFACE TO BOTTOM OF SIGN.

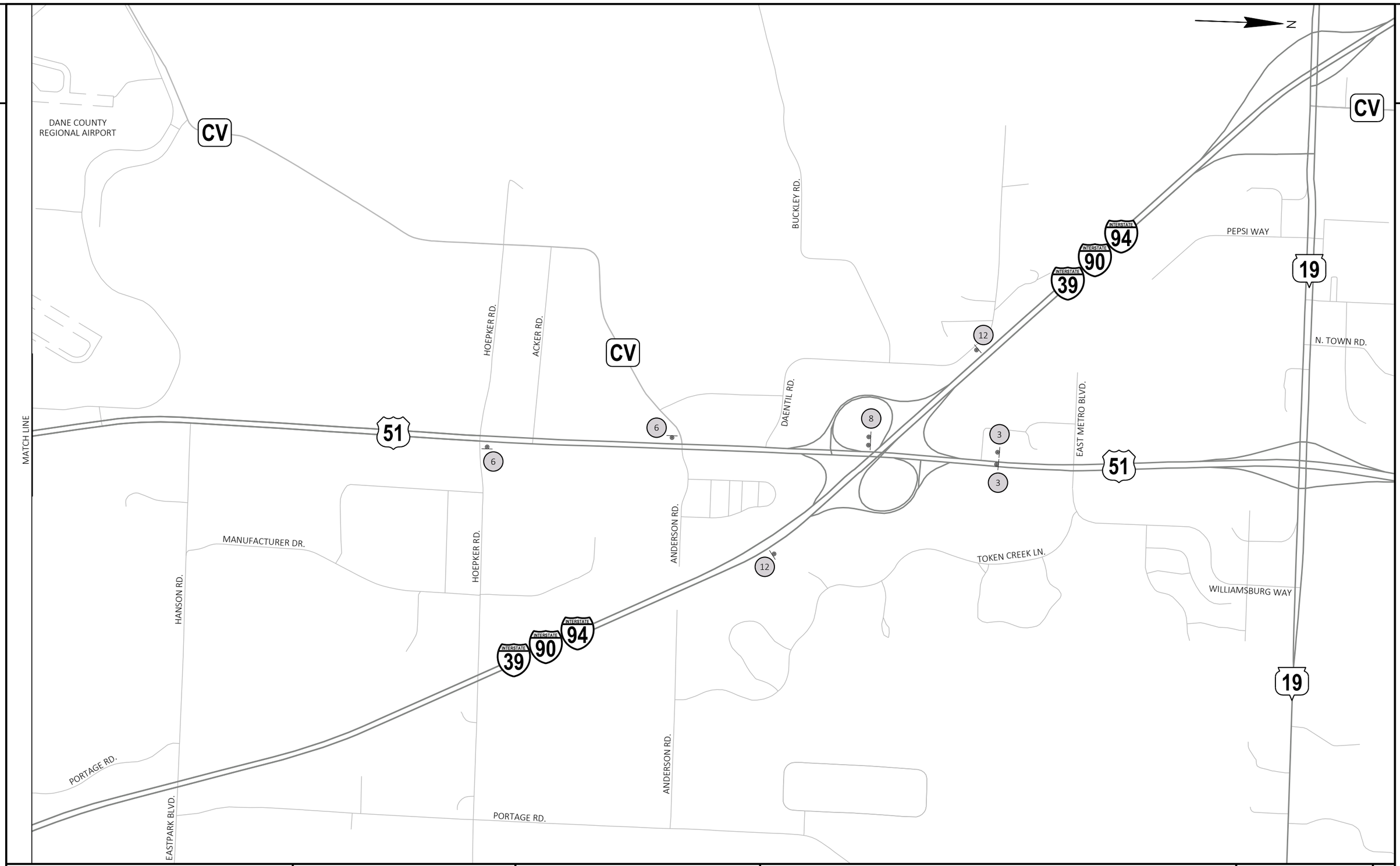
ALL TRAFFIC CONTROL DRUMS SHOULD BE AT 25-FT SPACING UNLESS OTHERWISE SHOWN IN PLANS.



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	ADVANCED WARNING SIGNING	SHEET 86	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\025000-AW.DWG
LAYOUT NAME - 025000-aw
PLOT DATE : 9/22/2022 11:33 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:1200 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	ADVANCED WARNING SIGNING	SHEET 87	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\025000-AW.DWG
LAYOUT NAME - 025001-aw

PLOT DATE : 9/22/2022 11:33 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:1200 FT

2

1

W12-52
48"X48"

2

W12-52
48"X48"

WO57-52
36"X24"

3

W12-52
48"X48"

WO57-52
36"X24"

4

M1-4
24"X24"

W12-52
48"X48"

5

M3-1
24"X12"

M1-4
24"X24"

W12-52
48"X48"

6

M3-3
24"X12"

M1-4
24"X24"

W12-52
48"X48"

7

TRAFFIC CONTROL SIGNS FIXED MESSAGE
(SEE SPECIAL SIGN PLATE DETAIL)
90"X36"

8

R12-70B
114"X42"

9

W20-1A
48"X48"

10

W20-1F
48"X48"

11

M3-1
24"X12"

M1-4
24"X24"

W20-1A
48"X48"

12

M3-3
36"X18"

M1-4
36"X36"

W12-52
48"X48"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	ADVANCED WARNING SIGNING	SHEET 88	E

2

NOTE: ALL LANE CLOSURES REQUIRED FOR THIS STAGE SHALL ONLY BE COMPLETED DURING NIGHTTIME HOURS.

N

ROWLAND AVENUE

ANDERSON STREET

USH 51 (N. STOUGHTON ROAD)

BARTILLON DRIVE

ORIN ROAD

USH 151 (E. WASHINGTON AVENUE)

MACARTHUR STREET

USH 51 BASE PATCHING STAGE 1

2

NOTE: ALL LANE CLOSURES REQUIRED FOR THIS STAGE SHALL ONLY BE COMPLETED DURING NIGHTTIME HOURS.

N

ROWLAND AVENUE

ANDERSON STREET

USH 51 (N. STOUGHTON ROAD)

BARTILLON DRIVE

ORIN ROAD

USH 151 (E. WASHINGTON AVENUE)

MACARTHUR STREET

USH 51 BASE PATCHING STAGE 2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING OVERVIEW	SHEET 89	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026004-bp

PLOT DATE : 7/16/2022 8:57 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'A'

500'

500'

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-5SA
48"X48"

W4N-2L
48"X48"

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

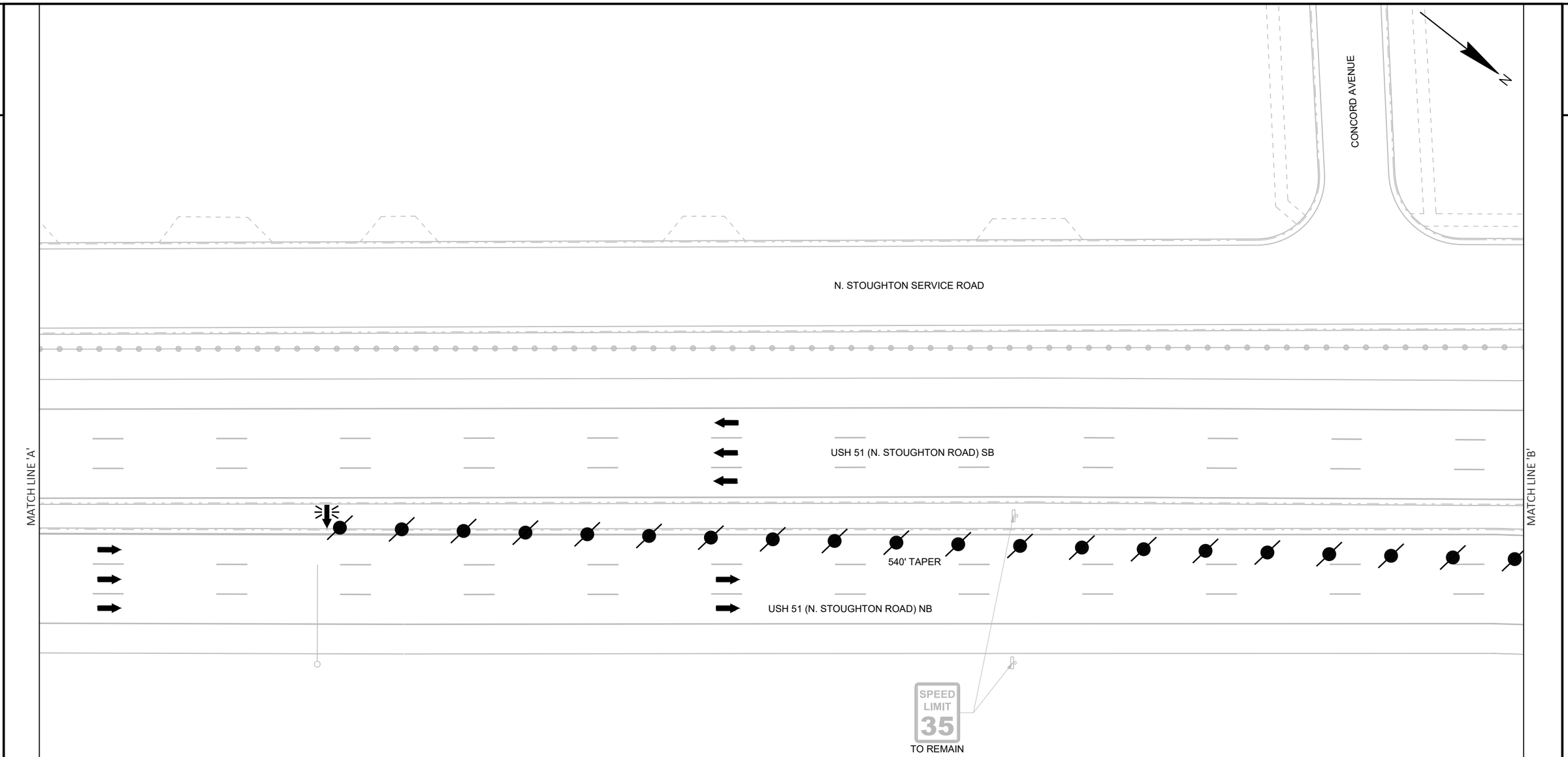
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 90	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026601-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 91	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026602-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PRAIRIE AVENUE

N

N. STOUGHTON SERVICE ROAD

END
ROAD WORK
G20-2A
48"X24"

USH 51 (N. STOUGHTON ROAD) SB

MATCH LINE 'B'

MATCH LINE 'C'

540' TAPER

USH 51 (N. STOUGHTON ROAD) NB

150' OPENING

LANE
CLOSED
R11-2L
48"X30"

BEGIN
LEFT
TURN
LANE
R3-20L
24"X36"

WO12-1D
48"X48"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 92	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026603-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE 'D'

LANE CLOSED
R11-2L
48"X30"

GRASS

ASPHALT

GRASS

GRASS

CLOSE LANE ONLY WHEN COMPLETING CURB RAMP WORK DURING NIGHTTIME HOURS

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A
48"X48"

(350' NORTH OF SOUTHBOUND LEFT TURN LANE CLOSURE)

LANE CLOSED
R11-2L
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

PI: 13+33.56

LANE CLOSED
R11-2L
48"X30"

CONCRETE

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14+00

USH 51 (N. STOUGHTON ROAD) NB

500'

WO1-6
48"X24"

COMPLETE CONCRETE BASE PATCHING WORK DURING NIGHTTIME HOURS

GRASS

CONCRETE

GRASS

LANDSCAPING

ASPHALT

GRASS

CONC.

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

USH 151 (E. WASHINGTON AVENUE)

ASPHALT

BLOCK PLANTER & SIGN

CLOSE LANE ONLY WHEN COMPLETING CONCRETE BASE PATCHING WORK DURING NIGHTTIME HOURS

GRASS

MATCH LINE 'C'

LANE CLOSED
R11-2L
48"X30"

MATCH LINE 'E'

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 93	E

2

2

N

END
ROAD WORK
G20-2A
48"X24"

LANE
CLOSED
R11-2L
48"X30"

ROWLAND AVENUE

USH 151 (E. WASHINGTON AVENUE)

MATCH LINE 'D'

N. STOUGHTON SERVICE ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 94	E

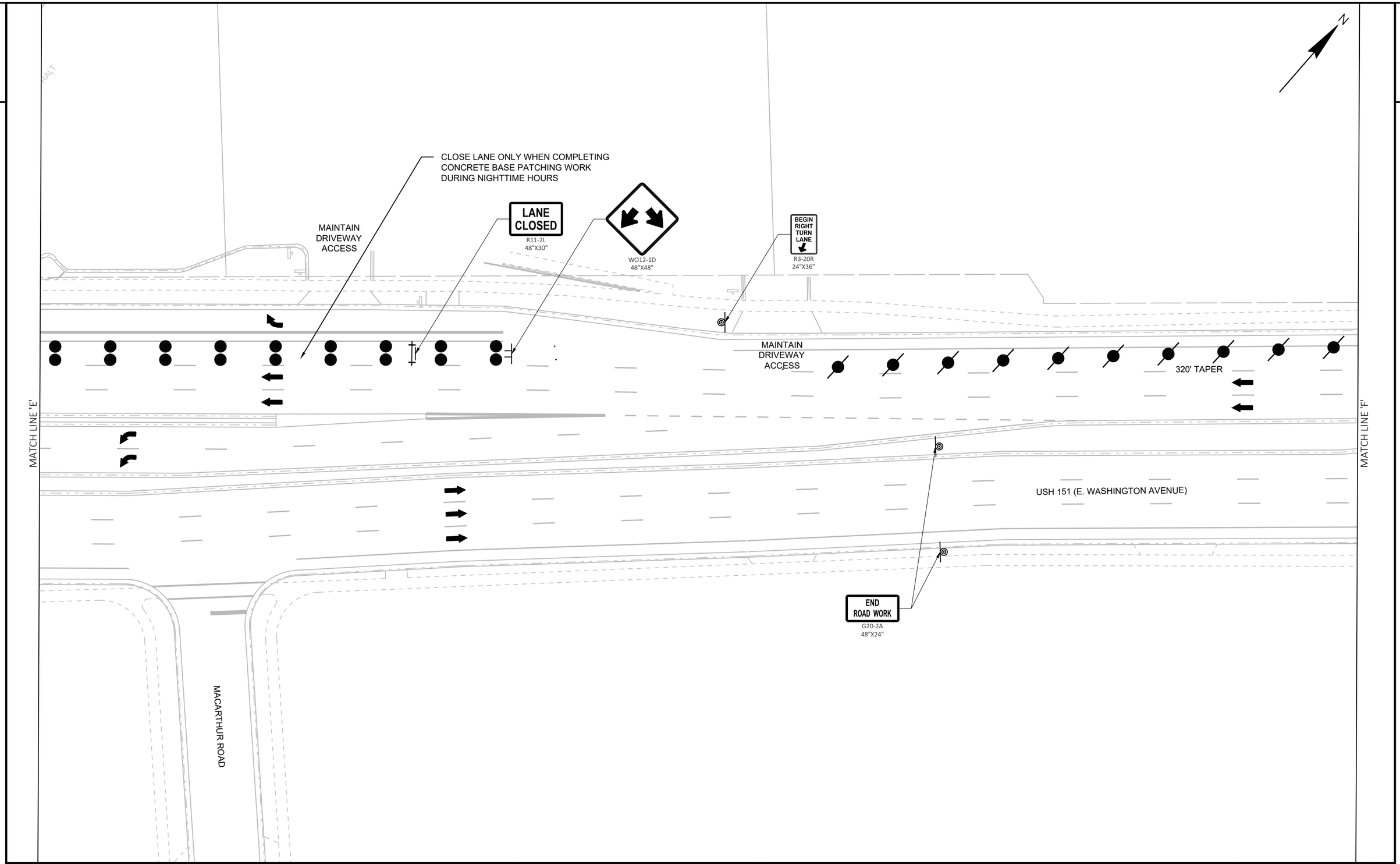
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026605-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 95	E

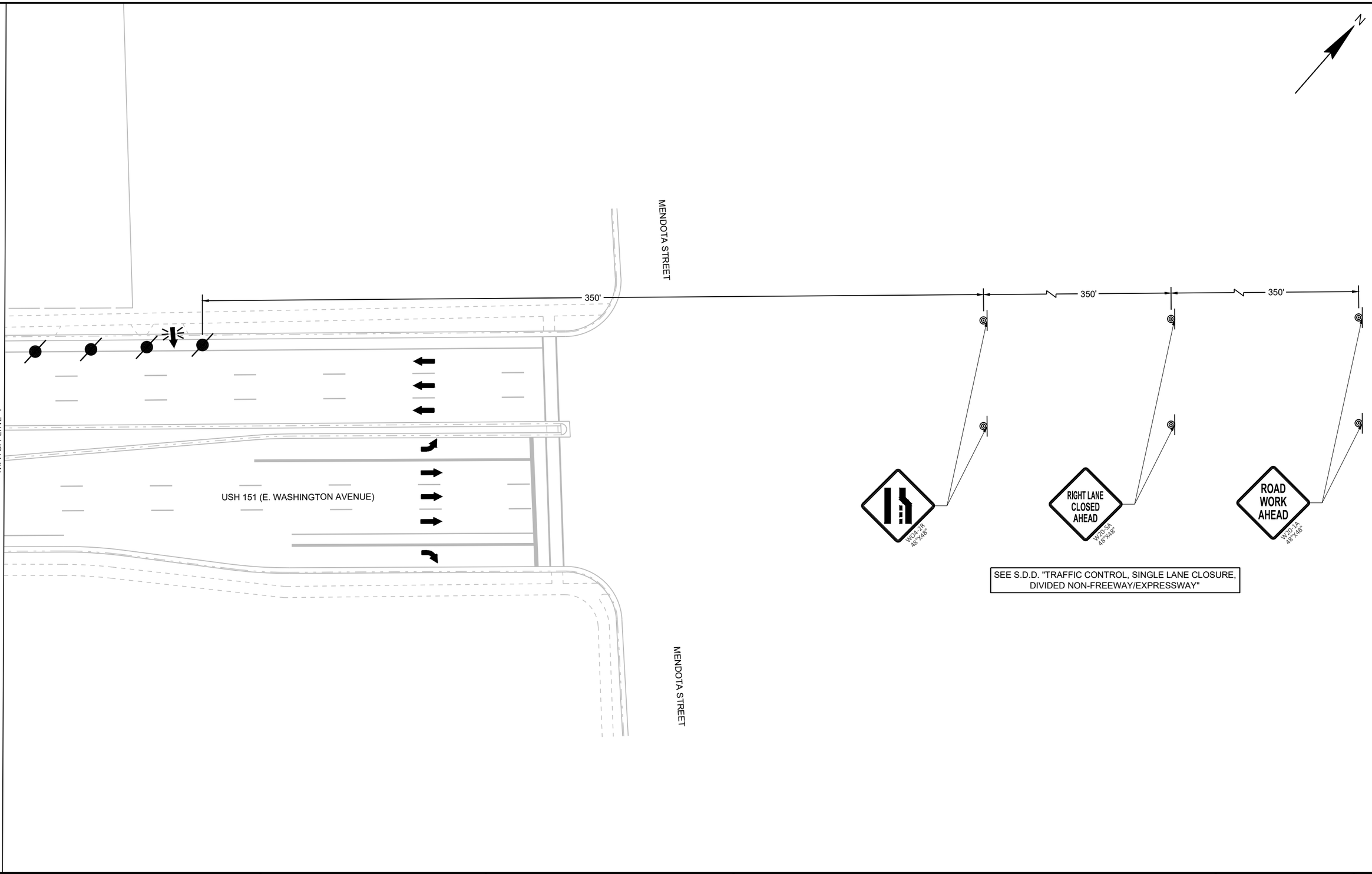
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026606-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 1	SHEET 96	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026607-bp_1

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

540' TAPER

MATCH LINE 'A'

500'

500'

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 97	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026601-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONCORD AVENUE

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'A'

MATCH LINE 'B'

540' TAPER

(OVERHEAD)

COVER
WITH SIGN

ONLY

R3-5R
42"X48"

(OVERHEAD)

ONLY

COVERING
SIGNS TYPE II

RIGHT LANE
MUST
TURN RIGHT

R3-7R
30"X30"

SPEED
LIMIT
35

TO REMAIN

ONLY

R3-8xx
36"X30"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 98	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026602-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PRAIRIE AVENUE

N

N. STOUGHTON SERVICE ROAD

END
ROAD WORK
G20-2A
48"X24"

USH 51 (N. STOUGHTON ROAD) SB

MATCH LINE 'B'

MATCH LINE 'C'

USH 51 (N. STOUGHTON ROAD) NB

ONLY

ONLY

WO12-1D
48"X48"

LANE
CLOSED
R11-2L
48"X30"

(OVERHEAD)
ONLY
TO REMAIN

(OVERHEAD)
ONLY
TO REMAIN

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 99	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026603-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCH LINE 'D'

MATCH LINE 'C'

MATCH LINE 'E'

N

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A
48"X48"

350'

500'

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

CLOSE LANE ONLY WHEN COMPLETING CURB RAMP WORK DURING NIGHTTIME HOURS

ADJUST DRUMS AND REMOVE TYPE III BARRICADE WHEN COMPLETING USH 151 WESTBOUND RIGHT TURN LANE TO MAINTAIN RIGHT TURN MOVEMENT ONTO USH 51 NORTHBOUND

COMPLETE CONCRETE BASE PATCHING WORK DURING NIGHTTIME HOURS

COMPLETE USH 51 NORTHBOUND THROUGH LANE AND USH 151 WESTBOUND RIGHT TURN LANE ON DIFFERENT NIGHTS TO MAINTAIN RIGHT TURN MOVEMENT ONTO USH 51 NORTHBOUND

ADD DRUMS AND ADJUST TYPE III BARRICADES WHEN COMPLETING USH 51 NORTHBOUND THROUGH LANE TO ALLOW USH 151 WESTBOUND RIGHT TURN MOVEMENT

CLOSE LANES ONLY WHEN COMPLETING CONCRETE BASE PATCHING WORK DURING NIGHTTIME HOURS

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

USH 151 (E. WASHINGTON AVENUE)

BP: 9+50.00

PI: 13+33.56

10+00

11+00

12+00

13+00

14+00

GRASS

ASPHALT

CONCRETE

LANDSCAPING

BLOCK PLANTER & SIGN

ALLEY

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 100	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026604-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

END
ROAD WORK
G20-2A
48"X24"

WO12-1D
48"X48"

LANE
CLOSED
R11-2L
48"X30"

GAP DRUMS TO MAINTAIN TURN LANE
ACCESS FROM N. STOUGHTON
SERVICE ROAD

ROWLAND AVENUE

USH 151 (E. WASHINGTON AVENUE)

MATCH LINE 'D'

N. STOUGHTON SERVICE ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 101	E

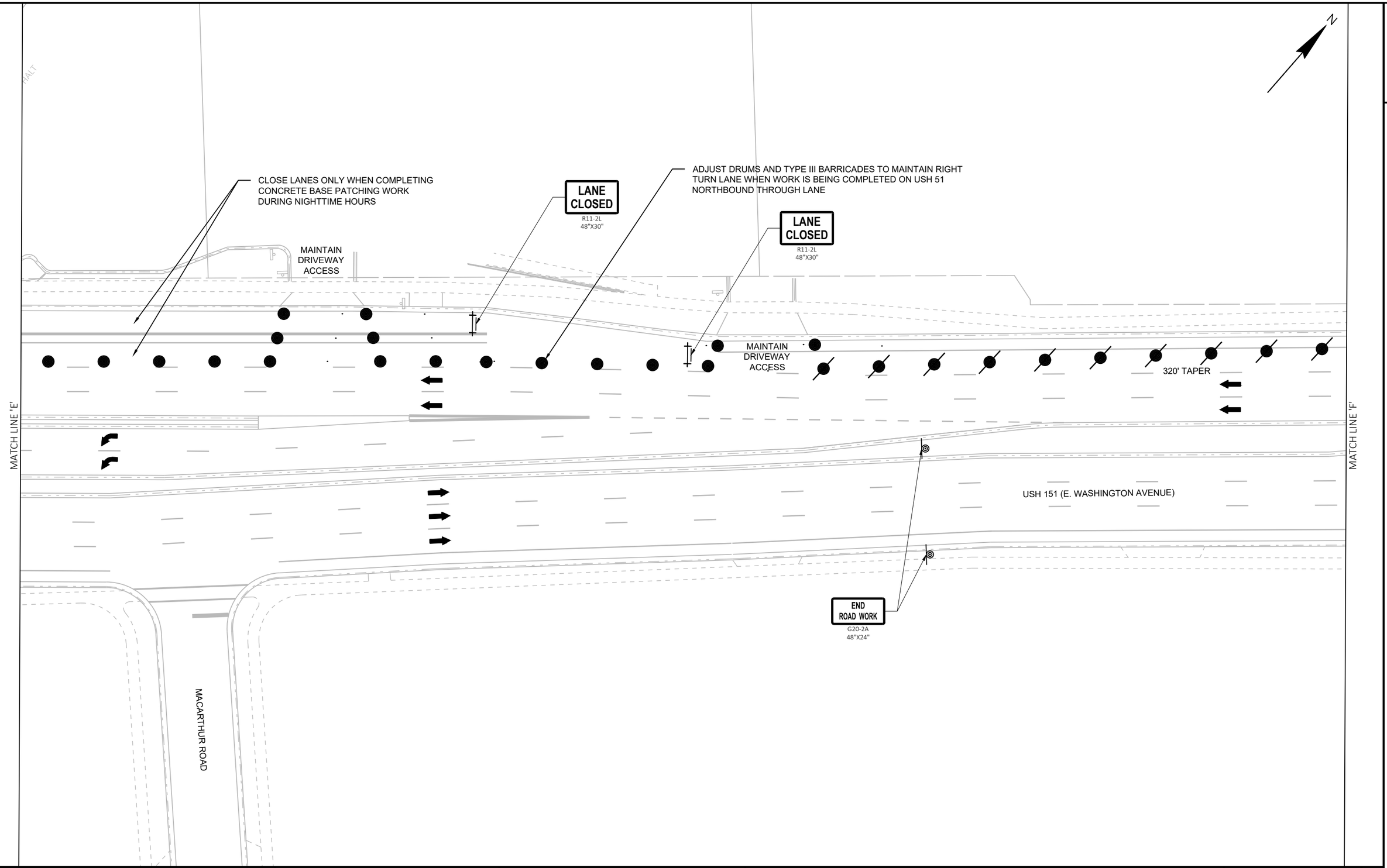
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026605-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 102	E

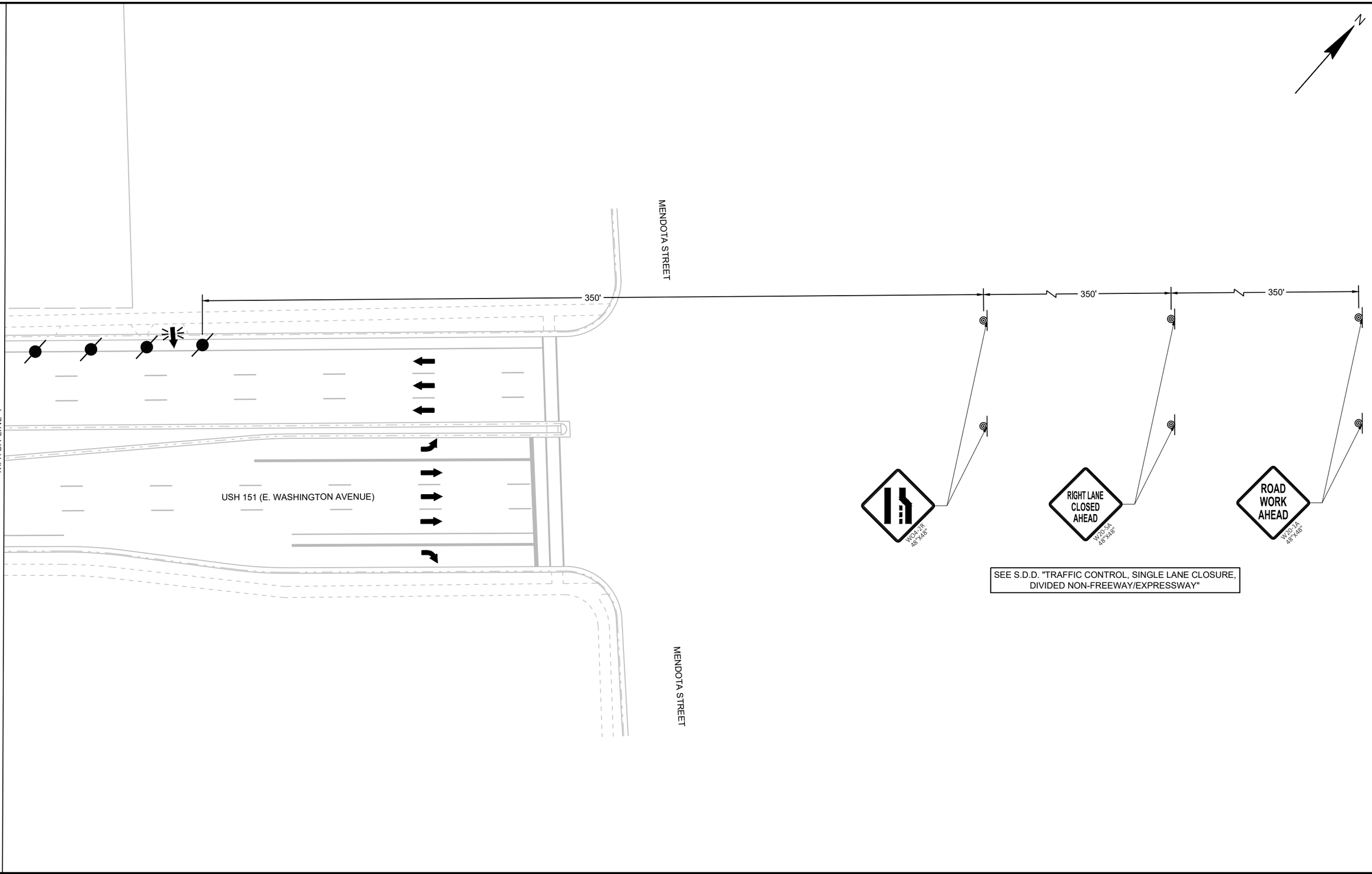
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026606-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

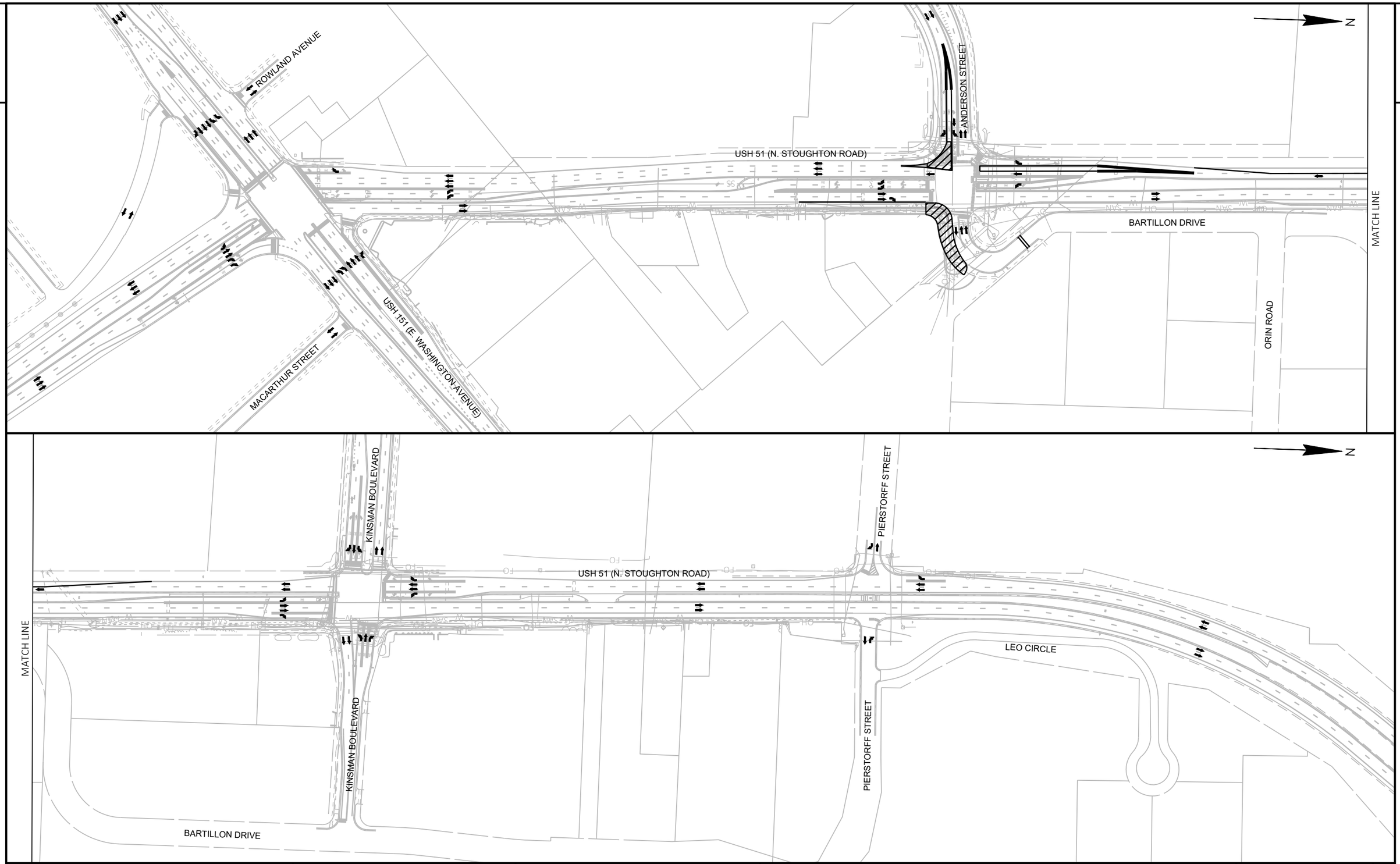
2



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: USH 51 BASE PATCHING - STAGE 2	SHEET 103	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026601-BASE PATCHING.DWG
LAYOUT NAME - 026607-bp_2

PLOT DATE : 7/16/2022 8:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A OVERVIEW	SHEET 104	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026000-s1a
PLOT DATE : 7/16/2022 9:00 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

2

N

USH 151 (E. WASHINGTON AVENUE)

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

USH 151 (E. WASHINGTON AVENUE)

BP: 9+50.00

10+00

11+00

12+00

13+00

PI: 13+33.56

MATCH LINE STA. 14+00

GRASS

ASPHALT

GRASS

GRASS

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

ONLY

ONLY

ONLY

ONLY

CONCRETE

CONCRETE

CONCRETE

CONCRETE

PCMS

GRASS

LANDSCAPING

CONCRETE

ASPHALT

GRASS

GRASS

BLOCK PLANTER
& SIGN

ASPHALT

ROAD
WORK
AHEAD

W20-1A
48"X48"

SPEED
LIMIT
35

TO REMAIN

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

INSTALL ONE WEEK PRIOR TO START OF CONSTRUCTION
MESSAGE:
CONST
BEGINS
XX-XX

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 105	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026001-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

END
ROAD WORK
G20-2A
48"X24"

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PC: 14+28.54
PT: 15+27.33
PC: 15+58.02
PT: 16+04.60
PI: 17+73.25
PI: 18+24.11
PI: 19+77.19

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

14+00
15+00
16+00
17+00
18+00
19+00
20+00

CONCRETE
ASPHALT
GRASS

(ON STREET
LIGHT POLE)

SPEED
LIMIT
35
TO REMAIN

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

SAO ENTERPRISES LLC
1601 N STOUGHTON RD

UNPUBLISHED
1609 N STOUGHTON RD

BEAMGUARD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 106	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026002-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 'A'

SPEED LIMIT 35 TO REMAIN

SPEED LIMIT 35 TO REMAIN

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

USH 51 (N. STOUGHTON ROAD) SB

PI: 21+18.29

PI: 24+45.83

PI: 25+42.03

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

WO1-6
48"X24"

ANDERSON STREET

MATCH LINE STA. 20+00

21+00

22+00

23+00

24+00

25+00

MATCH LINE STA. 26+00

USH 51 (N. STOUGHTON ROAD) NB

MAINTAIN DRIVEWAY ACCESS

MAINTAIN DRIVEWAY ACCESS

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

LANE CLOSED
R11-2L
48"X30"

UNPUBLISHED
1617 N STOUGHTON RD

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

KWIK TRIP INC
1625 N STOUGHTON RD

SAWING CONCRETE REQUIRED 2' FROM GUTTER FLANGE, INSTALL 3-INCHES ASPHALTIC SURFACE TEMPORARY OVER 5-INCHES BASE AGGREGATE DENSE 1 1/4-INCH IN THIS AREA AFTER NEW CURB & GUTTER IS INSTALLED.

N STOUGHTON SERVICE ROAD

MAINTAIN DRIVEWAY ACCESS

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 107 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026003-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

ANDERSON STREET

END
ROAD WORK
G20-2A
48"X24"

RIGHT LANE
MUST
TURN RIGHT
R3-7R
30"X30"

TEMPORARY MARKING LINE
REMOVABLE TAPE 8-INCH
(WHITE)

WO12-1D
48"X48"

ONLY
R3-8ER
36"X30"

MATCH LINE 'A'

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 108	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026009-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TO REMAIN

WO12-1D
48"X48"

LANE CLOSED
R11-2L
48"X30"

DANE COUNTY TRUAX AIR PARK
3550 ANDERSON ST

BEGIN LEFT TURN LANE

TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH (TYP.)

STA. 28+17

PI: 29+10.16

STA. 30+37

XXXXX

XXXXX

XXXXX

PI: 31+63.97

USH 51 (N. STOUGHTON ROAD) SB

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

27+00

28+00

29+00

30+00

31+00

USH 51 (N. STOUGHTON ROAD) NB

N. STOUGHTON SERVICE ROAD

ASPHALT

END ROAD WORK
G20-2A
48"X24"

TEMPORARY PEDESTRIAN CURB RAMP

6

REMOVE EXISTING CURB & GUTTER TO NEAREST JOINT AND INSTALL 3-INCHES ASPHALTIC SURFACE TEMPORARY OVER 5-INCHES BASE AGGREGATE DENSE 1 1/4-INCH TO FILL IN CURB & GUTTER AREA

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

END ROAD WORK
G20-2A
48"X24"

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 109	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026004-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 35
TO REMAIN

SPEED LIMIT 35
R2-1
36"X48"

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

MARKING REMOVAL LINE 4-INCH (TYP.)

245' TAPER

STA. 32+07

STA. 34+55

STA. 37+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

CONCRETE

GRASS

ASPHALT

33+00

34+00

35+00

36+00

37+00

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

SPEED LIMIT 45
TO REMAIN

BARTILLON DRIVE

ORIN ROAD

DANLILY LLC
1904 BARTILLION DR

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 110	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026005-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

W1-4R 48"X48"

JOMA INDUSTRIES INC
1925 WRIGHT ST

KINSMAN BOULEVARD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PI: 42+23.58

38+00

39+00

40+00

41+00

42+00

43+00

44

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

KINSMAN BOULEVARD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 111	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026006-s1a

PLOT DATE : 7/16/2022 9:00 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

N

RIGHT LANE CLOSED AHEAD
W20-5A
48"x48"

ROAD WORK AHEAD
W20-1A
48"x48"

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

PI: 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

45+00 46+00 47+00 48+00 49+00

CONCRETE GRASS ASPHALT GRAVEL

SPEED LIMIT 45 TO REMAIN

SIGN

HAROLD E NEWTON TRUST 3700 KINSMAN BLVD

HECTOR ADAME LLC 2115 N STOUGHTON RD

HECTOR ADAME LLC 2123 N STOUGHTON RD

UNPUBLISHED 2125 STOUGTHON RD

PETER GARTMANN 2129 STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 112	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026007-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE STA. 50+00

PIERSTORFF STREET

GUY

SPEED LIMIT 45
TO REMAIN

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

ONE WAY
STOP
TO REMAIN

INSTALL ONE WEEK PRIOR TO START OF CONSTRUCTION
MESSAGE:
CONST
BEGINS
XX-XX

PCMS

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

PI: 53+29.36

EP: 54+92.90

GRASS

CONC.

51+00

52+00

53+00

54+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

ENVIRONMENTALLY SENSITIVE AREA

DLZ2X LLC
2149 STOUGHTON RD

DLZ2X LLC
2203 LEO CIR
TOWN OF BURKE

ONE WAY
TO REMAIN

ONE WAY
STOP
TO REMAIN

PIERSTORFF STREET

LEO CIRCLE

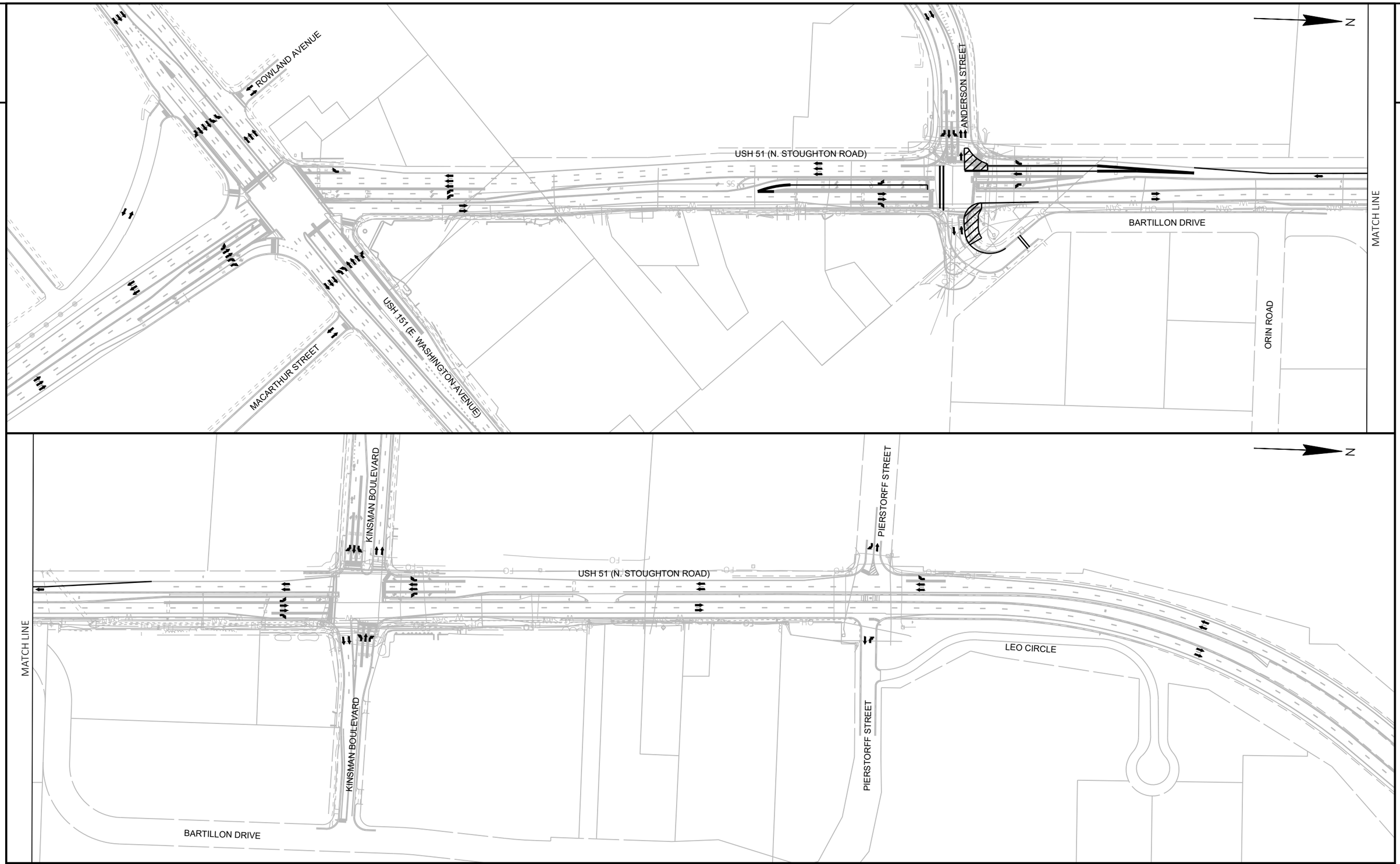
ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1A	SHEET 113	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026001-S1A.DWG
LAYOUT NAME - 026008-s1a

PLOT DATE : 7/16/2022 9:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B OVERVIEW	SHEET 114	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026001-s1b
PLOT DATE : 7/16/2022 9:05 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

2

N

USH 151 (E. WASHINGTON AVENUE)

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

USH 151 (E. WASHINGTON AVENUE)

BP: 9+50.00

10+00

11+00

12+00

13+00

PI: 13+33.56

MATCH LINE STA. 14+00

GRASS

ASPHALT

GRASS

GRASS

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

ONLY

ONLY

ONLY

ONLY

CONCRETE

CONCRETE

CONCRETE

CONCRETE

GRASS

LANDSCAPING

ASPHALT

GRASS

GRASS

BLOCK PLANTER
& SIGN

ASPHALT

ROAD
WORK
AHEAD

W20-1A
48"X48"

SPEED
LIMIT
35
TO REMAIN

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 115	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026101-s1b

PLOT DATE : 7/16/2022 9:05 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

GUY

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PC: 14+28.54
PT: 15+27.33
PC: 15+58.02
PT: 16+04.60
PI: 17+73.25
PI: 18+24.11
PI: 19+77.19

14+00
15+00
16+00
17+00
18+00
19+00
20+00

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

CONCRETE
ASPHALT
GRASS
SS
W
SAN
FO
OHO
OH
G
WV
AM
BEAMGUARD

(ON STREET LIGHT POLE)

SPEED LIMIT 35
TO REMAIN

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

SAO ENTERPRISES LLC
1601 N STOUGHTON RD

UNPUBLISHED
1609 N STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 116	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026102-s1b
PLOT DATE : 7/16/2022 9:05 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

MATCH LINE 'A'

N

WO1-6
48"X24"

SPEED LIMIT 35
TO REMAIN

SPEED LIMIT 35
TO REMAIN

LANE CLOSED
R11-2L
48"X30"

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

ANDERSON STREET

USH 51 (N. STOUGHTON ROAD) SB

PI: 21+18.29

PI: 24+45.83

PI: 25+47.1

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

21+00

22+00

23+00

24+00

25+00

8'

USH 51 (N. STOUGHTON ROAD) NB

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

UNPUBLISHED
1617 N STOUGHTON RD

KWIK TRIP INC
1625 N STOUGHTON RD

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

SAWING CONCRETE REQUIRED 2' FROM GUTTER FLANGE, INSTALL 3-INCHES ASPHALTIC SURFACE TEMPORARY OVER 5-INCHES BASE AGGREGATE DENSE 1 1/4-INCH IN THIS AREA AFTER NEW CURB & GUTTER IS INSTALLED.

WO12-1D
48"X48"

N. STOUGHTON SERVICE ROAD

LANE CLOSED
R11-2L
48"X30"

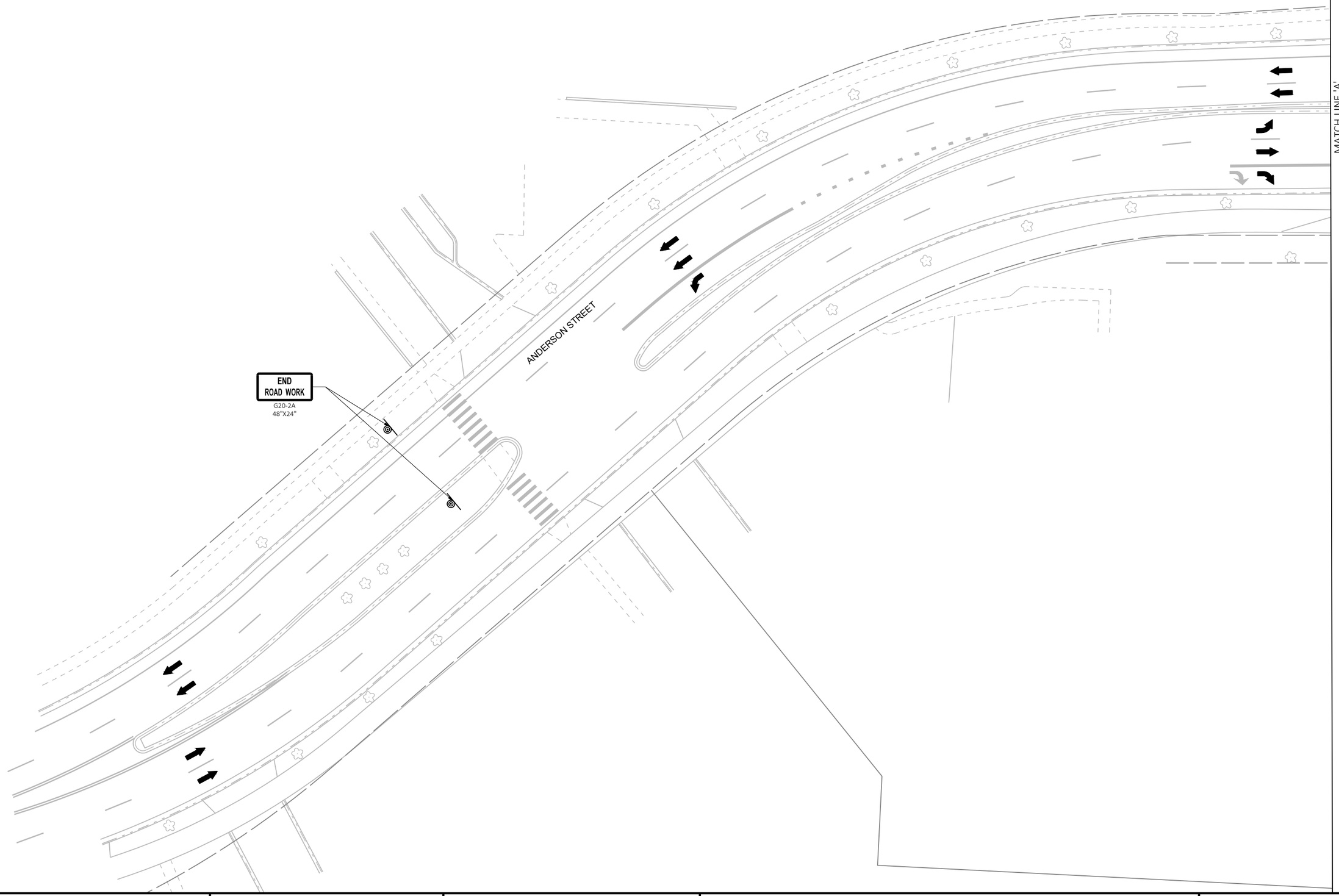
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 117	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026103-s1b

PLOT DATE : 7/16/2022 9:05 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

N



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 118	E

2

2

N

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

TO REMAIN

WO12-1D
48"X48"

LANE CLOSED
R11-2L
48"X30"

DANE COUNTY TRUAX AIR PARK
3550 ANDERSON ST

BEGIN LEFT TURN LANE

TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

MATCH LINE STA. 26+00

STA. 28+17

PI: 29+10.16

STA. 30+37

PI: 31+63.97

CONCRETE

USH 51 (N. STOUGHTON ROAD) SB

GRASS

27+00

28+00

29+00

30+00

31+00

32

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 32+00

GUY

NAS

WV

HO

SS

W

GRASS

CONC.

END ROAD WORK
G20-2A
48"X24"

N. STOUGHTON SERVICE ROAD

ASPHALT

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

END ROAD WORK
G20-2A
48"X24"

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 119	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026104-s1b

PLOT DATE : 7/16/2022 9:06 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 35
TO REMAIN

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

SPEED LIMIT 35
R2-1
36"X48"

STA. 32+07

STA. 34+55

245' TAPER

STA. 37+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

CONCRETE

GRASS

ASPHALT

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

33+00

34+00

35+00

36+00

37+00

SPEED LIMIT 45
TO REMAIN

BARTILLON DRIVE

ORIN ROAD

DANLILY LLC
1904 BARTILLION DR

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 120	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026105-s1b

PLOT DATE : 7/16/2022 9:06 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

W4-2R 48"X48"

JOMA INDUSTRIES INC
1925 WRIGHT ST

KINSMAN BOULEVARD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PI: 42+23.58

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

38+00 39+00 40+00 41+00 42+00 43+00 44

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

KINSMAN BOULEVARD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 121	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026106-s1b

PLOT DATE : 7/16/2022 9:06 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

RIGHT LANE CLOSED AHEAD
W20-5A
48"x48"

ROAD WORK AHEAD
W20-1A
48"x48"

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

PI: 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

45+00 46+00 47+00 48+00 49+00

CONCRETE GRASS ASPHALT GRAVEL

SPEED LIMIT 45 TO REMAIN

SIGN

HAROLD E NEWTON TRUST 3700 KINSMAN BLVD

HECTOR ADAME LLC 2115 N STOUGHTON RD

HECTOR ADAME LLC 2123 N STOUGHTON RD

UNPUBLISHED 2125 STOUGTHON RD

PETER GARTMANN 2129 STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 122	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026107-s1b

PLOT DATE : 7/16/2022 9:06 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

PIERSTORFF STREET

SPEED LIMIT 45
TO REMAIN

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

ONE WAY
STOP
TO REMAIN

GUY

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

PI: 53+29.36

EP: 54+92.90

GRASS

CONC.

51+00

52+00

53+00

54+00

MATCH LINE STA. 50+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

ENVIRONMENTALLY SENSITIVE AREA

DLZ2X LLC
2149 STOUGHTON RD

DLZ2X LLC
2203 LEO CIR
TOWN OF BURKE

ONE WAY
TO REMAIN

ONE WAY
STOP
TO REMAIN

PIERSTORFF STREET

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

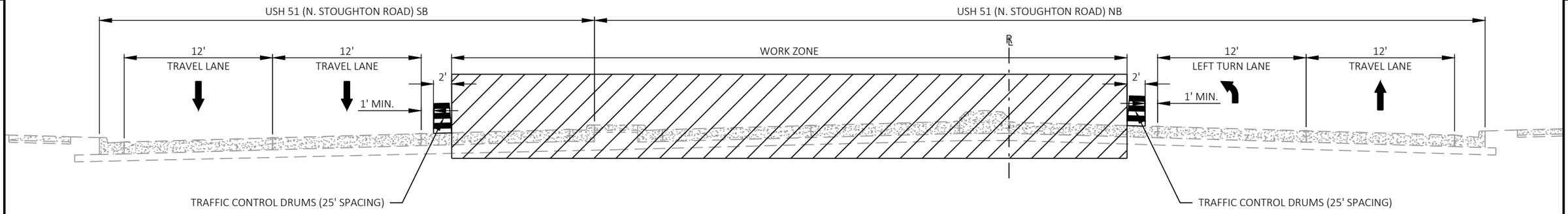
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1B	SHEET 123	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026101-S1B.DWG
LAYOUT NAME - 026108-s1b

PLOT DATE : 7/16/2022 9:06 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

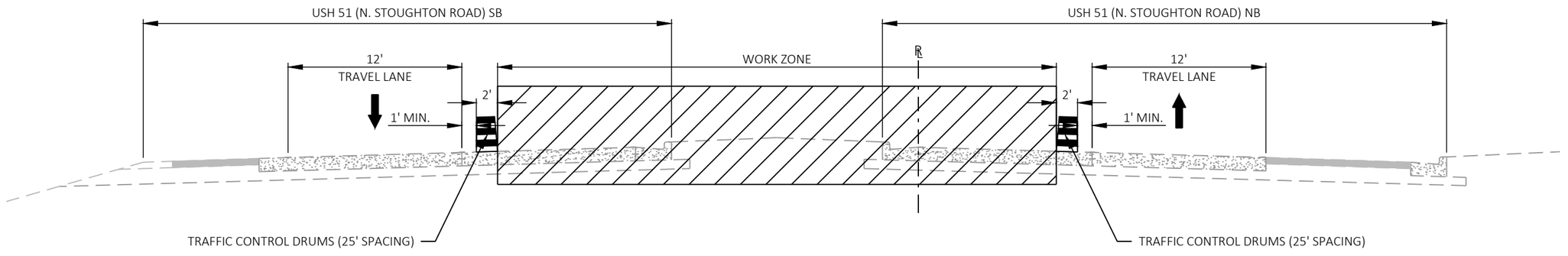
WISDOT/CADDS SHEET 42

2



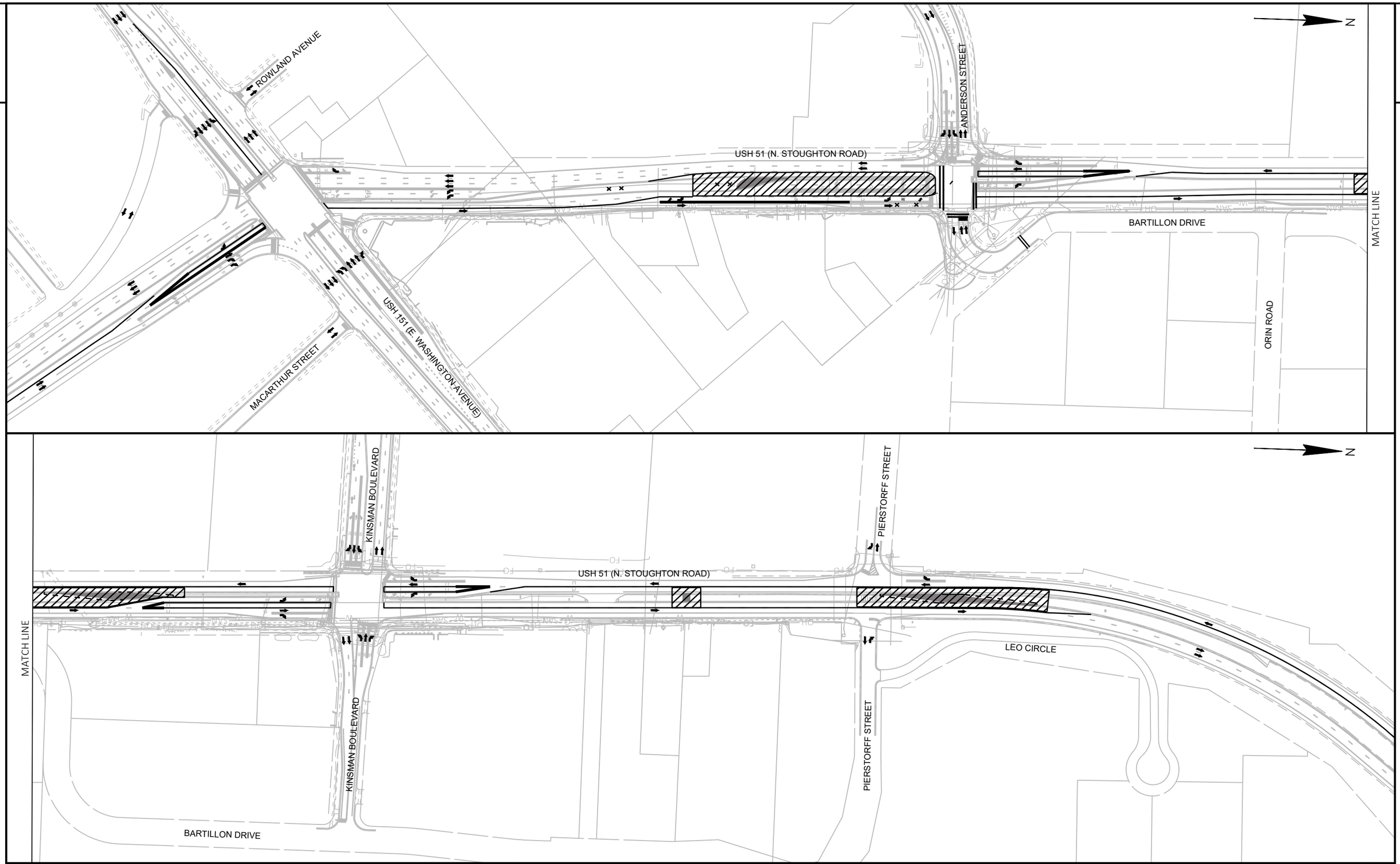
TRAFFIC CONTROL TYPICAL SECTION - STAGE 1C

STA. 19+00 TO STA. 24+50



TRAFFIC CONTROL TYPICAL SECTION - STAGE 1C

STA. 24+50 TO END OF PROJECT



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C OVERVIEW	SHEET 125	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026002-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'A'

500'

500'

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-5SA
48"X48"

W4N-2L
48"X48"

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 126	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026201-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

CONCORD AVENUE

N. STOUGHTON SERVICE ROAD

MATCH LINE 'A'

MATCH LINE 'B'

USH 51 (N. STOUGHTON ROAD) SB

MARKING REMOVAL LINE 4-INCH (TYP.)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

xxxxx

540' TAPER

USH 51 (N. STOUGHTON ROAD) NB

SPEED LIMIT 35 TO REMAIN

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 127	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026202-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

PRAIRIE AVENUE

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

MATCH LINE 'B'

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

XXXXX
540' TAPER

USH 51 (N. STOUGHTON ROAD) NB

MARKING REMOVAL LINE 4-INCH (TYP.)

XXXXX
100' OPENING

XXXXX

MATCH LINE 'C'

LANE CLOSED
R11-2L
48"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 128	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026203-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE 'D'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

GRASS

ASPHALT

GRASS

GRASS

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

END
ROAD WORK
G20-2A
48"X24"

ONLY

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

PI: 13+33.56

ONLY

ONLY

CONCRETE

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14

MATCH LINE STA. 14+00

WO1-6
48"X24"

USH 51 (N. STOUGHTON ROAD) NB

GRASS

CONCRETE

LANDSCAPING

ASPHALT

GRASS

SPEED
LIMIT
35
TO REMAIN

GRASS
BLOCK PLANTER
& SIGN

ASPHALT

USH 151 (E. WASHINGTON AVENUE)

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

MATCH LINE 'C'

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

LANE
CLOSED
R11-2L
48"X30"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 129	E

2

2

(OVERHEAD)

ONLY

COVERING SIGNS TYPE II

(OVERHEAD)

ONLY

TO REMAIN

LANE CLOSED

R11-2L
48"X30"

ROWLAND AVENUE

USH 151 (E. WASHINGTON AVENUE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

MATCH LINE 'D'

N. STOUGHTON SERVICE ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 130	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026205-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MARKING REMOVAL SPECIAL MARKING (ONLY)

REMOVING CURB & GUTTER

SAWING CONCRETE 2' FROM CONCRETE SAFETY ISLAND

MARKING REMOVAL SPECIAL MARKING (LEFT ARROW)

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PI: 17+73.25

PI: 18+24.11

PI: 19+17.19

USH 51 (N. STOUGHTON ROAD) SB

MARKING REMOVAL SPECIAL MARKING (ONLY)

MARKING REMOVAL SPECIAL MARKING (LEFT ARROW)

ONE WAY
R6-2R
24"X30"

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

USH 51 (N. STOUGHTON ROAD) NB

STA. 17+25

STA. 18+25

MARKING REMOVAL LINE 4-INCH

BEGIN LEFT TURN LANE
R3-20L
24"X36"

TEMPORARY MARKING ARROW PAINT (TYPE 2, WHITE)

TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)

ONE WAY
R6-2R
24"X30"

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)

(ON STREET LIGHT POLE)

SPEED LIMIT 35
TO REMAIN

Anderson St
Dane Co Airport
Madison College
Service Rd
USE EXISTING SIGN FROM STA. 20+15

ONLY
R3-8LF
36"X30"

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

SAO ENTERPRISES LLC
1601 N STOUGHTON RD

UNPUBLISHED
1609 N STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 131	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026206-s1c
PLOT DATE : 7/16/2022 9:43 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

WO1-6
48"X24"

SPEED LIMIT 35
R2-1
36"X48"

SPEED LIMIT 35
TO REMAIN

ANDERSON STREET

COVER PLATES TEMPORARY

EXISTING CURB & GUTTER TO REMAIN

REMOVING CURB & GUTTER

REMOVING CURB & GUTTER

EXISTING CURB & GUTTER AND
CONCRETE MEDIAN TO REMAIN

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

STA. 20+19

STA. 21+13

USH 51 (N. STOUGHTON ROAD) SB

PI: 21+13.29

PI: 24+45.83

80' RADIUS

PI: 25+42.03

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

20+00

21+00

22+00

23+00

24+00

25+00

26

USH 51 (N. STOUGHTON ROAD) NB

MARKING REMOVAL
LINE WIDE (TYP.)

6'

MARKING REMOVAL
LINE 8-INCH

6'

WO1-6
48"X24"

TEMPORARY
MARKING LINE
REMOVABLE
TAPE 4-INCH
(WHITE)

MARKING REMOVAL
LINE WIDE

N STOUGHTON
SERVICE ROAD

TEMPORARY MARKING LINE PAINT 8-INCH
(WHITE)

MARKING REMOVAL LINE 4-INCH

SAWING CONCRETE 2' FROM CONCRETE SAFETY ISLAND

LANE CLOSED
R11-2L
48"X30"

MARKING REMOVAL SPECIAL MARKING
(ONLY)

TEMPORARY MARKING WORD PAINT
(ONLY, WHITE)

MARKING REMOVAL SPECIAL MARKING
(RIGHT ARROW)

TEMPORARY MARKING ARROW PAINT
(TYPE 2, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(WHITE) INSTALLED AS PART OF STAGE 1B TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW, 2' LINE, 6' GAP)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(WHITE)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
(WHITE)

UNPUBLISHED
1617 N STOUGHTON RD

KWIK TRIP INC
1625 N STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 132	E

2

2

N

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

COVERING SIGNS TYPE II

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

LANE CLOSED
R11-2L
48"X30"

COUNTY TRUAX AIR PARK
3550 ANDERSON ST

BEGIN LEFT TURN LANE

COVERING SIGNS TYPE II

BEGIN LEFT TURN LANE
R3-20L
24"X36"

STA. 28+89
XXXXX

29+10.16

XXXXX

STA. 29+89

USH 51 (N. STOUGHTON ROAD) SB

PI: 31+63.97

MARKING REMOVAL LINE 4-INCH (TYP.)

27+00 28+00 29+00 30+00 31+00

USH 51 (N. STOUGHTON ROAD) NB

N. STOUGHTON SERVICE ROAD

ASPHALT

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 133	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026208-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 35
TO REMAIN

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

REMOVING CURB & GUTTER

MARKING REMOVAL LINE 4-INCH

MARKING REMOVAL LINE 4-INCH (TYP.)

REMOVING CURB & GUTTER

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

CONCRETE

GRASS

ASPHALT

33+00

34+00

35+00

36+00

37+00

STA. 36+00

STA. 36+78

STA. 37+28

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 45
TO REMAIN

BARTILLON DRIVE

Kinsman Blvd
USE EXISTING SIGN FROM STA. 35+36

BEGIN LEFT TURN LANE
R3-20L
24"X36"

DANLILY LLC
1904 BARTILLON DR

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

WO12-1D
48"X48"

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 134	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026209-s1c
PLOT DATE : 7/16/2022 9:43 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

KINSMAN BOULEVARD

ONLY ONLY ONLY

JOMA INDUSTRIES INC
1925 WRIGHT ST

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

LANE CLOSED
R11-2L
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

PI 42+23.58

STA. 43+90

MATCH LINE STA. 38+00

38+00 39+00 40+00 41+00 42+00 43+00 44

MATCH LINE STA. 44+00

USH 51 (N. STOUGHTON ROAD) NB

LANE CLOSED
R11-2L
48"X30"

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

WO1-6
48"X24"

KINSMAN BOULEVARD

ONLY ONLY ONLY

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 135	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026210-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

LANE CLOSED
R11-2L
48"X30"

R3-2
36"X36"

REMOVING CURB & GUTTER

STA. 44+68

STA. 45+48

PI 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

STA. 49+06

STA. 49+21

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

45+00

46+00

47+00

48+00

49+00

CONCRETE

GRASS

ASPHALT

GRAVEL

SIGN

GUY

ONE WAY
R6-2R
24"X30"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT
45
TO REMAIN

HAROLD E NEWTON TRUST 3700
KINSMAN BLVD

HECTOR ADAME LLC
2115 N STOUGHTON RD

HECTOR ADAME LLC 2123 N
STOUGHTON RD

UNPUBLISHED
2125 STOUGTHON RD

PETER GARTMANN
2129 STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 136	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026211-s1c

PLOT DATE : 7/16/2022 9:43 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE STA. 50+00

MATCH LINE 'E'

SPEED LIMIT 45
TO REMAIN

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

LANE CLOSED
R11-2L
48"X30"

ONE WAY
STOP
TO REMAIN

PIERSTORFF STREET

GUY

MAINTAIN BIKE ACCESS
AS MUCH AS POSSIBLE

MARKING REMOVAL LINE 4-INCH
REMOVING CURB & GUTTER

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH
(YELLOW)

PI: 53+29.36

EP: 54+92.90

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

GRASS

CONC. GRASS CONC.

50+00

51+00

52+00

53+00

54+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

ENVIRONMENTALLY SENSITIVE AREA

LANE CLOSED
R11-2L
48"X30"

DLZ2X LLC
2149 STOUGHTON RD

DLZ2X LLC
2203 LEO CIR
TOWN OF BURKE

PIERSTORFF STREET

ONE WAY
STOP
TO REMAIN

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 137	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026212-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SPEED LIMIT 45 TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

LANE CLOSED
R11-2L
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

MATCH LINE 'E'

MARKING REMOVAL LINE 4-INCH

REMOVING CURB & GUTTER

LEO CIRCLE

USH 51 (N. STOUGHTON ROAD) NB

SPEED LIMIT 55 TO REMAIN

MATCH LINE 'F'

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 138	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026213-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SPEED LIMIT 45

COVERING SIGNS TYPE II

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

MARKING REMOVAL LINE 4-INCH (TYP.)

USH 51 (N. STOUGHTON ROAD) SB

xxxxx xxxxx xxxxx xxxxx 540' TAPER xxxxx

MATCH LINE 'G'

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'F'

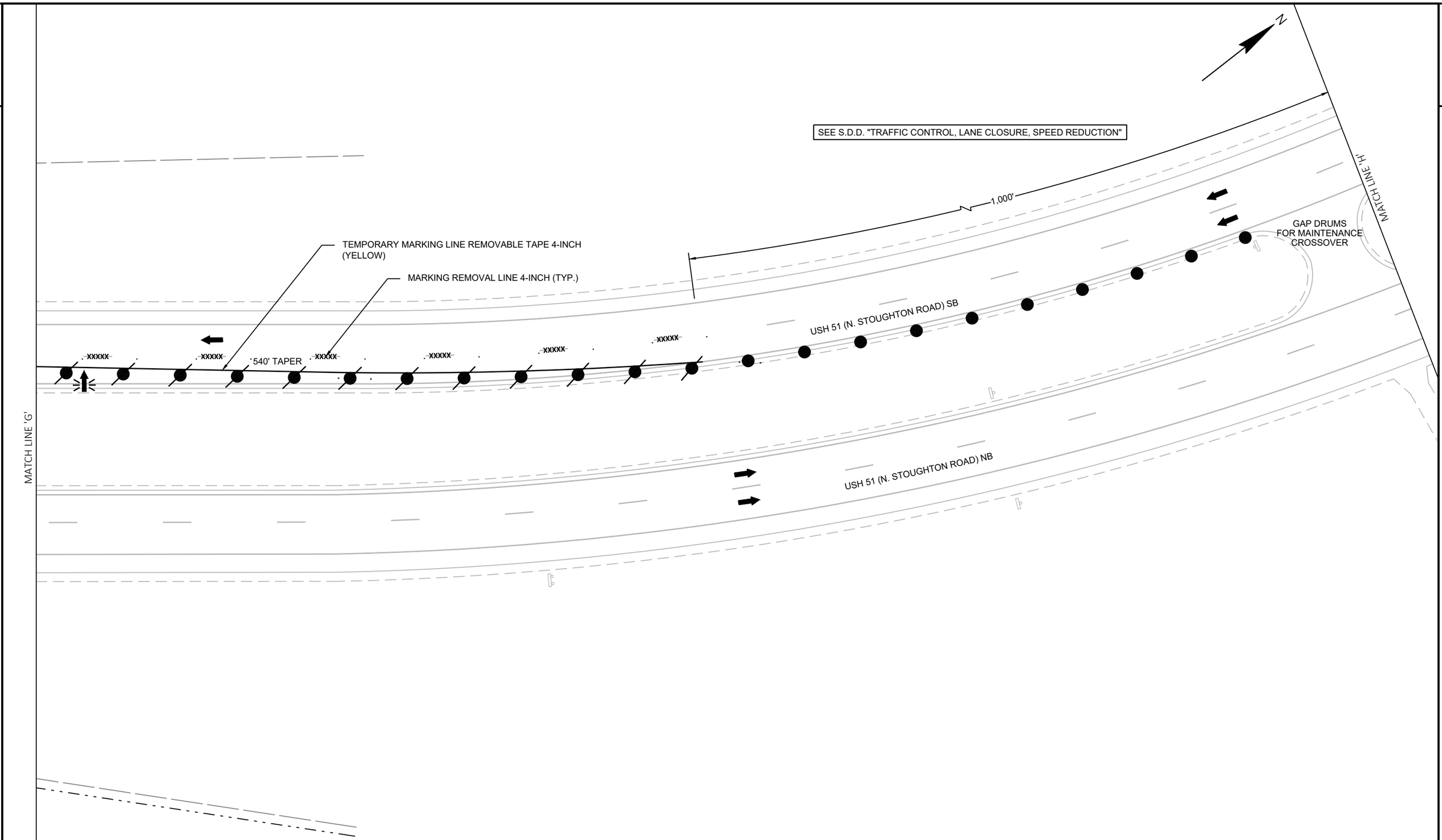
END ROAD WORK

G20-2A
48"X24"

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 139	E

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 140	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026215-s1c

PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCH LINE 'H'

1,000'

500'

700'

400'

2,600'

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

W4-2L
48"X48"

SPEED LIMIT 45
R2-1
48"X60"

W3-5
48"X48"

LEFT LANE CLOSED 1/2 MILE
W20-5G
48"X48"

ROAD WORK 1 MILE
W20-1F
48"X48"

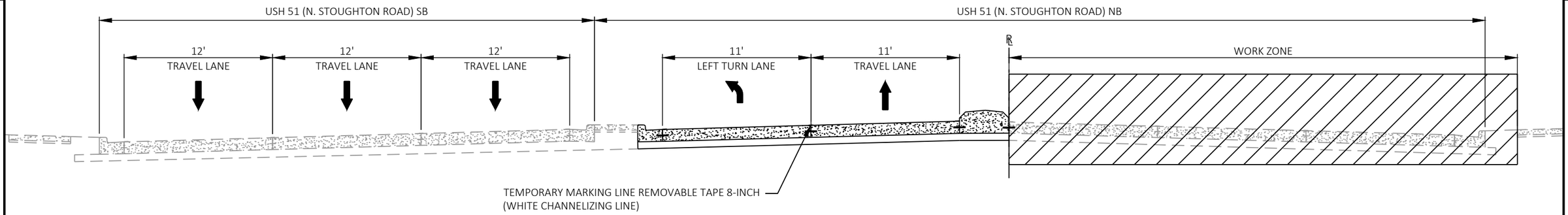
SEE S.D.D. "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 1C	SHEET 141	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026201-S1C.DWG
LAYOUT NAME - 026216-s1c

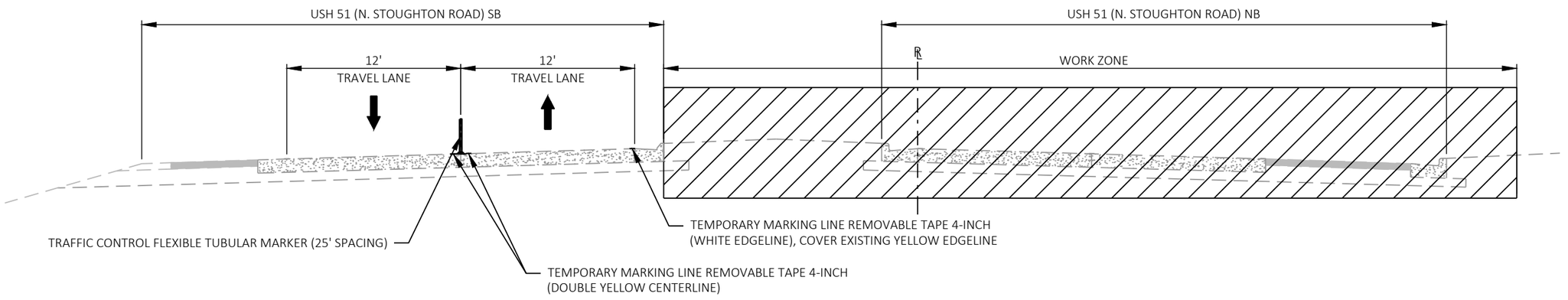
PLOT DATE : 7/16/2022 9:43 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



TRAFFIC CONTROL TYPICAL SECTION - STAGES 2A, 2B & 2C

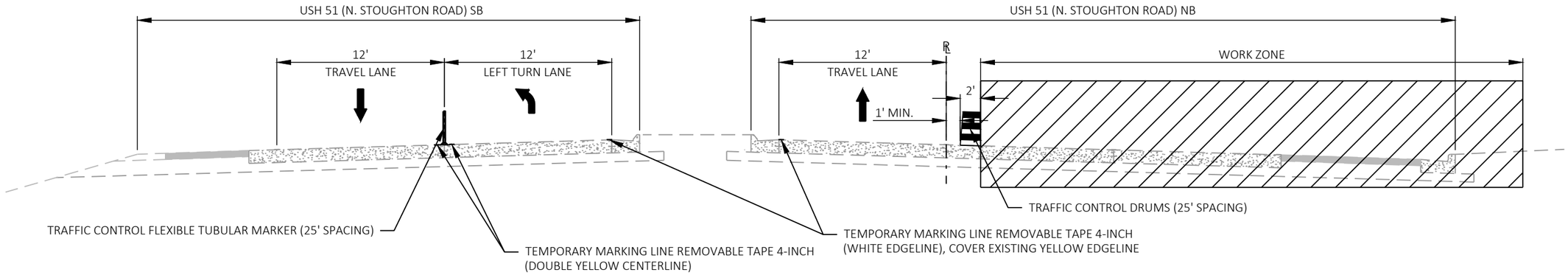
STA. 19+00 TO STA. 24+50



TRAFFIC CONTROL TYPICAL SECTION - STAGES 2A, 2B & 2C

STA. 24+50 TO STA. 34+50
STA. 45+00 TO END OF PROJECT

2



TRAFFIC CONTROL TYPICAL SECTION - STAGES 2A, 2B & 2C

STA. 34+50 TO STA. 45+00

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGES 2A, 2B & 2C TYPICAL SECTIONS	SHEET 143	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING TYPICALS.DWG
LAYOUT NAME - 026002-ts
PLOT DATE : 7/20/2022 10:11 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:8 FT
WISDOT/CADDS SHEET 42

2

ROWLAND AVENUE

USH 51 (N. STOUGHTON ROAD)

ANDERSON STREET

BARTILLON DRIVE

MATCH LINE

ORIN ROAD

USH 151 (E. WASHINGTON AVENUE)

MACARTHUR STREET

N

2

KINSMAN BOULEVARD

PIERSTORFF STREET

USH 51 (N. STOUGHTON ROAD)

LEO CIRCLE

MATCH LINE

KINSMAN BOULEVARD

PIERSTORFF STREET

BARTILLON DRIVE

N

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A OVERVIEW	SHEET 144	E

2

2

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'A'

500'

500'

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-5SA
48"X48"

W4N-2L
48"X48"

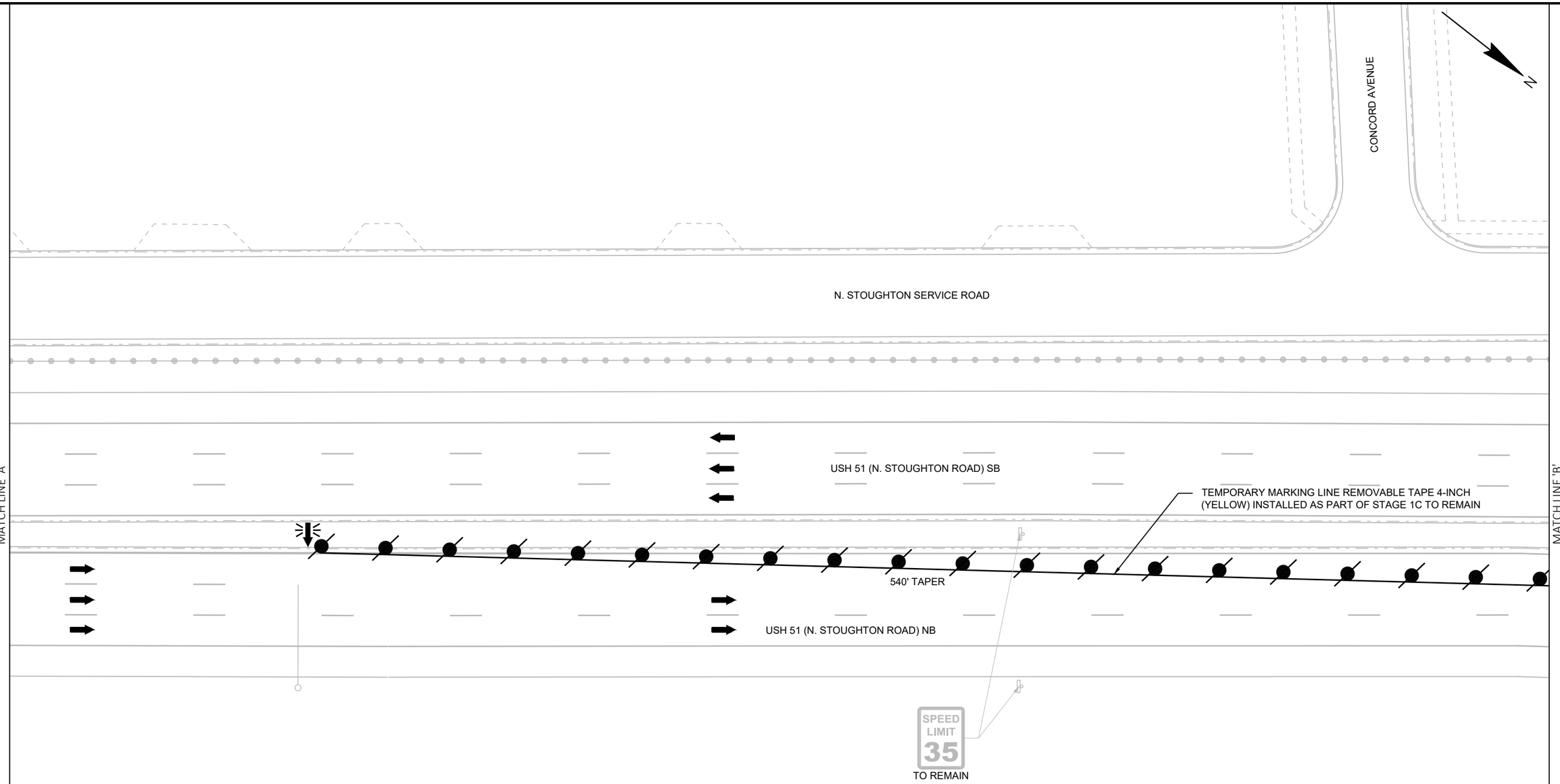
SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 145	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026301-s2a

PLOT DATE : 7/20/2022 10:13 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 146	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026302-s2a

PLOT DATE : 7/20/2022 10:13 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PRAIRIE AVENUE

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

MATCH LINE 'B'

MATCH LINE 'C'

540' TAPER

USH 51 (N. STOUGHTON ROAD) NB

LANE CLOSED
R11-2L
48"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 147	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026303-s2a

PLOT DATE : 7/20/2022 10:13 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE 'D'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

GRASS

ASPHALT

GRASS

GRASS

ONLY

END
ROAD WORK
G20-2A
48"X24"

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

PI: 13+33.56

ONLY

ONLY

CONCRETE

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14

MATCH LINE STA. 14+00

XXXXX

WO1-6
48"X24"

USH 51 (N. STOUGHTON ROAD) NB

STA. 13+50

GRASS

CONCRETE

LANDSCAPING

ASPHALT

GRASS

CONC

GRASS
BLOCK PLANTER
& SIGN

USH 151 (E. WASHINGTON AVENUE)

WO1-2L
48"X48"

SPEED
LIMIT
35

COVER SIGN WITH

25
MPH
WO13-1
36"X36"

SPEED
LIMIT
25
R2-1
36"X48"

MARKING REMOVAL LINE 4-INCH

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH
(WHITE)

WO1-6
48"X24"

MATCH LINE 'C'

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

LANE
CLOSED
R11-2L
48"X30"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 148	E

2

2

(OVERHEAD)

ONLY

SIGN COVERED AS
PART OF STAGE 1C
TO REMAIN COVERED

(OVERHEAD)

ONLY

TO REMAIN

LANE
CLOSED

R11-2L
48"X30"

ROWLAND AVENUE

USH 151 (E. WASHINGTON AVENUE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

MATCH LINE 'D'

N. STOUGHTON SERVICE ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 149	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026305-s2a

PLOT DATE : 7/20/2022 10:13 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 1, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE, 3' LINE, 9' GAP)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MARKING REMOVAL LINE 4-INCH

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PI: 17+73.25

PI: 18+24.11

PI: 19+77.19

STA. 15+75

STA. 17+73

STA. 19+00

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

GAP DRUMS TO MAINTAIN DRIVEWAY ACCESS

CONCRETE PAVEMENT GAP

(ON STREET LIGHT POLE)

SPEED LIMIT 35

COVERING SIGNS TYPE II

ONLY
R3-8LF
36"X30"

CONCRETE PAVEMENT GAP

Anderson St
Dane Co Airport
Madison College
Service Rd

USE EXISTING SIGN FROM STA. 20+15

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

SPEED LIMIT 25
R2-1
36"X48"

CONCRETE PAVEMENT GAP

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 150	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026306-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

SPEED LIMIT 35 TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

USH 51 (N. STOUGHTON ROAD) SB

PERMANENT MARKING ARROW TYPE 2

PERMANENT 4-INCH YELLOW MARKING

PERMANENT WORD MARKING

PERMANENT 18-INCH STOP LINE MARKING

PERMANENT MARKING ARROW TYPE 2

PERMANENT 8-INCH WHITE MARKING

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

PI: 21+18.29

PI: 24+45.83

PI: 25+42.03

21+00 22+00 23+00 24+00 25+00 26

ANDERSON STREET

ONLY

ASPHALT

CONCRETE

GRASS

BOULDER WALL

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

(ON TRAFFIC SIGNAL POLE)

40' RADIUS

DO NOT ENTER

COVERING SIGNS TYPE II

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW, 2' LINE, 6' GAP)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER STOP LINE

PAVING LIMITS STA. 24+48

PAVING LIMITS STA. 25+50

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1B TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE, 2' LINE, 6' GAP)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE1C TO REMAIN

TRUCK
M4-4
24"X12"

R3-1
24"X24"

LANE CLOSED
R11-2L
48"X30"

WO13-2L
48"X48"

15 MPH
WO13-1
36"X36"

(ON TRAFFIC SIGNAL POLE)

COVER SIGN WITH

R4-8
24"X30"

N. STOUGHTON SERVICE ROAD

ROAD CLOSED
R11-2
48"X30"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 151	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026307-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

SIGN COVERED AS PART OF STAGE 1C TO REMAIN COVERED

WRONG WAY

COVERING SIGNS TYPE II

TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

MARKING REMOVAL LINE 4-INCH (TYP.)

BEGIN LEFT TURN LANE

SIGN COVERED AS PART OF STAGE 1C TO REMAIN COVERED

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

USH 51 (N. STOUGHTON ROAD) SB

STA. 27+85

STA. 28+93

PI: 29+10.16

PI: 31+63.97

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

USH 51 (N. STOUGHTON ROAD) NB

NO TRUCK ACCESS TO HWY 51 NORTH

TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL) 72"X24"

WO1-6 48"X24"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

N. STOUGHTON SERVICE ROAD

SPEED LIMIT 25

R2-1 36"X48"

WO53 48"X48"

NEXT 1/2 MILES

WO57-51 48"X24"

DO NOT PASS

R4-1 24"X30"

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY PEDESTRIAN CURB RAMP INSTALLED AS PART OF STAGE 1A TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 1A TO REMAIN

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 152	E

2

N

WO13-3R
48"X48"

25
MPH
WO13-1
36"X36"

SPEED
LIMIT
35
TO REMAIN

DO
NOT
PASS
R4-1
24"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE, 3' LINE, 9' GAP)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(DOUBLE YELLOW)

TEMPORARY MARKING ARROW REMOVABLE TAPE
(TYPE 2, WHITE)

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

STA. 34+78

STA. 36+04

STA. 37+04

STA. 37+28

GRASS

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

33+00

34+00

35+00

36+00

37+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

GRASS

SAN

HO

FO

GUY

ONLY
R3-8LF
36"X30"

Kinsman Blvd
USE EXISTING SIGN
FROM STA. 35+36

DMV
USE EXISTING SIGN
FROM STA. 37+36

SPEED
LIMIT
45
COVERING
SIGNS
TYPE II

BARTILLON DRIVE

WO12-1D
48"X48"

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(WHITE)

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 153	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026309-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW, 2' LINE, 6' GAP)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) (STA. 42+50)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE)

MARKING REMOVAL LINE 4-INCH

KINSMAN BOULEVARD

50' RADIUS

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER STOP LINE

STA. 43+90

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PAVING LIMITS STA. 40+92

PAVING LIMITS STA. 42+47

WO1-6 48"X24"

SPEED LIMIT 25
R2-1
36"X48"

ACCESS TO PIERSTORFF ST
TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL)
72"X24"

ROAD CLOSED
R11-2
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW, 2' LINE, 6' GAP)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE, 2' LINE, 6' GAP)

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 1 ARROW

LANE CLOSED
R11-2L
48"X30"

WO1-6 48"X24"

STOP HERE ON RED
R10-6
24"X36"

TRUCK
M4-4
24"X12"

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

(ON TRAFFIC SIGNAL POLE)

COVER SIGN WITH

R4-8
36"X48"

WO1-3L
48"X48"

15 MPH
WO13-1
36"X36"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

ONLY ONLY ONLY
COVERING SIGNS TYPE II

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

MATCH LINE 'G'

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 154	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026310-s2a

PLOT DATE : 9/22/2022 12:05 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

BARTILLON DRIVE

NO TRUCK ACCESS
TO HWY 51 NORTH

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
(SEE SPECIAL SIGN PLATE DETAIL)
72"X24"

KINSMAN BOULEVARD

MATCH LINE 'G'

END
ROAD WORK

G20-2A
48"X24"

BARTILLON DRIVE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 155	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026310a-s2a

PLOT DATE : 9/22/2022 11:58 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

MARKING REMOVAL LINE 4-INCH

DO NOT PASS
R4-1
24"X30"

R3-2
36"X36"

R3-2
36"X36"

STA. 44+91

PC 49+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

45+00

46+00

47+00

48+00

49+00

CONCRETE

GRASS

ASPHALT

GRAVEL

SIGN

WO1-6
48"X24"

W06-3
48"X48"

SPEED LIMIT 35
R2-1
36"X48"

ONE WAY
R6-2R
24"X30"

R3-2
24"X24"

DO NOT PASS
R4-1
24"X30"

CONCRETE PAVEMENT GAP

ONE WAY
R6-2R
24"X30"

R3-2
24"X24"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 156	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026311-s2a

PLOT DATE : 7/20/2022 10:14 AM

PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

2

2

N

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)

PIERSTORFF STREET

SPEED LIMIT 45
TO REMAIN

NEXT 1/2 MILES
WO57-51
48"X24"

ONE WAY
STOP
TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

USH 51 (N. STOUGHTON ROAD) SB

PC STA. 53+29.36

STA. 53+38

EP STA. 54+92.90

MATCH LINE STA. 50+00

51+00

52+00

53+00

54+00

MATCH LINE 'H'

USH 51 (N. STOUGHTON ROAD) NB

CONCRETE

GRASS

CONC.

ASPHALT

ENVIRONMENTALLY SENSITIVE AREA

NOTE: CONSTRUCT PIERSTORFF STREET INTERSECTION IN HALVES TO MAINTAIN ACCESS TO USH 51 NB AT ALL TIMES.

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

WO4-3R
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

WO1-3R
48"X48"

25 MPH
WO13-1
36"X36"

LANE CLOSED
R11-2L
48"X30"

LEO CIRCLE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 157	E

2

2

N

SPEED LIMIT 45
TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

USH 51 (N. STOUGHTON ROAD) SB

LANE CLOSED
R11-2L
48"X30"

MATCH LINE 'H'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)

LEO CIRCLE

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

USH 51 (N. STOUGHTON ROAD) NB

SPEED LIMIT 55
TO REMAIN

MATCH LINE 'I'

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 158	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026313-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SPEED LIMIT 45

SIGNS COVERED AS PART OF STAGE 1C TO REMAIN COVERED

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

USH 51 (N. STOUGHTON ROAD) SB

540' TAPER

MATCH LINE 'J'

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'I'

END ROAD WORK

G20-2A
48"X24"

ENVIRONMENTALLY SENSITIVE AREA

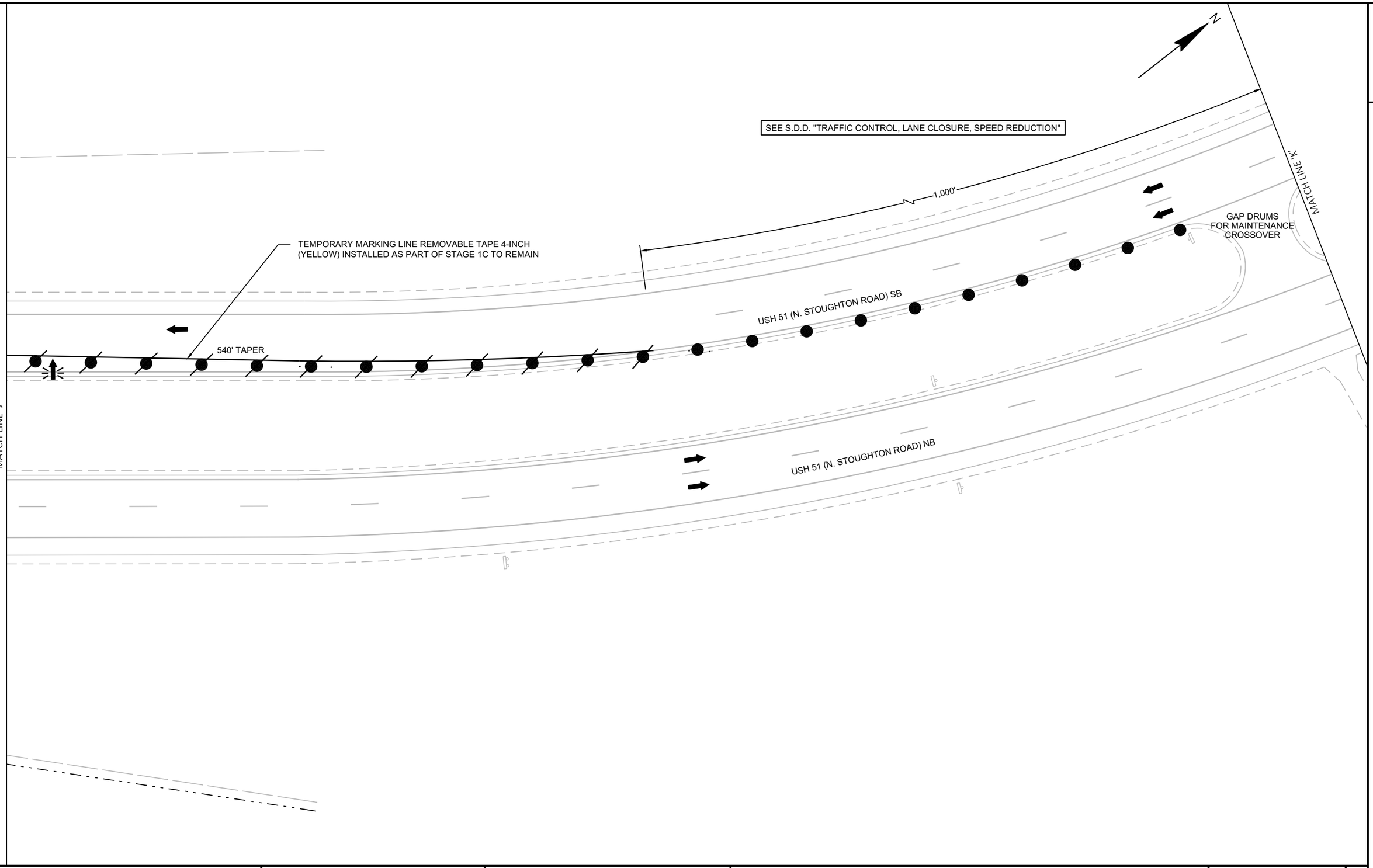
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 159	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026314-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 160	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026315-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

2

N

MATCH LINE 'K'

1,000'

500'

700'

400'

2,600'

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

W04-2L
48"X48"

SPEED
LIMIT
45
R2-1
48"X60"

W03-5
48"X48"

LEFT LANE
CLOSED
1/2 MILE
W20-5SG
48"X48"

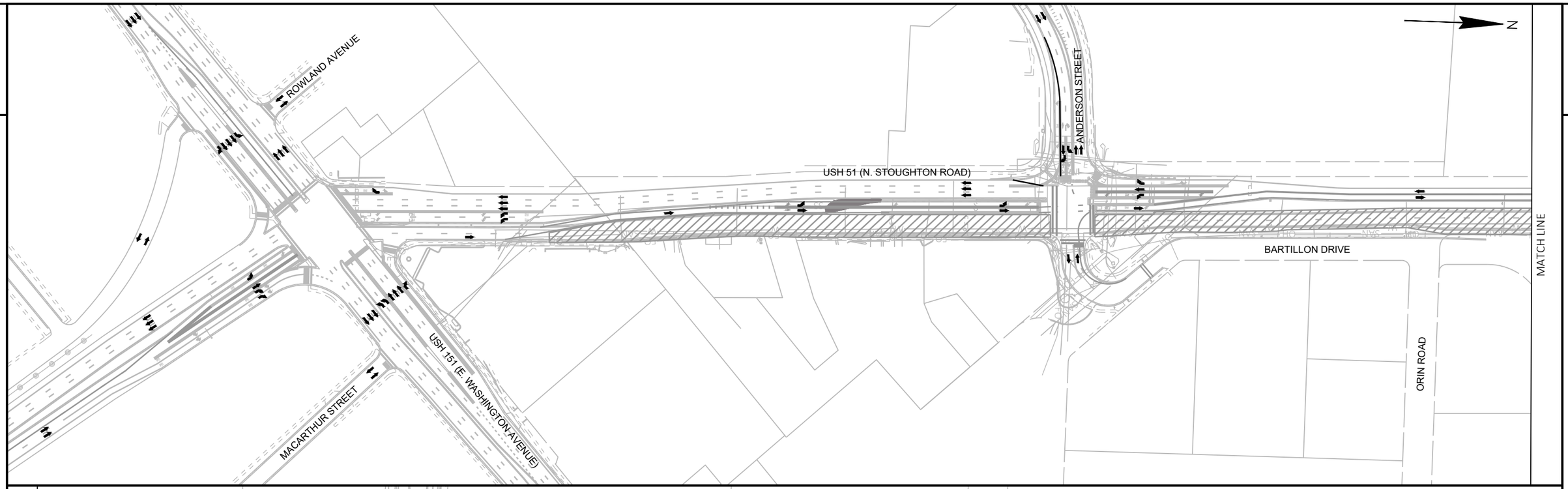
ROAD
WORK
1 MILE
W20.1F
48"X48"

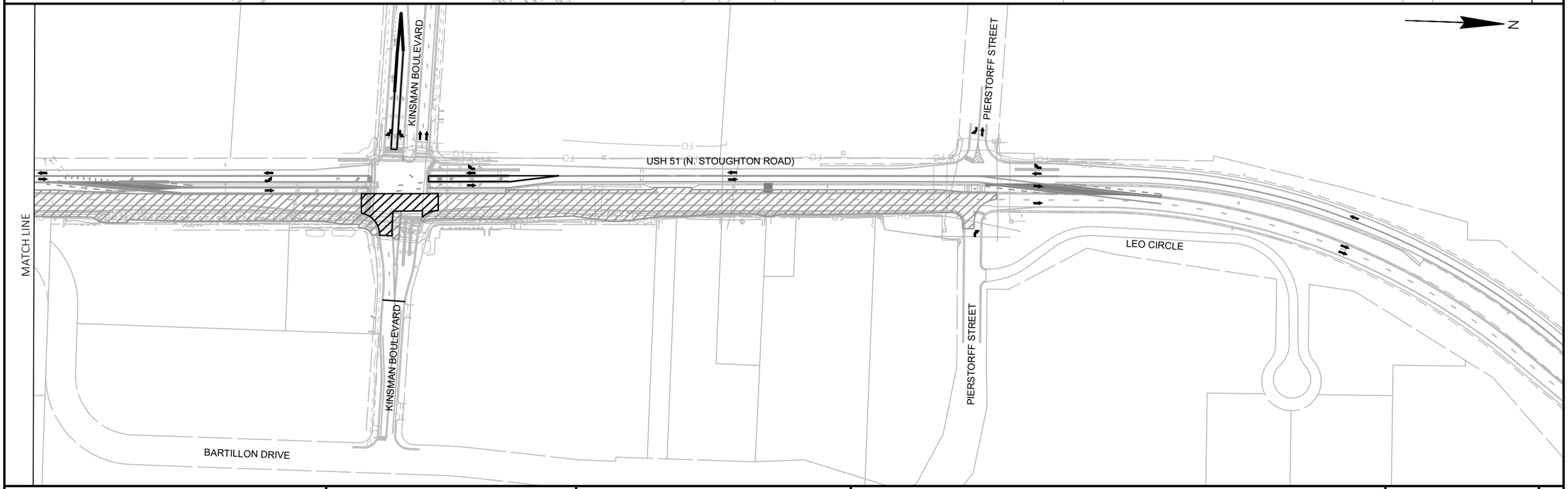
SEE S.D.D. "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2A	SHEET 161	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026301-S2A.DWG
LAYOUT NAME - 026316-s2a

PLOT DATE : 7/20/2022 10:14 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B OVERVIEW	SHEET 162	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026004-s2b
PLOT DATE : 7/16/2022 9:49 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

N

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2B. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2B ARE SHOWN IN BLACK ON THIS PLAN SHEET.

MATCH LINE 'A'

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 1 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 1 ARROW

ANDERSON STREET

LANE CLOSED
R11-2L
48"X30"

TEMPORARY PEDESTRIAN SURFACE

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY BUS STOP PAD

USH 51 (N. STOUGHTON ROAD) SB

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN SURFACE

TEMPORARY CURB RAMP

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY BUS STOP PAD

PI: 21+18.29

PI: 24+45.83

PI: 25+42.03

20+00 21+00 22+00 23+00 24+00 25+00 26

USH 51 (N. STOUGHTON ROAD) NB

ACCESS TO KINSMAN BLVD
TRAFFIC CONTROL SIGNS FIXED MESSAGE
(SEE SPECIAL SIGN PLATE DETAIL)
72"X24"

ACCESS TO PIERSTORFF ST
TRAFFIC CONTROL SIGNS FIXED MESSAGE
(SEE SPECIAL SIGN PLATE DETAIL)
72"X24"

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN SURFACE

N. STOUGHTON SERVICE ROAD

MATCH LINE STA. 26+00

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 163	E

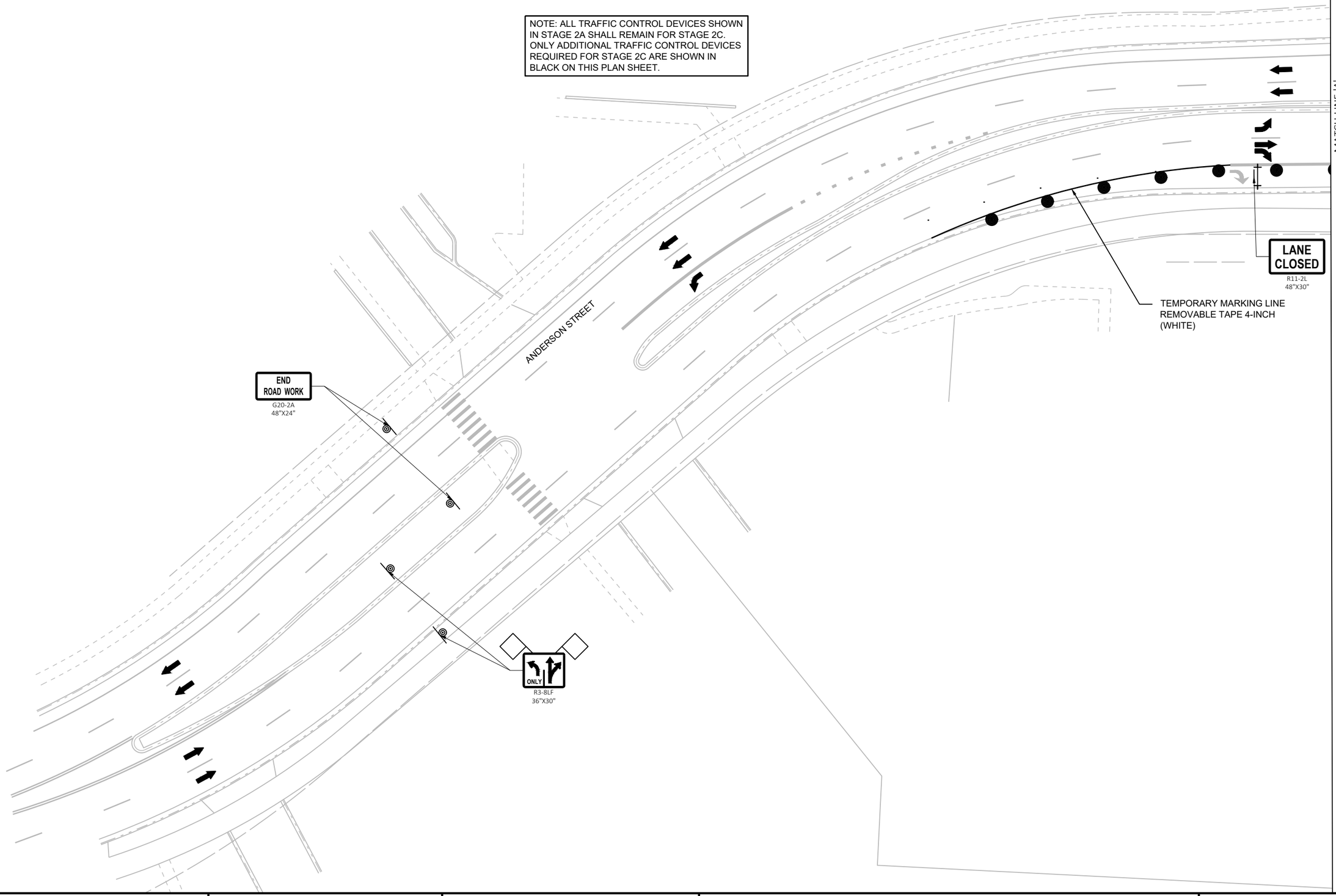
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026407-s2b

PLOT DATE : 9/22/2022 12:17 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 164	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026407a-s2b

PLOT DATE : 7/16/2022 9:51 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2B. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2B ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

ACCESS TO KINSMAN BLVD

TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL) 72"X24"

GRASS

USH 51 (N. STOUGHTON ROAD) SB

ONLY

CONCRETE

CONCRETE

GRASS

CONCRETE

GRASS

PI: 29+10.16

PI: 31+63.97

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

26+00

27+00

28+00

29+00

30+00

31+00

32

USH 51 (N. STOUGHTON ROAD) NB

GRASS

GRASS

GRASS

CONC.

N. STOUGHTON SERVICE ROAD

ASPHALT

ASPHALT

ASPHALT

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 165	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026408-s2b

PLOT DATE : 9/22/2022 12:19 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2B. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2B ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

GRASS

MATCH LINE STA. 32+00

33+00

34+00

35+00

36+00

37+00

38

MATCH LINE STA. 38+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

GRASS

ONLY ONLY

R3-8LA
36"X30"

BARTILLON DRIVE

ORIN ROAD

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 166	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026409-s2b

PLOT DATE : 7/16/2022 9:51 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 'F'

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2B. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2B ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

KINSMAN BOULEVARD

INSTALL ONE WEEK PRIOR TO INTERSECTION CLOSURE
MESSAGE:
NO
LEFT TURNS
XX-XX TO
XX-XX

ACCESS TO KINSMAN BLVD
TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL)
72"X24"

PCMS

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

PI: 42+23.58

38+00 39+00 40+00 41+00 42+00 43+00 44

GRASS CONCRETE ASPHALT ONLY

R3-1
36"X36"

INSTALL ONE WEEK PRIOR TO INTERSECTION CLOSURE
MESSAGE:
NO
RIGHT TURNS
XX-XX TO
XX-XX

UTILIZE TEMPORARY CURB RAMPS, TEMPORARY PEDESTRIAN SURFACES AND TEMPORARY PEDESTRIAN BARRICADE AS NEEDED TO MAINTAIN A CROSSING OF USH 51 AT ALL TIMES

MATCH LINE 'G'

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 167	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026410-s2b
PLOT DATE : 9/22/2022 12:21 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

KINSMAN BOULEVARD

MATCH LINE 'F'

LEFT LANE
MUST
TURN LEFT
R3-7L
30"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

RIGHT LANE
MUST
TURN RIGHT
R3-7R
30"X30"

ONLY ONLY ONLY
COVERING
SIGNS TYPE II

LANE
CLOSED
R11-2L
48"X30"

WO12-1D
48"X48"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 168	E

2

2

N

BARTILLON DRIVE

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED TO THRU TRAFFIC
R11-4
60"X30"

KINSMAN BOULEVARD

MATCH LINE 'G'

END ROAD WORK
G20-2A
48"X24"

BARTILLON DRIVE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 169	E

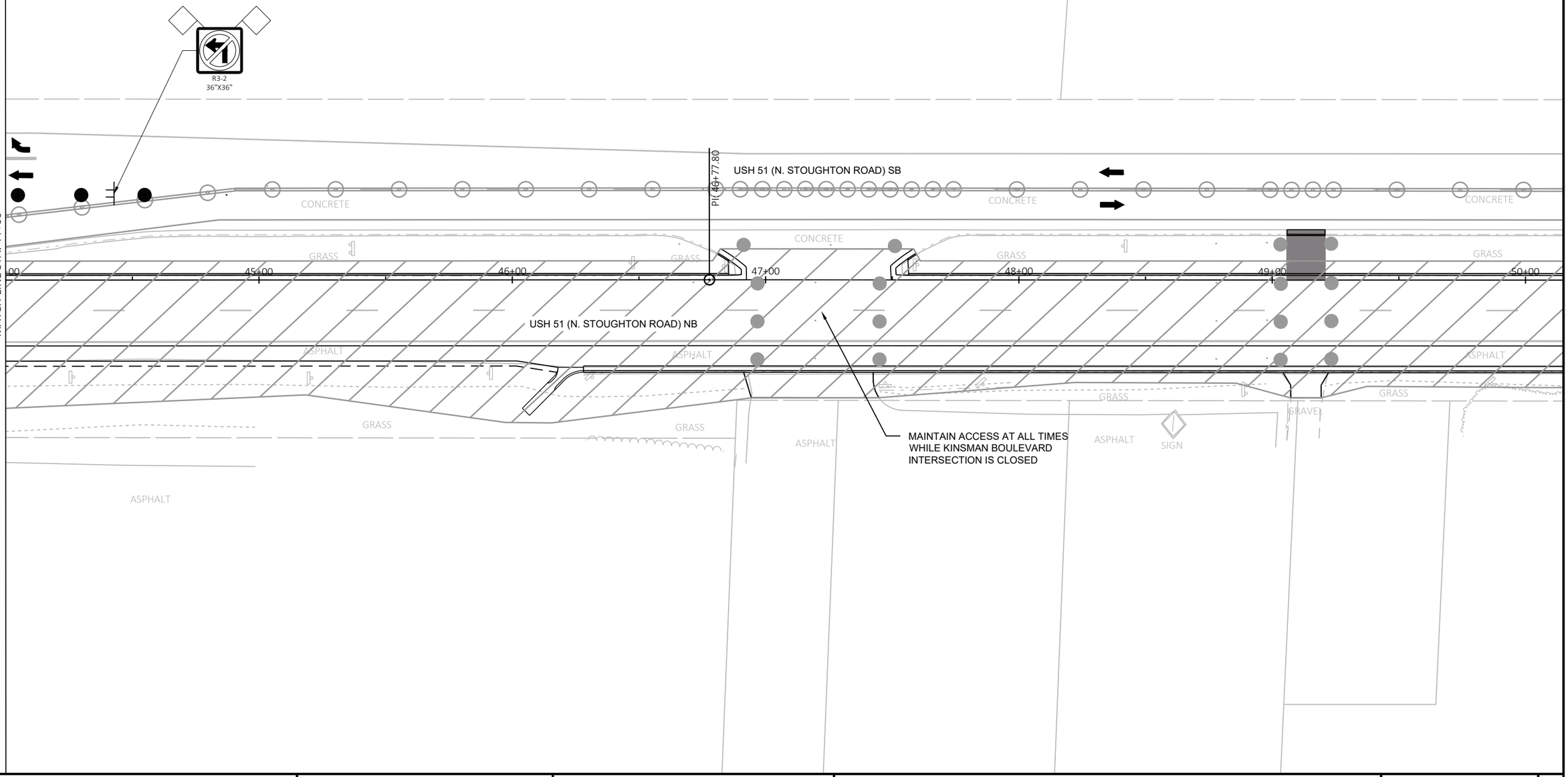
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026401-S2B.DWG
LAYOUT NAME - 026410b-s2b

PLOT DATE : 7/16/2022 9:51 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2B. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2B ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2B	SHEET 170	E

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C OVERVIEW	SHEET 171	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026005-s2c

PLOT DATE : 7/16/2022 9:53 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

2

N

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PI: 17+73.25

PI: 18+24.11

PI: 19+77.19

14+00

15+00

16+00

17+00

18+00

19+00

20+

MATCH LINE STA. 20+00

CONCRETE

ASPHALT

GRASS

ONLY

ONLY

R3-8LA
36"X30"

BEAMGUARD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 172	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026406-s2c

PLOT DATE : 7/16/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

MATCH LINE 'A'

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH INSTALLED AS PART OF STAGE 2B TO REMAIN

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH INSTALLED AS PART OF STAGE 2B TO REMAIN

TEMPORARY BUS STOP PAD INSTALLED AS PART OF STAGE 2B TO REMAIN

TEMPORARY BUS STOP PAD

USH 51 (N. STOUGHTON ROAD) SB

TEMPORARY BUS STOP PAD INSTALLED AS PART OF STAGE 2B TO REMAIN

ROAD CLOSED
R11-2
48"X30"

TEMPORARY BUS STOP PAD

PCMS

USH 51 (N. STOUGHTON ROAD) NB

MAINTAIN DRIVEWAY ACCESS AT ALL TIMES WHILE SERVICE ROAD INTERSECTION IS CLOSED

DO NOT ENTER
R5-1
30"X30"

ACCESS TO LOCAL BUSINESSES
R10-71R
72"X36"

R3-1
36"X36"

ROAD CLOSED
R11-2
48"X30"

DO NOT ENTER
R5-1
30"X30"

ACCESS TO SERVICE RD
TRAFFIC CONTROL SIGNS FIXED MESSAGE
(SEE SPECIAL SIGN PLATE DETAIL)
60"X24"

INSTALL ONE WEEK PRIOR TO INTERSECTION CLOSURE
MESSAGE:
NO
RIGHT TURNS
XX-XX TO
XX-XX

TEMPORARY PEDESTRIAN DEVICES INSTALLED AS PART OF STAGE 2B TO REMAIN

MAINTAIN ONE CROSSING AT ALL TIMES

N STOUGHTON SERVICE ROAD

ROAD CLOSED
R11-2
48"X30"

ANDERSON STREET

Pl: 21+18.29

Pl: 24+45.83

Pl: 25+42.03

21+00

22+00

23+00

24+00

25+00

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 173	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026407-s2c

PLOT DATE : 9/22/2022 12:33 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

MATCH LINE 'A'

LEFT LANE MUST TURN LEFT
R3-7L
30"X30"

ANDERSON STREET

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) INSTALLED AS PART OF STAGE 2B TO REMAIN

END ROAD WORK
G20-2A
48"X24"

RIGHT LANE MUST TURN RIGHT
R3-7R
30"X30"

ONLY ONLY
R3-8LF
36"X30"

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 174	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026407a-s2c

PLOT DATE : 7/16/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

INSTALL ONE WEEK PRIOR TO INTERSECTION CLOSURE
MESSAGE:
NO
LEFT TURNS
XX-XX TO
XX-XX

PCMS

R3-2
36"X36"

LANE CLOSED
R11-2L
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

ONLY

CONCRETE

GRASS

PI: 29+10.16

PI: 31+63.97

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

26+00

27+00

28+00

29+00

30+00

31+00

32

USH 51 (N. STOUGHTON ROAD) NB

CONC.

N. STOUGHTON
SERVICE ROAD

ASPHALT

END
ROAD WORK
G20-2A
48"X24"

ROAD CLOSED
TO
THRU TRAFFIC
R11-4
60"X30"

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 175	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026408-s2c

PLOT DATE : 7/16/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

USH 51 (N. STOUGHTON ROAD) SB

CONCRETE

GRASS

33+00

34+00

35+00

36+00

37+00

38

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

USH 51 (N. STOUGHTON ROAD) NB

ASPHALT

GRASS

BARTILLON DRIVE

ORIN ROAD

ROAD CLOSED AHEAD

W10-2A 48"X48"

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 176	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026409-s2c

PLOT DATE : 7/16/2022 9:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

KINSMAN BOULEVARD

PI: 42+23.58

38+00 39+00 40+00 41+00 42+00 43+00 44

CONCRETE GRASS ASPHALT ONLY

ACCESS TO SERVICE RD

TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL) 60"X24"

ACCESS TO PIERSTORFF ST

TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL) 72"X24"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 2 ARROW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

LANE CLOSED

R11-2L 48"X30"

WO1-6 48"X24"

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 177	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026410-s2c
PLOT DATE : 9/22/2022 12:36 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

NOTE: ALL TRAFFIC CONTROL DEVICES SHOWN IN STAGE 2A SHALL REMAIN FOR STAGE 2C. ONLY ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR STAGE 2C ARE SHOWN IN BLACK ON THIS PLAN SHEET.

N

ACCESS TO SERVICE RD

TRAFFIC CONTROL SIGNS FIXED MESSAGE (SEE SPECIAL SIGN PLATE DETAIL) 60"X24"

MATCH LINE STA. 44+00

PI 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

CONCRETE

GRASS

ASPHALT

GRAVEL

SIGN

45+00 46+00 47+00 48+00 49+00 50+00

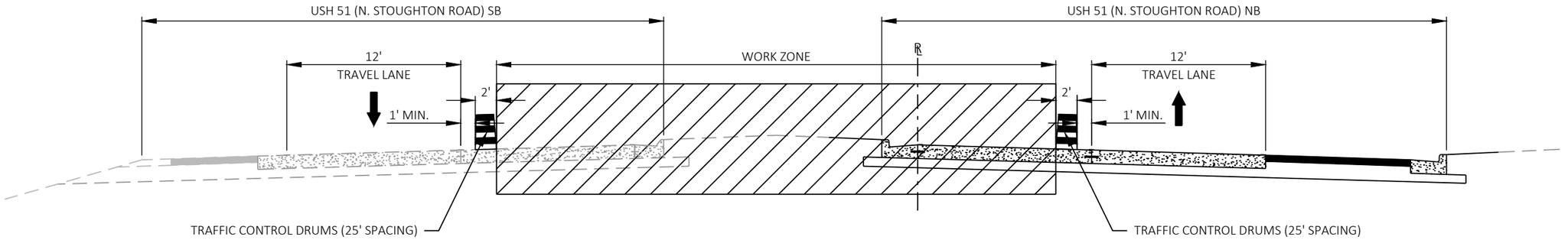
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 2C	SHEET 178	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026402-S2C.DWG
LAYOUT NAME - 026411-s2b

PLOT DATE : 9/22/2022 12:38 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



TRAFFIC CONTROL TYPICAL SECTION - STAGE 3

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3 TYPICAL SECTIONS	SHEET 179	E

2

ROWLAND AVENUE

USH 51 (N. STOUGHTON ROAD)

ANDERSON STREET

N

BARTILLON DRIVE

MATCH LINE

2

MACARTHUR STREET

USH 151 (E. WASHINGTON AVENUE)

ORIN ROAD

KINSMAN BOULEVARD

PIERSTORFF STREET

N

STAGE 3A

USH 51 (N. STOUGHTON ROAD)

MATCH LINE

LEO CIRCLE

KINSMAN BOULEVARD

PIERSTORFF STREET

BARTILLON DRIVE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3 OVERVIEW	SHEET 180	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026003-s3

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

ROWLAND AVENUE

USH 51 (N. STOUGHTON ROAD)

ANDERSON STREET

N

BARTILLON DRIVE

MATCH LINE

2

USH 151 (E. WASHINGTON AVENUE)

MACARTHUR STREET

ORIN ROAD

KINSMAN BOULEVARD

PIERSTORFF STREET

N

USH 51 (N. STOUGHTON ROAD)

MATCH LINE

LEO CIRCLE

KINSMAN BOULEVARD

PIERSTORFF STREET

BARTILLON DRIVE

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3B OVERVIEW	SHEET 181	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026000-STAGING OVERVIEWS.DWG
LAYOUT NAME - 026003-s3b

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

2

N

N. STOUGHTON SERVICE ROAD

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'A'

500'

500'

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-5SA
48"X48"

W4N-2L
48"X48"

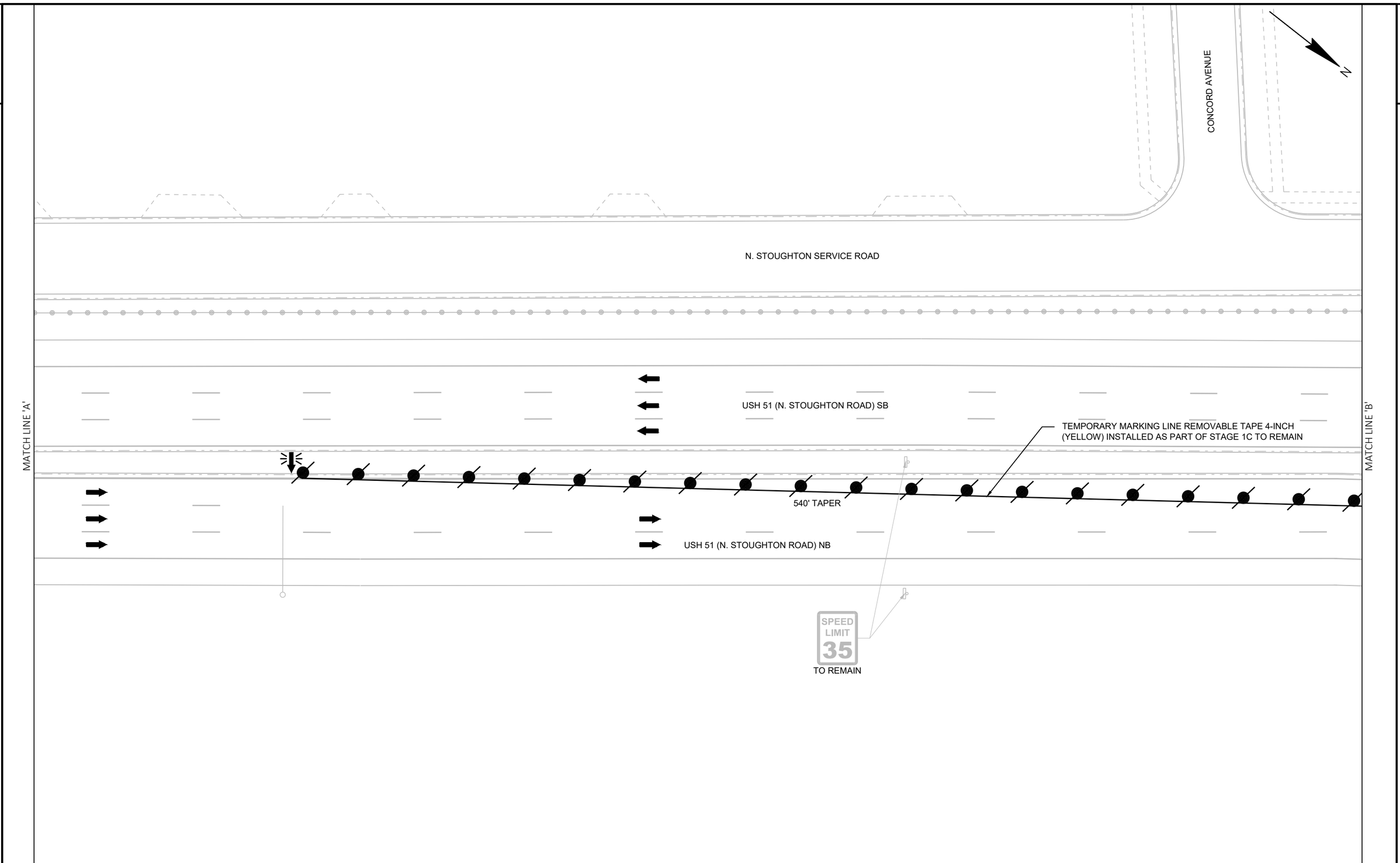
SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 182	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026201-s3

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 183	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026202-s3

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PRAIRIE AVENUE

N

N. STOUGHTON SERVICE ROAD

MATCH LINE 'B'

USH 51 (N. STOUGHTON ROAD) SB

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

540' TAPER

USH 51 (N. STOUGHTON ROAD) NB

LANE CLOSED
R11-2L
48"X30"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

MATCH LINE 'C'

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 184	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026203-s3

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

MATCH LINE 'D'

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

GRASS

ASPHALT

GRASS

GRASS

STATE OF WISCONSIN DEPT OF TRANSPORTATION
1506 N STOUGHTON RD

SCHOEPP LAND HOLDING COMPANY LLC
1518 N. STOUGHTON RD

END
ROAD WORK
G20-2A
48"X24"

ONLY

USH 51 (N. STOUGHTON ROAD) SB

BP: 9+50.00

PI: 13+33.56

ONLY

ONLY

CONCRETE

10+00

11+00

CONCRETE

12+00

13+00

CONCRETE

14

MATCH LINE STA. 14+00

WO1-6
48"X24"

USH 51 (N. STOUGHTON ROAD) NB

GRASS

CONCRETE

LANDSCAPING

ASPHALT

GRASS

SPEED
LIMIT
35
TO REMAIN

GRASS

BLOCK PLANTER
& SIGN

ASPHALT

USH 151 (E. WASHINGTON AVENUE)

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

ONLY

MATCH LINE 'C'

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE) INSTALLED AS PART OF STAGE 1C TO REMAIN

LANE
CLOSED
R11-2L
48"X30"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 185	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026204-s3

PLOT DATE : 7/16/2022 9:59 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

(OVERHEAD)

ONLY

SIGN COVERED AS
PART OF STAGE 1C
TO REMAIN COVERED

(OVERHEAD)

ONLY

TO REMAIN

LANE
CLOSED

R11-2L
48"X30"

ROWLAND AVENUE

USH 151 (E. WASHINGTON AVENUE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

MATCH LINE 'D'

N. STOUGHTON SERVICE ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 186	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026205-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

R3-2
36"X36"

LANE
CLOSED
R11-2L
48"X30"

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

PC: 14+28.54

PT: 15+27.33

PC: 15+58.02

PT: 16+04.60

PT: 17+73.25

PT: 18+24.11

PT: 19+07.19

15+00

16+00

17+00

18+00

19+00

CONCRETE

ASPHALT

GRASS

(ON STREET
LIGHT POLE)

SPEED
LIMIT
35
TO REMAIN

ONE
WAY
R6-2R
24"X30"

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

BEAMGUARD

Anderson St
Dane Co Airport
Madison College
Service Rd

USE EXISTING SIGN
FROM STA. 20+15

UNPUBLISHED
1609 N STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 187	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026206-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 20+00

MATCH LINE STA. 26+00

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

ANDERSON STREET

N STOUGHTON SERVICE ROAD

PI: 21+43.29

PI: 24+45.83

PI: 25+42.03

20+00

21+00

22+00

23+00

24+00

25+00

26

50' OPENING

STA. 20+48

STA. 20+98

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

KWIK TRIP INC
1625 N STOUGHTON RD

R3-2
36"X36"

SPEED LIMIT 35
R2-1
36"X48"

SPEED LIMIT 35
TO REMAIN

WO1-6
48"X24"

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WO12-1D
48"X48"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

ASPHALT
CONCRETE
GRASS
BOULDER WALL

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 188	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026207-s3

PLOT DATE : 7/28/2022 2:16 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGN COVERED AS
PART OF STAGE 1C
TO REMAIN COVERED

LANE CLOSED
R11-2L
48"X30"

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW)

BEGIN LEFT TURN LANE
SIGN COVERED AS
PART OF STAGE 1C
TO REMAIN COVERED

BEGIN LEFT TURN LANE
R3-20L
24"X36"

COUNTY TRUAX AIR PARK
3550 ANDERSON ST

STA. 28+89

STA. 29+10.16

STA. 29+89

PI: 31+63.97

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

N. STOUGHTON
SERVICE ROAD

ORIN ROAD

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

CONCRETE

GRASS

ASPHALT

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 189	E

2

2

N

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT 35
TO REMAIN

MADISON AREA TECHNICAL COLLEGE
1849 WRIGHT ST

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 32+00

MATCH LINE STA. 38+00

CONCRETE

GRASS

ASPHALT

33+00

34+00

35+00

36+00

37+00

STA. 37+28

STA. 37+78

SAN

HO

GUY

FO

W

BARTILLON DRIVE

SPEED LIMIT 45
TO REMAIN

LANE CLOSED
R11-2L
48"X30"

Kinsman Blvd
USE EXISTING SIGN
FROM STA. 35+36

BEGIN LEFT TURN LANE
R3-20L
24"X36"

DANLILY LLC
1904 BARTILLION DR

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

ORIN ROAD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 190	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026209-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 'E'

N

KINSMAN BOULEVARD

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER "ONLY"

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH TO COVER TYPE 1 ARROW

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

LANE CLOSED
R11-2L
48"X30"

JOMA INDUSTRIES INC
1925 WRIGHT ST

USH 51 (N. STOUGHTON ROAD) SB

PI 42+23.58

STA. 43+90

MATCH LINE STA. 38+00

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

39+00

40+00

41+00

42+00

43+00

44

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 44+00

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

WO1-6
48"X24"

KINSMAN BOULEVARD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3A	SHEET 191	E

2

2

N

END
ROAD WORK
G20-2A
48"X24"

KINSMAN BOULEVARD

MATCH LINE 'E'

ONLY
R3-8ER
36"X30"

ONLY ONLY ONLY
COVERING
SIGNS TYPE II

LANE
CLOSED
R11-2L
48"X30"

TEMPORARY MARKING REMOVABLE
MASK OUT TAPE 10-INCH TO COVER
TYPE 1 ARROW

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3A	SHEET 192	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026210a-s3a

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE 'E'

N

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH INSTALLED AS PART OF STAGE 3A TO REMAIN

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH INSTALLED AS PART OF STAGE 3A TO REMAIN

KINSMAN BOULEVARD

WO1-6
48"X24"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

LANE CLOSED
R11-2L
48"X30"

JOMA INDUSTRIES INC
1925 WRIGHT ST

WO1-6
48"X24"

USH 51 (N. STOUGHTON ROAD) SB

PI 42+23.58

STA. 43+90

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

39+00

40+00

41+00

42+00

43+00

USH 51 (N. STOUGHTON ROAD) NB

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE)

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

KINSMAN BOULEVARD

WO1-6
48"X24"

2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3B	SHEET 193	E

2

2

N

END
ROAD WORK
G20-2A
48"X24"

KINSMAN BOULEVARD

MATCH LINE 'E'

BEGIN TAPER AFTER
MEDIAN OPENING

TEMPORARY MARKING REMOVABLE
MASK OUT TAPE 6-INCH

125' TAPER

GAP DRUMS TO MAINTAIN
DRIVEWAY ACCESS

200'

200'

RIGHT LANE
CLOSED
AHEAD
W20-5A
48"X48"

W04-2R
48"X48"

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH
(WHITE)

LANE
CLOSED
R11-2L
48"X30"

ONLY
R3-8LF
36"X30"

ONLY ONLY ONLY
COVERING
SIGNS TYPE II

LANE
CLOSED
R11-2L
48"X30"

TEMPORARY MARKING REMOVABLE
MASK OUT TAPE 10-INCH INSTALLED
AS PART OF STAGE 3A TO REMAIN

SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE
CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3B	SHEET 194	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026210a-s3b

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

WO12-1D
48"X48"

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH
(WHITE)

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW)

BEGIN LEFT TURN LANE
R3-20L
24"X36"

LANE CLOSED
R11-2L
48"X30"

R3-2
36"X36"

STA. 44+68

STA. 45+48

PI 46+77.80

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE STA. 44+00

MATCH LINE STA. 50+00

45+00

46+00

47+00

48+00

49+00

KINSMEN INVESTORS LLC
3698 KINSMAN BLVD

CONCRETE

GRASS

ASPHALT

GRAVEL

ONE WAY
R6-2R
24"X30"

LANE CLOSED
R11-2L
48"X30"

SIGN

SPEED LIMIT 45
TO REMAIN

HAROLD E NEWTON TRUST 3700
KINSMAN BLVD

HECTOR ADAME LLC
2115 N STOUGHTON RD

HECTOR ADAME LLC 2123 N
STOUGHTON RD

UNPUBLISHED
2125 STOUGTHON RD

PETER GARTMANN
2129 STOUGHTON RD

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 195	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026211-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

MATCH LINE STA. 50+00

MATCH LINE 'F'

PIERSTORFF STREET

SPEED LIMIT 45
TO REMAIN

STATE OF WI DEPT OF TRANS
EXPENDITURE ACCTNG RM 851
3635 PIERSTORFF ST

LANE CLOSED
R11-2L
48"X30"

ONE WAY
STOP
TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH
(YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

PI 53+29.36

EP 54+92.90

50+00
51+00
52+00
53+00
54+00

CONCRETE
GRASS
CONC. GRASS CONC.
ASPHALT

ENVIRONMENTALLY SENSITIVE AREA

LANE CLOSED
R11-2L
48"X30"

DLZ2X LLC
2149 STOUGHTON RD

DLZ2X LLC
2203 LEO CIR
TOWN OF BURKE

ONE WAY
TO REMAIN

ONE WAY
STOP
TO REMAIN

PIERSTORFF STREET

LEO CIRCLE

ENVIRONMENTALLY SENSITIVE AREA

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 196	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026212-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SPEED LIMIT 45 TO REMAIN

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

LANE CLOSED
R11-2L
48"X30"

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

LEO CIRCLE

SPEED LIMIT 55 TO REMAIN

ENVIRONMENTALLY SENSITIVE AREA

MATCH LINE 'F'

MATCH LINE 'G'

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 197	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026213-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

SPEED LIMIT 45

SIGNS COVERED AS PART OF STAGE 1C TO REMAIN COVERED

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) INSTALLED AS PART OF STAGE 1C TO REMAIN

USH 51 (N. STOUGHTON ROAD) SB

540' TAPER

MATCH LINE 'H'

USH 51 (N. STOUGHTON ROAD) NB

MATCH LINE 'G'

END ROAD WORK

G20-2A
48"X24"

ENVIRONMENTALLY SENSITIVE AREA

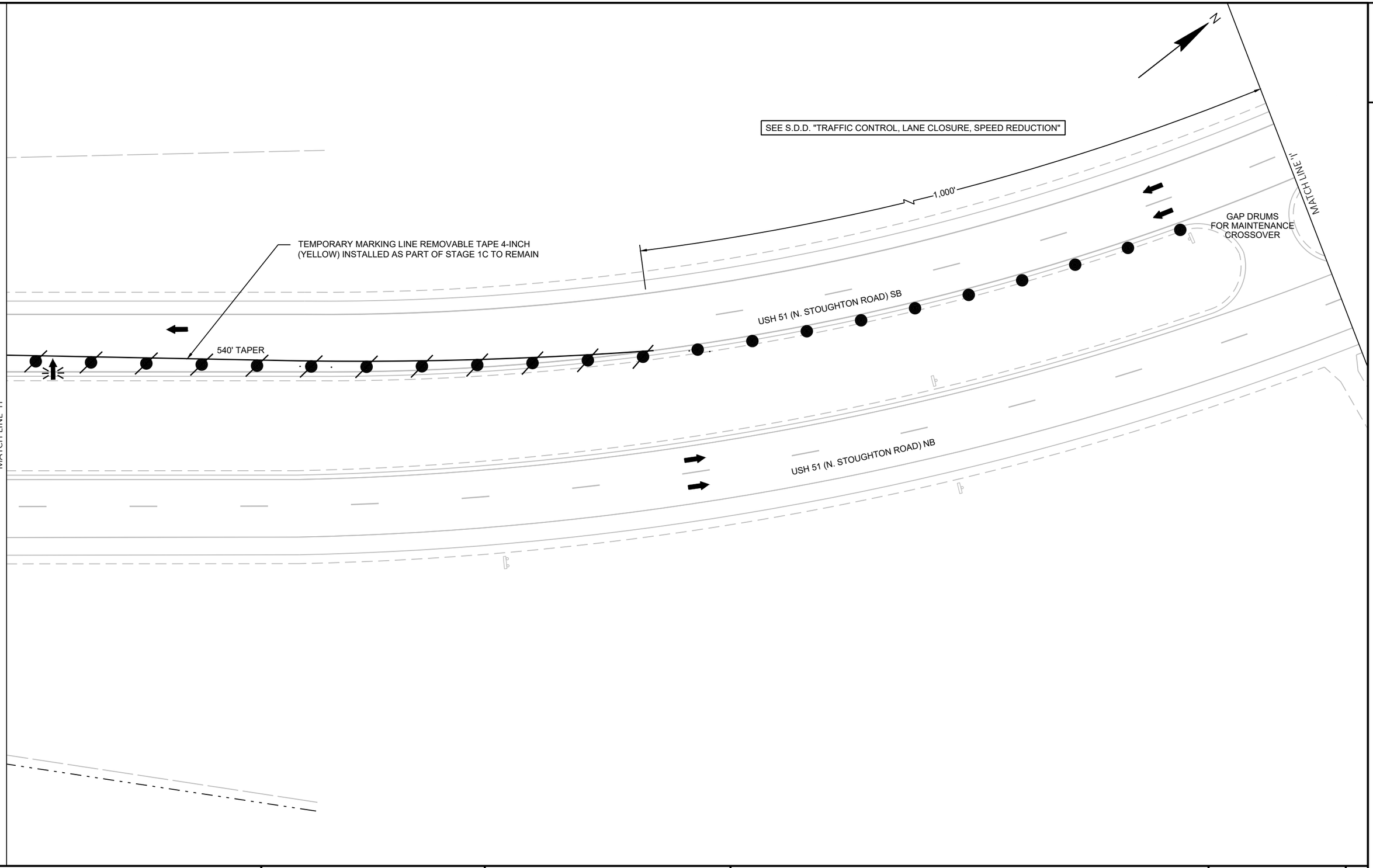
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 198	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026214-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 199	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026215-s3

PLOT DATE : 7/16/2022 10:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE 'I'

1,000'

500'

700'

400'

2,600'

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

W04-2L
48"X48"

SPEED
LIMIT
45
R2-1
48"X60"

W03-5
48"X48"

LEFT LANE
CLOSED
1/2 MILE
W20-5SG
48"X48"

ROAD
WORK
1 MILE
W20.1E
48"X48"

SEE S.D.D. "TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION"

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	TRAFFIC CONTROL: STAGE 3	SHEET 200	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\026501-S3.DWG
LAYOUT NAME - 026216-s3
PLOT DATE : 7/16/2022 10:00 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN CURB RAMP
- PEDESTRIAN DETOUR ROUTE
- B — BUS STOP LOCATION

PEDESTRIAN ACCESS NOTES

1. MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 6-FT WIDE DESIRABLE (4-FT MINIMUM) ON EITHER THE EXISTING SIDEWALK OR A TEMPORARY SURFACE TO ALL BUSINESS AND RESIDENTIAL ENTRANCES ALONG USH 51 THROUGH THE WORK ZONE AS LONG AS POSSIBLE. IF A 4-FT WIDE PEDESTRIAN ACCESS IS NECESSARY, INSTALL PASSING ZONES AS SHOWN ON S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION."

2. PROVIDE A SINGLE TEMPORARY CROSSWALK ON N. STOUGHTON SERVICE RD TO ALLOW PEDESTRIAN PASSAGE THROUGH THE USH 51 WORK ZONES AT ALL TIMES.

3. SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL INFORMATION.

2

1 SIDEWALK CLOSED — R9-9 24"X12"

2 SIDEWALK CLOSED AHEAD — R9-9A 30"X18"

3 SIDEWALK CLOSED CROSS HERE — R9-11AR 24"X12"

4 SIDEWALK CLOSED CROSS HERE — R9-11AL 24"X12"

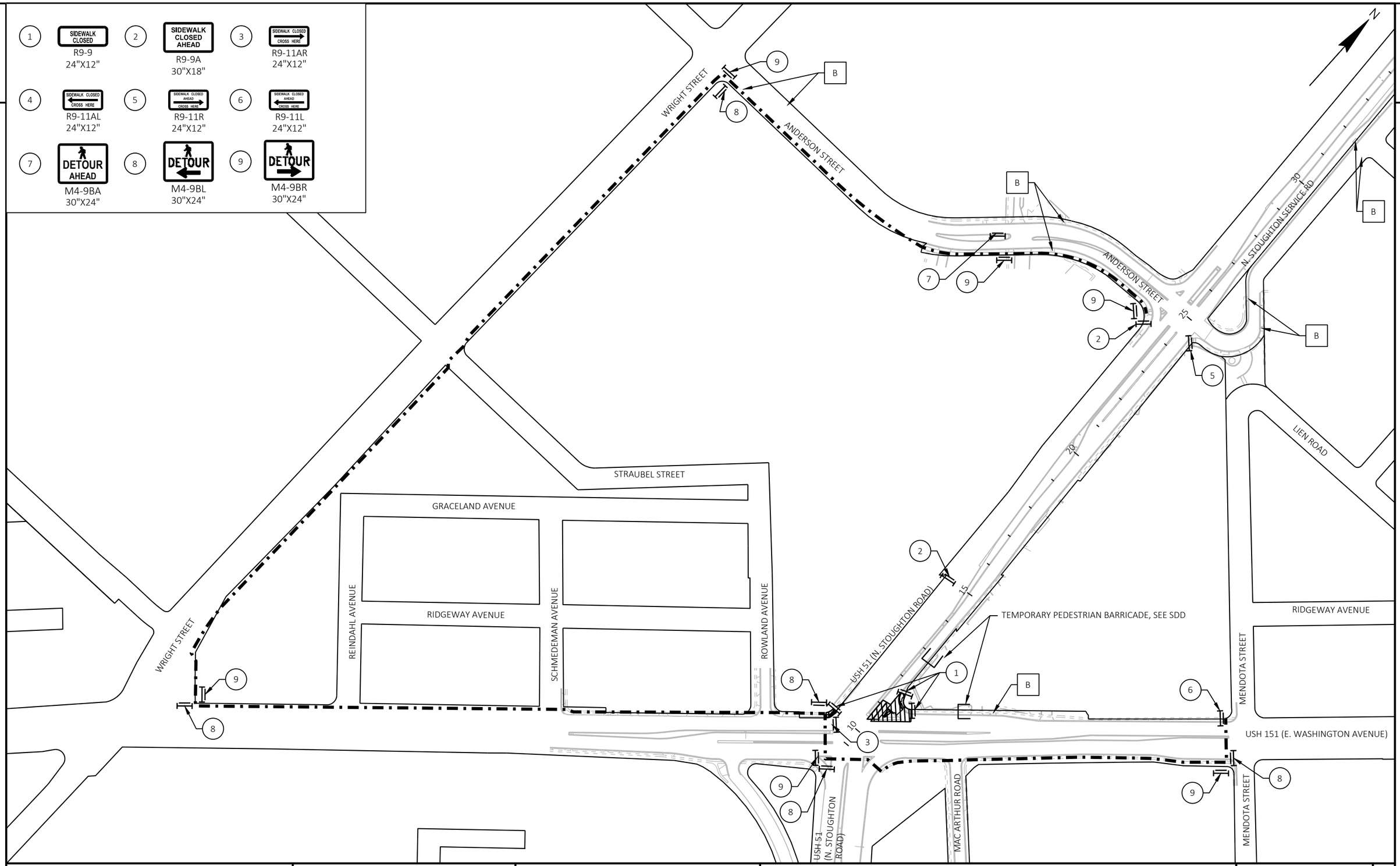
5 SIDEWALK CLOSED AHEAD CROSS HERE — R9-11R 24"X12"

6 SIDEWALK CLOSED AHEAD CROSS HERE — R9-11L 24"X12"

7 DETOUR AHEAD — M4-9BA 30"X24"

8 DETOUR — M4-9BL 30"X24"

9 DETOUR — M4-9BR 30"X24"



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: BASE PATCHING PEDESTRIAN DETOUR PLAN	SHEET 202	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027001-DT-PEDS.DWG
LAYOUT NAME - 027002-dt-BasePatch

PLOT DATE : 7/27/2022 3:14 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN: 250 FT

2

1 — SIDEWALK CLOSED — R9-9 24"X12"

2 — SIDEWALK CLOSED AHEAD — R9-9A 30"X18"

3 — SIDEWALK CLOSED CROSS HERE — R9-11AR 24"X12"

4 — SIDEWALK CLOSED CROSS HERE — R9-11AL 24"X12"

5 — SIDEWALK CLOSED AHEAD CROSS HERE — R9-11R 24"X12"

6 — SIDEWALK CLOSED AHEAD CROSS HERE — R9-11L 24"X12"

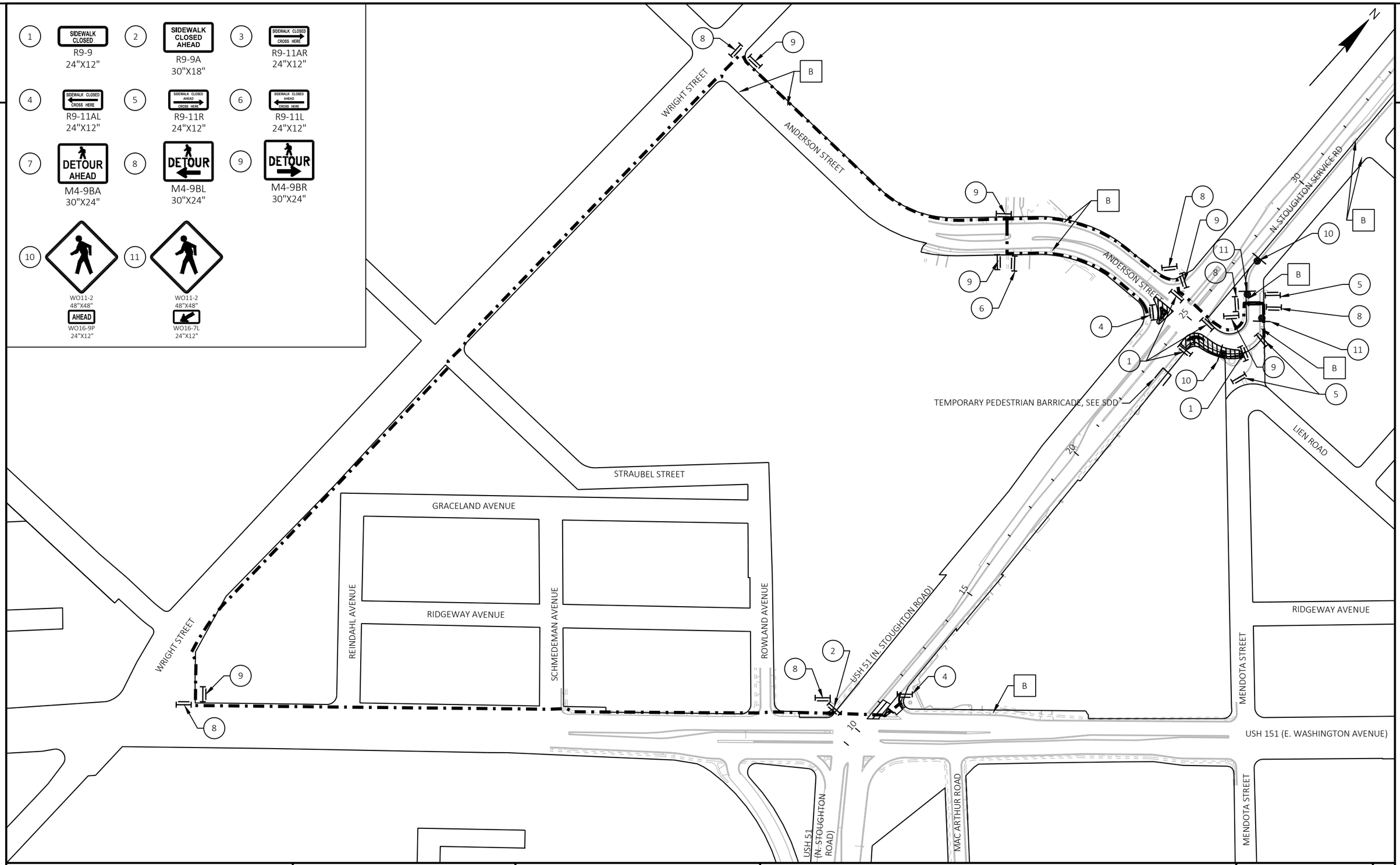
7 — DETOUR AHEAD — M4-9BA 30"X24"

8 — DETOUR — M4-9BL 30"X24"

9 — DETOUR — M4-9BR 30"X24"

10 — WO11-2 48"X48" — AHEAD — WO16-9P 24"X12"

11 — WO11-2 48"X48" — WO16-7L 24"X12"



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGE 1A PEDESTRIAN DETOUR PLAN	SHEET 203	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027001-DT-PEDS.DWG
LAYOUT NAME - 027003-dt-S1A

PLOT DATE : 7/27/2022 3:14 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN: 250 FT

WISDOT/CADDS SHEET 42

2

1 SIDEWALK CLOSED — R9-9, 24"X12"

2 SIDEWALK CLOSED AHEAD — R9-9A, 30"X18"

3 SIDEWALK CLOSED CROSS HERE — R9-11AR, 24"X12"

4 SIDEWALK CLOSED CROSS HERE — R9-11AL, 24"X12"

5 SIDEWALK CLOSED AHEAD CROSS HERE — R9-11R, 24"X12"

6 SIDEWALK CLOSED AHEAD CROSS HERE — R9-11L, 24"X12"

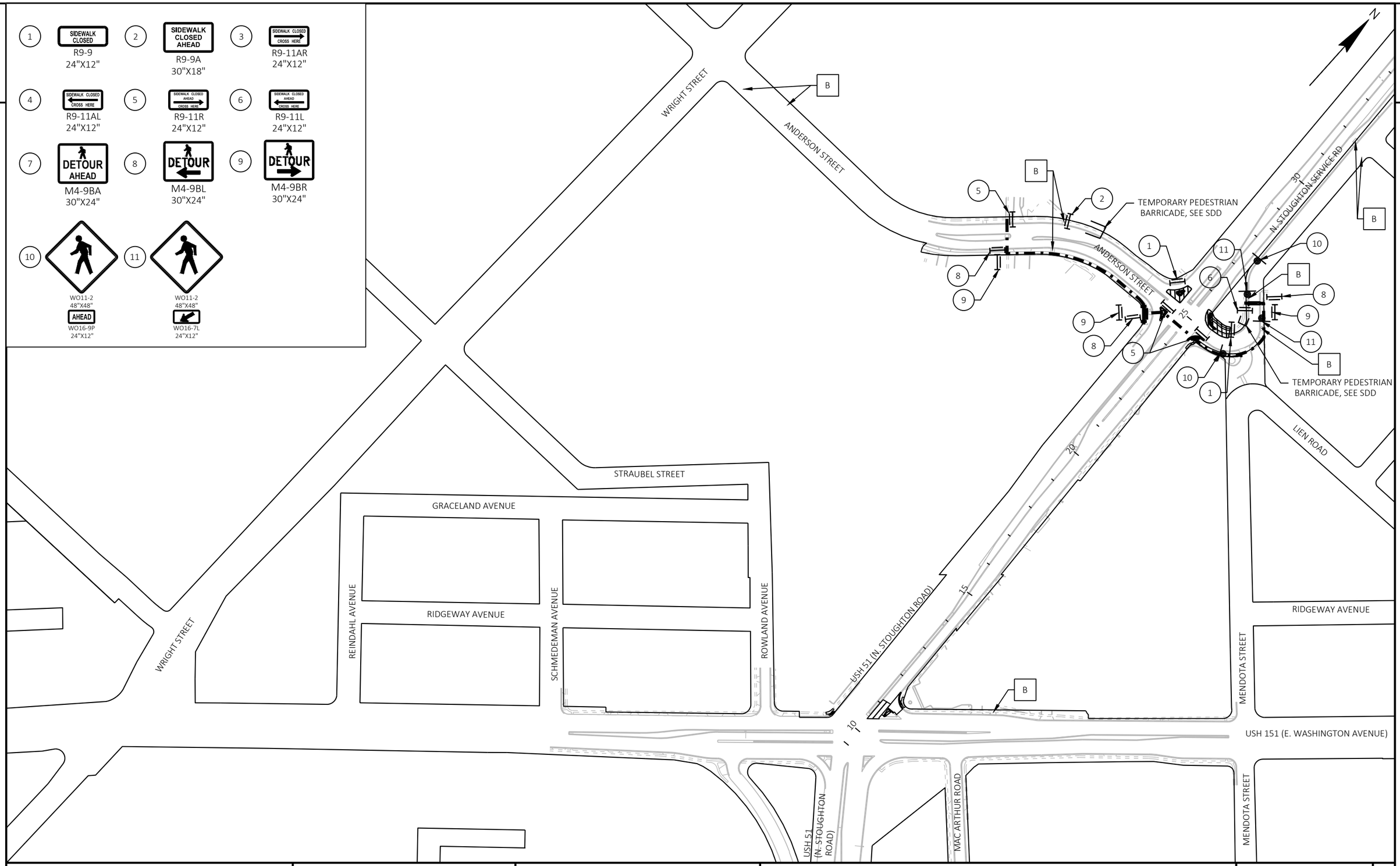
7 DETOUR AHEAD — M4-9BA, 30"X24"

8 DETOUR — M4-9BL, 30"X24"

9 DETOUR — M4-9BR, 30"X24"

10 WO11-2, 48"X48" / AHEAD WO16-9P, 24"X12"

11 WO11-2, 48"X48" / WO16-7L, 24"X12"

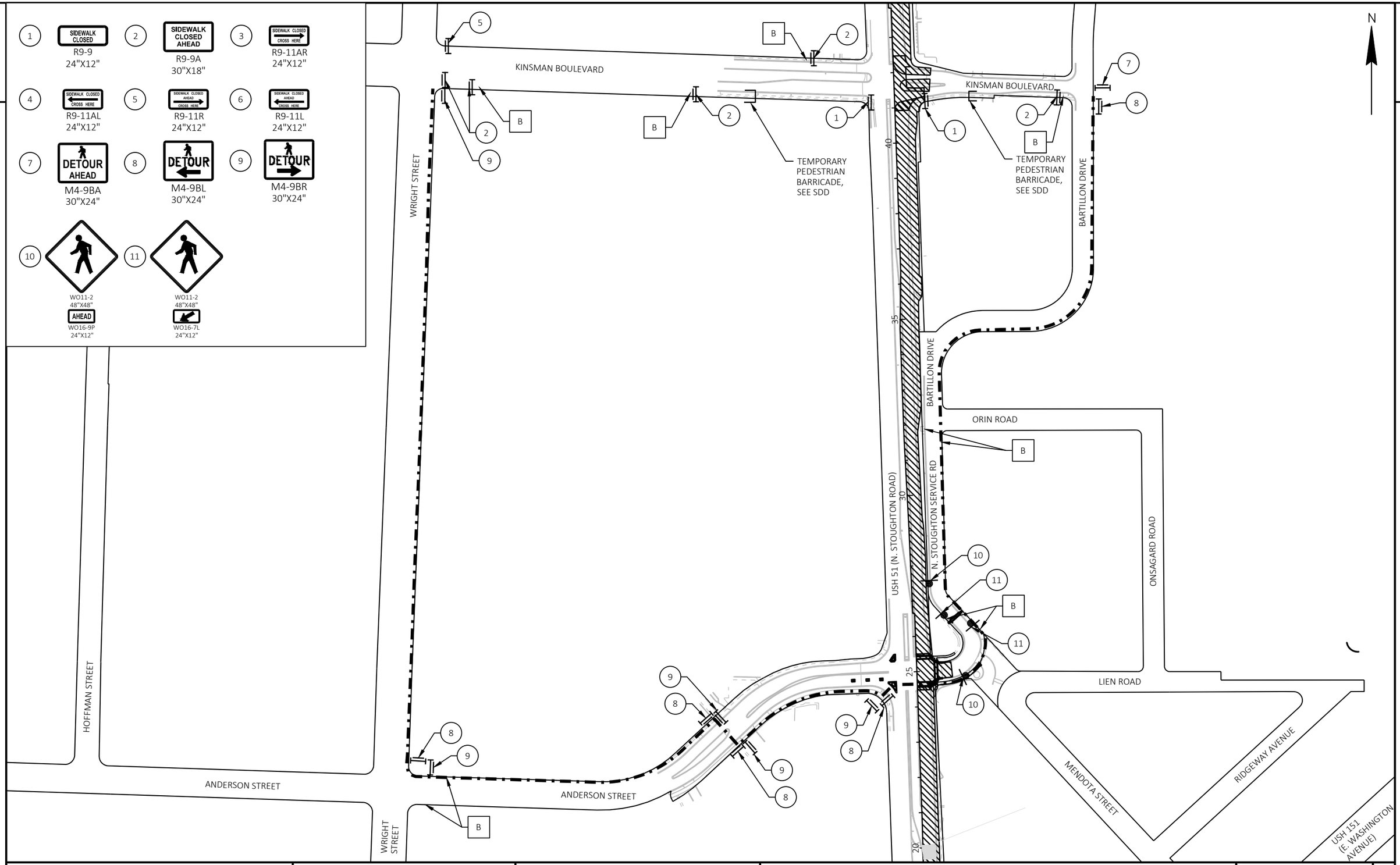


PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGE 1B PEDESTRIAN DETOUR PLAN	SHEET 204	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027001-DT-PEDS.DWG
LAYOUT NAME - 027004-dt-S1B

PLOT DATE : 7/27/2022 3:14 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN: 250 FT

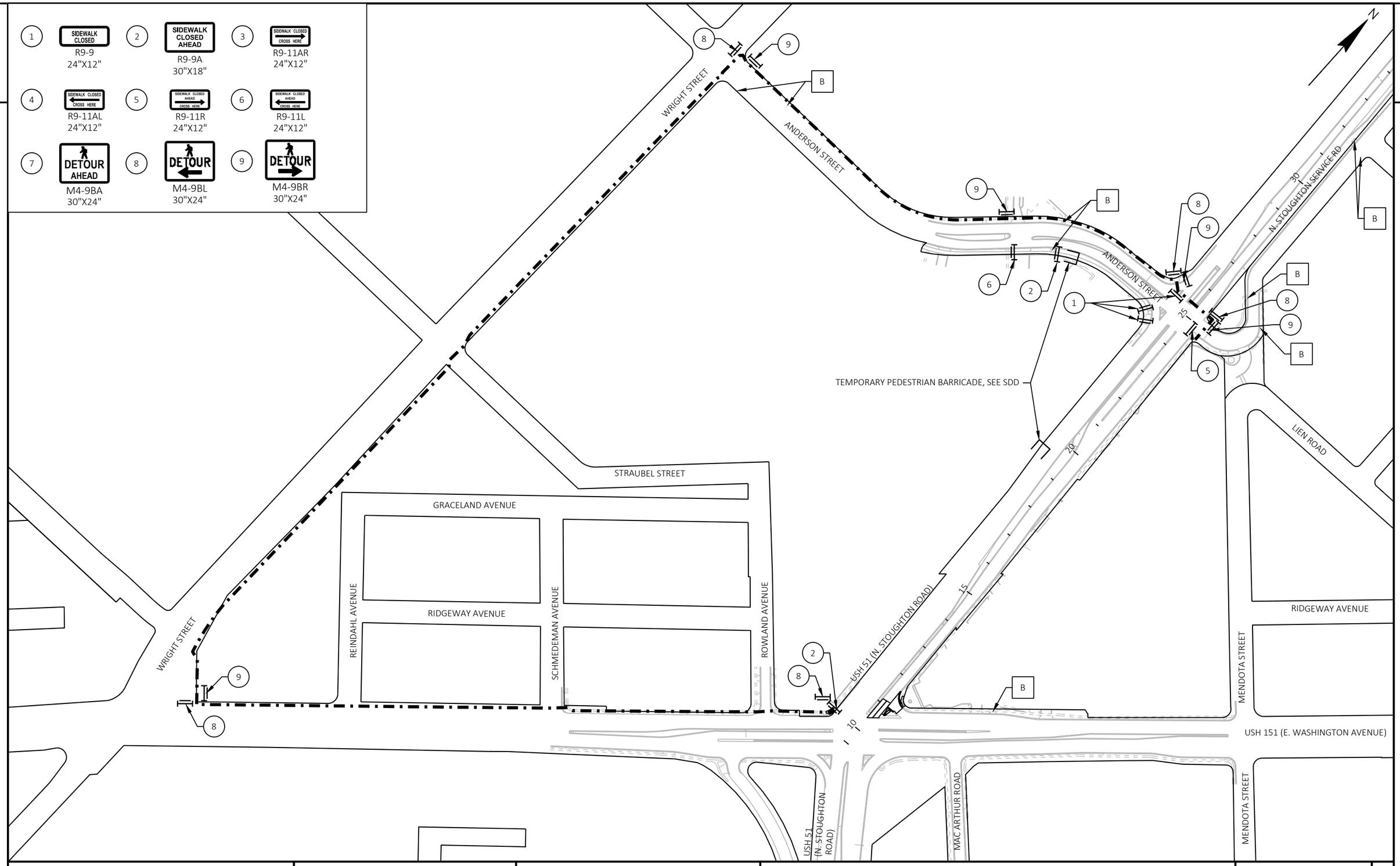
1 — SIDEWALK CLOSED — R9-9 24"X12"
2 — SIDEWALK CLOSED AHEAD — R9-9A 30"X18"
3 — SIDEWALK CLOSED CROSS HERE — R9-11AR 24"X12"
4 — SIDEWALK CLOSED CROSS HERE — R9-11AL 24"X12"
5 — SIDEWALK CLOSED AHEAD CROSS HERE — R9-11R 24"X12"
6 — SIDEWALK CLOSED AHEAD CROSS HERE — R9-11L 24"X12"
7 — DETOUR AHEAD — M4-9BA 30"X24"
8 — DETOUR — M4-9BL 30"X24"
9 — DETOUR — M4-9BR 30"X24"
10 — WO11-2 48"X48" — AHEAD WO16-9P 24"X12"
11 — WO11-2 48"X48" — WO16-7L 24"X12"



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGES 2A-2C PEDESTRIAN DETOUR PLAN	SHEET 205 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027001-DT-PEDS.DWG
LAYOUT NAME - 027005-dt-S2A
PLOT DATE : 7/27/2022 3:14 PM
PLOT BY : CHAD WAGNER
PLOT NAME :
PLOT SCALE : 1 IN: 250 FT

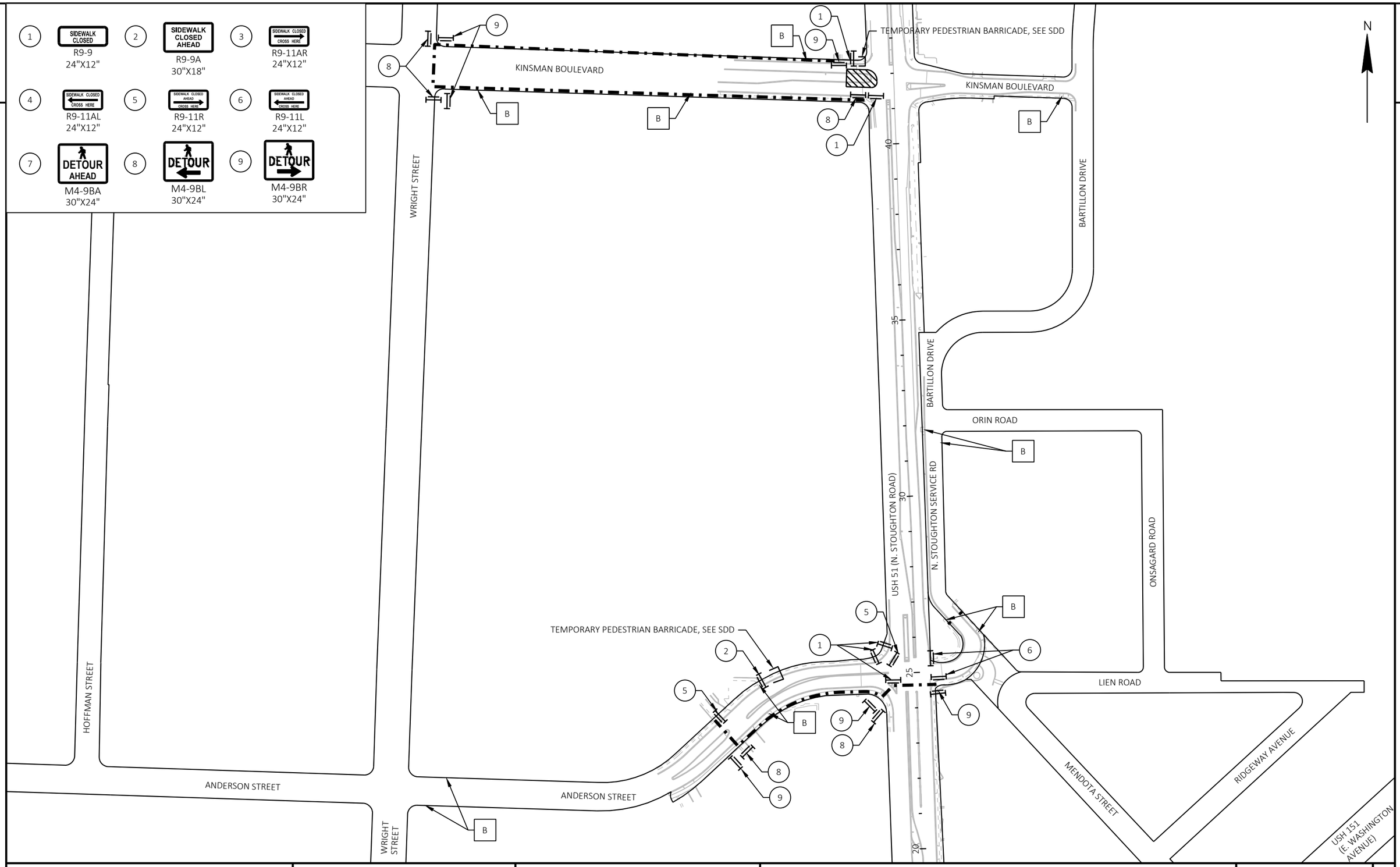
1	SIDEWALK CLOSED	R9-9 24"X12"
2	SIDEWALK CLOSED AHEAD	R9-9A 30"X18"
3	SIDEWALK CLOSED CROSS HERE	R9-11AR 24"X12"
4	SIDEWALK CLOSED CROSS HERE	R9-11AL 24"X12"
5	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11R 24"X12"
6	SIDEWALK CLOSED AHEAD CROSS HERE	R9-11L 24"X12"
7	DETOUR AHEAD	M4-9BA 30"X24"
8	DETOUR	M4-9BL 30"X24"
9	DETOUR	M4-9BR 30"X24"



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGE 3A PEDESTRIAN DETOUR PLAN (ANDERSON SW QUAD)	SHEET 206 E

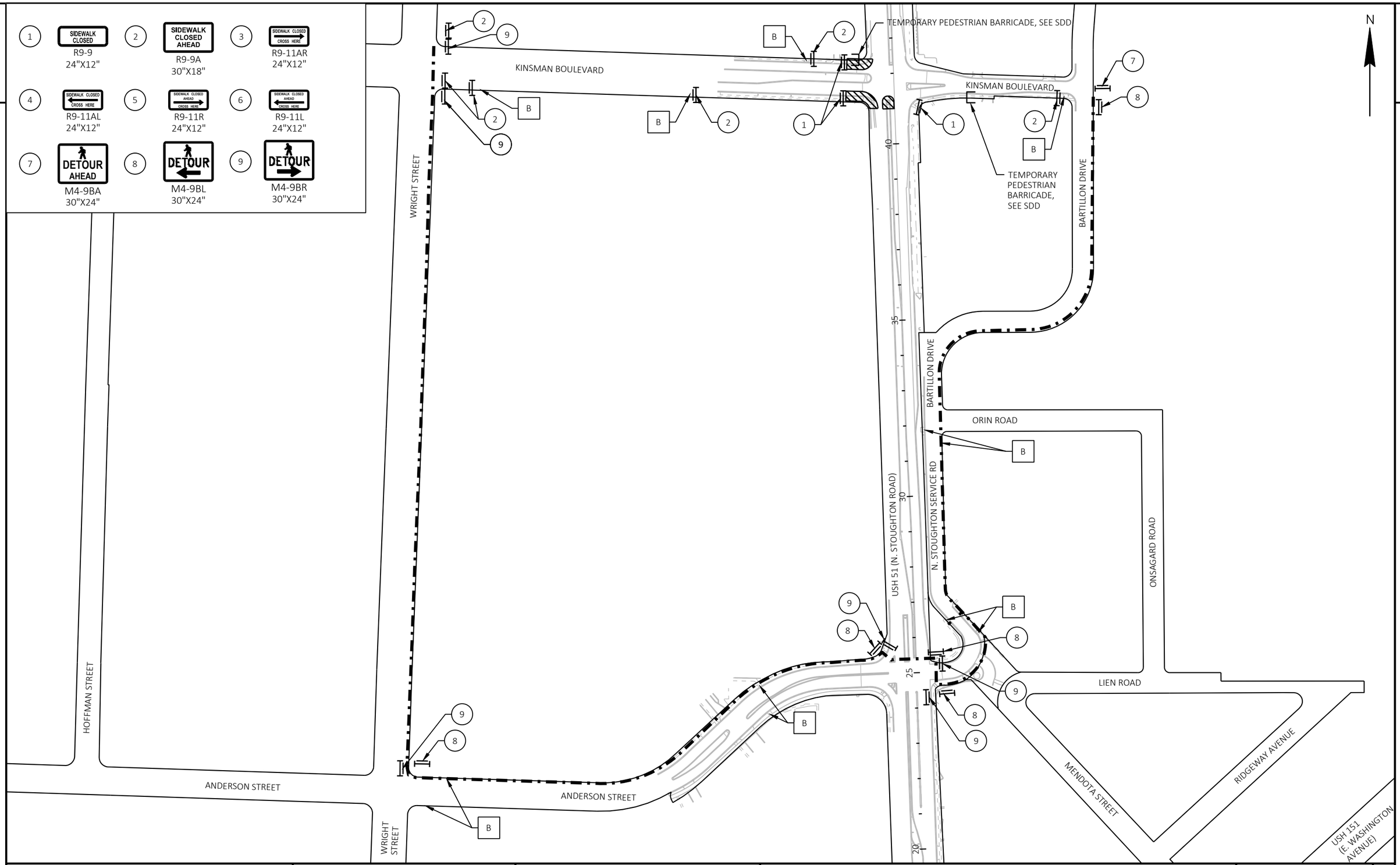
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027001-DT-PEDS.DWG
LAYOUT NAME - 027006-dt-S3A
PLOT DATE : 7/27/2022 3:14 PM
PLOT BY : CHAD WAGNER
PLOT NAME :
PLOT SCALE : 1 IN: 250 FT
WISDOT/CADDS SHEET 42

1	SIDEWALK CLOSED R9-9 24"X12"	2	SIDEWALK CLOSED AHEAD R9-9A 30"X18"	3	SIDEWALK CLOSED CROSS HERE → R9-11AR 24"X12"
4	SIDEWALK CLOSED CROSS HERE ← R9-11AL 24"X12"	5	SIDEWALK CLOSED AHEAD CROSS HERE → R9-11R 24"X12"	6	SIDEWALK CLOSED AHEAD CROSS HERE ← R9-11L 24"X12"
7	DETOUR AHEAD M4-9BA 30"X24"	8	DETOUR ← M4-9BL 30"X24"	9	DETOUR → M4-9BR 30"X24"



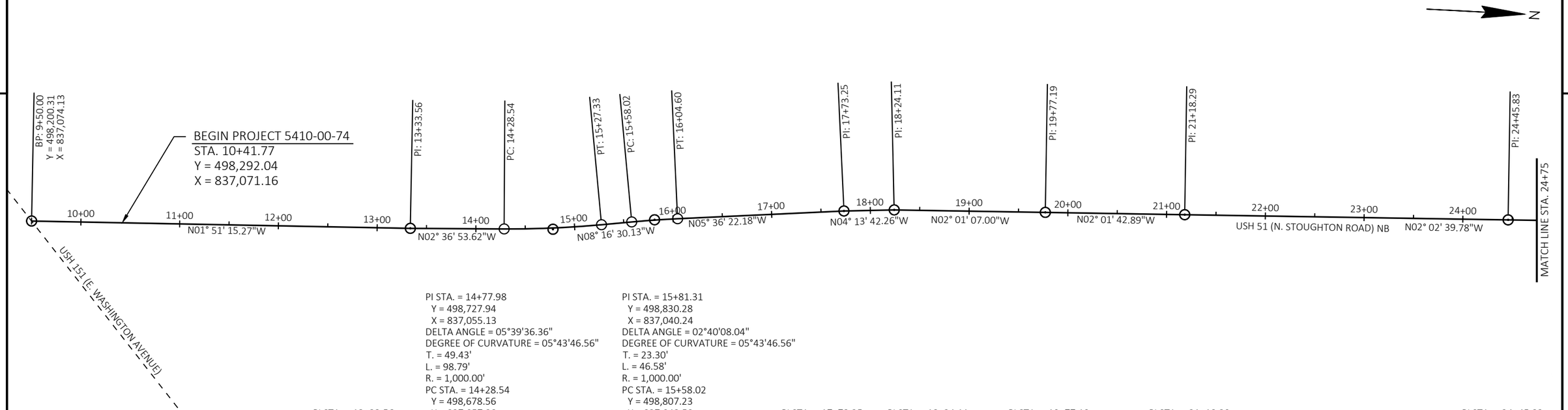
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGE 3A PEDESTRIAN DETOUR PLAN (ANDERSON NEW QUAD)	SHEET 207 E

1	SIDEWALK CLOSED R9-9 24"X12"	2	SIDEWALK CLOSED AHEAD R9-9A 30"X18"	3	SIDEWALK CLOSED CROSS HERE → R9-11AR 24"X12"
4	SIDEWALK CLOSED CROSS HERE ← R9-11AL 24"X12"	5	SIDEWALK CLOSED AHEAD CROSS HERE → R9-11R 24"X12"	6	SIDEWALK CLOSED AHEAD CROSS HERE ← R9-11L 24"X12"
7	DETOUR AHEAD M4-9BA 30"X24"	8	DETOUR ← M4-9BL 30"X24"	9	DETOUR → M4-9BR 30"X24"



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PEDESTRIAN ACCESS: STAGE 3B PEDESTRIAN DETOUR PLAN	SHEET 208 E

2



PI STA. = 13+33.56
Y = 498,583.67
X = 837,061.72
Δ.= 00°45'38.35"

PI STA. = 14+77.98
Y = 498,727.94
X = 837,055.13
DELTA ANGLE = 05°39'36.36"
DEGREE OF CURVATURE = 05°43'46.56"
T. = 49.43'
L. = 98.79'
R. = 1,000.00'
PC STA. = 14+28.54
Y = 498,678.56
X = 837,057.38
PT STA. = 15+27.33
Y = 498,776.86
X = 837,048.01

PI STA. = 15+81.31
Y = 498,830.28
X = 837,040.24
DELTA ANGLE = 02°40'08.04"
DEGREE OF CURVATURE = 05°43'46.56"
T. = 23.30'
L. = 46.58'
R. = 1,000.00'
PC STA. = 15+58.02
Y = 498,807.23
X = 837,043.59
PT STA. = 16+04.60
Y = 498,853.46
X = 837,037.97

PI STA. = 17+73.25
Y = 499,021.30
X = 837,021.49
Δ.= 01°22'39.92"

PI STA. = 18+24.11
Y = 499,072.03
X = 837,017.74
Δ.= 02°12'35.26"

PI STA. = 19+77.19
Y = 499,225.01
X = 837,012.35
Δ.= 00°00'35.89"

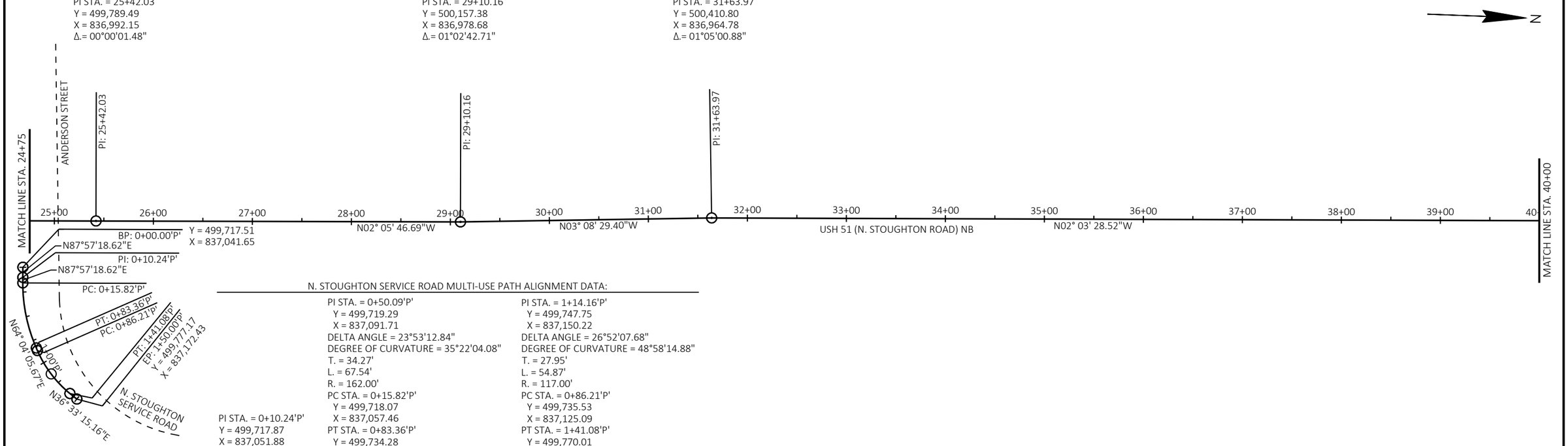
PI STA. = 21+18.29
Y = 499,366.03
X = 837,007.35
Δ.= 00°00'56.89"

PI STA. = 24+45.83
Y = 499,693.35
X = 836,995.67
Δ.= 00°03'08.39"

PI STA. = 25+42.03
Y = 499,789.49
X = 836,992.15
Δ.= 00°00'01.48"

PI STA. = 29+10.16
Y = 500,157.38
X = 836,978.68
Δ.= 01°02'42.71"

PI STA. = 31+63.97
Y = 500,410.80
X = 836,964.78
Δ.= 01°05'00.88"



N. STOUGHTON SERVICE ROAD MULTI-USE PATH ALIGNMENT DATA:

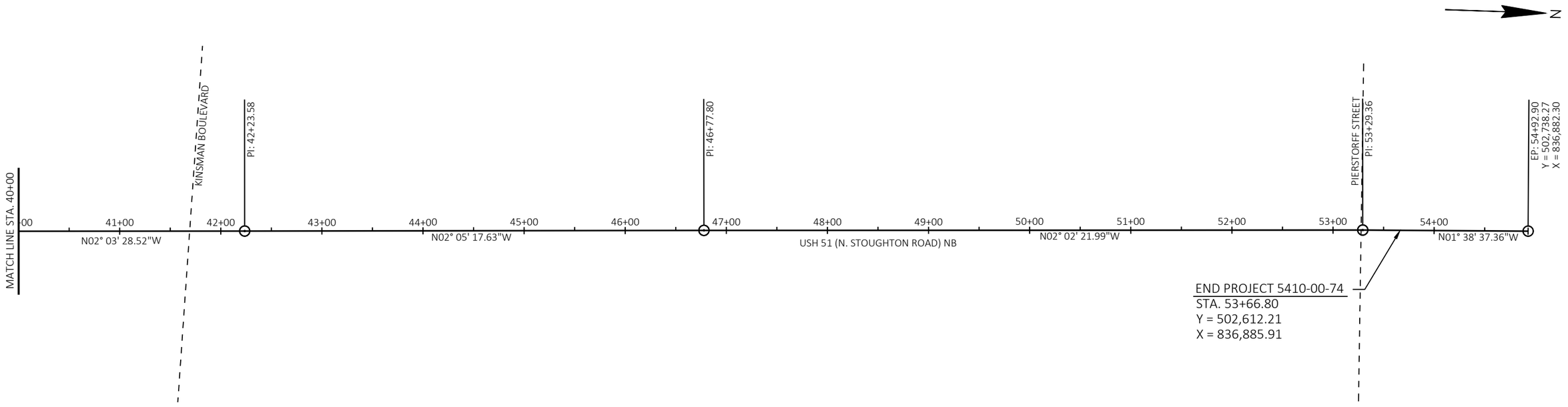
PI STA. = 0+10.24'P'
Y = 499,717.87
X = 837,051.88
Δ.= 00°00'00.00"

PI STA. = 0+50.09'P'
Y = 499,719.29
X = 837,091.71
DELTA ANGLE = 23°53'12.84"
DEGREE OF CURVATURE = 35°22'04.08"
T. = 34.27'
L. = 67.54'
R. = 162.00'
PC STA. = 0+15.82'P'
Y = 499,718.07
X = 837,057.46
PT STA. = 0+83.36'P'
Y = 499,734.28
X = 837,122.52

PI STA. = 1+14.16'P'
Y = 499,747.75
X = 837,150.22
DELTA ANGLE = 26°52'07.68"
DEGREE OF CURVATURE = 48°58'14.88"
T. = 27.95'
L. = 54.87'
R. = 117.00'
PC STA. = 0+86.21'P'
Y = 499,735.53
X = 837,125.09
PT STA. = 1+41.08'P'
Y = 499,770.01
X = 837,167.12

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET 209	E

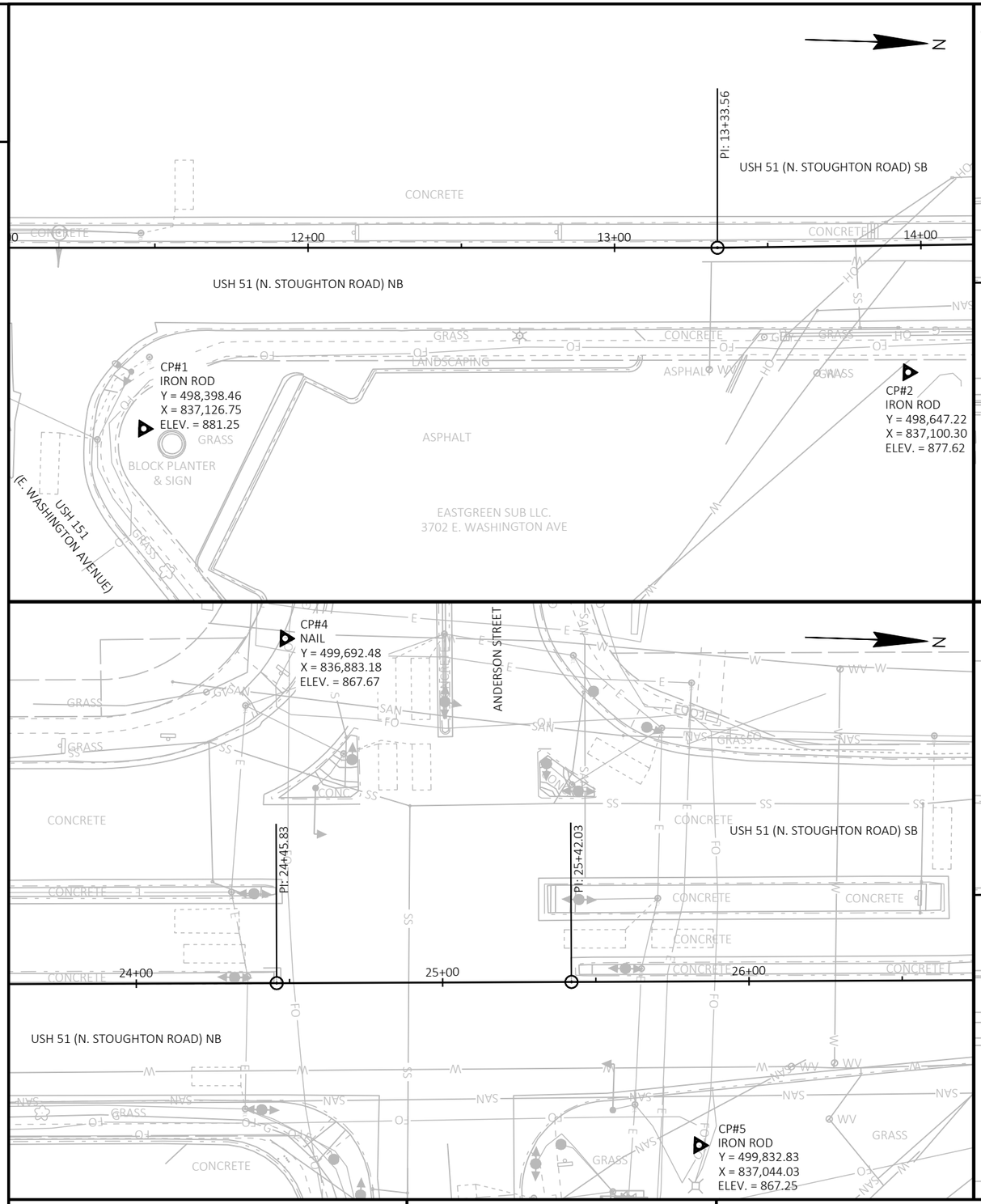
2

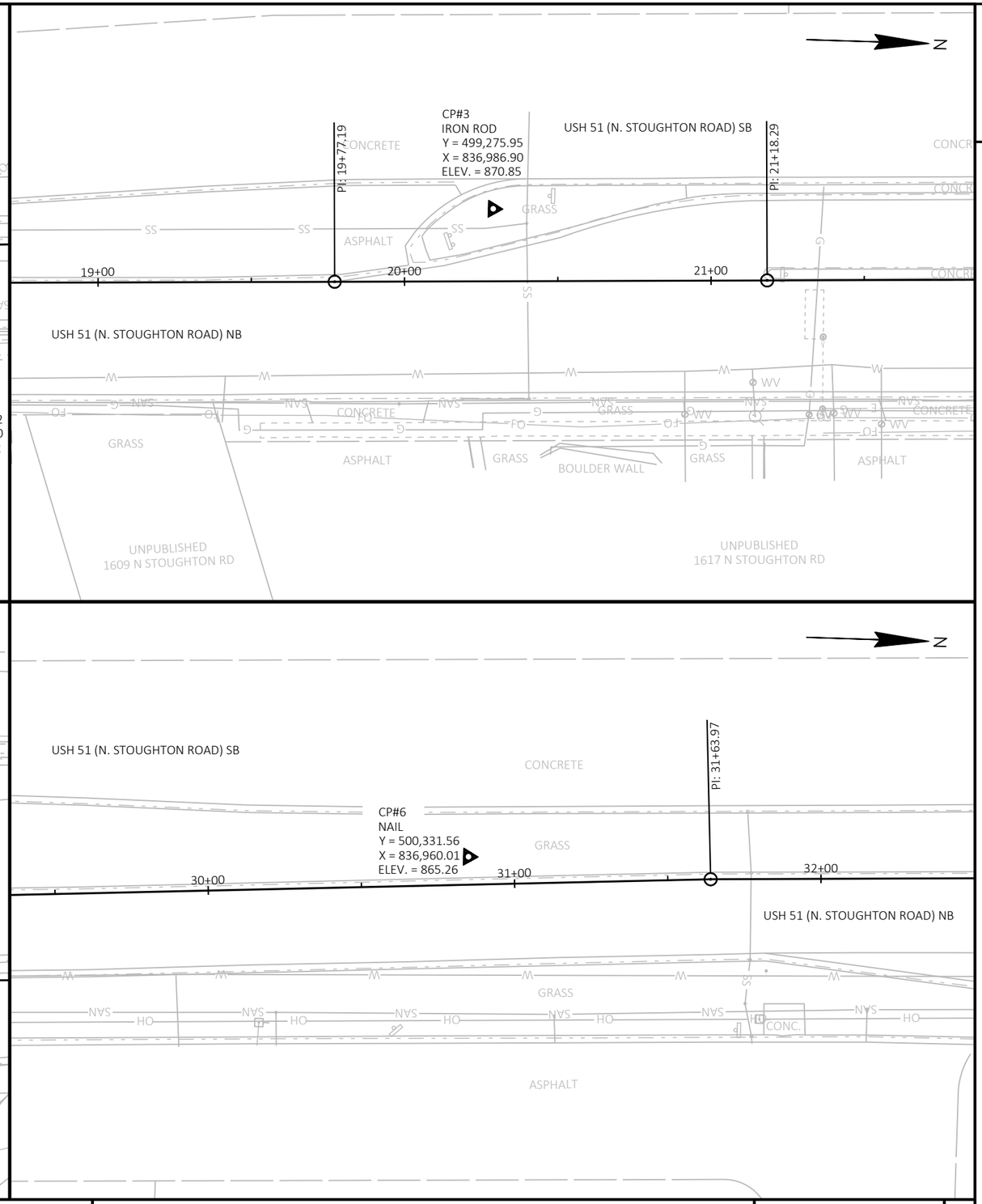


PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	ALIGNMENT OVERVIEW	SHEET 210	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027202-ad
PLOT DATE : 7/11/2022 11:58 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

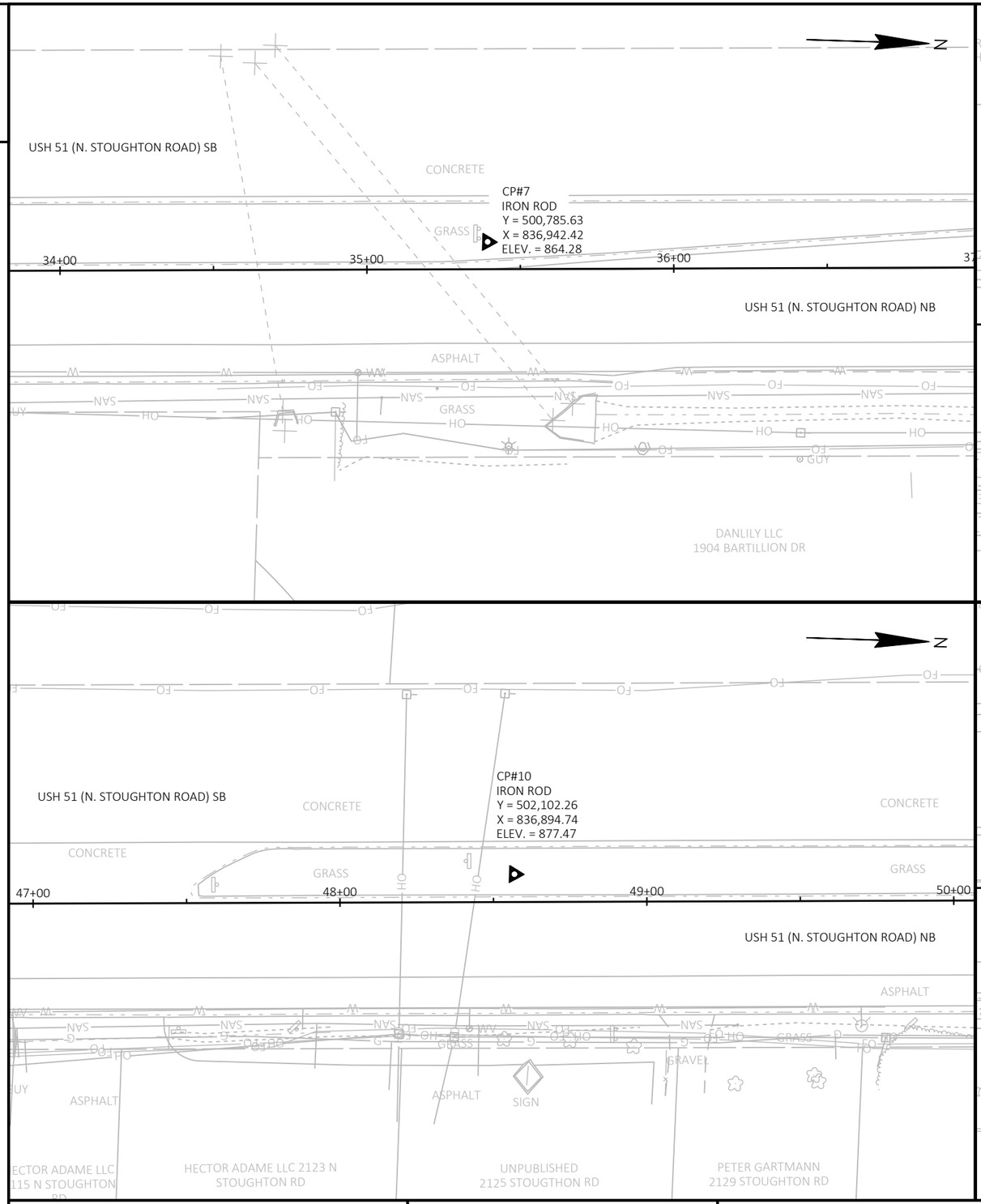


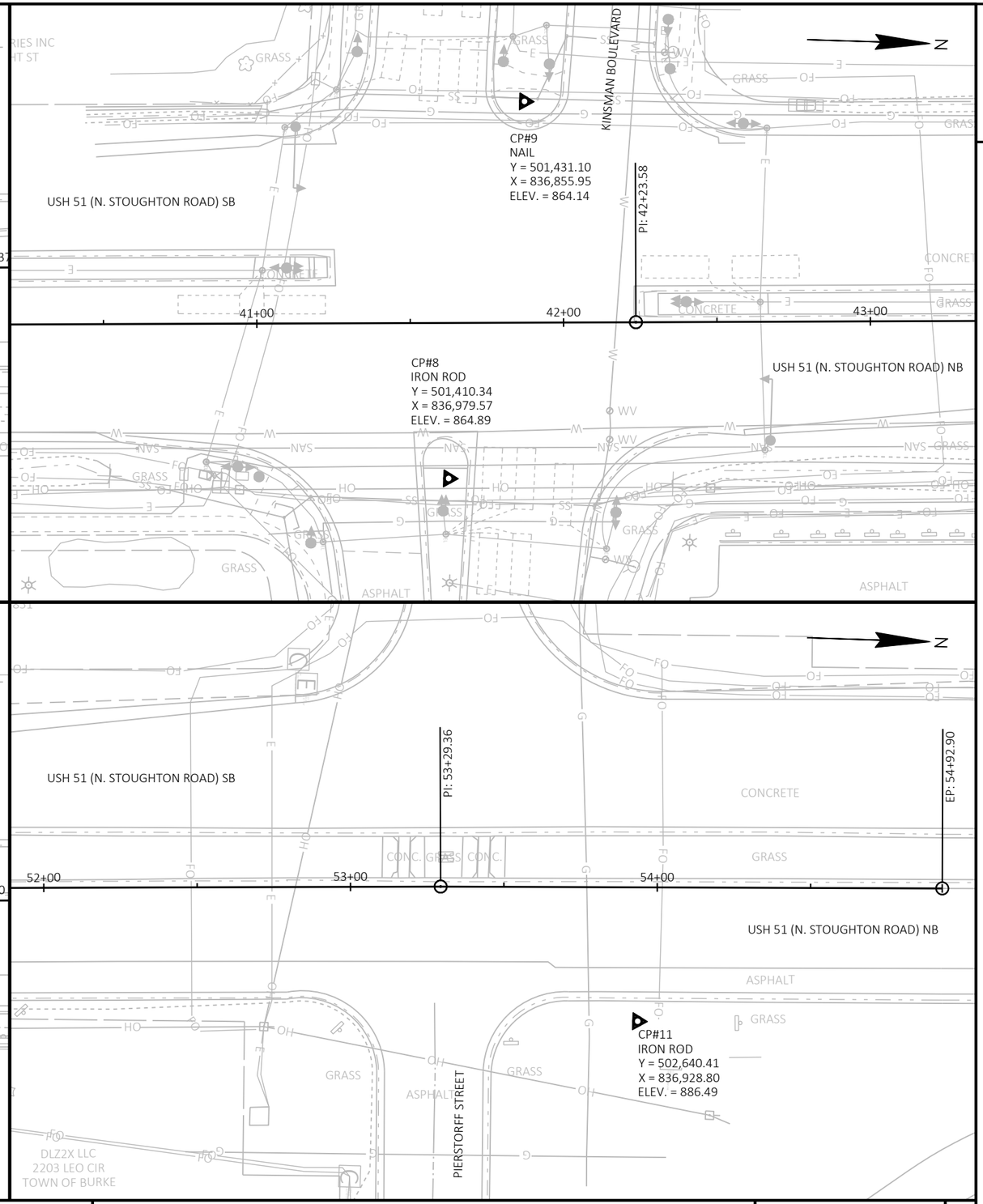


2

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CONTROL POINTS	SHEET 211	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp
PLOT DATE : 7/16/2022 10:08 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CONTROL POINTS	SHEET 212	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027302-cp
PLOT DATE : 7/16/2022 10:08 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

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Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	15,100.000	15,100.000
0004	204.0150	Removing Curb & Gutter	LF	2,670.000	2,670.000
0006	204.0155	Removing Concrete Sidewalk	SY	496.000	496.000
0008	204.0195	Removing Concrete Bases	EACH	3.000	3.000
0010	205.0100	Excavation Common	CY	8,396.000	8,396.000
0012	213.0100	Finishing Roadway (project) 01. 5410-00-74	EACH	1.000	1.000
0014	305.0110	Base Aggregate Dense 3/4-Inch	TON	196.000	196.000
0016	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2,750.000	2,750.000
0018	312.0110	Select Crushed Material	TON	2,450.000	2,450.000
0020	415.0095	Concrete Pavement 9 1/2-Inch	SY	12,080.000	12,080.000
0022	415.0210	Concrete Pavement Gaps	EACH	6.000	6.000
0024	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	2,440.000	2,440.000
0026	415.6000.S	Rout and Seal	LF	1,893.000	1,893.000
0028	416.0270	Concrete Driveway HES 7-Inch	SY	114.000	114.000
0030	416.0610	Drilled Tie Bars	EACH	1,132.000	1,132.000
0032	416.0620	Drilled Dowel Bars	EACH	130.000	130.000
0034	416.1725	Concrete Pavement Replacement SHES	SY	291.000	291.000
0036	455.0605	Tack Coat	GAL	70.000	70.000
0038	460.2000	Incentive Density HMA Pavement	DOL	390.000	390.000
0040	460.5224	HMA Pavement 4 LT 58-28 S	TON	606.000	606.000
0042	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	12.000	12.000
0044	465.0125	Asphaltic Surface Temporary	TON	170.000	170.000
0046	465.0315	Asphaltic Flumes	SY	12.000	12.000
0048	495.1000.S	Cold patch	TON	10.000	10.000
0050	520.8700	Cleaning Culvert Pipes	EACH	6.000	6.000
0052	601.0205	Concrete Gutter 24-Inch	LF	427.000	427.000
0054	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	3.000	3.000
0056	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	2,753.000	2,753.000
0058	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	191.000	191.000
0060	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	1,650.000	1,650.000
0062	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	876.000	876.000
0064	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	502.000	502.000
0066	601.0600	Concrete Curb Pedestrian	LF	305.000	305.000
0068	602.0410	Concrete Sidewalk 5-Inch	SF	2,190.000	2,190.000
0070	602.0420	Concrete Sidewalk 7-Inch	SF	420.000	420.000
0072	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	222.000	222.000
0074	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	52.710	52.710
0076	602.2400	Concrete Safety Islands	SF	2,300.000	2,300.000
0078	611.8110	Adjusting Manhole Covers	EACH	3.000	3.000
0080	611.8115	Adjusting Inlet Covers	EACH	20.000	20.000
0082	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0084	611.9705	Salvaged Manhole Covers	EACH	1.000	1.000
0086	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5410-00-74	EACH	1.000	1.000
0088	619.1000	Mobilization	EACH	1.000	1.000
0090	620.0300	Concrete Median Sloped Nose	SF	520.000	520.000
0092	623.0200	Dust Control Surface Treatment	SY	20,262.000	20,262.000
0094	624.0100	Water	MGAL	25.000	25.000
0096	625.0100	Topsoil	SY	3,500.000	3,500.000
0098	625.0500	Salvaged Topsoil	SY	5,300.000	5,300.000

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Line	Item	Item Description	Unit	Total	Qty
0100	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0102	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0104	628.2006	Erosion Mat Urban Class I Type A	SY	7,500.000	7,500.000
0106	628.7005	Inlet Protection Type A	EACH	1.000	1.000
0108	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0110	628.7015	Inlet Protection Type C	EACH	40.000	40.000
0112	628.7504	Temporary Ditch Checks	LF	25.000	25.000
0114	628.7555	Culvert Pipe Checks	EACH	40.000	40.000
0116	628.7560	Tracking Pads	EACH	6.000	6.000
0118	629.0210	Fertilizer Type B	CWT	4.950	4.950
0120	630.0140	Seeding Mixture No. 40	LB	132.000	132.000
0122	630.0200	Seeding Temporary	LB	13.500	13.500
0124	630.0500	Seed Water	MGAL	445.000	445.000
0126	631.0300	Sod Water	MGAL	0.500	0.500
0128	631.1000	Sod Lawn	SY	10.000	10.000
0130	633.5200	Markers Culvert End	EACH	6.000	6.000
0132	638.2102	Moving Signs Type II	EACH	17.000	17.000
0134	638.2602	Removing Signs Type II	EACH	6.000	6.000
0136	638.3000	Removing Small Sign Supports	EACH	4.000	4.000
0138	638.4000	Moving Small Sign Supports	EACH	17.000	17.000
0140	642.5401	Field Office Type D	EACH	1.000	1.000
0142	643.0300	Traffic Control Drums	DAY	36,000.000	36,000.000
0144	643.0410	Traffic Control Barricades Type II	DAY	2,000.000	2,000.000
0146	643.0420	Traffic Control Barricades Type III	DAY	3,100.000	3,100.000
0148	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	150.000	150.000
0150	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	150.000	150.000
0152	643.0705	Traffic Control Warning Lights Type A	DAY	7,100.000	7,100.000
0154	643.0715	Traffic Control Warning Lights Type C	DAY	5,300.000	5,300.000
0156	643.0800	Traffic Control Arrow Boards	DAY	260.000	260.000
0158	643.0900	Traffic Control Signs	DAY	17,000.000	17,000.000
0160	643.0920	Traffic Control Covering Signs Type II	EACH	13.000	13.000
0162	643.1000	Traffic Control Signs Fixed Message	SF	148.500	148.500
0164	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000
0166	643.3105	Temporary Marking Line Paint 4-Inch	LF	175.000	175.000
0168	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	17,500.000	17,500.000
0170	643.3205	Temporary Marking Line Paint 8-Inch	LF	430.000	430.000
0172	643.3250	Temporary Marking Line Removable Tape 8-Inch	LF	4,700.000	4,700.000
0174	643.3505	Temporary Marking Arrow Paint	EACH	2.000	2.000
0176	643.3550	Temporary Marking Arrow Removable Tape	EACH	14.000	14.000
0178	643.3605	Temporary Marking Word Paint	EACH	1.000	1.000
0180	643.3650	Temporary Marking Word Removable Tape	EACH	5.000	5.000
0182	643.3850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	50.000	50.000
0184	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	250.000	250.000
0186	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	1,500.000	1,500.000
0188	643.5000	Traffic Control	EACH	1.000	1.000
0190	644.1410	Temporary Pedestrian Surface Asphalt	SF	100.000	100.000
0192	644.1430	Temporary Pedestrian Surface Plate	SF	400.000	400.000
0194	644.1440	Temporary Pedestrian Surface Matting	SF	400.000	400.000
0196	644.1601	Temporary Pedestrian Curb Ramp	DAY	200.000	200.000

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Line	Item	Item Description	Unit	Total	Qty
0198	644.1605	Temporary Pedestrian Detectable Warning Field	SF	120.000	120.000
0200	644.1810	Temporary Pedestrian Barricade	LF	560.000	560.000
0202	646.1020	Marking Line Epoxy 4-Inch	LF	13,440.000	13,440.000
0204	646.3020	Marking Line Epoxy 8-Inch	LF	1,935.000	1,935.000
0206	646.5020	Marking Arrow Epoxy	EACH	12.000	12.000
0208	646.5120	Marking Word Epoxy	EACH	5.000	5.000
0210	646.6120	Marking Stop Line Epoxy 18-Inch	LF	185.000	185.000
0212	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,045.000	1,045.000
0214	646.8120	Marking Curb Epoxy	LF	70.000	70.000
0216	646.8220	Marking Island Nose Epoxy	EACH	12.000	12.000
0218	646.9000	Marking Removal Line 4-Inch	LF	2,250.000	2,250.000
0220	646.9100	Marking Removal Line 8-Inch	LF	260.000	260.000
0222	646.9200	Marking Removal Line Wide	LF	360.000	360.000
0224	646.9300	Marking Removal Special Marking	EACH	7.000	7.000
0226	650.5000	Construction Staking Base	LF	2,605.000	2,605.000
0228	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,590.000	1,590.000
0230	650.7000	Construction Staking Concrete Pavement	LF	4,669.000	4,669.000
0232	650.8501	Construction Staking Electrical Installations (project) 01. 5410-00-74	EACH	1.000	1.000
0234	650.9000	Construction Staking Curb Ramps	EACH	23.000	23.000
0236	650.9500	Construction Staking Sidewalk (project) 01. 5410-00-74	EACH	1.000	1.000
0238	650.9911	Construction Staking Supplemental Control (project) 01. 5410-00-74	EACH	1.000	1.000
0240	650.9920	Construction Staking Slope Stakes	LF	3,795.000	3,795.000
0242	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	69.000	69.000
0244	652.0700.S	Install Conduit into Existing Item	EACH	11.000	11.000
0246	652.0800	Conduit Loop Detector	LF	952.000	952.000
0248	653.0140	Pull Boxes Steel 24x42-Inch	EACH	1.000	1.000
0250	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0252	654.0101	Concrete Bases Type 1	EACH	4.000	4.000
0254	655.0210	Cable Traffic Signal 3-14 AWG	LF	54.000	54.000
0256	655.0240	Cable Traffic Signal 7-14 AWG	LF	776.000	776.000
0258	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,183.000	1,183.000
0260	655.0700	Loop Detector Lead In Cable	LF	3,200.000	3,200.000
0262	655.0800	Loop Detector Wire	LF	3,344.000	3,344.000
0264	657.0100	Pedestal Bases	EACH	1.000	1.000
0266	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	1.000	1.000
0268	658.0416	Pedestrian Signal Face 16-Inch	EACH	2.000	2.000
0270	658.0500	Pedestrian Push Buttons	EACH	3.000	3.000
0272	658.5070	Signal Mounting Hardware (location) 01. USH 51 & Anderson Street	EACH	1.000	1.000
0274	661.0201	Temporary Traffic Signals for Intersections (location) 01. USH 51 & Anderson Street	EACH	1.000	1.000
0276	661.0201	Temporary Traffic Signals for Intersections (location) 02. USH 51 & Kinsman Boulevard	EACH	1.000	1.000
0278	690.0150	Sawing Asphalt	LF	450.000	450.000
0280	690.0250	Sawing Concrete	LF	5,000.000	5,000.000
0282	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	4,356.000	4,356.000
0284	740.0440	Incentive IRI Ride	DOL	3,203.000	3,203.000
0286	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	600.000	600.000
0288	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	350.000	350.000
0290	SPV.0060	Special 01. Adjusting Water Main Valve Box	EACH	9.000	9.000
0292	SPV.0060	Special 02. Adjusting Sanitary Manhole Covers	EACH	7.000	7.000
0294	SPV.0060	Special 03. Remove, Salvage, & Reinstall Traffic Signal Equipment (USH 51 &	EACH	1.000	1.000

5410-00-74

Line	Item	Item Description	Unit	Total	Qty
		Anderson St)			
0296	SPV.0090	Special 01. Concrete Curb & Gutter 30-Inch Type A HES	LF	800.000	800.000
0298	SPV.0090	Special 02. Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J HES	LF	250.000	250.000
0300	SPV.0165	Special 01. Remove, Salvage, and Reinstall Rock Landscaping	SF	610.000	610.000

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	(204.0100) REMOVING CONCRETE PAVEMENT SY	NOTES
0010	24+48	24+81	RT	31	STAGE 1A, INCLUDES CURB & GUTTER
	25+21	25+50	RT	25	STAGE 1B, INCLUDES CURB & GUTTER
	19+77	24+48	LT	1,312	STAGE 1C, INCLUDES CURB & GUTTER AND SAFETY ISLAND
	14+45	24+48	RT	3,868	STAGE 2A, INCLUDES CURB & GUTTER
	25+50	40+92	RT	4,874	STAGE 2A, INCLUDES CURB & GUTTER
	42+47	53+67	RT	3,421	STAGE 2A, INCLUDES CURB & GUTTER
	24+48	25+50	RT	603	STAGE 2C, INCLUDES CURB & GUTTER
	40+92	42+47	RT	806	STAGE 2B, INCLUDES CURB & GUTTER
	35+40	37+50	LT	161	STAGE 3
		PROJECT TOTAL		**15,100**	

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) REMOVING CONCRETE SIDEWALK SY
0010	9+77	10+02	LT	19
	10+77	11+01	RT (ISLAND)	21
	11+32	11+55	RT	18
	19+68	20+08	RT	29
	20+92	21+12	LT	7
	21+55	22+54	RT	73
	24+24	24+49	LT	25
	24+47	24+73	LT (ISLAND)	28
	25+29	25+51	RT	38
	25+32	25+46	LT (ISLAND)	14
	25+48	25+75	LT	31
	40+87	41+13	RT	26
	41+11	41+19	LT (MEDIAN)	6
	41+22	41+36	LT	21
	41+54	41+69	RT	13
	41+77	42+00	LT	15
	42+31	42+43	LT	12
		CATEGORY 0010 TOTAL		**396**
0030	24+29	1+45'P'	RT	100
		CATEGORY 0030 TOTAL		**100**
		PROJECT TOTAL		**496**

NOTE: THE REMOVAL OF CONCRETE DRIVEWAY APRONS SHALL BE PAID AS REMOVING CONCRETE SIDEWALK

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) REMOVING CURB & GUTTER LF
0010	9+80	9+98	LT	19
	10+77	11+02	RT (ISLAND)	42
	11+29	11+61	RT	50
	20+01	20+19	LT	30
	24+37	24+52	LT	19
	24+44	24+74	LT (ISLAND)	89
	25+25	25+25	RT	8
	25+31	25+51	LT (ISLAND)	60
	25+48	25+61	LT	18
	26+35	26+42	RT	10
	26+59	26+64	RT	7
	31+82	35+80	RT	400
	34+57	37+03	LT	246
	34+74	37+50	LT	278
	41+11	41+24	LT (MEDIAN)	32
	41+34	41+37	LT	15
	41+55	41+70	RT	58
	41+77	41+77	LT	15
	41+99	42+01	LT	15
	42+30	42+36	LT	15
	46+23	53+09	RT	701
	49+06	49+21	LT	15
	49+06	49+21	LT	15
	53+45	53+70	RT	40
	53+53	END OF CROSSOVER	LT	215
	54+56	END OF CROSSOVER	LT	252
		CATEGORY 0010 TOTAL		**2,664**
0030	1+41'P'	1+41'P'	RT	6
		CATEGORY 0030 TOTAL		**6**
		PROJECT TOTAL		**2,670**

BASE AGGREGATE SHOULDERS

CATEGORY	STATION	TO STATION	LOCATION	* (305.0110) BASE AGGREGATE DENSE 3/4-INCH TON
0010	35+80	40+57	RT	30
	42+47	46+18	RT	25
		PROJECT TOTAL		**55**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

SELECT CRUSHED MATERIAL (EBS AREAS)

CATEGORY	DESCRIPTION	(312.0110) SELECT CRUSHED MATERIAL TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	NOTES
0010	PROJECT 5410-00-74	2,450	930	UNDISTRIBUTED FOR EBS
	PROJECT TOTALS	**2,450**	**930**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

EARTHWORK PROJECT 5410-00-74

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1												
USH 51 NB	14+44 - 53+67		5,888	0	3,004	2,884	184	230	2,654	2,654	0	
ANDERSON STREET			86	0	49	37	0	0	37	37	0	
KINSMAN BOULEVARD			59	0	38	21	0	0	21	21	0	
PIERSTORFF STREET			63	0	0	63	0	0	63	63	0	
	BASE PATCHING		110	0	76	34	0	0	34	34		
	TEMPORARY CROSSOVERS		413	0		413			413	413		
	TEMPORARY CROSSOVERS REMOVAL		279	0	79	200			200	200		
	UNDISTRIBUTED - EBS		0	1,400		0			0	0		
DIVISION 1 SUBTOTAL			6,898	1,400	3,246	3,652	184	230	3,422	3,422	0	
DIVISION 2												
ANDERSON STREET MULTI-USE PATH	00+00'P' - 01+41'P'		98	0	0	98	0	0	98	98	0	
DIVISION 2 SUBTOTAL			98	0	0	98	0	0	98	98	0	
	PROJECT TOTALS		6,996	1,400	3,246	3,750	184	230	3,520	3,520	0	
	OVERALL PROJECT TOTAL		8,396									

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL INCLUDES EXISTNG CONCRETE PAVEMENT, CURB & GUTTER AND ASPHALTIC PAVEMENT
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25
(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.

3

ROUT AND SEAL

CATEGORY	STATION	TO STATION	LOCATION	(415.6000.S) ROUT AND SEAL LF
0010	32+10	40+57	RT	851
	42+47	52+84	RT	1,042
		PROJECT TOTAL		**1,893**

CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(415.0095) CONCRETE PAVEMENT 9 1/2-INCH SY	(415.1095) CONCRETE PAVEMENT HES 9 1/2-INCH SY	(415.0210) CONCRETE PAVEMENT GAPS EACH
0010	14+45	24+48	RT & LT	-	3,568	-	2
	19+77	24+48	LT (LEFT TURN LANES)	-	-	1,020	-
	24+48	25+50	RT	-	-	627	1
	25+50	40+92	RT & LT	-	4,618	-	-
	34+74	37+50	LT (LEFT TURN LANE)	-	269	-	-
	40+92	42+47	RT	-	-	793	1
	42+47	53+67	RT & LT	-	3,625	-	1
		UNDISTRIBUTED		500	-	-	1
		PROJECT TOTALS		**500**	**12,080**	**2,440**	**6**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE PAVEMENT REPLACEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.1725) CONCRETE PAVEMENT REPLACEMENT SHES SY
0010	10+42	11+61	RT	42	291
		PROJECT TOTALS		**42**	**291**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

ASPHALTIC FLUMES

CATEGORY	STATION	TO STATION	LOCATION	(465.0315) ASPHALTIC FLUMES SY
0010	46+04	46+28	RT	12
		PROJECT TOTALS		**12**

DRIVEWAYS AND PARKING LOTS

CATEGORY	DRIVEWAY C/L STATION	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.0270) CONCRETE DRIVEWAY HES 7-INCH SY	(465.0120) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	16+43	15+94	16+84	RT	4	-	1.6
	17+25	16+84	17+52	RT	2	-	0.7
	18+47	18+27	18+64	RT	4	-	1.4
	19+88	19+68	20+08	RT	11	32	-
	21+75	21+55	21+97	RT	11	32	-
	-	21+97	22+15	RT	6	18	-
	22+33	22+15	22+54	RT	9	28	-
	47+20	46+92	47+42	RT	19	-	6.4
	49+13	49+04	49+22	RT	5	-	1.7
		CATEGORY 0010 TOTALS			**71**	**110**	**11.9**
0030	-	1+40'P'	1+45'P'	RT	2	4	0.1
		CATEGORY 0030 TOTALS			**2**	**4**	**0.1**
		PROJECT TOTALS			**73**	**114**	**12.0**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

DRILLED BARS

CATEGORY	STATION	TO STATION	LOCATION	(416.0610) DRILLED TIE BARS EACH	(416.0620) DRILLED DOWEL BARS EACH
0010	9+80	9+98	LT	8	-
	10+42	10+63	RT	-	20
	10+42	11+12	ONLINE	28	-
	10+52	11+14	RT	25	-
	10+63	10+77	RT	6	-
	11+04	11+06	RT	4	-
	11+04	11+27	RT	-	18
	11+12	11+16	RT	-	18
	11+16	11+61	RT	18	-
	14+45	15+75	RT	53	-
	15+75	15+75	RT	-	18
	21+12	24+48	LT	134	-
	24+38	24+53	LT	8	-
	24+42	24+75	LT (ISLAND)	39	-
	24+48	24+48	LT	-	20
	24+48	26+65	ONLINE	87	-
	25+30	25+52	LT (ISLAND)	26	-
	25+46	25+60	LT	8	-
	34+57	37+03	LT	99	-
	37+50	37+50	LT	-	9
	37+50	43+83	ONLINE	253	-
	41+11	41+26	LT	6	-
	41+11	41+26	LT	6	-
	41+26	41+26	LT	4	-
	41+36	41+39	LT	6	-
	41+71	41+72	RT	5	-
	41+72	42+15	RT	17	-
	41+75	41+75	LT	6	-
	42+01	42+03	LT	6	-
	42+11	42+15	RT	3	-
	42+15	42+15	RT	5	-
	42+28	42+34	LT	6	-
	46+82	47+58	LT	30	-
	49+06	49+21	LT	6	-
	52+59	54+56	ONLINE	43	-
	53+53	END OF CROSSOVER	LT	86	-
	53+67	53+67	RT	-	27
	54+56	END OF CROSSOVER	ONLINE	101	-
	PROJECT TOTALS			**1,132**	**130**

HMA PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(460.5224) HMA PAVEMENT 4 LT 58-28 S TON	(455.0605) TACK COAT GAL	NOTES
0010	14+28	20+19	LT	134	270	60	MEDIAN
	24+79	25+25	RT	78	40	7	N. STOUGHTON SERVICE ROAD
	32+10	40+57	RT	94	109	-	SHOULDER
	41+28	41+54	RT	15	8	1	KINSMAN BOULEVARD
	42+47	52+84	RT	131	149	-	SHOULDER
	53+11	53+43	RT	20	10	2	PIERSTORFF STREET
	CATEGORY 0010 TOTALS			**472**	**586**	**70**	
0030	0+10'P'	1+40'P'	RT	83	20	-	MULTI-USE PATH
	CATEGORY 0030 TOTALS			**83**	**20**	**0**	
	PROJECT TOTALS			**555**	**606**	**70**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY PAVEMENT

CATEGORY	STAGE	STATION	TO STATION	LOCATION	* (305.0110) BASE AGGREGATE DENSE 3/4-INCH TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(465.0125) ASPHALTIC SURFACE TEMPORARY TON
0010	1A	24+48	24+81	RT	-	3	2
	1A	26+34	26+44	RT	-	1	0.5
	1A	26+57	26+64	RT	-	1	0.5
	1B	25+21	25+50	RT	-	3	2
	1C	20+00	21+12	LT	-	84	35
	1C	34+57	37+50	LT	33	240	54
	1C	49+06	49+21	LT	2	21	7
	1C	53+53	END OF CROSSOVER	LT	40	297	69
			PROJECT TOTALS		**75**	**650**	**170**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVE, SALVAGE, AND REINSTALL ROCK LANDSCAPING

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0165.01) REMOVE, SALVAGE, AND REINSTALL ROCK LANDSCAPING SF
0030	0+10'P'	1+40'P'	RT	610
	PROJECT TOTAL			**610**

COLD PATCH

CATEGORY	DESCRIPTION	(495.1000.S) COLD PATCH TON
0010	UNDISTRIBUTED	10
	PROJECT TOTAL	**10**

3

CLEANING CULVERT PIPES

CATEGORY	FROM STRUCTURE NO.	STATION	LOCATION	TO STRUCTURE NO.	STATION	LOCATION	PIPE SIZE	PIPE LENGTH	(520.8700) CLEANING CULVERT PIPES EACH
0010	DT 6329-033	34+52.6	69.7' LT	DT 6329-034	34+72.4	46.1' RT	24" X 38"	116'	1
	DT 6329-031	34+63.8	67.4' LT	DT 6329-030	35+60.2	49.1' RT	34" X 53"	152'	1
	DT 6329-032	34+70.4	73.2' LT	DT 6329-029	35+66.6	43.6' RT	34" X 53"	152'	1
	IN 6329-040	39+68.3	13.4' LT	AE 6329-021	39+49.7	43.4' RT	15"	60'	1
	IN 6329-005	41+08.7	63.2' RT	AE 6329-004	40+52.0	49.5' RT	34" X 53"	59'	1
	IN 6329-019	42+09.6	59.7' RT	AE 6329-018	42+35.2	52.9' RT	19" X 30"	27'	1
						PROJECT TOTAL			**6**

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	* (305.0110) BASE AGGREGATE DENSE 3/4-INCH TON	(602.0410) CONCRETE SIDEWALK 5-INCH SF	(602.0420) CONCRETE SIDEWALK 7-INCH SF	(602.0505) CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	(602.0605) CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	(650.9000) CONSTRUCTION STAKING CURB RAMPS EACH	(650.9500.01) CONSTRUCTION STAKING SIDEWALK EACH
0010	9+77	10+02	LT	4	175	-	-	19.08	1	-
	10+77	11+01	RT (ISLAND)	-	-	-	20	-	2	-
	11+32	11+55	RT	5	205	-	10	-	1	-
	20+92	21+12	LT	2	70	-	-	-	-	-
	24+24	24+31	LT	1	25	-	-	-	-	-
	24+29	24+60	RT	4	165	-	-	-	-	-
	24+49	24+72	LT (ISLAND)	-	-	-	42	-	3	-
	25+26	25+51	RT	12	470	-	20	-	2	-
	25+32	25+46	LT (ISLAND)	-	-	-	30	-	3	-
	25+48	25+75	LT	7	280	-	10	-	1	-
	40+87	41+13	RT	7	275	-	-	13.43	1	-
	41+11	41+19	LT (MEDIAN)	1	50	-	22	-	2	-
	41+22	41+37	LT	5	195	-	10	-	1	-
	41+77	42+01	LT	4	165	-	20	-	2	-
	42+31	42+43	LT	3	115	-	10	-	1	-
	PROJECT 5410-00-74			-	-	-	-	-	-	1
	CATEGORY 0010 TOTALS			**55**	**2,190**	**0**	**194**	**32.51**	**20**	**1**
0030	24+28	24+51	LT	6	-	230	18	-	1	-
	24+55	24+76	RT	5	-	190	10	20.20	2	-
	CATEGORY 0030 TOTALS			**11**	**0**	**420**	**28**	**20.20**	**3**	**0**
	PROJECT TOTALS			**65**	**2,190**	**420**	**222**	**52.71**	**23**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE SAFETY ISLANDS

CATEGORY	STATION	TO STATION	LOCATION	(602.2400) CONCRETE SAFETY ISLANDS SF
0010	10+77	11+04	RT	345
	21+24	24+41	LT	1,270
	24+42	24+75	LT	430
	25+30	25+52	LT	255
		PROJECT TOTAL		**2,300**

NOTE: QUANTITY FOR BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CONCRETE SAFETY ISLANDS IS INCLUDED WITH THE CONCRETE PAVEMENT BID ITEMS.

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	TO STATION	LOCATION	(620.0300) CONCRETE MEDIAN SLOPED NOSE SF	NOTES
0010	20+00	20+09	LT	83	TYPE 1
	21+18	21+24	LT	26	TYPE 1
	24+41	24+48	LT	28	TYPE 1
	41+18	41+25	LT	80	TYPE 1
	41+56	41+72	RT	190	TYPE 1
	46+85	46+92	LT	55	TYPE 1
	47+50	46+57	LT	58	TYPE 1
		PROJECT TOTAL		**520**	

NOTE: QUANTITY FOR BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CONCRETE MEDIAN SLOPED NOSE IS INCLUDED WITH THE CONCRETE PAVEMENT BID ITEMS.

CONCRETE CURB, GUTTER AND CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0205) CONCRETE GUTTER 24-INCH LF	(601.0407) CONCRETE CURB & GUTTER 18-INCH TYPE D LF	(601.0409) CONCRETE CURB & GUTTER 30-INCH TYPE A LF	(601.0411) CONCRETE CURB & GUTTER 30-INCH TYPE D LF	(601.0413) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	(601.0415) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	(601.0555) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	(601.0600) CONCRETE CURB PEDESTRIAN LF	(SPV.0090.01) CONCRETE CURB & GUTTER 30-INCH TYPE A HES LF	(SPV.0090.02) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J HES LF	(650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	9+80	9+98	LT	-	-	19	-	-	-	-	-	-	-	-
	10+79	11+01	RT (ISLAND)	-	-	-	-	-	-	-	17	-	-	17
	10+85	11+01	RT (ISLAND)	-	-	-	-	-	-	-	25	-	-	25
	11+29	11+61	RT	-	-	50	-	-	-	-	-	-	-	-
	14+45	24+48	RT	-	-	1,002	-	-	-	-	-	-	-	-
	15+75	20+02	LT	427	-	-	-	-	-	-	-	-	-	-
	20+07	20+20	LT	-	-	-	16	-	-	-	-	-	-	16
	20+08	21+12	LT	-	-	106	-	-	-	-	-	-	-	-
	24+37	24+52	LT	-	-	19	-	-	-	-	-	-	-	-
	24+48	24+77	RT	-	-	52	-	-	-	-	-	-	-	52
	24+49	24+73	LT (ISLAND)	-	-	-	-	-	-	-	25	-	-	25
	25+25	25+25	RT	-	-	-	8	-	-	-	-	-	-	8
	25+25	25+50	RT	-	-	44	-	-	-	-	-	-	-	44
	25+32	25+46	LT (ISLAND)	-	-	-	-	-	-	-	22	-	-	22
	25+48	25+61	LT	-	-	18	-	-	-	-	-	-	-	-
	25+50	32+10	RT	-	-	660	-	-	-	-	-	-	-	-
	26+35	26+42	RT	-	-	-	10	-	-	-	-	-	-	10
	26+59	26+64	RT	-	-	-	7	-	-	-	-	-	-	7
	26+65	33+60	LT	-	-	695	-	-	-	-	-	-	-	-
	32+10	33+60	RT	-	-	-	150	-	-	-	-	-	-	150
	33+60	34+74	LT	-	-	-	-	113	-	-	-	-	-	-
	33+60	35+80	RT	-	-	-	-	-	220	-	-	-	-	220
	34+57	37+03	LT	-	-	-	-	246	-	-	-	-	-	-
	34+74	37+50	LT	-	-	-	-	277	-	-	-	-	-	-
	40+57	40+92	RT	-	-	-	-	35	-	-	-	-	-	-
	40+92	41+28	RT	-	-	-	-	51	-	-	-	-	-	51
	40+97	41+08	RT	-	-	-	-	-	-	-	21	-	-	21
	41+03	41+13	RT	-	-	-	-	-	-	-	20	-	-	20
	41+11	41+18	LT (MEDIAN)	-	-	-	-	15	-	-	-	-	-	-
	41+34	41+37	LT	-	-	15	-	-	-	-	-	-	-	-
	41+55	41+57	RT	-	-	28	-	-	-	-	-	-	-	28
	41+77	41+77	LT	-	-	15	-	-	-	-	-	-	-	-
	41+99	42+01	LT	-	-	15	-	-	-	-	-	-	-	-
	42+13	42+47	RT	-	-	-	-	40	-	-	-	-	-	40
	42+30	42+36	LT	-	-	15	-	-	-	-	-	-	-	-
	42+34	42+42	LT	-	-	-	-	-	-	-	8	-	-	8
	43+83	46+85	LT	-	-	-	-	302	-	-	-	-	-	-
	46+28	52+84	RT	-	-	-	-	-	656	-	-	-	-	656
	46+81	46+85	LT	-	-	-	-	5	-	-	-	-	-	-
	47+56	47+59	LT	-	-	-	-	4	-	-	-	-	-	-
	47+56	52+24	LT	-	-	-	-	468	-	-	-	-	-	-
	49+06	49+21	LT	-	-	-	-	15	-	-	-	-	-	-
	52+24	52+59	LT	-	-	-	-	-	-	35	-	-	-	-
	52+84	53+09	RT	-	-	-	-	40	-	-	-	-		-
	53+45	53+70	RT	-	-	-	-	39	-	-	-	-	-	-
	53+53	END OF CROSSOVER	LT	-	-	-	-	-	-	215	-	-	-	-
	54+56	END OF CROSSOVER	LT	-	-	-	-	-	-	252	-	-	-	-
		UNDISTRIBUTED		-	-	-	-	-	-	-	-	800	250	-
		CATEGORY 0010 TOTALS		**427**	**0**	**2,753**	**191**	**1,650**	**876**	**502**	**138**	**800**	**250**	**1,420**
0030	1+41'P'	1+41'P'	RT	-	3	-	-	-	-	-	-	-	-	3
	24+32	1+40'P'	RT	-	-	-	-	-	-	-	167	-	-	167
		CATEGORY 0030 TOTALS		**0**	**3**	**0**	**0**	**0**	**0**	**0**	**167**	**0**	**0**	**170**
		PROJECT TOTALS		**427**	**3**	**2,753**	**191**	**1,650**	**876**	**502**	**305**	**800**	**250**	**1,590**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: QUANTITY FOR BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CURB & GUTTER IS INCLUDED WITH THE CONCRETE PAVEMENT BID ITEMS.

3

ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH	(611.9705) SALVAGED MANHOLE COVERS EACH
0010	IN 6332-003	15+84.0	37.5' RT	-	1	-
	AS 6332-001	15+86.0	16.4' LT	1	-	-
	IN 6331-016	18+18.8	37.5' RT	-	1	-
	AS 6331-015	18+21.5	17.2' LT	1	-	-
	IN 6331-014	20+18.5	37.5' RT	-	1	-
	AS 6331-013	20+39.9	18.8' LT	-	-	1
	IN 6331-012	20+40.5	37.5' RT	-	1	-
	IN 6331-009	22+58.5	37.5' RT	-	1	-
	IN 6331-010	22+79.5	37.5' RT	-	1	-
	IN 6231-028	24+69.1	80.1' LT	-	1	-
	IN 6330-029	24+77.3	67.3' RT	-	1	-
	-	24+77.6	71.6' RT	-	1	-
	AS 6330-027	24+88.2	68.6' RT	1	-	-
	IN 6330-034	25+42.9	68.6' LT	-	1	-
	IN 6330-020	27+27.6	1.5' LT	-	1	-
	IN 6330-021	27+28.3	25.5' RT	-	1	-
	IN 6330-010	29+17.7	25.5' RT	-	1	-
	IN 6330-011	29+23.0	1.5' LT	-	1	-
	IN 6330-003	31+76.8	25.5' RT	-	1	-
	IN 6330-004	31+77.2	1.5' LT	-	1	-
	IN 6329-027	34+72.6	35.5' RT	-	1	-
	-	35+58.4	35.5' RT	-	1	-
	IN 6329-028	35+61.9	35.5' RT	-	1	-
	IN 6329-007	41+17.8	56.2' RT	-	1	-
		PROJECT TOTALS		**3**	**20**	**1**

ADJUSTING WATER MAIN VALVE BOX

CATEGORY	STATION	LOCATION	(SPV.0060.01) ADJUSTING WATER MAIN VALVE BOX EACH
0020	21+13.6	33.2' RT	1
	26+13.7	27.9' RT	1
	26+27.8	26.8' RT	1
	34+97.0	33.6' RT	1
	38+15.3	33.1' RT	1
	42+14.9	38.2' RT	1
	42+15.0	28.8' RT	1
	46+83.0	39.4' RT	1
	46+89.1	35.4' RT	1
	PROJECT TOTAL		**9**

ADJUSTING SANITARY MANHOLE COVERS

CATEGORY	STRUCTURE NO.	STATION	LOCATION	(SPV.0060.02) ADJUSTING SANITARY MANHOLE COVERS EACH
0020	SAS 6332-003	16+19.3	27.6' RT	1
	SAS 6331-003	19+98.1	39.9' RT	1
	SAS 6331-002	22+98.2	39.5' RT	1
	SAS 6329-002	37+73.5	40.8' RT	1
	SAS 6329-001	40+60.8	40.5' RT	1
	SAS 6328-003	43+49.9	40.9' RT	1
	SAS 6328-002	46+39.6	40.5' RT	1
	PROJECT TOTAL			**7**

COVER PLATES TEMPORARY

CATEGORY	STATION	LOCATION	(611.8120.S) COVER PLATES TEMPORARY EACH	NOTES
0010	20+40	19' LT	1	STAGE 1C
	UNDISTRIBUTED		1	
	PROJECT TOTAL		**2**	

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION	TO STATION	LOCATION	(623.0200) DUST CONTROL SURFACE TREATMENT SY
0010	14+28	24+48	LT & RT	5,366
	19+77	24+48	LT	1,242
	24+48	25+50	RT	910
	25+50	40+92	RT & LT	6,225
	40+92	42+47	RT	951
	42+47	53+67	RT & LT	5,568
	PROJECT TOTAL			**20,262**

WATER

CATEGORY	DESCRIPTION	(624.0100) WATER MGAL
0010	PROJECT 5410-00-74	25
	PROJECT TOTAL	**25**

NOTE: WATER BID ITEM TO BE USED FOR BASE AGGREGATE COMPACTIONS

TEMPORARY FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	* (625.0500) SALVAGED TOPSOIL SY	* (628.2006) EROSION MAT URBAN CLASS I TYPE A SY	* (629.0210) FERTILIZER TYPE B CWT	(630.0200) SEEDING TEMPORARY LB	* (630.0500) SEED WATER MGAL	NOTES
0010	26+25	26+41	RT	13	13	0.01	0.4	1	STAGE 1A
	26+55	26+68	RT	9	9	0.01	0.3	1	STAGE 1A
	34+35	35+92	LT	120	120	0.08	3.2	7	STAGE 1C
	37+03	37+75	LT	31	31	0.02	0.8	2	STAGE 1C
	48+98	49+06	LT	14	14	0.01	0.4	1	STAGE 1C
	49+21	49+29	LT	14	14	0.01	0.4	1	STAGE 1C
	53+50	54+56	LT	70	70	0.04	1.9	4	STAGE 1C
	END OF CROSSOVER		LT	127	127	0.08	3.4	7	STAGE 1C
	UNDISTRIBUTED			102	102	0.09	2.7	8	STAGE 1C
	PROJECT TOTALS			**500**	**500**	**0.35**	**13.5**	**30**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	* (625.0500) SALVAGED TOPSOIL SY	* (628.2006) EROSION MAT URBAN CLASS I TYPE A SY	* (629.0210) FERTILIZER TYPE B CWT	(630.0140) SEEDING MIXTURE NO. 40 LB	* (630.0500) SEED WATER MGAL	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL
0010	9+74	10+01	LT	-	11	11	0.01	0.2	1	-	-
	11+29	11+62	RT	-	30	30	0.02	0.5	2	-	-
	15+75	15+94	RT	-	7	7	0.00	0.1	0	-	-
	17+52	18+29	RT	-	23	23	0.01	0.4	1	-	-
	18+62	19+70	RT	-	58	58	0.04	1.0	3	-	-
	20+06	21+57	RT	-	121	121	0.08	2.2	7	-	-
	20+07	20+92	LT	122	-	122	0.08	2.2	7	-	-
	22+49	24+60	RT	-	172	172	0.11	3.1	10	-	-
	24+23	24+54	LT	-	16	16	0.01	0.3	1	-	-
	25+25	25+46	RT	-	72	72	0.05	1.3	4	-	-
	25+39	25+76	LT	-	30	30	0.02	0.5	2	-	-
	25+42	41+04	RT	-	1,562	1,562	0.98	28.1	88	-	-
	26+25	26+41	RT	-	18	18	0.01	0.3	1	-	-
	26+55	26+68	RT	-	13	13	0.01	0.2	1	-	-
	26+65	37+70	LT	1,079	-	1,079	0.68	19.4	61	-	-
	40+87	41+25	RT	-	33	33	0.02	0.6	2	-	-
	41+20	41+37	LT	-	18	18	0.01	0.3	1	-	-
	41+56	41+69	RT	-	35	35	0.02	0.6	2	-	-
	41+78	42+01	LT	-	19	19	0.01	0.3	1	-	-
	42+13	46+94	RT	-	625	625	0.39	11.3	35	5	0.30
	42+30	42+45	LT	-	12	12	0.01	0.2	1	-	-
	43+73	46+85	LT	274	-	274	0.17	4.9	15	-	-
	47+42	49+07	RT	-	77	77	0.05	1.4	4	-	-
	47+56	53+10	LT	504	-	504	0.32	9.1	29	-	-
	49+19	53+08	RT	-	141	141	0.09	2.5	8	-	-
	53+46	53+70	RT	-	19	19	0.01	0.3	1	-	-
	53+50	END OF CROSSOVER	LT	617	617	617	0.39	11.1	35	-	-
		UNDISTRIBUTED		905	982	1,204	0.95	27.7	88	5	0.20
		CATEGORY 0010 TOTALS		**3,500**	**4,710**	**6,910**	**4.55**	**130.4**	**410**	**10**	**0.50**
0030	0+10'P'	1+40'P'	RT	-	90	90	0.05	1.6	5	-	-
		CATEGORY 0030 TOTALS		**0**	**90**	**90**	**0.05**	**1.6**	**5**	**0**	**0**
		PROJECT TOTALS		**3,500**	**4,800**	**7,000**	**4.59**	**132.0**	**415**	**10**	**0.50**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	(628.1905) MOBILIZATIONS EROSION CONTROL EACH	(628.1910) MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT 5410-00-74	6	2
	PROJECT TOTALS	**6**	**2**

INLET PROTECTION

CATEGORY	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7010) INLET PROTECTION TYPE B EACH	(628.7015) INLET PROTECTION TYPE C EACH
0010	13+79	LT	-	-	1
	13+80	RT	-	-	1
	13+92	RT	-	-	1
	14+10	LT	-	1	-
	15+84	RT	-	-	1
	18+19	RT	-	-	1
	20+19	RT	-	-	1
	20+40	RT	-	-	1
	22+59	LT	-	-	1
	22+59	LT	-	-	1
	22+59	RT	-	-	1
	22+79	RT	-	-	1
	24+24	LT	-	-	1
	24+39	LT	-	-	1
	24+60	LT	-	-	1
	24+69	LT	-	-	1
	24+77	RT	-	-	1
	24+78	RT	-	-	1
	25+43	LT	-	-	1
	25+46	LT	-	-	1
	27+26	LT	-	-	1
	27+28	RT	-	-	1
	27+28	LT	-	-	1
	29+18	RT	-	-	1
	29+23	LT	-	-	1
	29+27	LT	-	-	1
	31+76	LT	-	-	1
	31+77	LT	-	-	1
	31+77	RT	-	-	1
	31+77	RT	-	-	1
	34+73	RT	-	-	1
	35+59	RT	-	-	1
	35+63	RT	-	-	1
	39+69	LT	-	-	1
	41+18	RT	-	-	1
	41+33	LT	-	-	1
	41+77	LT	-	-	1
	42+02	LT	-	-	1
	42+10	RT	-	-	1
	42+11	RT	-	-	1
	42+29	LT	-	-	1
	NORTH OF PROJECT LIMITS		1	-	-
	PROJECT TOTALS		**1**	**1**	**40**

TEMPORARY DITCH CHECKS

CATEGORY	STATION	LOCATION	(628.7504) TEMPORARY DITCH CHECKS LF
0010	38+00	RT	10
	43+50	RT	10
	UNDISTRIBUTED		5
	PROJECT TOTAL		**25**

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	(628.7555) CULVERT PIPE CHECKS EACH	CULVERT PIPE SIZE
0010	34+72	46' RT	6	24" X 38"
	35+60	49' RT	10	34" X 53"
	35+67	44' RT	10	34" X 53"
	42+35	53' RT	5	19" X 30"
	UNDISTRIBUTED		9	
	PROJECT TOTAL		**40**	

TRACKING PADS

CATEGORY	DESCRIPTION	(628.7560) TRACKING PADS EACH
0010	STAGE 2A - BEGIN PROJECT	1
	STAGE 2A - ANDERSON STREET	2
	STAGE 2A - KINSMAN BOULEVARD	2
	STAGE 2A - END PROJECT	1
	PROJECT TOTAL	**6**

MARKERS CULVERT END

CATEGORY	STRUCTURE NO.	STATION	LOCATION	(633.5200) MARKERS CULVERT END EACH
0010	DT 6329-034	34+72.4	46.1' RT	1
	DT 6329-030	35+60.2	49.1' RT	1
	DT 6329-029	35+66.6	43.6' RT	1
	AE 6329-021	39+49.7	43.4' RT	1
	AE 6329-004	40+52.0	49.5' RT	1
	AE 6329-018	42+35.2	52.9' RT	1
		PROJECT TOTAL		**6**

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	EX.4	24+32	LT	1	-	ON TRAFFIC SIGNAL POLE
	EX.5	24+38	LT	1	-	ON TRAFFIC SIGNAL POLE
	EX.9	27+09	LT	1	1	
	EX.10	27+09	RT	1	1	
	EX.13	38+16	LT	1	1	
	EX.14	38+16	LT	1	1	
		PROJECT TOTALS		**6**	**4**	

NOTE: SIGNS AT THE SAME LOCATION ARE COUNTED AS ONE SIGN REMOVAL

MOVING SIGNS

CATEGORY	SIGN NO.	FROM STATION	TO STATION	LOCATION	(638.2102) MOVING SIGNS TYPE II EACH	(638.4000) MOVING SMALL SIGN SUPPORTS EACH
0010	EX.1	20+16	20+16	LT	1	2
	EX.2	20+47	20+47	LT	1	1
	EX.3	21+25	21+28	LT	2	1
	EX.8	25+40	25+46	RT	1	1
	EX.11	35+36	34+50	LT	1	2
	EX.12	37+36	37+36	RT	2	2
	EX.15	44+27	44+27	RT	1	1
	EX.16	45+20	45+20	RT	1	1
	EX.17	45+90	45+90	RT	1	1
	EX.18	46+32	46+32	RT	1	1
	EX.19	46+82	46+82	LT	1	1
	EX.20	47+60	47+60	LT	1	1
		CATEGORY 0010 TOTALS			**14**	**15**
0030	EX.6	0+86'P'	0+86'P'	LT	2	1
	EX.7	1+10'P'	1+10'P'	LT	1	1
		CATEGORY 0030 TOTALS			**3**	**2**
		PROJECT TOTALS			**17**	**17**

TRAFFIC CONTROL

CATEGORY	DESCRIPTION	(643.5000) TRAFFIC CONTROL EACH	DRUMS NO. DEVICES	(643.0300) TRAFFIC CONTROL DRUMS DAY	BARRICADES TYPE III NO. DEVICES	(643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	(643.0500) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	(643.0600) TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	WARNING LIGHTS TYPE C NO. DEVICES	(643.0715) TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	ARROW BOARDS NO. DEVICES	(643.0800) TRAFFIC CONTROL ARROW BOARDS DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	(643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION
0010	ADVANCE WARNING SIGNING	-	-	-	-	-	-	-	-	-	-	-	-	-	59	6,490	5	22.5	110 DAYS
	BASE PATCHING - STAGE 1	-	163	326	10	20	-	-	20	40	36	72	2	4	34	68	-	-	2 DAYS
	BASE PATCHING - STAGE 2	-	186	744	10	40	-	-	20	80	36	144	2	8	35	140	-	-	4 DAYS
	STAGE 1A	-	105	1,050	5	50	-	-	10	100	10	100	1	10	27	270	-	-	10 DAYS
	STAGE 1B	-	98	686	5	35	-	-	10	70	10	70	1	7	25	175	-	-	7 DAYS
	STAGE 1C	-	534	7,476	20	280	-	-	40	560	44	616	3	42	57	798	-	-	14 DAYS
	STAGE 2A	-	391	17,595	41	1,845	127	127	66	2,970	75	3,375	3	135	96	4,320	3	36.0	45 DAYS
	STAGE 2B	-	43	301	20	140	-	-	27	189	-	-	-	-	18	126	4	48.0	7 DAYS
	STAGE 2C	-	53	371	27	189	-	-	39	273	4	28	-	-	24	168	4	42.0	7 DAYS
	STAGE 3	-	570	3,990	23	161	-	-	46	322	44	308	3	21	65	455	-	-	7 DAYS
	STAGE 3B	-	44	308	3	21	-	-	6	42	6	42	1	7	10	70	-	-	7 DAYS
	UNDISTRIBUTED	-	-	3,153	-	319	23	23	-	454	-	545	-	26	-	1,420	-	-	
	PROJECT 5410-00-74	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	PROJECT TOTALS	**1**		**36,000**		**3,100**	**150**	**150**		**5,100**		**5,300**		**260**		**14,500**		**148.5**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL PEDESTRIAN ACCESS AND TEMPORARY BUS STOP PADS

CATEGORY	DESCRIPTION	BARRICADES TYPE II NO. DEVICES	(643.0410) TRAFFIC CONTROL BARRICADES TYPE II DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	(644.1410) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	(644.1430) TEMPORARY PEDESTRIAN SURFACE PLATE SF	(644.1440) TEMPORARY PEDESTRIAN SURFACE MATTING SF	TEMPORARY PEDESTRIAN CURB RAMP NO. DEVICES	(644.1601) TEMPORARY PEDESTRIAN CURB RAMP DAY	(644.1605) TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	(644.1810) TEMPORARY PEDESTRIAN BARRICADE	DURATION
0010	BASE PATCHING	20	120	20	120	20	120	-	-	-	-	-	-	40	6 DAYS
	STAGE 1A	23	230	23	230	31	310	-	-	-	2	20	20	20	10 DAYS
	STAGE 1B	13	91	13	91	21	147	-	-	-	2	14	-	40	7 DAYS
	STAGES 2A-2C	19	855	19	855	27	1,215	-	-	-	2	90	-	40	45 DAYS
	STAGE 2B (ANDERSON ST. SW QUAD)	-	-	-	-	-	-	-	100	100	-	-	20	-	7 DAYS
	STAGE 2B (ANDERSON ST. SE QUAD)	-	-	-	-	-	-	-	100	100	2	14	40	100	7 DAYS
	STAGE 2B (KINSMAN BLVD. SE QUAD)	-	-	-	-	-	-	-	125	125	1	7	10	200	7 DAYS
	STAGE 2C (ANDERSON ST. SE QUAD)	-	-	-	-	-	-	-	-	-	2	14	-	-	7 DAYS
	STAGE 3A (ANDERSON ST. SW QUAD)	17	119	17	119	17	119	-	-	-	-	-	-	40	7 DAYS
	STAGE 3A (ANDERSON ST. NW QUAD)	21	147	21	147	21	147	-	-	-	-	-	-	40	7 DAYS
	STAGE 3B	21	147	21	147	21	147	-	-	-	-	-	-	40	7 DAYS
	UNDISTRIBUTED	-	291	-	291	-	295	100	75	75	-	41	30	-	- DAYS
	PROJECT TOTALS		**2,000**		**2,000**		**2,500**	**100**	**400**	**400**		**200**	**120**	**560**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL COVERING SIGNS TYPE II

CATEGORY	STATION	LOCATION	(643.0920) TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	NO. OF CYCLES	NOTES
0010	USH 51 NB RIGHT TURN ONLY OVERHEAD SIGN		1	1	BASE PATCHING STAGE 2
	E. WASHINGTON AVENUE EB LEFT TURN LANE OVERHEAD SIGN		1	1	STAGES 1C - STAGE 3
	14+49	RT	1	1	STAGES 1C - STAGE 3
	26+55	LT	1	1	STAGES 1C - STAGE 3
	29+01	LT	1	1	STAGES 1C - STAGE 3
	USH 51 SB 45 MPH AHEAD SIGN NEAR LANE CLOSURE TAPER - SHOULDER		1	1	STAGES 1C - STAGE 3
	USH 51 SB 45 MPH AHEAD SIGN NEAR LANE CLOSURE TAPER - MEDIAN		1	1	STAGES 1C - STAGE 3
	25+60	LT	1	1	STAGE 2A
	29+01	LT	1	1	STAGE 2A
	33+70	LT	1	1	STAGE 2A
	42+02	RT	1	1	STAGE 2A
	KINSMAN BOULEVARD EB LANE DESIGNATION SIGN		1	1	STAGE 2B
	KINSMAN BOULEVARD EB LANE DESIGNATION SIGN		1	1	STAGES 3A - STAGE 3B
	PROJECT TOTAL		**13**		

TRAFFIC CONTROL SIGNS PCMS

CATEGORY	LOCATION	DESCRIPTION	SIGNS PCMS NO. DEVICES	(643.1050) TRAFFIC CONTROL SIGNS PCMS DAY
0010	STAGE 1A, USH 51 NB, SOUTH OF PROJECT LIMITS	ADVANCE PROJECT NOTIFICATION	1	7
	STAGE 1A, USH 51 SB, NORTH OF PROJECT LIMITS	ADVANCE PROJECT NOTIFICATION	1	7
	STAGE 2B, USH 51 NB AT KINSMAN BOULEVARD	INTERSECTION CLOSURE NOTIFICATION	1	7
	STAGE 2B, USH 51 SB AT KINSMAN BOULEVARD	INTERSECTION CLOSURE NOTIFICATION	1	7
	STAGE 2C, USH 51 NB AT ANDERSON STREET	INTERSECTION CLOSURE NOTIFICATION	1	7
	STAGE 2C, USH 51 SB AT ANDERSON STREET	INTERSECTION CLOSURE NOTIFICATION	1	7
		PROJECT TOTAL		**42**

PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	(646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	(646.1020) MARKING LINE EPOXY 4-INCH (WHITE) LF	(646.3020) MARKING LINE EPOXY 8-INCH (WHITE) LF	(646.5020) MARKING ARROW EPOXY (TYPE 2, WHITE) EACH	(646.5120) MARKING WORD EPOXY (ONLY, WHITE) EACH	(646.6120) MARKING STOP LINE EPOXY 18-INCH LF	(646.7420) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	(646.8120) MARKING CURB EPOXY LF	(646.8220) MARKING ISLAND NOSE EPOXY EACH
0010	STAGING LANE CLOSURE TAPER		-	316	-	-	-	-	-	-	-
	10+50	PROJECT LIMITS	6,870	5,879	1,935	12	5	185	1,045	70	12
	STAGING LANE CLOSURE TAPER		-	375	-	-	-	-	-	-	-
	SUBTOTALS		**6,870**	**6,570**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	PROJECT TOTALS		**13,440**		**1,935**	**12**	**5**	**185**	**1,045**	**70**	**12**

MARKING REMOVALS

CATEGORY	STATION	TO STATION	LOCATION	(646.9000) MARKING REMOVAL LINE 4-INCH LF	(646.9100) MARKING REMOVAL LINE 8-INCH LF	(646.9200) MARKING REMOVAL LINE WIDE LF	(646.9300) MARKING REMOVAL SPECIAL MARKING EACH	NOTES
0010	30+37	32+07	LT	37.5	-	-	-	STAGE 1A, SKIP DASH
	34+55	37+00	LT	75	-	-	-	STAGE 1A, SKIP DASH
		LANE CLOSURE TAPER		137.5	-	-	-	STAGE 1C, SKIP DASH
		LEFT TURN LANE OPENING		25	-	-	-	STAGE 1C, SKIP DASH
	14+25	18+25	RT	400	-	-	-	STAGE 1C, SOLD EDGELINE
	17+10	-	LT	-	-	-	1	STAGE 1C, TYPE 2 ARROW
	17+39	-	LT	-	-	-	1	STAGE 1C, ONLY
	19+56	-	LT	-	-	-	1	STAGE 1C, TYPE 2 ARROW
	19+84	-	LT	-	-	-	1	STAGE 1C, ONLY
	22+41	22+56	RT	115	-	-	-	STAGE 1C, SOLID EDGELINE TAPER
	23+63	-	RT	-	-	-	1	STAGE 1C, ONLY
	24+07	-	RT	-	-	-	1	STAGE 1C, TYPE 2 ARROW
	24+72	25+27	RT	-	102	-	-	STAGE 1C, CROSSWALK
	25+02	25+22	RT	-	-	20	-	STAGE 1C, STOP LINE
	25+02	25+02	RT	10	-	-	-	STAGE 1C, DOUBLE YELLOW CENTERLINE
	25+30	25+41	RT & LT	-	-	126	-	STAGE 1C, CONTINENTAL CROSSWALK
	28+89	29+89	LT	25	-	-	-	STAGE 1C, SKIP DASH
	34+57	36+78	LT	221	-	-	-	STAGE 1C, SOLID EDGELINE
	36+00	36+78	RT	25	-	-	-	STAGE 1C, SKIP DASH
	36+07	37+50	LT	143	-	-	-	STAGE 1C, SOLID EDGELINE
	44+68	45+48	LT	12.5	-	-	-	STAGE 1C, SKIP DASH
	53+38	CROSSOVER LIMITS	LT	203	-	-	-	STAGE 1C, SOLID EDGELINE
	54+56	CROSSOVER LIMITS	ONLINE	250	-	-	-	STAGE 1C, SOLID EDGELINE
		LANE CLOSURE TAPER		137.5	-	-	-	STAGE 1C, SKIP DASH
	13+50	45+45	RT	25	-	-	-	STAGE 2A, SKIP DASH
	14+21	15+51	LT	130	-	-	-	STAGE 2A, SOLID EDGELINE
	27+85	28+93	LT	25	-	-	-	STAGE 2A, SKIP DASH
	43+90	44+91	LT	25	-	-	-	STAGE 2A, SKIP DASH
	24+75	25+55	LT	-	-	198	-	PERMANENT PAVEMENT MARKINGS
	41+37	41+75	LT	-	75	-	-	PERMANENT PAVEMENT MARKINGS
	42+02	42+32	LT	-	57	-	-	PERMANENT PAVEMENT MARKINGS
		UNDISTRIBUTED		228	26	16	1	
		PROJECT TOTALS		**2,250**	**260**	**360**	**7**	

3

TEMPORARY PAVEMENT MARKINGS (TAPE)

CATEGORY	STATION	TO STATION	LOCATION	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	(643.3250) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	(643.3550) TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 1, WHITE) EACH	(643.3550) TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE) EACH	(643.3650) TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE) EACH	(643.3850) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	NOTES
0010	21+41	22+56	RT	-	115	-	-	-	-	-	STAGE 1A
	ANDERSON STREET EB		LT	-	-	213	-	-	-	-	STAGE 1A
	26+37	26+64	RT	-	70	-	-	-	-	-	STAGE 1A, N. STOUGHTON SERVICE ROAD CROSSWALK
	28+17	30+37	LT	-	-	441	-	-	-	-	STAGE 1A
	30+37	32+07	LT	-	172	-	-	-	-	-	STAGE 1A
	34+55	37+00	LT	-	245	-	-	-	-	-	STAGE 1A
	20+47	21+21	LT & ONLINE	-	-	113	-	-	-	-	STAGE 1B
	24+60	24+68	LT & RT	-	199	-	-	-	-	-	STAGE 1B, USH 51 CROSSWALK
	LANE CLOSURE TAPER TO LEFT TURN LANE			932	-	-	-	-	-	-	STAGE 1C
	LEFT TURN LANE CHANNELIZATION			-	-	431	-	-	-	-	STAGE 1C
	E. WASHINGTON AVENUE EB DUAL LEFT TURN LANE			450	-	-	-	-	-	-	STAGE 1C
	24+41	25+04	RT & LT	22	-	-	-	-	-	-	STAGE 1C, 2' LINE, 6' GAP
	24+75	25+27	RT	-	99	-	-	-	-	-	STAGE 1C, N. STOUGHTON SERVICE ROAD CROSSWALK
	25+03	25+24	RT	-	-	-	-	-	-	21	STAGE 1C
	25+37	25+43	LT & RT	-	120	-	-	-	-	-	STAGE 1C, USH 51 CROSSWALK
	27+85	28+89	LT	-	-	208	-	-	-	-	STAGE 1C
	29+05	29+89	LT	84	-	-	-	-	-	-	STAGE 1C
	36+00	37+28	RT & LT	130	-	-	-	-	-	-	STAGE 1C
	36+78	37+28	RT	-	-	100	-	-	-	-	STAGE 1C
	43+90	44+68	LT	-	-	157	-	-	-	-	STAGE 1C
	44+68	45+48	LT	80	-	-	-	-	-	-	STAGE 1C
	55+01	LANE CLOSURE TAPER	LT	1,612	-	-	-	-	-	-	STAGE 1C
	13+50	21+30	RT & LT	-	782	-	-	-	-	-	STAGE 2A
	14+21	21+12	LT	693	-	-	-	-	-	-	STAGE 2A
	17+73	19+00	LT	-	-	33	-	-	-	-	STAGE 2A, 3' LINE, 9' GAP
	19+00	24+32	LT	-	-	532	-	-	-	-	STAGE 2A
	19+25	-	LT	-	-	-	1	1	-	-	STAGE 2A
	24+32	25+37	LT	-	24	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP
	24+32	25+37	LT	24	-	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP
	24+99	25+37	LT	18	-	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP
	25+46	27+85	LT	-	-	239	-	-	-	-	STAGE 2A
	25+71	-	LT	-	-	-	-	1	-	-	STAGE 2A
	26+10	-	LT	-	-	-	-	-	1	-	STAGE 2A
	26+65	41+09	LT	2,890	-	-	-	-	-	-	STAGE 2A
	27+60	-	LT	-	-	-	-	1	-	-	STAGE 2A
	25+46	37+28	LT	-	1,185	-	-	-	-	-	STAGE 2A
	34+78	36+04	LT	-	-	30	-	-	-	-	STAGE 2A, 3' LINE, 9' GAP
	36+04	37+28	LT	-	-	226	-	-	-	-	STAGE 2A
	36+29	-	LT	-	-	-	-	1	-	-	STAGE 2A
	37+04	41+09	LT	-	405	-	-	-	-	-	STAGE 2A
	37+28	41+08	LT	-	380	-	-	-	-	-	STAGE 2A
	40+45	-	LT	-	-	-	-	-	1	-	STAGE 2A
	40+85	-	LT	-	-	-	-	1	-	-	STAGE 2A
	41+09	-	LT	-	-	-	-	-	-	12	STAGE 2A
	41+17	42+27	LT	-	28	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP

(CONTINUED ON NEXT SHEET)

TEMPORARY PAVEMENT MARKINGS (TAPE) (CONTINUED)

CATEGORY	STATION	TO STATION	LOCATION	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	(643.3250) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	(643.3550) TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 1, WHITE) EACH	(643.3550) TEMPORARY MARKING ARROW REMOVABLE TAPE (TYPE 2, WHITE) EACH	(643.3650) TEMPORARY MARKING WORD REMOVABLE TAPE (ONLY, WHITE) EACH	(643.3850) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	NOTES
0010	41+25	42+27	LT	26	-	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP
	41+75	42+27	LT	20	-	-	-	-	-	-	STAGE 2A, 2' LINE, 6' GAP
	42+27	55+01	LT	2,550	-	-	-	-	-	-	STAGE 2A
	42+27	53+38	LT	-	1,320	-	-	-	-	-	STAGE 2A
	42+27	43+90	LT	-	-	163	-	-	-	-	STAGE 2A
	42+50	-	LT	-	-	-	-	-	-	12	STAGE 2A
	42+74	-	LT	-	-	-	-	1	-	-	STAGE 2A
	43+14	-	LT	-	-	-	-	-	1	-	STAGE 2A
	43+74	-	LT	-	-	-	-	1	-	-	STAGE 2A
	53+38	END OF CROSSOVER	LT	368	-	-	-	-	-	-	STAGE 2A
	53+38	END OF CROSSOVER	LT & RT	-	209	330	-	-	-	-	STAGE 2A
	ANDERSON STREET EB		LT	-	135	-	-	-	-	-	STAGE 2B
	KINSMAN BOULEVARD EB		LT	-	-	236	-	-	-	-	STAGE 2B
	24+81	-	LT	-	-	-	-	1	-	-	STAGE 2C
	24+81	-	LT	-	-	-	-	1	-	-	STAGE 2C
	20+48	20+98	RT	-	-	88	-	-	-	-	STAGE 3
	27+85	28+89	LT	-	-	208	-	-	-	-	STAGE 3
	29+05	29+89	LT	84	-	-	-	-	-	-	STAGE 3
	37+28	37+78	RT	50	-	-	-	-	-	-	STAGE 3
	37+78	41+06	RT	-	-	329	-	-	-	-	STAGE 3
	38+04	-	RT	-	-	-	-	1	-	-	STAGE 3
	40+41	-	RT	-	-	-	-	-	1	-	STAGE 3
	40+81	-	RT	-	-	-	-	1	-	-	STAGE 3
	43+90	44+68	LT	-	-	157	-	-	-	-	STAGE 3
	KINSMAN BOULEVARD EB		LT	-	125	-	-	-	-	-	STAGE 3B
	44+68	45+48	LT	80	-	-	-	-	-	-	STAGE3
	UNDISTRIBUTED			1,087	687	466	1	1	1	5	
	SUBTOTALS			**11,200**	**6,300**	**-**	**2**	**12**	**-**	**-**	
	PROJECT TOTALS			**17,500**		**4,700**	**14**		**5**	**50**	

TEMPORARY PAVEMENT MARKINGS (PAINT)

CATEGORY	STATION	TO STATION	LOCATION	(643.3105) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	(643.3205) TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) LF	(643.3505) TEMPORARY MARKING ARROW PAINT (TYPE 2, WHITE) EACH	(643.3605) TEMPORARY MARKING WORD PAINT (ONLY, WHITE) EACH	NOTES
0010	17+25	19+00	RT	175	-	-	-	STAGE 1C
	18+25	22+55	RT	-	430	-	-	STAGE 1C
	18+48	-	RT	-	-	1	-	STAGE 1C
	23+77	-	RT	-	-	-	1	STAGE 1C
	24+16	-	RT	-	-	1	-	STAGE 1C
	PROJECT TOTALS			**175**	**430**	**2**	**1**	

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TEMPORARY MARKING REMOVABLE MASK OUT TAPE

CATEGORY	STATION	TO STATION	LOCATION	(643.3960) TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	(643.3970) TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF	NOTES
0010	21+41	22+56	RT	115	-	STAGE 1A, EDGELINE TAPER
	24+93	-	LT	-	64	STAGE 1A, TYPE 2 ARROW
	24+93	-	LT	-	56	STAGE 1A, ONLY
	24+93	-	LT	-	64	STAGE 1A, TYPE 2 ARROW
	25+46	-	LT	-	24	STAGE 2A, STOP LINE
	25+71	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	26+10	-	LT	-	56	STAGE 2A, ONLY
	26+50	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	39+62	-	LT	-	56	STAGE 2A, ONLY
	40+02	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	40+42	-	LT	-	56	STAGE 2A, ONLY
	40+82	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	41+84	-	RT	-	56	STAGE 2A, ONLY
	41+86	-	RT	-	38	STAGE 2A, TYPE 1 ARROW
	42+27	-	LT	-	48	STAGE 2A, STOP LINE
	42+51	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	42+91	-	LT	-	56	STAGE 2A, ONLY
	43+31	-	LT	-	64	STAGE 2A, TYPE 2 ARROW
	24+81	-	LT	-	38	STAGE 2B, TYPE 1 ARROW
	24+81	-	LT	-	56	STAGE 2B, ONLY
	24+81	-	LT	-	38	STAGE 2B, TYPE 1 ARROW
	41+71	-	RT	-	56	STAGE 2C, ONLY
	41+75	-	RT	-	64	STAGE 2C, TYPE 2 ARROW
	41+59	-	LT	-	38	STAGE 3, TYPE 1 ARROW
	41+61	-	LT	-	56	STAGE 3, ONLY
	41+64	-	LT	-	38	STAGE 3, TYPE 1 ARROW
	KINSMAN BOULEVARD EB		LT	30	-	STAGE 3B, SKIP DASH
	UNDISTRIBUTED			105	158	
	PROJECT TOTALS			**250**	**1,500**	

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.5000) BASE LF	(650.7000) CONCRETE PAVEMENT LF	(650.8501.01) ELECTRICAL INSTALLATIONS EACH	(650.9911.01) SUPPLEMENTAL CONTROL EACH	(650.9920) SLOPE STAKES LF
0010	14+28	20+19	LT	591	-	-	-	-
	14+45	24+48	RT	-	1,003	-	-	1,003
	19+77	24+48	LT	-	471	-	-	-
	24+48	25+50	RT	-	102	-	-	-
	25+50	40+92	RT & LT	-	1,542	-	-	1,542
	32+10	40+57	RT	847	-	-	-	-
	34+74	37+50	LT	-	276	-	-	-
	40+92	42+47	RT	-	155	-	-	-
	42+47	52+84	RT	1,037	-	-	-	-
	42+47	53+67	RT & LT	-	1,120	-	-	1,120
	PROJECT 5410-00-74			-	-	1	1	-
	CATEGORY 0010 TOTALS			**2,475**	**4,669**	**1**	**1**	**3,665**
0030	0+10'P'	1+40'P'	RT	130	-	-	-	130
	CATEGORY 0030 TOTALS			**130**	**0**	**0**	**0**	**130**
	PROJECT TOTALS			**2,605**	**4,669**	**1**	**1**	**3,795**

CONDUIT

CATEGORY	FROM	TO	(652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0700.S) INSTALL CONDUIT INTO EXISTING ITEM EACH	
USH 51 & ANDERSON STREET					
0010	SB1	EXPB1	11	-	CONNECT TO EXISTING CONDUIT WITH EXPB1
	SB4	EXPB6	9	-	CONNECT TO EXISTING CONDUIT WITH EXPB6
	SB13	EXPB20	12	-	CONNECT TO EXISTING CONDUIT WITH EXPB20
	SB19	EXPB6	25	1	
	PB27	EXSB11	9	-	CONNECT TO EXISTING CONDUIT WITH EXSB11
	PB27	EXSB12	3	-	CONNECT TO EXISTING CONDUIT WITH EXSB12
	PROJECT TOTALS		**69**	**1**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PULL BOXES

CATEGORY	NUMBER	STATION	LOCATION	(653.0140) PULL BOXES STEEL 24x42-INCH EACH	(653.0905) REMOVING PULL BOXES EACH
USH 51 & ANDERSON STREET					
0010	EXPB27	24+42.4	64' LT	-	1
	PB27	25+43.8	65' LT	1	-
	PROJECT TOTALS			**1**	**1**

CONCRETE BASES

CATEGORY	NUMBER	STATION	LOCATION	(204.0195) REMOVING CONCRETE BASES EACH	(654.0101) CONCRETE BASES TYPE 1 EACH
USH 51 & ANDERSON STREET					
0010	EXSB1	25+38	53.0' RT	1	-
	EXSB4	24+64	57.8' RT	1	-
	EXSB13	25+50	94.9' LT	1	-
	SB1	25+43	52.3' RT	-	1
	SB4	24+69	52.3' RT	-	1
	SB13	25+54	95.8' LT	-	1
	SB19	25+59	50.0' RT	-	1
	PROJECT TOTALS			**3**	**4**

LOOP DETECTORS

CATEGORY	LOOP NUMBER	STATION	OFFSET	SIZE	NUMBER OF TURNS	(652.0800) CONDUIT LOOP DETECTOR LF	(655.0700) LOOP DETECTOR LEAD IN CABLE LF	(655.0800) LOOP DETECTOR WIRE LF	* (652.0700.S) INSTALL CONDUIT INTO EXISTING ITEM EACH
USH 51 & ANDERSON STREET									
0010	11			6'x20'	3	60	214	180	-
	12			6'x20'	4	88	214	352	-
	13			6'x6'	5	60	367	300	-
	14			6'x6'	6	38	367	228	-
	61			6'x20'	3	84	319	252	-
	62			6'x20'	4	90	471	360	-
	63			6'x6'	5	42	319	210	-
	64			6'x20'	2	72	171	144	2
	81			6'x6'	2	42	30	84	2
	82			6'x6'	3	60	30	180	2
	85			6'x20'	3	72	30	216	2
	86			6'x20'	2	90	30	180	2
USH 51 & KINSMAN BOULEVARD									
	61			6'X20'	3	60	209	282	-
	62			6'x20'	4	94	429	376	-
	PROJECT TOTALS					**952**	**3,200**	**3,344**	**10**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CABLE TRAFFIC SIGNAL

CATEGORY	FROM	TO	(655.0210) CABLE TRAFFIC SIGNAL 3-14 AWG LF	(655.0240) CABLE TRAFFIC SIGNAL 7-14 AWG LF
USH 51 & ANDERSON STREET				
0010	CB1	EXSB9	-	469
	EXSB9	HEAD 11	-	40
	EXSB9	PED HEAD 89	18	-
	EXSB9	PED BUTTON	6	-
	EXSB12	PED BUTTON	6	-
	CB1	SB19	-	267
	SB19	PED HEAD 88	18	-
	SB19	PED BUTTON	6	-
	PROJECT TOTALS		**54**	**776**

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	(655.0515) ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG GROUNDING CONDUCTOR (WHITE) LF	(655.0515) ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG EQUIPMENT GROUNDING CONDUCTOR (GREEN) LF
USH 51 & ANDERSON STREET				
0010	CB1	SB1	45	45
	SB1	EXSB2	78	78
	EXSB3	SB4	138	138
	SB4	SB19	80	80
	SB19	EXSB5	48	48
	EXSB10	SB13	112	112
	SB13	EXSB14	89	89
	EXSB12	PB27	-	3
	SUBTOTAL		**590**	**593**
	PROJECT TOTAL			**1,183**

TRAFFIC SIGNAL HEADS

CATEGORY	SIGNAL BASE NUMBER	HEAD NUMBER	(658.0416) PEDESTRIAN SIGNAL FACE 16-INCH EACH	(658.0500) PEDESTRIAN PUSH BUTTONS EACH
USH 51 & ANDERSON STREET				
0010	EXSB9	89	1	-
		B	-	1
	EXSB12	B	-	1
	SB19	88	1	-
		B	-	1
	PROJECT TOTALS		**2**	**3**

TRAFFIC SIGNAL ITEMS

CATEGORY	SIGNAL BASE NUMBER	(657.0100) PEDESTAL BASES EACH	(657.0430) TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH
USH 51 & ANDERSON STREET			
0010	SB19	1	1
	PROJECT TOTALS	**1**	**1**

TRAFFIC SIGNAL MODIFICATIONS

CATEGORY	DESCRIPTION	(SPV.0060.03) REMOVE, SALVAGE, & REINSTALL TRAFFIC SIGNAL EQUIPMENT (USH 51 & ANDERSON ST) EACH	(658.5070.01) SIGNAL MOUNTING HARDWARE EACH
USH 51 & ANDERSON STREET			
0010	USH 51 & ANDERSON STREET	1	1
	PROJECT TOTALS	**1**	**1**

SAWING

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF	NOTES
0010	9+77	9+81	LT	-	5	SIDEWALK (BASE PATCHING STAGES)
	9+80	9+98	LT	-	25	CURB & GUTTER (BASE PATCHING STAGES)
	10+01	10+01	LT	-	5	SIDEWALK (BASE PATCHING STAGES)
	10+42	11+15	RT	-	160	PAVEMENT (BASE PATCHING STAGE 1)
	10+51	11+61	RT	-	174	PAVEMENT, ISLAND AND CURB & GUTTER (BASE PATCHING STAGE 2)
	11+33	11+38	RT	-	5	SIDEWALK (BASE PATCHING STAGE 2)
	11+53	11+55	RT	-	5	SIDEWALK (BASE PATCHING STAGE 2)
	14+45	15+75	RT & LT	-	163	PAVEMENT AND CURB & GUTTER (STAGE 2A)
	15+94	17+52	RT	164	-	DRIVEWAY/PARKING LOT (STAGE 2A)
	18+27	18+64	RT	41	-	DRIVEWAY/PARKING LOT (STAGE 2A)
	19+70	20+06	RT	-	36	DRIVEWAY APRON (STAGE 2A)
	19+77	24+48	LT & RT	-	475	PAVEMENT AND CURB & GUTTER (STAGE 1C)
	20+18	20+18	LT	-	2.5	CURB & GUTTER (STAGE 1C)
	21+12	24+48	LT	-	338	PAVEMENT AND CURB & GUTTER (STAGE 1C)
	21+12	21+12	LT	-	3	SIDEWALK (STAGE 1C)
	24+48	24+48	LT	-	28	PAVEMENT FOR TURN LANES (STAGE 1C)
	24+48	24+48	RT	-	32	PAVEMENT FOR NB TRAVEL LANES (STAGE 2A)
	21+57	22+49	RT	-	92	DRIVEWAY APRONS (STAGE 2A)
	24+29	24+29	RT	-	5	SIDEWALK (STAGE 1A)
	24+48	24+81	RT	-	67	PAVEMENT AND CURB & GUTTER (STAGE 1A)
	24+48	25+50	ONLINE	-	102	PAVEMENT (STAGE 2B)
	24+81	25+25	RT	44	-	HMA PAVEMENT (STAGE 2C)
	24+24	24+27	LT	-	5	SIDEWALK (STAGE 3)
	24+34	24+41	LT	10	-	MULTI-USE PATH (STAGE 3)
	24+38	24+53	LT	-	25	CURB & GUTTER (STAGE 3)
	24+42	24+75	LT (ISLAND)	-	100	CURB & GUTTER (STAGE 1A)
	25+21	25+50	RT	10	57	PAVEMENT AND CURB & GUTTER (STAGE 1B)
	25+30	25+52	LT (ISLAND)	-	66	CURB & GUTTER (STAGE 1B)
	25+46	25+51	RT	-	5	SIDEWALK (STAGE 1B)
	25+46	25+60	LT	-	24	CURB & GUTTER (STAGE 3)
	25+48	25+53	LT	-	5	SIDEWALK (STAGE 3)
	25+50	25+50	RT	-	35	PAVEMENT (STAGE 2A)
	25+50	26+65	ONLINE & LT	-	118	PAVEMENT AND CURB & GUTTER (STAGE 2A)
	25+73	25+75	LT	-	5	SIDEWALK (STAGE 3)
	26+34	26+36	RT	-	2.5	CURB & GUTTER (STAGE 1A)
	26+42	26+44	RT	-	2.5	CURB & GUTTER (STAGE 1A)
	26+57	26+59	RT	-	2.5	CURB & GUTTER (STAGE 1A)
	26+63	26+65	RT	-	2.5	CURB & GUTTER (STAGE 1A)
	34+57	37+03	LT	-	251	CURB & GUTTER (STAGE 1C)
	34+74	37+50	LT	-	282	CURB & GUTTER (STAGE 1C)
	35+40	37+50	ONLINE	-	210	PAVEMENT (STAGE 3)
	37+50	37+50	LT	-	12	PAVEMENT (STAGE 3)
	37+50	40+92	ONLINE	-	342	PAVEMENT (STAGE 2A)
	40+87	40+87	RT	-	5	SIDEWALK (STAGE 2A)
	40+92	40+92	RT	-	40	PAVEMENT (STAGE 2B)
	40+92	42+47	ONLINE	-	155	PAVEMENT (STAGE 2B)
	41+08	41+11	RT	-	5	SIDEWALK (STAGE 2A)
	41+11	41+25	LT	-	45	CURB & GUTTER (STAGE 3B)
	41+11	41+11	LT	-	7	SIDEWALK (STAGE 3B)
	41+22	41+26	LT		5	SIDEWALK (STAGE 3B)
	41+25	41+30	LT	-	5	SIDEWALK (STAGE 3B)
	41+25	41+28	RT	-	3	CURB & GUTTER (STAGE 2B)
	41+29	41+54	RT	25	-	HMA PAVEMENT (STAGE 2B)
	41+33	41+39	LT	-	21	CURB & GUTTER (STAGE 3B)
	41+51	41+72	RT	-	78	CURB & GUTTER (STAGE 2A)

(CONTINUED)

SAWING (CONTINUED)

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF	NOTES
0010	41+72	42+15	RT	-	65	PAVEMENT AND CURB & GUTTER (STAGE 2B)
	41+75	41+78	LT	-	21	CURB & GUTTER (STAGE 3A)
	41+99	42+03	LT	-	21	CURB & GUTTER (STAGE 3A)
	42+28	42+36	LT	-	21	CURB & GUTTER (STAGE 3B)
	42+38	42+43	LT	-	5	SIDEWALK (STAGE 3B)
	42+47	42+47	RT	-	34	PAVEMENT (STAGE 2B)
	42+47	43+83	ONLINE & LT	-	139	PAVEMENT (STAGE 2A)
	46+81	47+60	LT	-	81	PAVEMENT AND CURB & GUTTER (STAGE 2A)
	46+94	47+45	RT	50	-	DRIVEWAY (STAGE 2A)
	49+06	49+21	LT	-	20	CURB & GUTTER (STAGE 1C)
	49+06	49+21	LT	-	20	CURB & GUTTER (STAGE 1C)
	52+59	53+67	LT & ONLINE	-	110	PAVEMENT AND CURB & GUTTER (STAGE 2A)
	53+08	53+11	RT	-	2.5	CURB & GUTTER (STAGE 2A)
	53+11	53+43	RT	32	-	HMA PAVEMENT (STAGE 2A)
	53+43	53+46	RT	-	2.5	CURB & GUTTER (STAGE 2A)
	53+53	END OF CROSSOVER	LT	-	221	CURB & GUTTER (STAGE 1C)
	53+67	53+67	RT	-	26	PAVEMENT (STAGE 2A)
	53+67	53+70	RT	9	-	HMA SHOULDER (STAGE 2A)
	53+70	53+70	RT	-	2.5	CURB & GUTTER (STAGE 2A)
	54+56	END OF CROSSOVER	LT & ONLINE	-	258	CURB & GUTTER (STAGE 1C)
		UNDISTRIBUTED		56	296	
		CATEGORY 0010 TOTALS		**441**	**4,989**	
0030	1+40'P'	1+45'P'	RT	-	9.5	DRIVEWAY APRON/SIDEWALK (STAGE 1A)
	1+40'P'	1+42'P'	RT	-	1.5	CURB & GUTTER (STAGE 1A)
	1+42'P'	1+45'P'	RT	9	-	DRIVEWAY/PARKING LOT (STAGE 1A)
		CATEGORY 0030 TOTALS		**9**	**11**	
		PROJECT TOTALS		**450**	**5,000**	

TRANSPORTATION PROJECT PLAT NO: 5410-00-24 - 4.01

PART OF LOT 1 OF CSM NO. 13313 RECORDED AS DOCUMENT NO. 4888795 AND PART OF OUTLOT 122 BURKE ASSESSOR'S PLAT NO.1 LOCATED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 33, PART OF THE THE SW 1/4 OF THE SW 1/4 OF SECTION 28 ALL LOCATED IN T8N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

RELOCATION ORDER: USH 51 MADISON-DEFOREST, (USH 151 TO PIERSTORFF STREET), DANE COUNTY, WISCONSIN

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

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.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 5992-05-01, CSM NO. 337, CSM NO. 13313, BIRRENKOTT ALTA SURVEY AND SCHNEEBERGER PLAT OF SURVEY

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

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011) IN US 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 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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 ACCESS CONTROL ALONG USH 51 HAS BEEN ESTABLISHED BY THE STATE HIGHWAY COMMISSION OF WISCONSIN AND RECORDED IN VOLUME 289, PAGE 387 AS DOCUMENT NO. 914742 AND AS SHOWN ON PREVIOUS PROJECT CA 05-1(2).

SCALE, FEET 0 20 40

GN

PROJECT LOCATION (NOT TO SCALE)
R-10-E
T-8-N
MADISON
SHEET LOCATION

CURVE	LENGTH	RADIUS	DELTA	CHORD DISTANCE	CHORD BEARING
101-102	82.75'	56.90'	83°19'42" LT	75.65'	N44°14'49"W
103-104	42.85'	135.00'	18°11'10" LT	42.67'	N78°53'21"E
104-105	32.77'	35.00'	53°39'09" LT	31.59'	N42°58'46"E
111-112	55.36'	114.00'	27°49'29" RT	54.82'	S74°26'59"W
113-114	23.00'	18.00'	73°13'21" LT	21.47'	S34°20'59"W
101-TP1	76.84'	56.90'	77°22'13" LT	71.13	N41°16'05"W
TP1-102	5.92	56.90'	05°57'29" LT	5.91	N82°55'56"W
103-TP2	30.72'	135.00'	13°02'12" LT	30.65'	N81°27'50"E
TP2-104	12.13'	135.00'	05°08'57" LT	12.13'	N72°22'15"E

ALIGNMENT INFORMATION

DA = N02°02'40"W

PI = STA 24+45.83
Y = 499,693.350
X = 836,995.670
Δ = 00°03'08"LT

DA = N02°05'48"W

PI = STA 25+42.03
Y = 499,789.491
X = 836,992.150
Δ = 00°00'01"RT

DA = N02°05'47"W

RW POINT	STATION	OFFSET
100	23+88.89	0.00' LT
101	23+88.89	87.20' LT
102	24+44.93	138.02' LT
103	25+44.38	158.44' LT
104	25+51.07	116.29' LT
105	25+73.37	93.93' LT
106	26+15.57	77.12' LT
107	26+59.69	0.00' LT
108	27+15.42	97.41' RT
109	25+56.80	233.25' RT
110	24+71.80	154.16' RT
111	24+72.99	135.48' RT
112	24+60.24	82.16' RT
113	24+54.68	63.91' RT
114	24+37.46	51.16' RT
115	24+31.94	51.18' RT
116	24+28.00	50.51' RT
117	24+28.00	49.78' RT
118	23+88.89	49.80' RT
TP1	24+43.99	132.18' LT
TP2	25+47.82	127.98' LT

TLE POINT	STATION	OFFSET
T1	24+18.32	95.73' LT
T2	24+15.69	99.98' LT
T3	24+33.63	118.73' LT
T4	24+37.99	116.29' LT
T5	25+52.71	112.20' LT
T6	25+57.24	114.33' LT
T7	25+75.08	98.63' LT
T8	25+77.38	97.71' LT
T9	25+75.53	93.07' LT
T10	24+71.29	154.60' RT
T11	24+68.06	124.62' RT
T12	24+62.51	105.76' RT
T13	24+55.54	74.94' RT
T14	24+51.89	65.15' RT
T15	24+41.97	54.99' RT

KRISTI CHLEBOWSKI
DANE COUNTY
REGISTER OF DEEDS

DOCUMENT #
5703017
03/10/2021 07:44 AM
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 5410-00-24 - 4.01
SHEET 1 OF 2
AMENDMENT NO:___

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED	EASEMENT AFFECTING
80	MADISON GAS & ELECTRIC (GAS)	2	RELEASE OF RIGHTS	NO EASEMENT OF RECORD
81	MADISON GAS & ELECTRIC (ELECTRIC)	1	RELEASE OF RIGHTS	DOCUMENT NO. 1913284
82	CITY OF MADISON (SANITARY)	1	RELEASE OF RIGHTS	PARCEL 1 - PER CSM #10236 RECORDED AS DOCUMENT #3400988
83	CITY OF MADISON (WATER)	1	RELEASE OF RIGHTS	PARCEL 1 - DOCUMENT NO. 5208739 & CORRECTED BY NO. 5212130 PARCEL 1 - PER CSM #10236 RECORDED AS DOCUMENT #3400988
84	LUMEN	2	RELEASE OF RIGHTS	NO EASEMENT OF RECORD

LINE	BEARING	DISTANCE
105-106	N19°36'49"E	45.42'
110-111	N88°26'27"W	18.72'
112-113	S70°58'27"W	19.08'
114-115	S02°15'41"E	5.51'
115-116	S07°36'35"W	4.00'
116-117	S87°57'20"W	0.73'
117-118	S02°04'07"E	39.11'

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 SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
1	DANE COUNTY AS LESSOR AND MADISON AREA TECHNICAL COLLEGE AS LESSEE	TLE	--	--	--	282
2	KWIK TRIP, INC	FEE/TLE	188	--	188	223

CITY

SCHNEEBERGER PLAT OF SURVEY 11/23/2005

FOUND BRASS DISK
Y = 502,377.717
X = 836,859.874

TLE - GRADING 144 SQ. FT.

SW CORNER OF SECTION 28 TO W 1/4 CORNER OF SECTION 28 N00°05'32"W 2652.90'
TP2 TO W 1/4 CORNER OF SECTION 28 N00°05'32"W 2587.13'

SW CORNER OF SECTION 28 TO TP2 N00°05'32"W 65.77'

5992-5-01 REFERENCE LINE

SE-SE
NE-NE
ANDERSON STREET

FOUND BRASS DISK
Y = 499,724.818
X = 836,864.150

TP1 TO NW 1/4 OF SECTION 33 N00°46'06"E 38.02'

LOT 1
CSM #13313
V.86, PG.74
DOC #4888795

TLE - GRADING 138 SQ. FT.

BUILDING

W 1/4 CORNER OF SECTION 33 TO NW 1/4 OF SECTION 33 N00°46'06"E 2646.05'
W 1/4 CORNER OF SECTION 33 TO TP1 N00°46'06"E 2608.03'

FOUND BRASS DISK
Y = 497,079.002
X = 836,828.665

N58°07'56"E 112.22'
N58°07'56"E 88.85'
N13°42'45"W 101.40'

PI: 25+42.03
PI: 24+45.83

SE CORNER TO RW POINT 110 N89°58'27"E 284.63'

24+77.37

SECTION LINE AND EXISTING RIGHT-OF-WAY ARE NOT THE SAME LINE

5992-5-01 REFERENCE LINE

S87°57'20"W 87.20'
S87°57'20"W 49.80'

105'
32'

OUTLOT 122 BURKE ASSESSOR'S PLAT NO.1

BIRRENKOTT ALTA SURVEY 09/27/2017

RASMUSSEN PLAT OF SURVEY 06/03/1987

USH 51 (STOUGHTON ROAD)

S42°40'21"E 208.83'

LOT 2
CSM #337
V.2, PG.94
DOC #1264730

S40°50'16"W 116.10'

TLE - GRADING 60 SQ. FT.

TLE - GRADING 163 SQ. FT.

FUEL ISLAND CANOPY

28.9'

PRIVATE CURB AND GUTTER AND FUEL SYSTEM PIPES WITHIN THE TLE AREA WILL NOT BE IMPACTED BY CONSTRUCTION

LEASE AREA BETWEEN CITY OF MADISON AND KWIK TRIP, INC. DOCUMENT #2029641 AND ASSIGNMENT OF LEASE DOCUMENT #5364302

FOUND BRASS DISK
Y = 499,726.000
X = 839,495.941

SE CORNER TO S 1/4 OF SECTION 28 N89°58'27"E 2631.79'

RW POINT 110 TO S 1/4 OF SECTION 28 N89°58'27"E 2347.16'

LIEN ROAD

MENDOTA STREET

MADISON

BUILDING

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com
© MSA Professional Services, Inc

I, BRADLEY L. TISDALE, 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 WISCONSIN 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: _____ DATE: 03/03/21
PRINT NAME: BRADLEY L. TISDALE
REGISTRATION NUMBER: S-2824

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

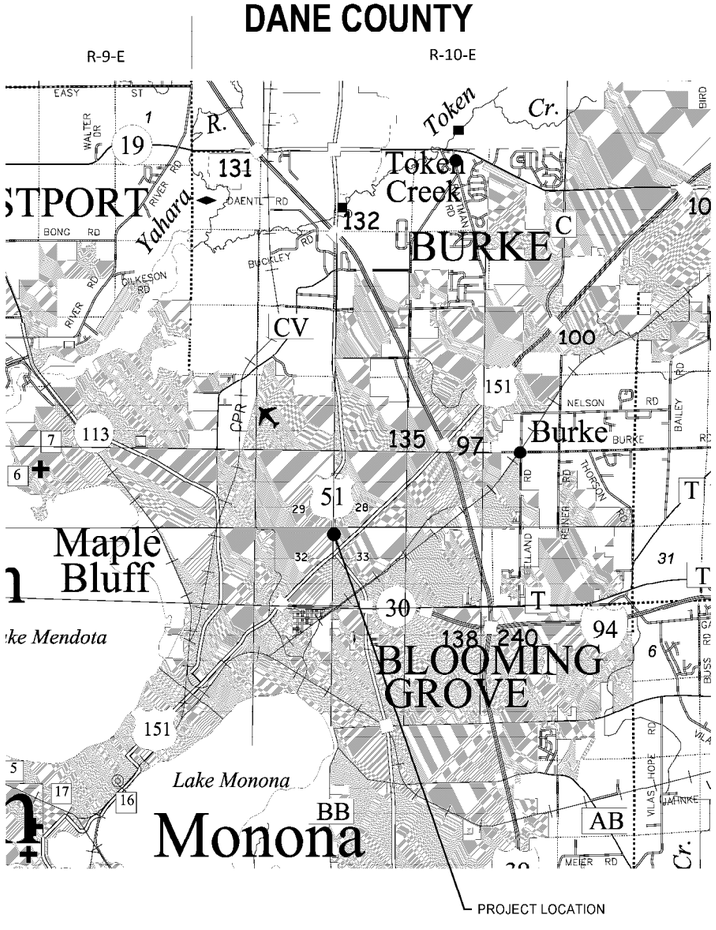
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: _____ DATE: 3/9/2021
PRINT NAME: CORY SCHLAGEL

236

FILE NAME : G:\00\00093\00093507\CADD\RW\USH51_TPP.DWG
APPRAISAL PLAT DATE : 03/03/2021
PLOT DATE : 3/3/2021 3:25 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : ##########

5410-00-24 - 4.01

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
5410-00-24
MADISON - DEFOREST
(USH 151 TO PIERSTORFF STREET)
USH 51
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
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIPE (1-INCH UNLESS NOTED)
FOUND IRON ROD (SIZE AS NOTED)
FOUND CUT X IN CONCRETE
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

	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 NUMBER	NGS 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

LAYOUT SCALE 0 1.0 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 5410-00-24

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DANE COUNTY, NAD83 (2011) IN US 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 3/4"X24" 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.

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

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

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

PROJECT NUMBER	5410-00-24 -4. 01
SHEET	2 OF 2
AMENDMENT NO:	237

FILE NAME : G:\00\00093\00093507\CADD\RW\USH51_TPP.DWG
LAYOUT NAME: TPP Title
PLOT DATE : 9/16/2015 3:04 PM
PLOT BY : BRAD TISDALE
PLOT NAME : _____
APPRAISAL PLAT DATE : _____

4

4

R/W PROJECT NUMBER: 5410-00-25	EXHIBIT NUMBER: 1

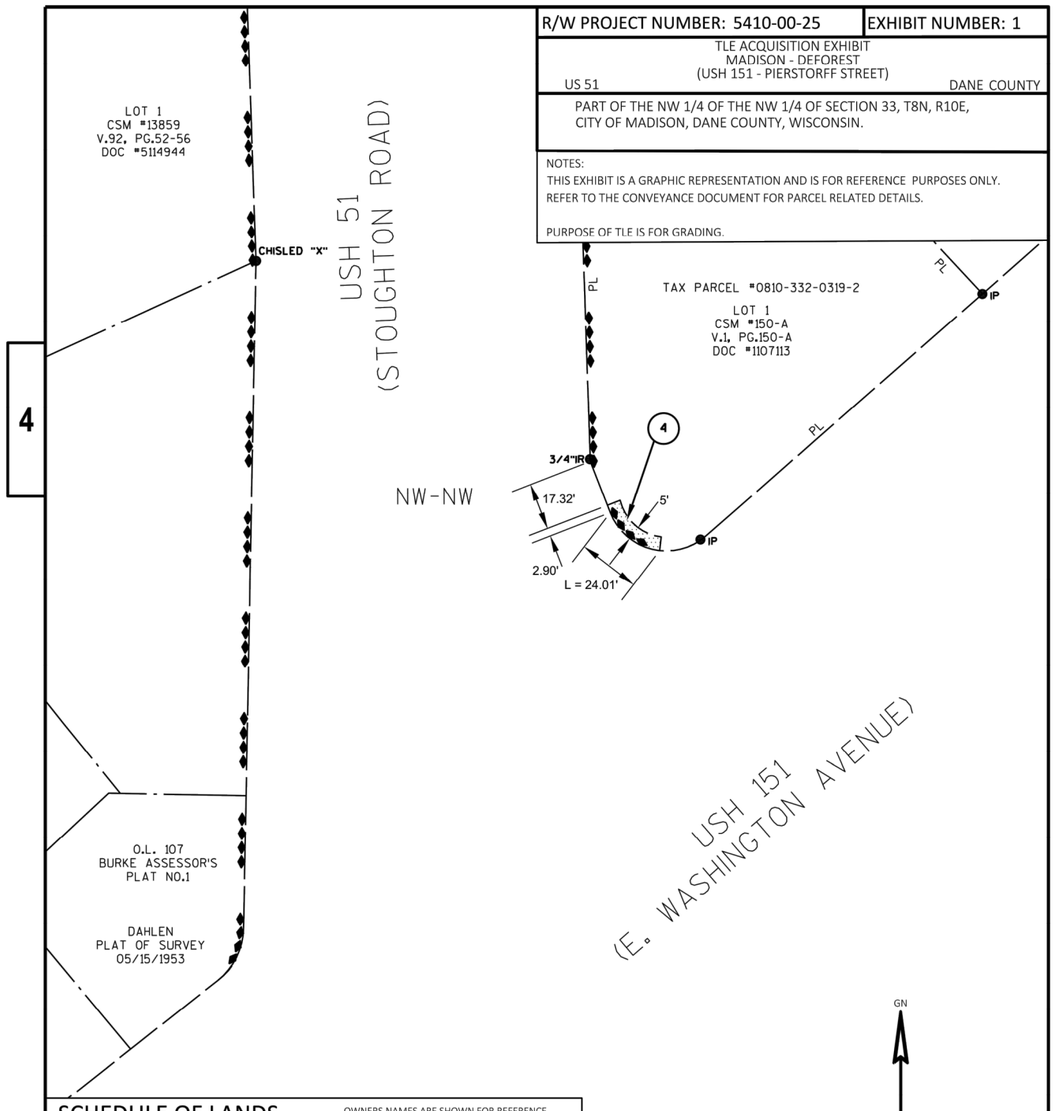
TLE ACQUISITION EXHIBIT
MADISON - DEFOREST
(USH 151 - PIERSTORFF STREET)

US 51 DANE COUNTY

PART OF THE NW 1/4 OF THE NW 1/4 OF SECTION 33, T8N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF TLE IS FOR GRADING.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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	TLE S.F.
4	EASTGREEN SUB, LLC	TLE	121

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
N/A	N/A	N/A

THIS EXHIBIT IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHWEST REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 3/9/2021

PRINT NAME: Cory Schlagel

FILE NAME : USH51_TPP.DWG PLOT DATE : 3/3/2021 2:39 PM R/W PROJECT: 5410-00-25

R/W PROJECT NUMBER: 5410-00-25	EXHIBIT NUMBER: 2

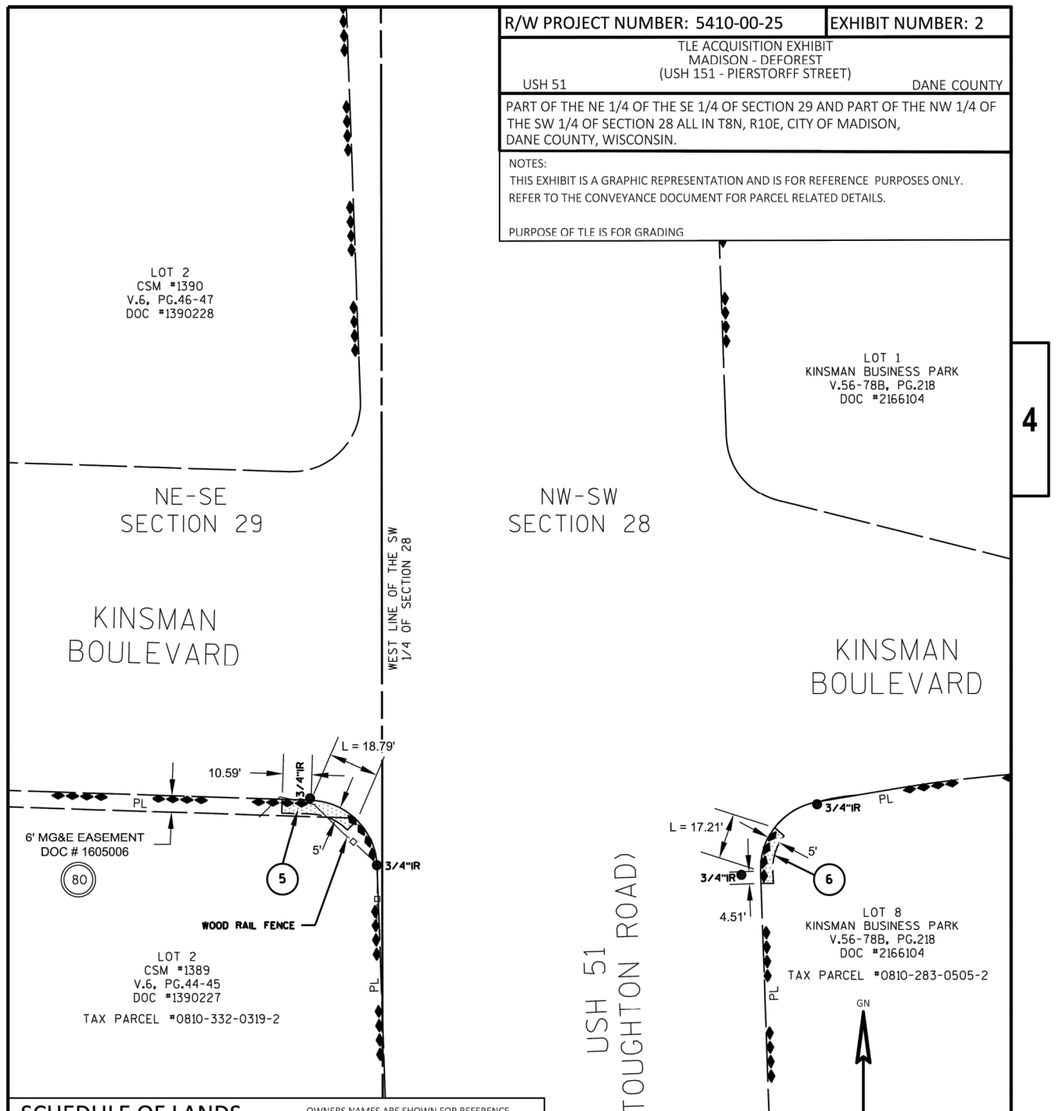
TLE ACQUISITION EXHIBIT
MADISON - DEFOREST
(USH 151 - PIERSTORFF STREET)

USH 51 DANE COUNTY

PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 29 AND PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 28 ALL IN T8N, R10E, CITY OF MADISON, DANE COUNTY, WISCONSIN.

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF TLE IS FOR GRADING



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS 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	TLE S.F.
5	KINSMAN WRIGHT CONDOMINIUM OWNERS ASSOCIATION, UA	TLE	138
6	GOLDEN ARCH LIMITED PARTNERSHIP	TLE	90

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
80	MADISON GAS AND ELECTRIC COMPANY	RELEASE OF RIGHTS

THIS EXHIBIT IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
SOUTHWEST REGION - MADISON

SIGNATURE: Cory Schlagel DATE: 3/9/2021

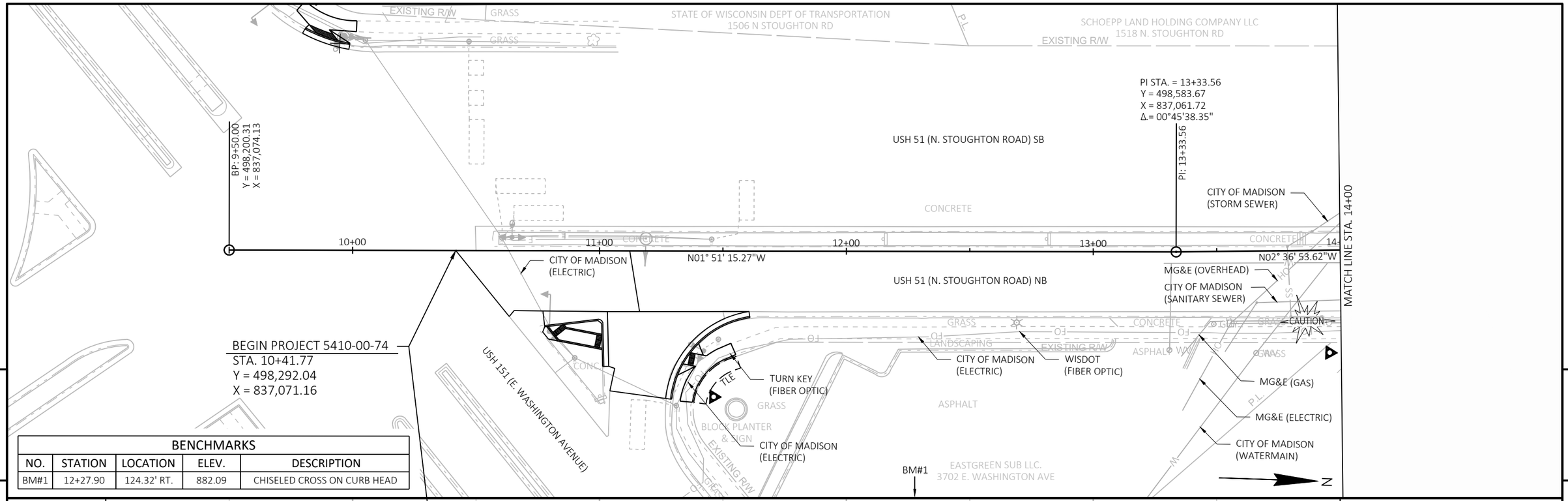
PRINT NAME: Cory Schlagel

FILE NAME : USH51_TPP.DWG PLOT DATE : 3/3/2021 2:41 PM R/W PROJECT: 5410-00-25

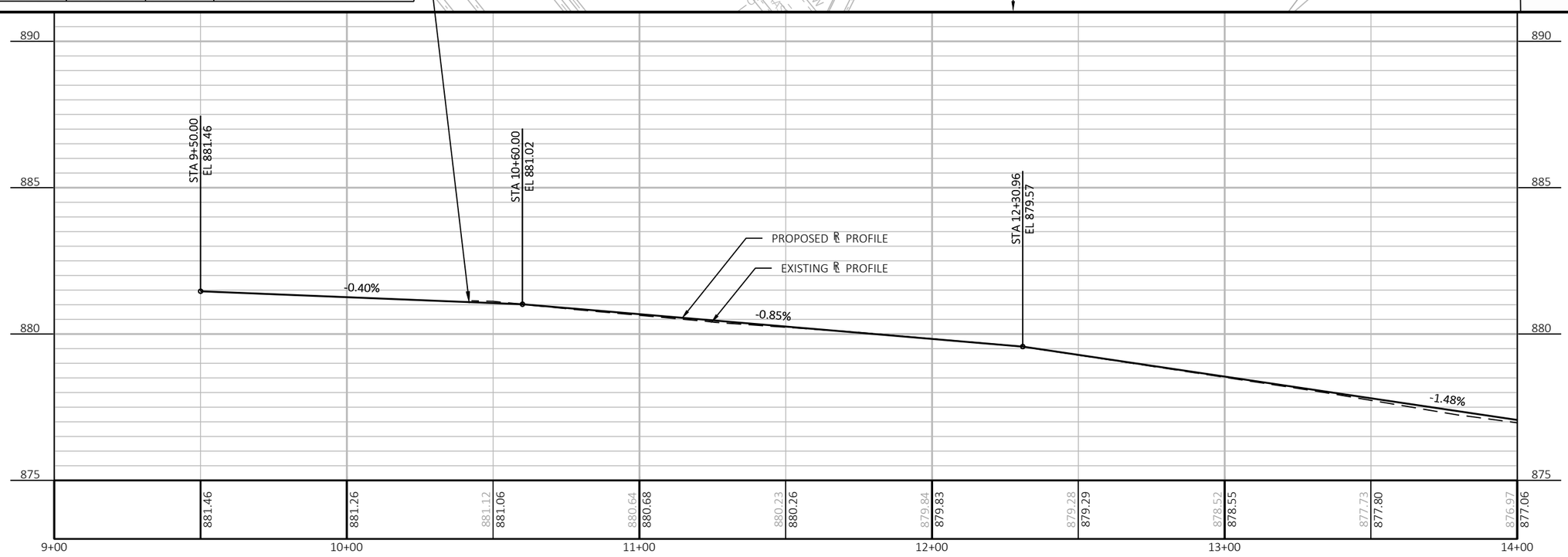
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\040101-TLE EXHIBITS.DWG
LAYOUT NAME: TLE Exhibits

PLOT DATE : 9/16/2015 3:04 PM PLOT BY : JASON DOLENS PLOT NAME : _____ APPRAISAL PLAT DATE : _____

5410-00-24



BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#1	12+27.90	124.32' RT.	882.09	CHISELED CROSS ON CURB HEAD



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 239	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp

PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

PI STA. = 14+77.98
Y = 498,727.94
X = 837,055.13
DELTA ANGLE = 05°39'36.36"
DEGREE OF CURVATURE = 05°43'46.56"
T. = 49.43'
L. = 98.79'
R. = 1,000.00'
PC STA. = 14+28.54
Y = 498,678.56
X = 837,057.38
PT STA. = 15+27.33
Y = 498,776.86
X = 837,048.01

PI STA. = 15+81.31
Y = 498,830.28
X = 837,040.24
DELTA ANGLE = 02°40'08.04"
DEGREE OF CURVATURE = 05°43'46.56"
T. = 23.30'
L. = 46.58'
R. = 1,000.00'
PC STA. = 15+58.02
Y = 498,807.23
X = 837,043.59
PT STA. = 16+04.60
Y = 498,853.46
X = 837,037.97

PI STA. = 17+73.25
Y = 499,021.30
X = 837,021.49
Δ.= 01°22'39.92"

PI STA. = 18+24.11
Y = 499,072.03
X = 837,017.74
Δ.= 02°12'35.26"

PI STA. = 19+77.19
Y = 499,225.01
X = 837,012.35
Δ.= 00°00'35.89"

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#2	14+39.19	30.71' RT.	878.88	TOP NUT FIRE HYDRANT
BM#3	18+48.48	89.04' RT.	873.40	CHISELED CROSS ON SIGN POST BASE

MATCH LINE STA. 14+00

MATCH LINE STA. 20+00

N02° 36' 53.62"W

N08° 16' 30.13"W

N05° 36' 22.18"W

N04° 13' 42.26"W

N02° 01' 07.00"W

N02° 01' 42.89"W

BM#2

BM#3

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

CITY OF MADISON (STORM SEWER)

MG&E (OVERHEAD)

MG&E & SPECTRUM (OVERHEAD)

SAS 6332-003 ADJUSTING SANITARY MANHOLE COVERS

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (SANITARY SEWER)

SAS 6331-003 ADJUSTING SANITARY MANHOLE COVERS

MG&E (GAS)

WISDOT &TURN KEY (FIBER OPTIC)

TDS (FIBER OPTIC)

SLOPE INTERCEPTS (TYP.)

CITY OF MADISON (STORM SEWER)

STA. 16+43, RT. 36' ASPHALT DRIVEWAY REQ'D.

STA. 17+25, RT. 36' ASPHALT DRIVEWAY REQ'D.

STA. 18+47, RT. 33' ASPHALT DRIVEWAY REQ'D.

STA. 19+88, RT. 36' ASPHALT DRIVEWAY REQ'D.

MCALLEN PROPERTIES LLC
3589 ANDERSON ST

EASTGREEN SUB LLC.
3702 E. WASHINGTON AVE

SAO ENTERPRISES LLC
1525 N STOUGHTON RD

SAO ENTERPRISES LLC
1601 N STOUGHTON RD

UNPUBLISHED
1609 N STOUGHTON RD

VCL = 410.93
K = 445.00
PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE

VPC STA 15+20.34
VPC EL 875.28

VPI STA 17+25.81
VPI EL 872.23

VPT STA 19+31.27
VPT EL 871.09

14+00	15+00	16+00	17+00	18+00	19+00	20+00
876.97	876.26	875.50	874.80	874.09	873.37	872.79	872.28	871.83	871.49	871.23	870.95	870.55
877.06	876.32	875.58	874.85	874.17	873.55	872.98	872.47	872.01	871.61	871.27	870.98	870.70

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 240	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp

PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#4	21+13.68	43.91' RT.	873.13	TOP NUT FIRE HYDRANT

MADISON AREA TECHNICAL COLLEGE FOUNDATION INC
3591 ANDERSON ST UNIT 223

EXISTING R/W

MG&E (GAS)

AT&T LEGACY & WISDOT (FIBER OPTIC)

ANDERSON STREET

AT&T LEGACY & WISDOT (FIBER OPTIC)

MATCH LINE STA. 20+00

PI STA. = 21+18.29
Y = 499,366.03
X = 837,007.35
Δ = 00°00'56.89"

USH 51 (N. STOUGHTON ROAD) SB

CITY OF MADISON (ELECTRIC)

PI STA. = 24+45.83
Y = 499,693.35
X = 836,995.67
Δ = 00°03'08.39"

PI STA. = 25+42.03
Y = 499,789.49
X = 836,992.15
Δ = 00°00'01.48"

MG&E (GAS)

SAS 6331-002
ADJUSTING SANITARY MANHOLE COVERS

CITY OF MADISON (ELECTRIC)

20+00 | 21+00 | 22+00 | 23+00 | 24+00 | 25+00 | 26+00

N02° 01' 42.89"W | N02° 02' 39.78"W | N02° 05' 48.17"W | N02° 05' 46.69"W

WISDOT, AT&T LEGACY & TDS (FIBER OPTIC)

CITY OF MADISON (STORM SEWER)

ADJUSTING WATER MAIN VALVE BOX

MG&E (GAS)

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (WATERMAIN)

USH 51 (N. STOUGHTON ROAD) NB

CITY OF MADISON (STORM SEWER)

BM#4

SLOPE INTERCEPTS (TYP.)

MG&E (GAS)

WISDOT & TURN KEY (FIBER OPTIC)

TDS (FIBER OPTIC)

CITY OF MADISON (SANITARY SEWER)

MG&E (GAS)

TDS (FIBER OPTIC)

NEW R/W

LUMEN (FIBER OPTIC)

N. STOUGHTON SERVICE ROAD

TURN KEY (FIBER OPTIC)

UNPUBLISHED
1617 N STOUGHTON RD

STA. 21+75, RT.
37' ASPHALT
DRIVEWAY REQ'D.

STA. 22+33, RT.
30' ASPHALT
DRIVEWAY REQ'D.

KWIK TRIP INC
1625 N STOUGHTON RD

MATCH LINE STA. 26+00

STA 21+18.41
EL 870.04

STA 24+46.67
EL 868.37

PROPOSED ℄ PROFILE

EXISTING ℄ PROFILE

-0.56%

-0.51%

875 | 870 | 865 | 863

20+00	21+00	22+00	23+00	24+00	25+00	26+00
870.55 / 870.70	870.15 / 870.42	870.12 / 870.14	869.91 / 869.88	869.77 / 869.62	869.38 / 869.37	869.14 / 869.11	868.86 / 868.86	868.68 / 868.60	868.31 / 868.35	868.06 / 868.07	867.86 / 867.80	867.69 / 867.53

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 241	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050103-pp

PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

CITY OF MADISON (ELECTRIC)

DANE COUNTY TRUAX AIR PARK
3550 ANDERSON ST

N

EXISTING R/W

SPECTRUM (COPPER CABLE)

CITY OF MADISON (STORM SEWER)

PI STA. = 29+10.16
Y = 500,157.38
X = 836,978.68
Δ.= 01°02'42.71"

USH 51 (N. STOUGHTON ROAD) SB

PI STA. = 31+63.97
Y = 500,410.80
X = 836,964.78
Δ.= 01°05'00.88"

MATCH LINE STA. 26+00

MATCH LINE STA. 32+00

N02° 05' 46.69"W

N03° 08' 29.40"W

N02° 03' 28.52"W

CITY OF MADISON (WATERMAIN)

ADJUSTING WATER MAIN VALVE BOX

USH 51 (N. STOUGHTON ROAD) NB

CITY OF MADISON (SANITARY SEWER)

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (STORM SEWER)

SPECTRUM (FIBER OPTIC)

SAS 6330-004

SAS 6330-002

AT&T WISCONSIN (COPPER CABLE)

MG&E & SPECTRUM (OVERHEAD)

SLOPE INTERCEPTS (TYP.)

N. STOUGHTON SERVICE ROAD

AT&T WISCONSIN (COPPER CABLE)

ASPHALT

CONCRETE

GRASS

VCL = 855.96

K = 865.00

PROPOSED ℄ PROFILE

EXISTING ℄ PROFILE

-0.55%

VPC STA 30+93.38
VPC EL 864.84

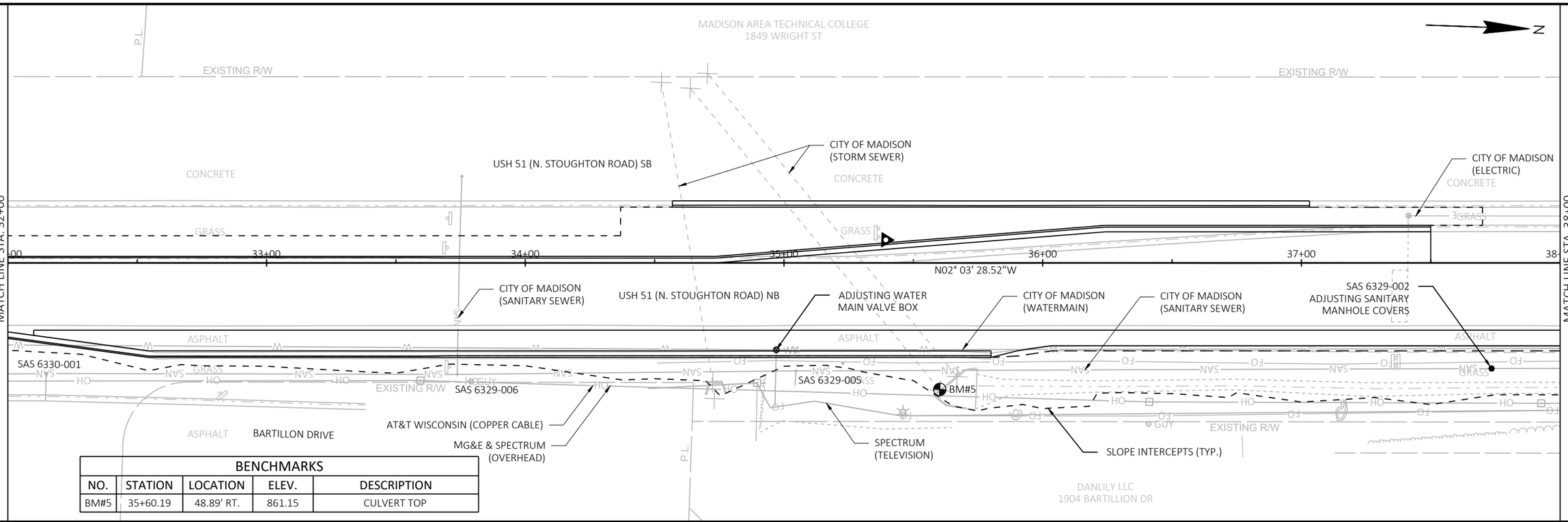
867.69	867.53	867.23	867.26	866.97	866.98	866.71	866.71	866.46	866.44	866.24	866.16	865.90	865.89	865.64	865.62	865.40	865.35	865.15	865.07	864.88	864.80	864.61	864.55	864.39	864.32
26+00			27+00			28+00				29+00						30+00				31+00					32+00

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 242	E

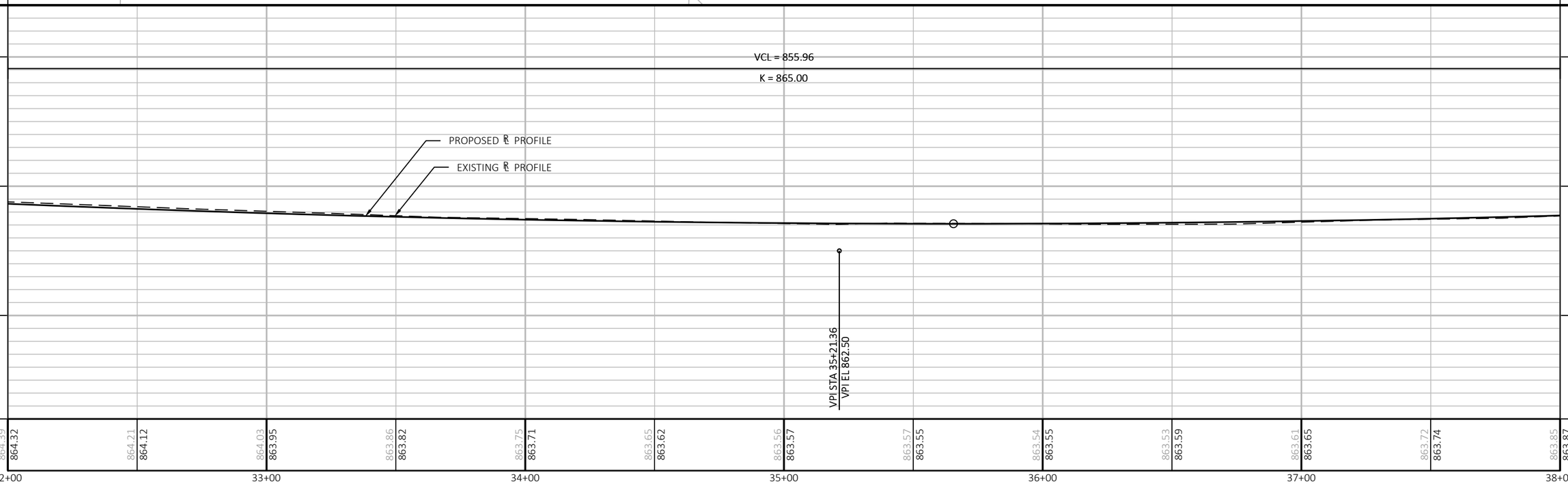
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104-pp

PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#5	35+60.19	48.89' RT.	861.15	CULVERT TOP



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 243	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050105-pp
PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#6	42+23.09	79.91' RT.	867.35	TOP NUT FIRE HYDRANT
BM#7	42+36.56	87.65' LT.	866.90	TOP NUT FIRE HYDRANT

JOMA INDUSTRIES INC
1925 WRIGHT ST

GOLDEN ARCH LTD PRT
3709 KINSMAN BLVD

MATCH LINE STA. 38+00

MATCH LINE STA. 44+00

N

USH 51 (N. STOUGHTON ROAD) SB

USH 51 (N. STOUGHTON ROAD) NB

KINSMAN BOULEVARD

PI STA. = 42+23.58
Y = 501,469.73
X = 836,926.72
Δ = 00°01'49.11"

PI: 42+23.58

N02° 03' 28.52"W

N02° 05' 17.63"W

AT&T LEGACY (FIBER OPTIC)
EXISTING R/W

MG&E (GAS)

CITY OF MADISON (ELECTRIC)

CITY OF MADISON (WATERMAIN)

CITY OF MADISON (STORM SEWER)

CITY OF MADISON (SANITARY SEWER)

WISDOT (FIBER OPTIC)

WINDSTREAM KDL (FIBER OPTIC)

LUMEN (FIBER OPTIC)

ADJUSTING WATER MAIN VALVE BOX

SAS 6329-001
ADJUSTING SANITARY MANHOLE COVERS

SAS 6328-003
ADJUSTING SANITARY MANHOLE COVERS

AT&T WISCONSIN (FIBER OPTIC)

MG&E & SPECTRUM (OVERHEAD)

SLOPE INTERCEPTS (TYP.)

BM#6

BM#7

CONCRETE

ASPHALT

GRASS

CAUTION

VCL = 855.96

K = 865.00

PROPOSED ℄ PROFILE

EXISTING ℄ PROFILE

0.44%

VPT STA 39+49.34
VPT EL 864.40

863.85	863.87	864.03	864.02	864.18	864.19	864.34	864.40	864.54	864.62	864.80	864.85	865.01	865.07	865.27	865.29	865.47	865.51	865.72	865.73	865.94	865.95	866.17	866.18	866.44	866.40
38+00					39+00				40+00				41+00				42+00				43+00				44+00

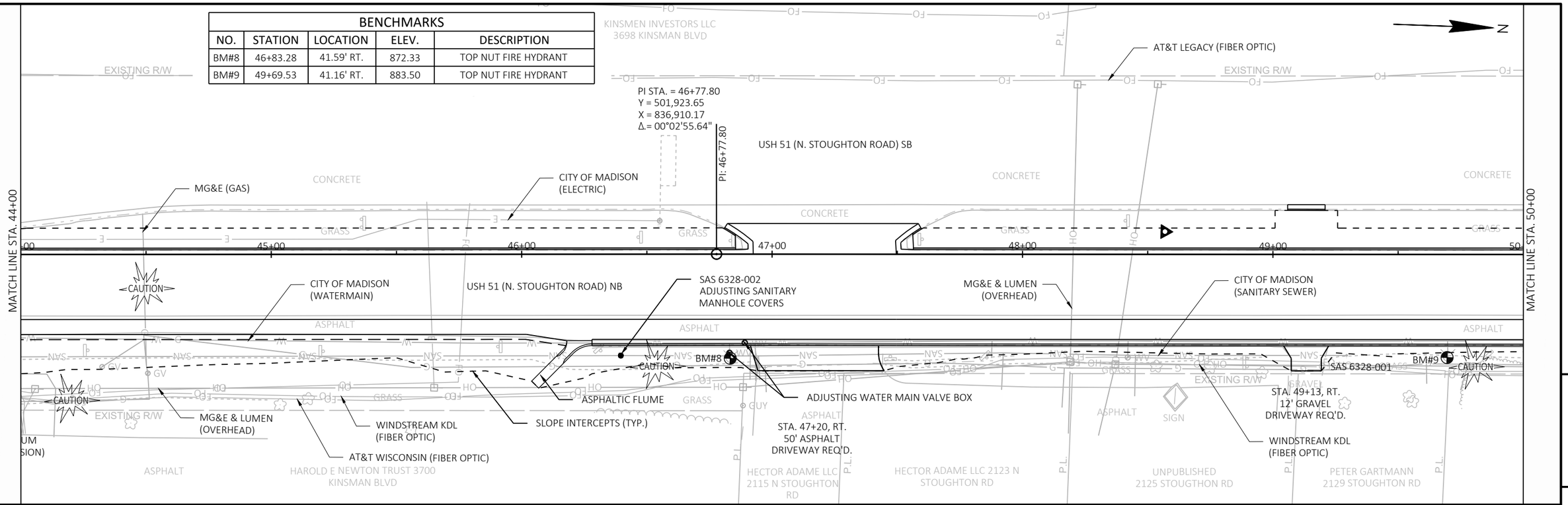
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 244	E

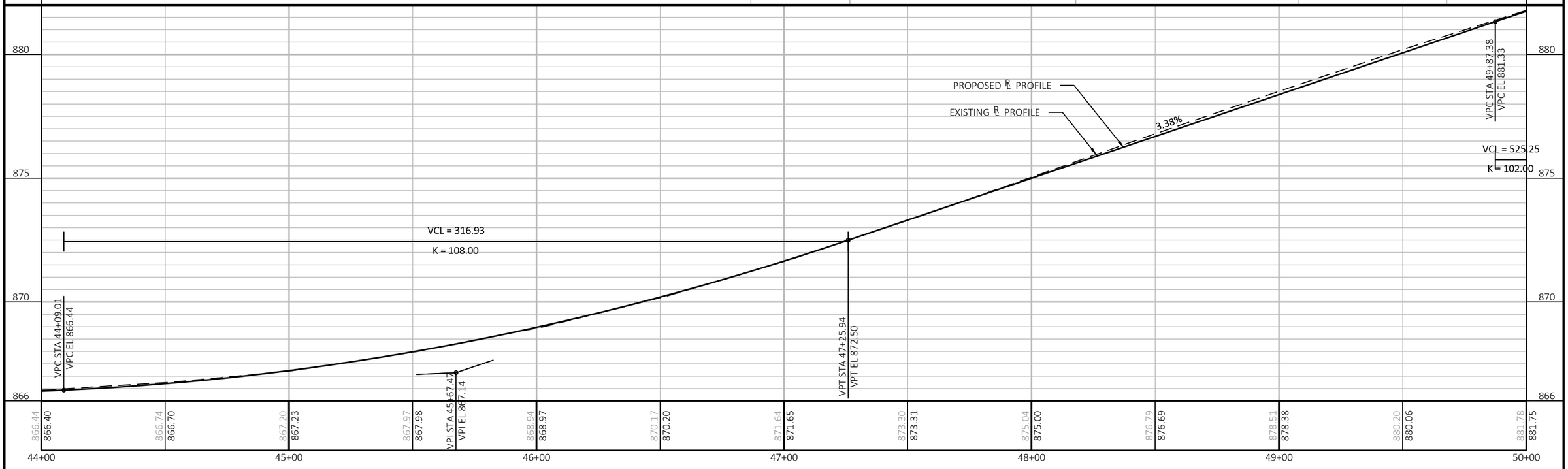
FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050106-pp

PLOT DATE : 7/16/2022 10:16 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

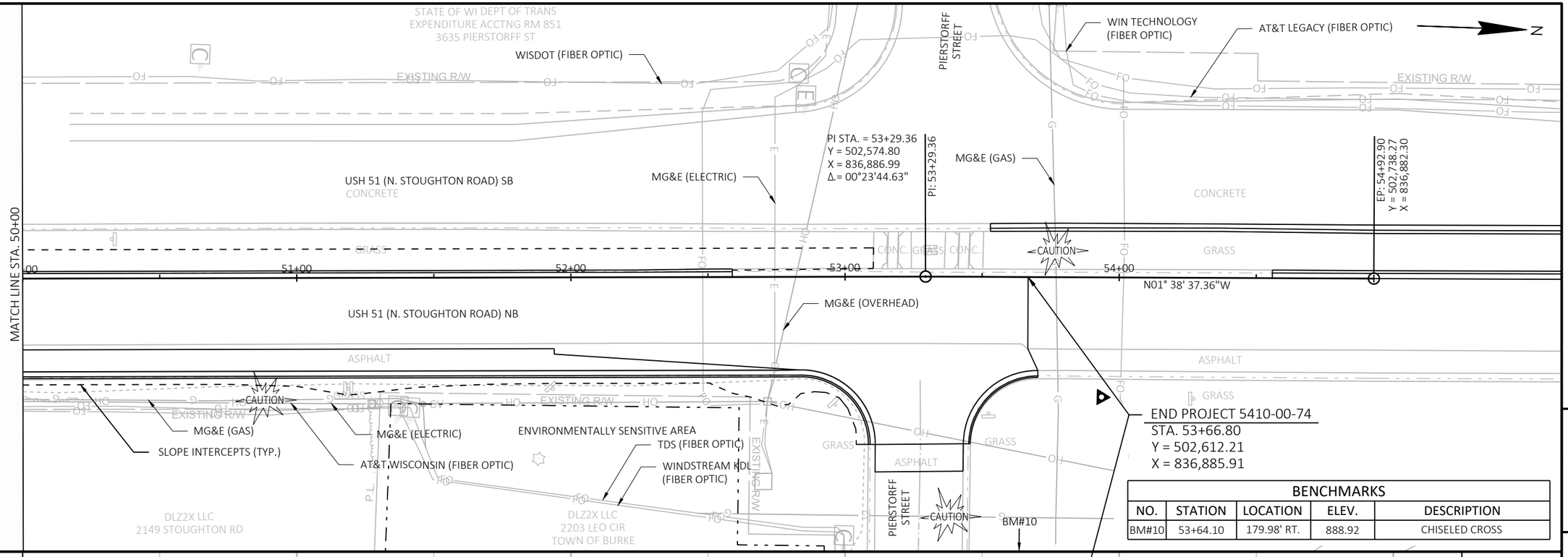
WISDOT/CADDS SHEET 44

BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#8	46+83.28	41.59' RT.	872.33	TOP NUT FIRE HYDRANT
BM#9	49+69.53	41.16' RT.	883.50	TOP NUT FIRE HYDRANT





PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 245 E



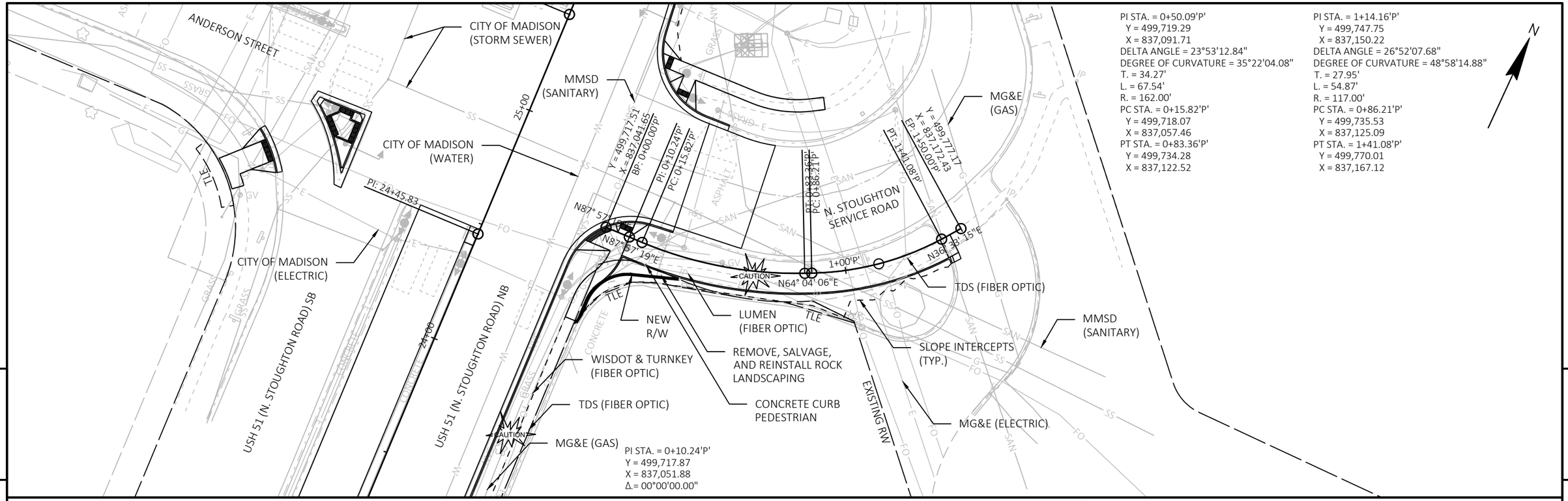
BENCHMARKS				
NO.	STATION	LOCATION	ELEV.	DESCRIPTION
BM#10	53+64.10	179.98' RT.	888.92	CHISELED CROSS

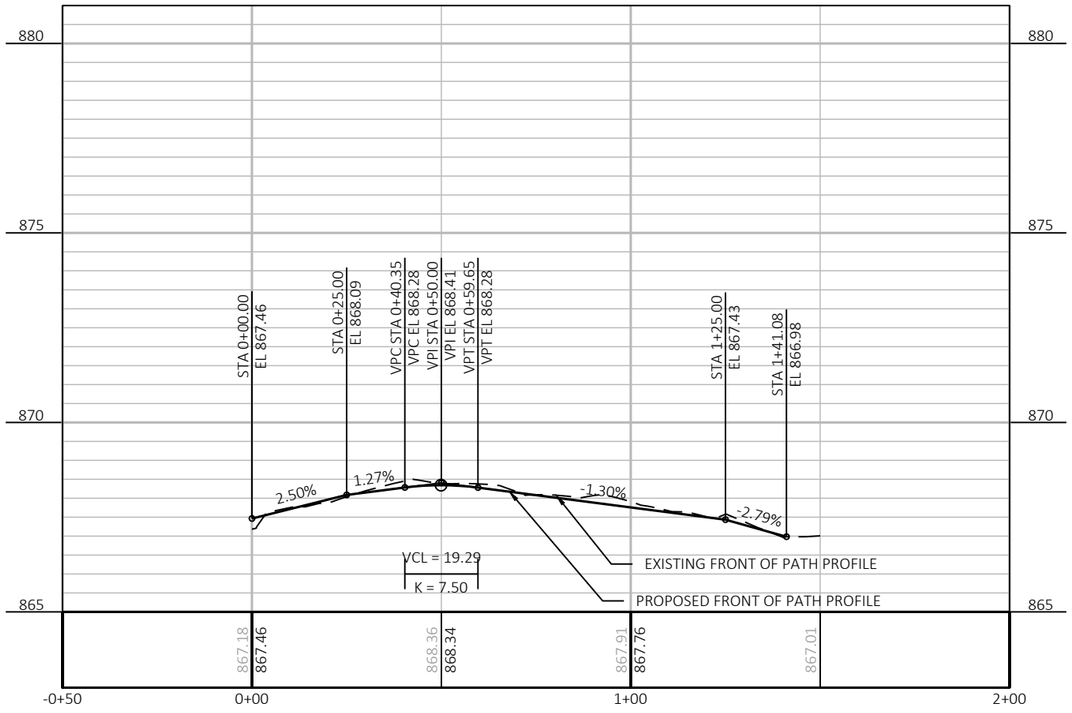
PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PROFILE: USH 51 (N. STOUGHTON ROAD)	SHEET 246	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050108-pp

PLOT DATE : 7/16/2022 10:17 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	PLAN AND PLOTTING: N STOUGHTON SERVICE ROAD MULTI-USE PATH	SHEET 247	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\050102-PP.DWG
LAYOUT NAME - 050102-pp

PLOT DATE : 7/16/2022 10:23 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

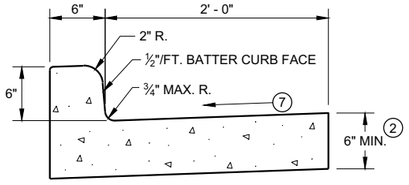
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-06	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	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
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-16A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-16B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-16C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-10	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
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
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C08-21B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-21C	PAVEMENT MARKING (TURN LANES)
15C08-21D	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C18-06B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-06C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C19-07C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-10B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-07B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-07C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

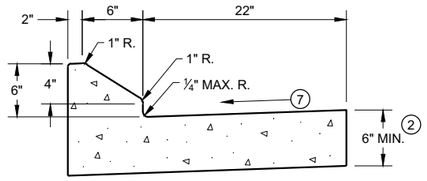
Standard Detail Drawing List

15D30-07G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-04A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

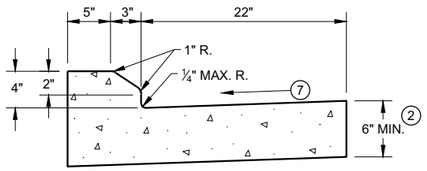
6



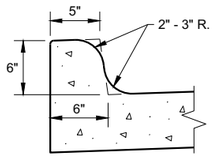
TYPES A (1) & D



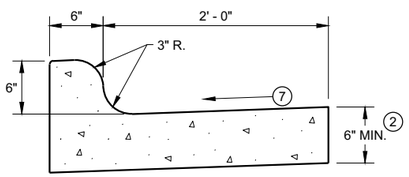
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

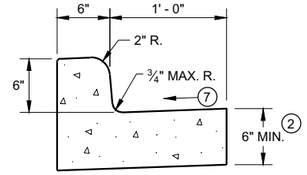


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



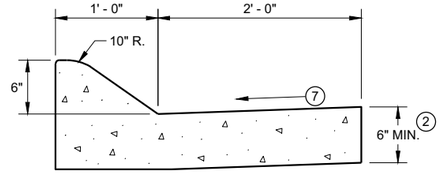
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

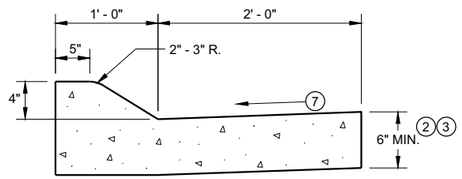


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

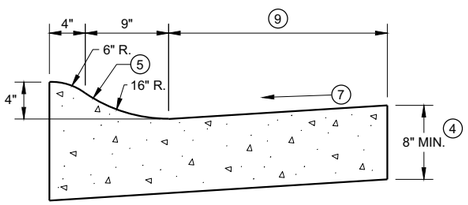


6" SLOPED CURB TYPES A (1) & D



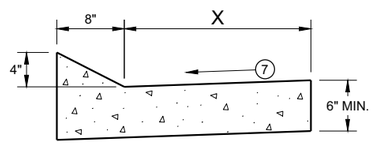
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

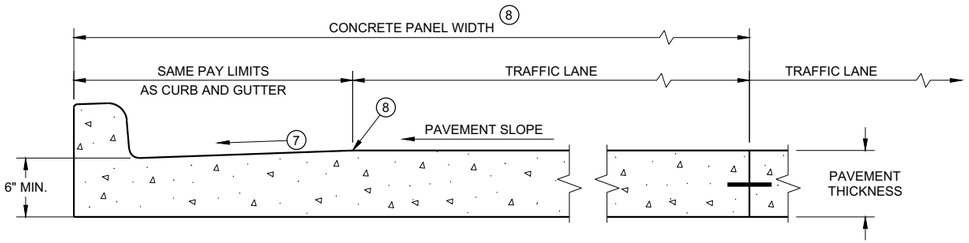


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

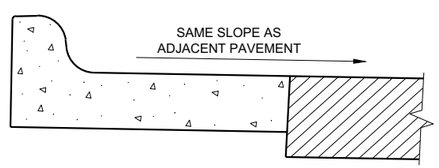
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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

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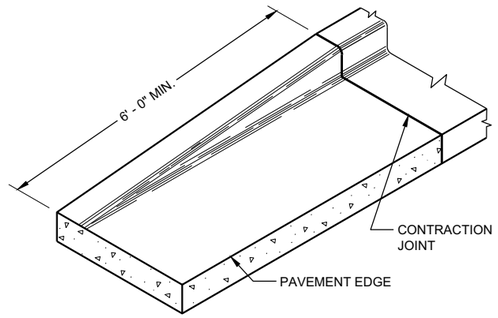
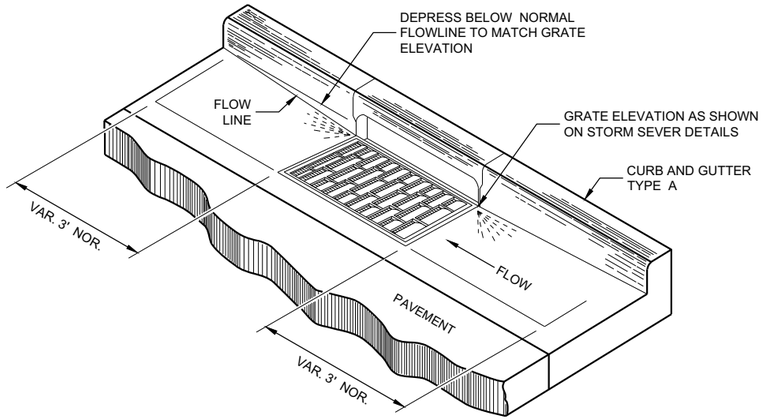
SDD 08D01 - 22a
SDD 08D01 - 22a



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.

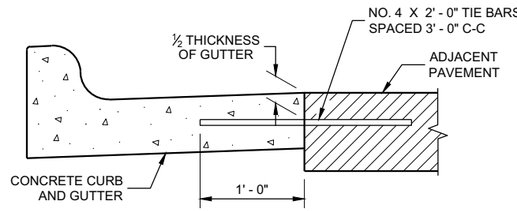
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

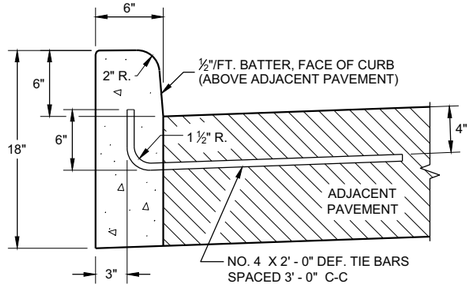
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

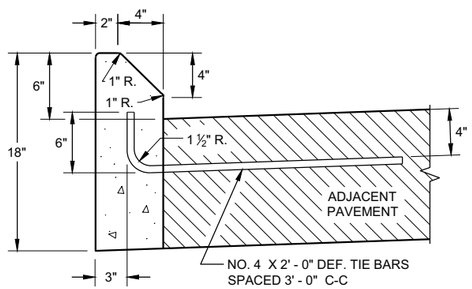
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

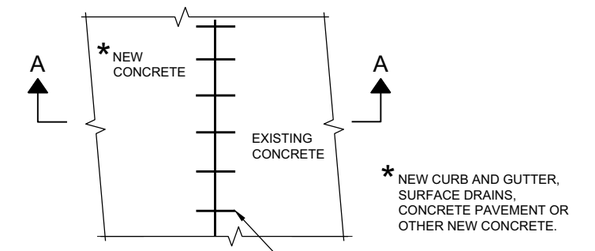


TYPES A (1) & D

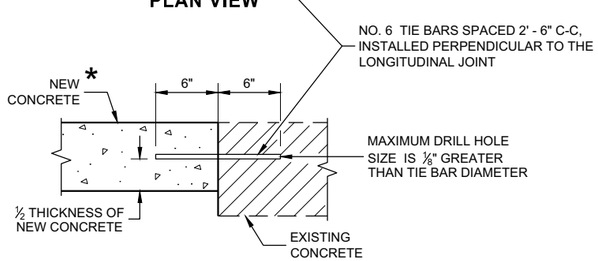


TYPES G (1) & J

CONCRETE CURB

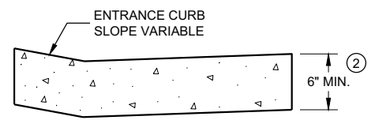


PLAN VIEW



SECTION A - A

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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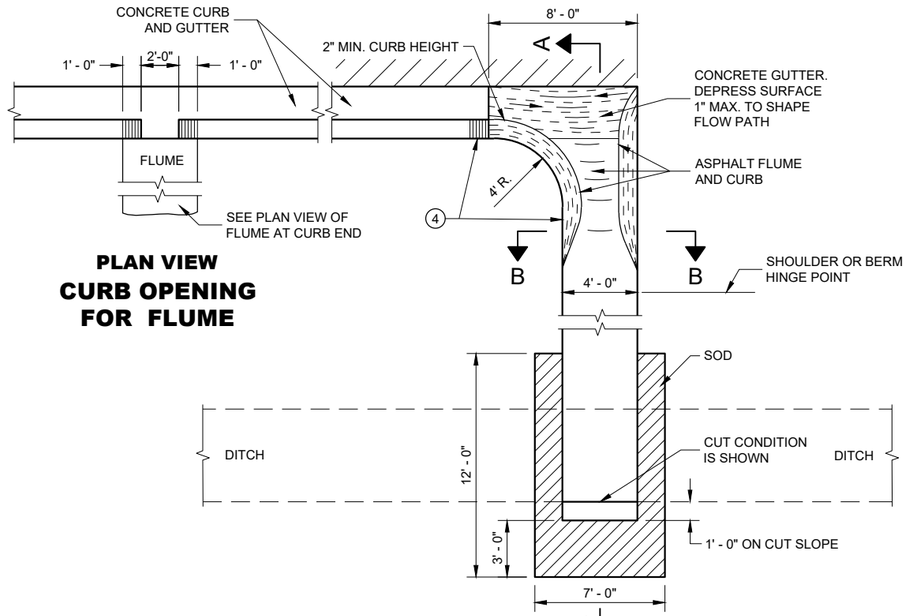
SDD08D01 - 22b

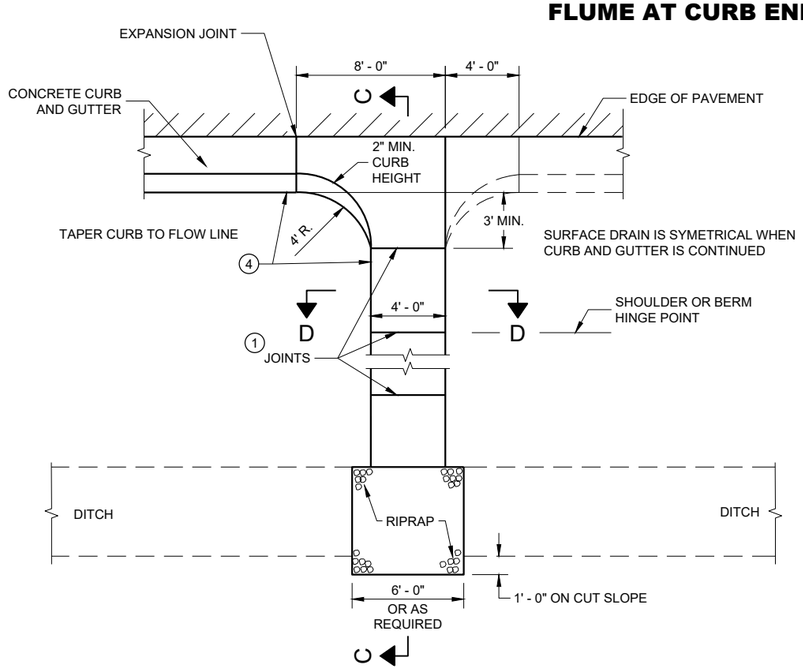
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



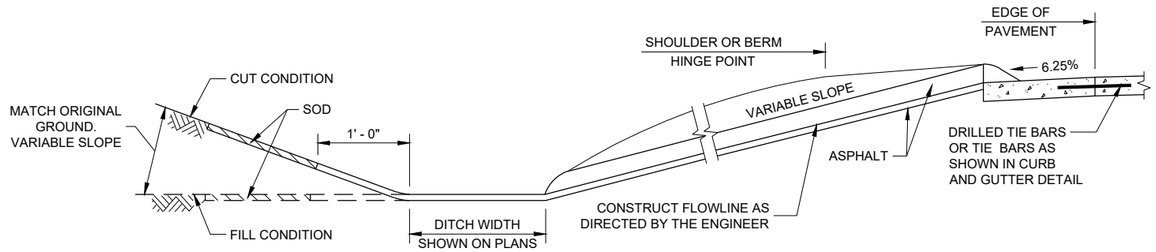
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

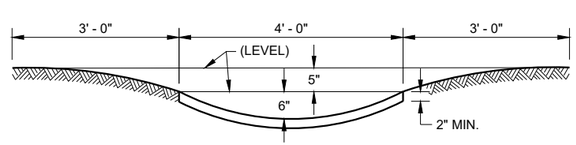
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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

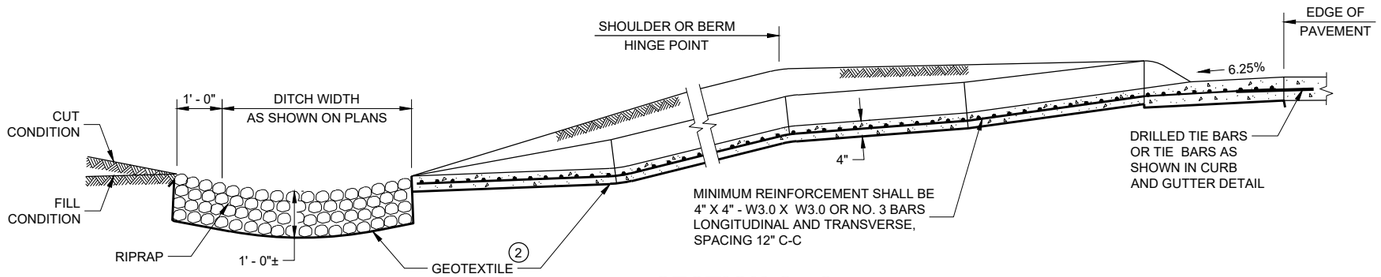
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. 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.



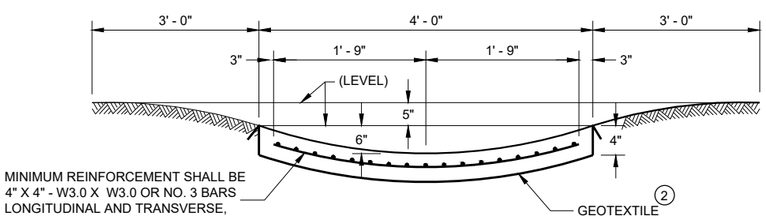
SECTION A - A



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

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SDD 08D04 - 06

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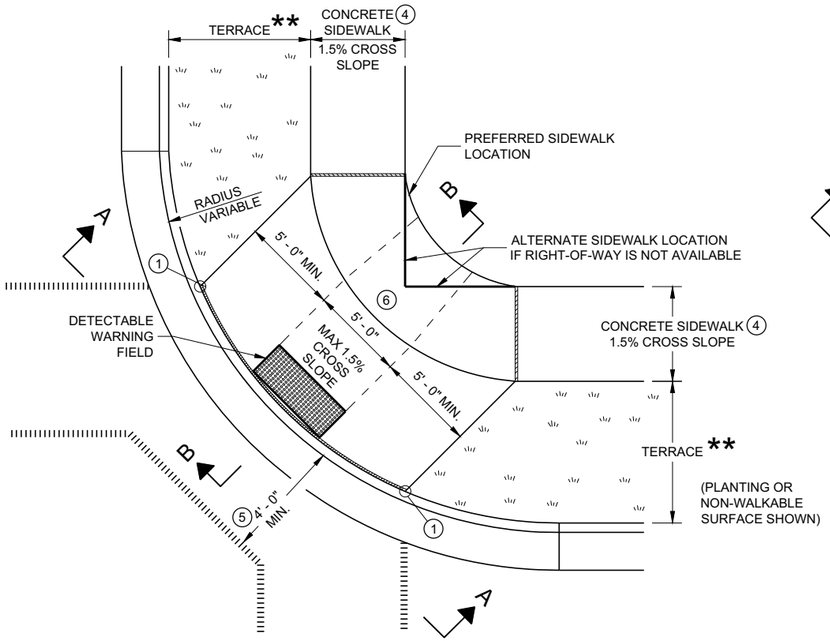
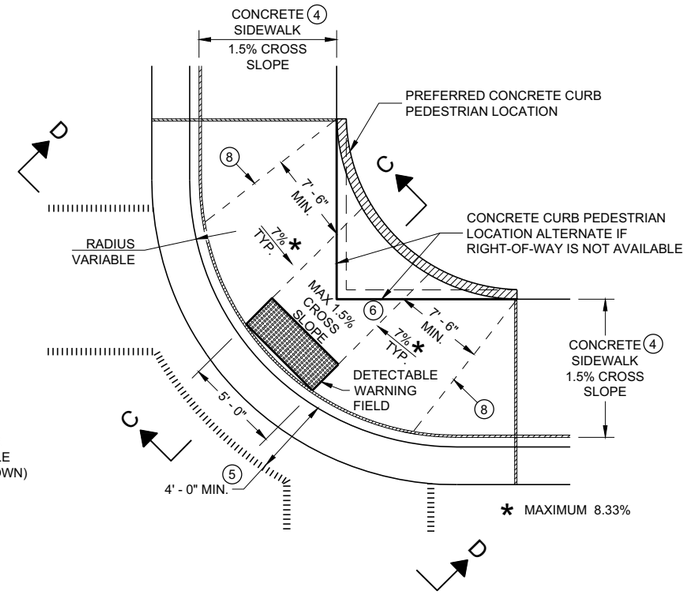
SDD 08D04 - 06



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.

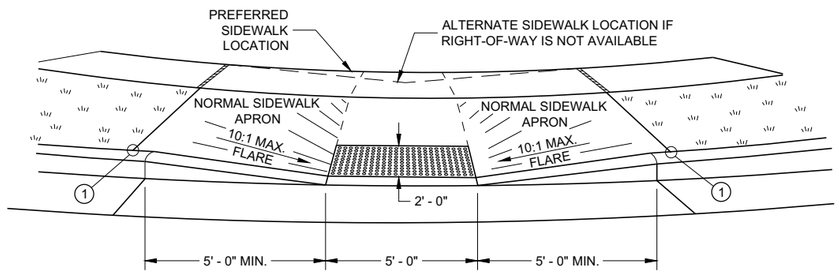
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

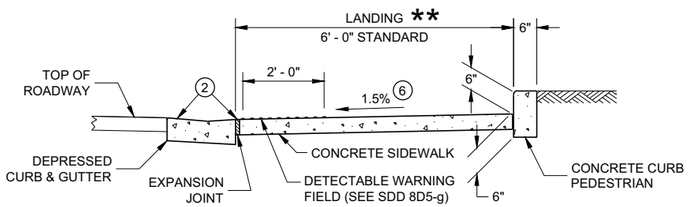
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(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

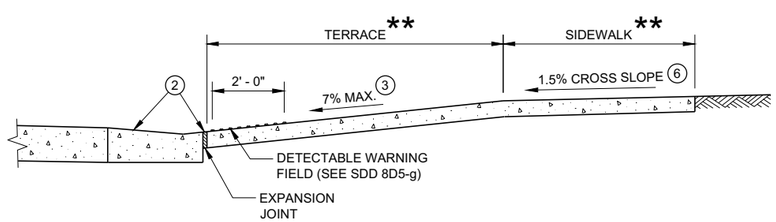


SECTION C - C FOR TYPE 1 - A

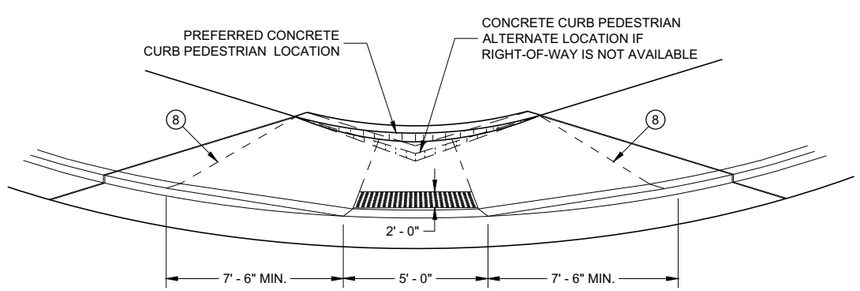
LEGEND

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



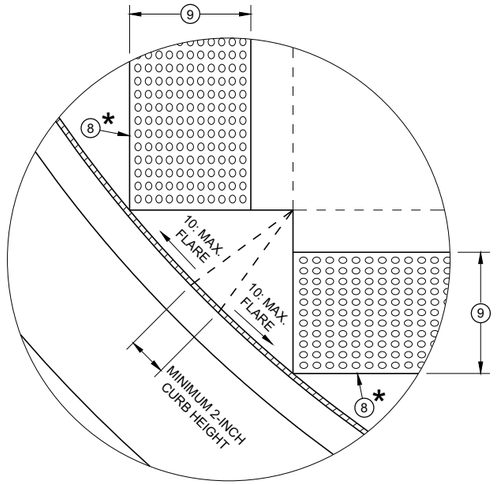
VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

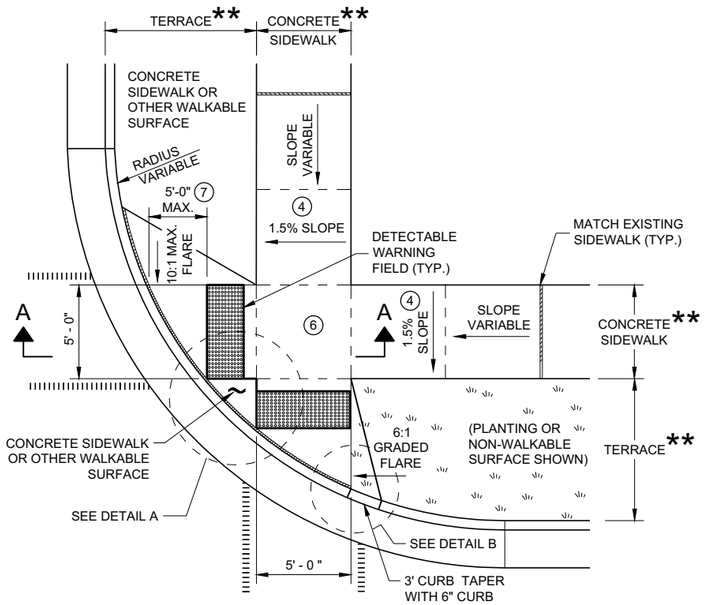
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



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.

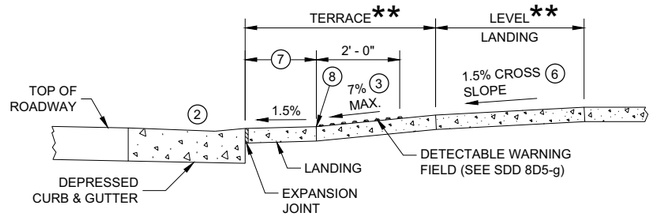
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

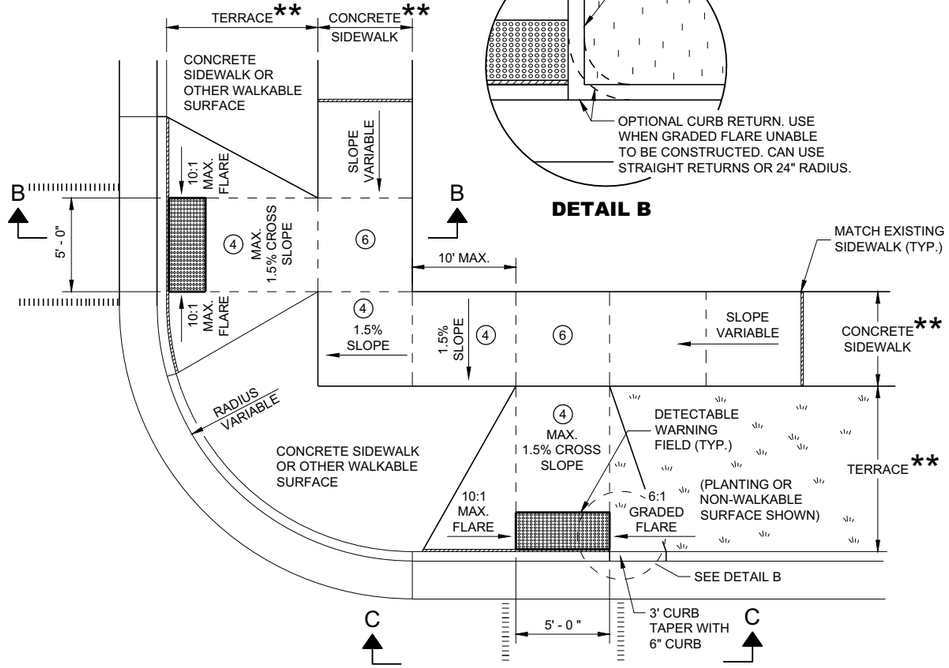
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



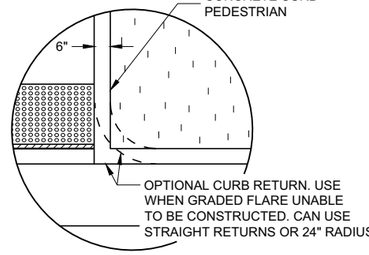
SECTION A - A FOR TYPE 2

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

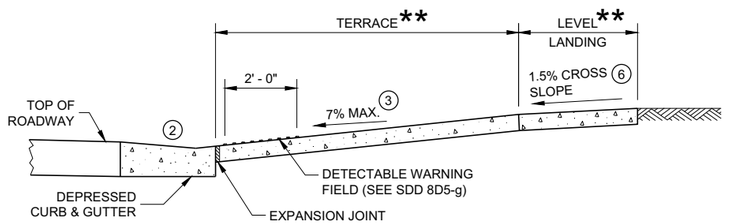
** WIDTH SHOWN ELSEWHERE IN THE PLANS



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



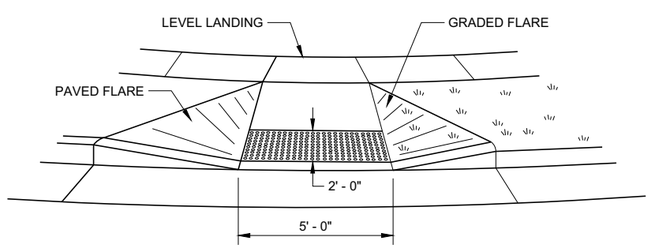
DETAIL B



SECTION B - B FOR TYPE 3

LEGEND

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



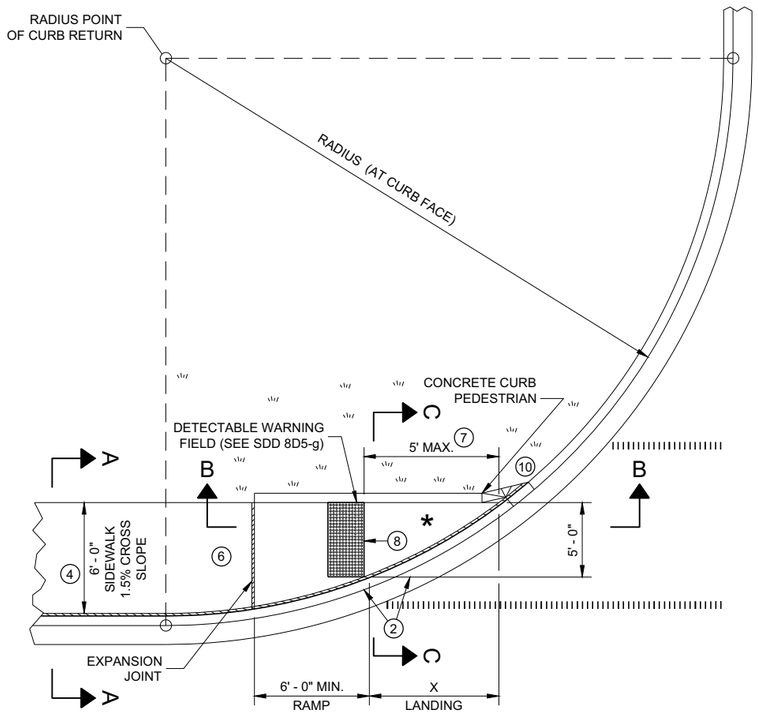
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

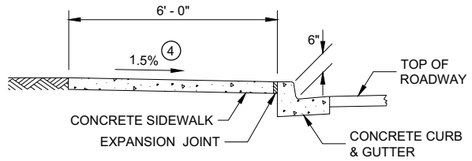


PLAN VIEW

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.

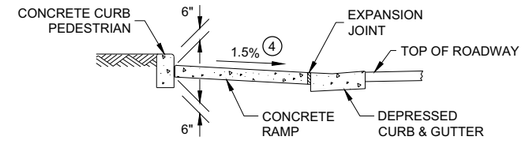
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

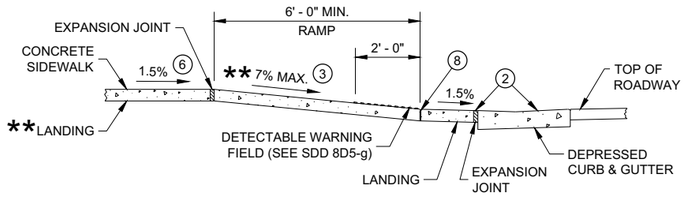
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



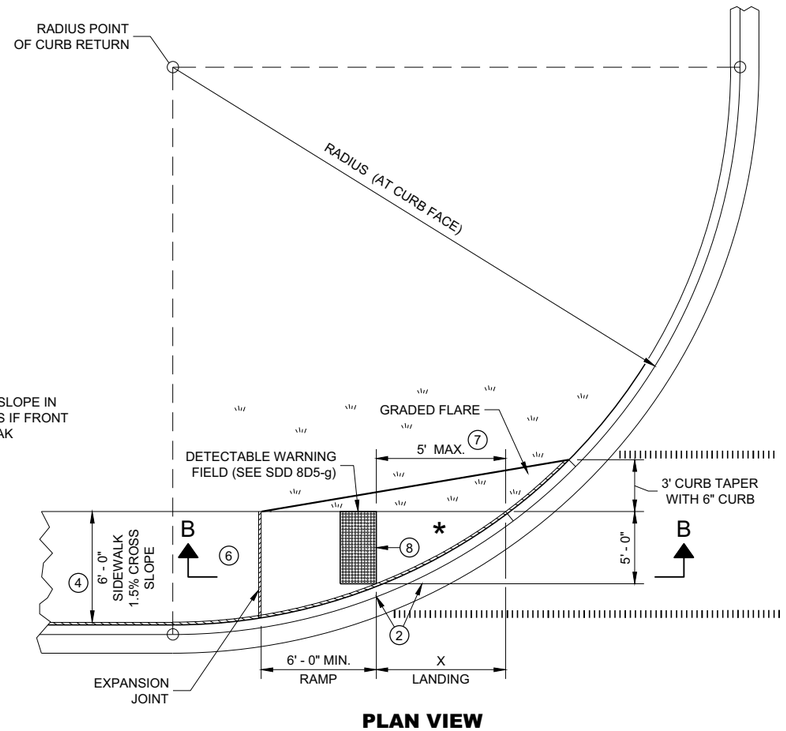
SECTION C - C FOR TYPE 4A



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

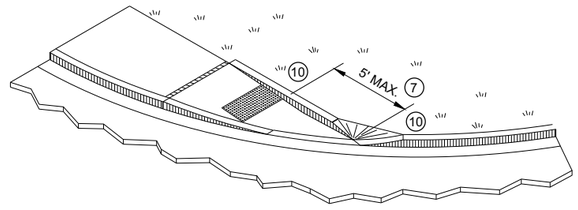
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

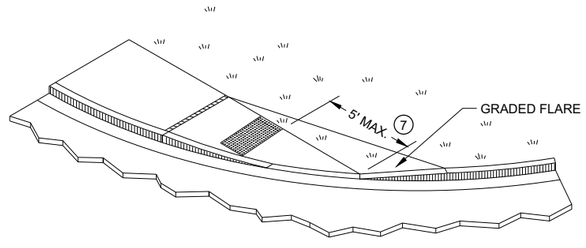


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



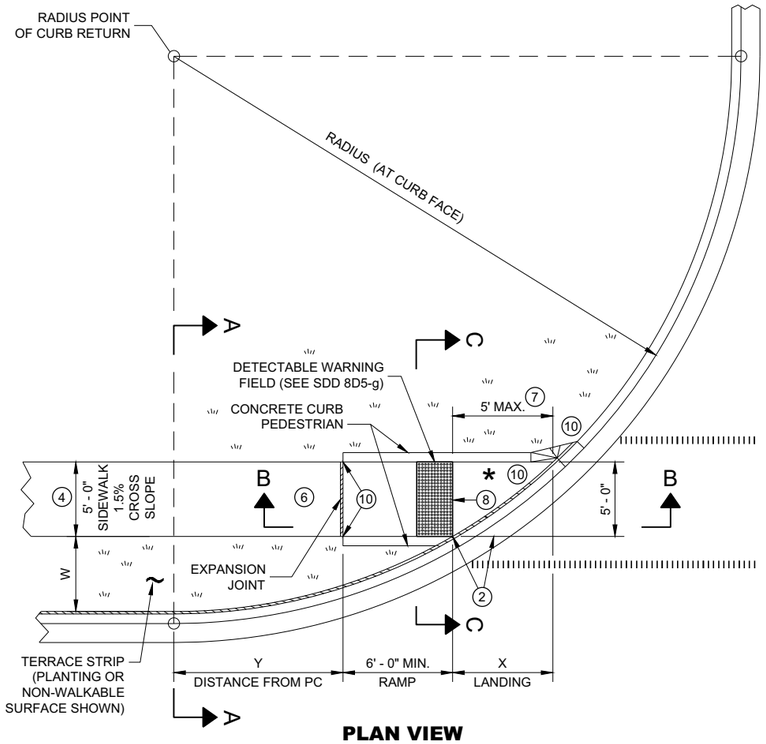
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

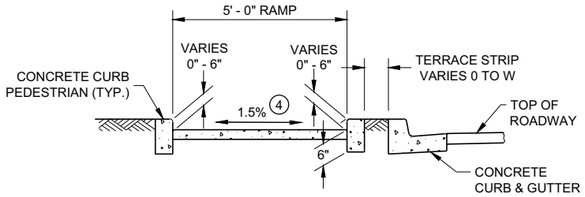


PLAN VIEW

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



SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

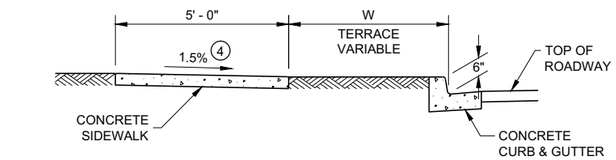
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

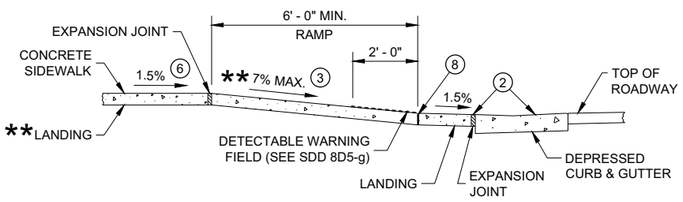
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



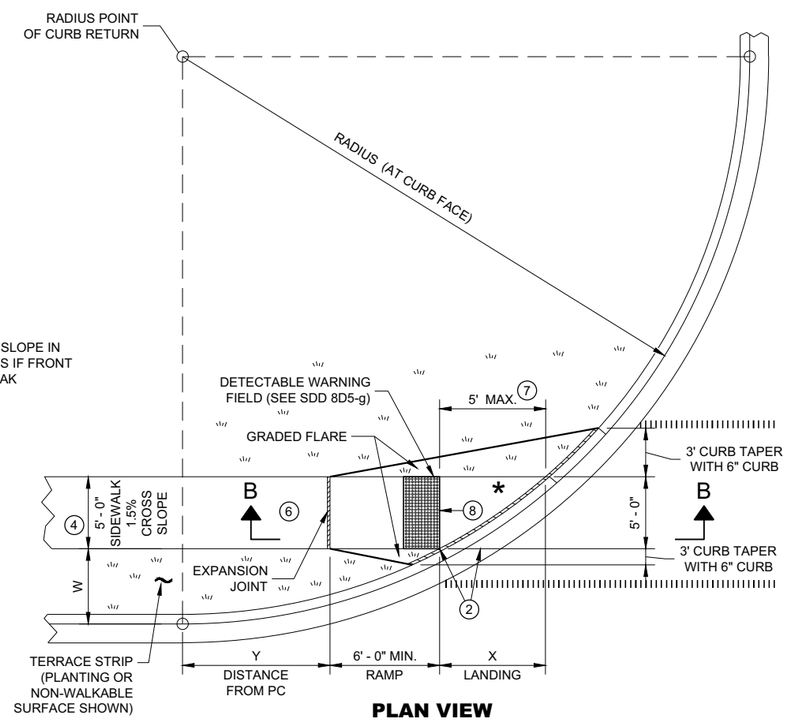
SECTION A - A FOR TYPE 4B



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

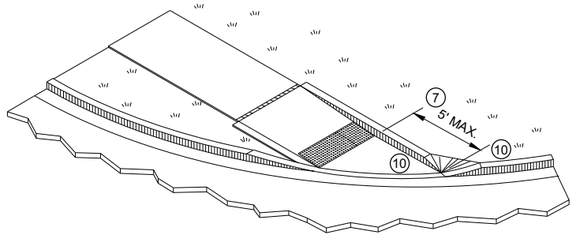
SECTION B - B FOR TYPE 4B AND TYPE 4B1

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

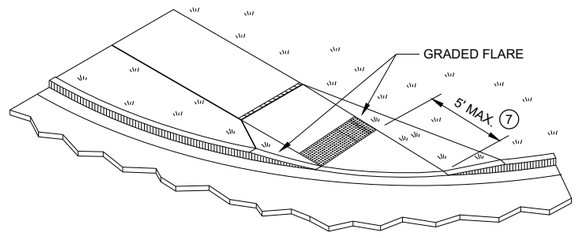


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



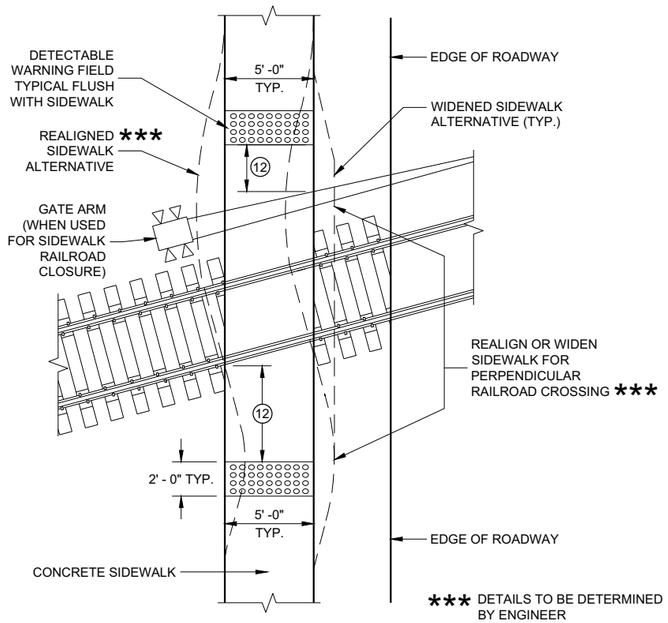
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

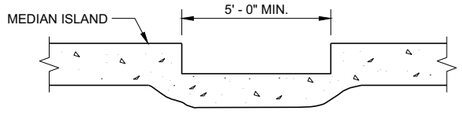
6

SDD 08D05 - 20d

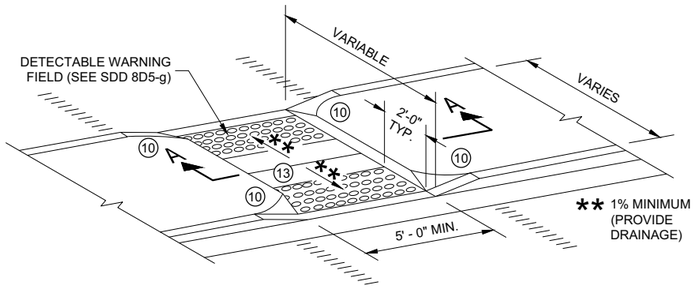


CURB RAMP TYPE 8

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 ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

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

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

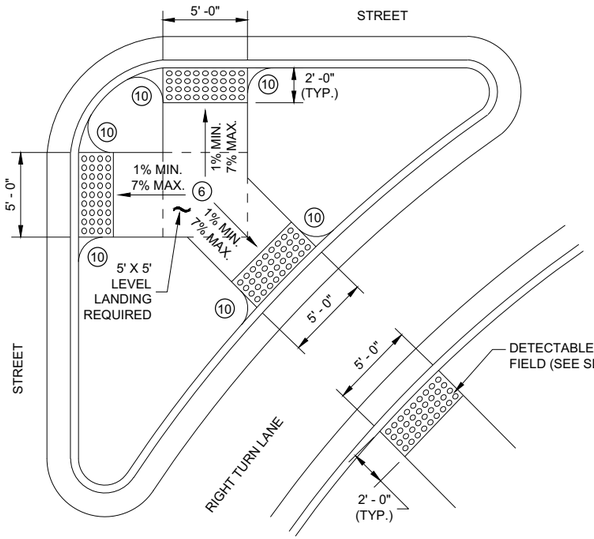
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. 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

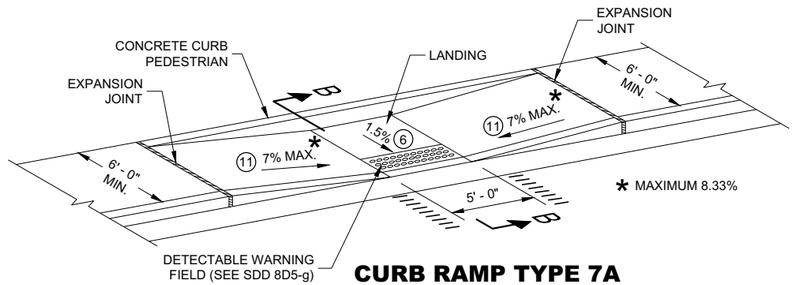
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

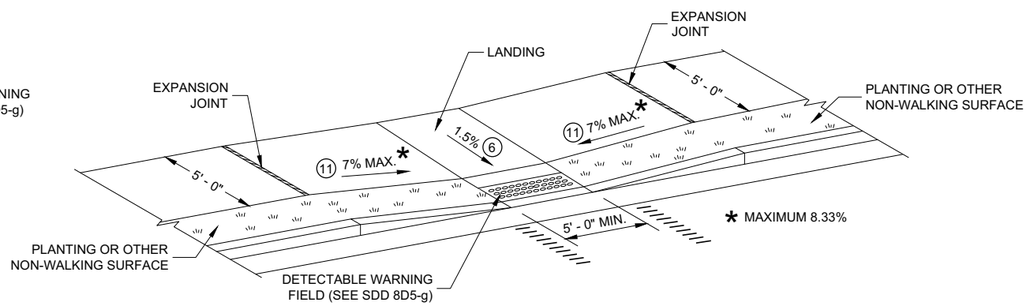
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

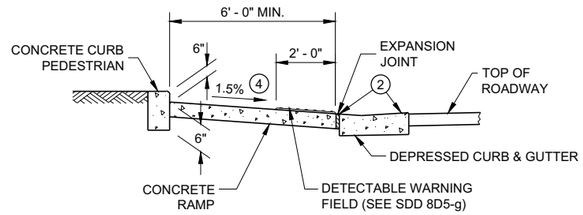
MID BLOCK CROSSING



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

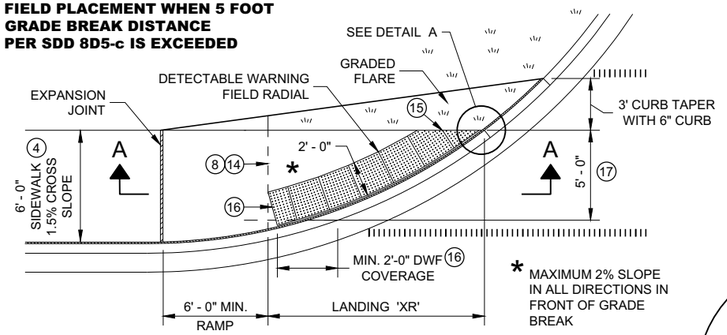
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

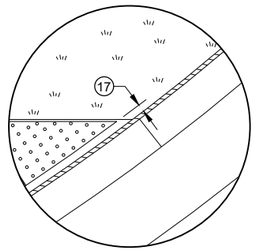
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



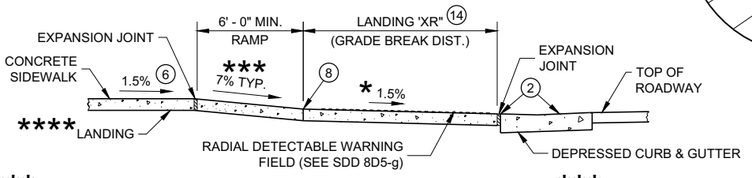
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

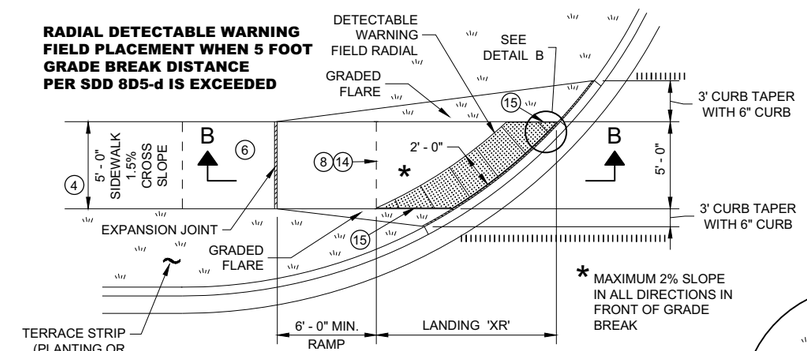


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

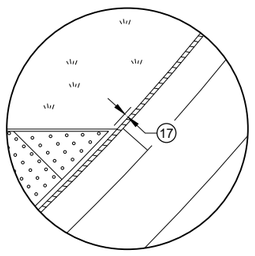
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



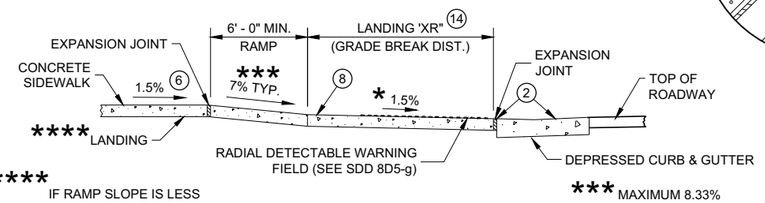
PLAN VIEW

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

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.

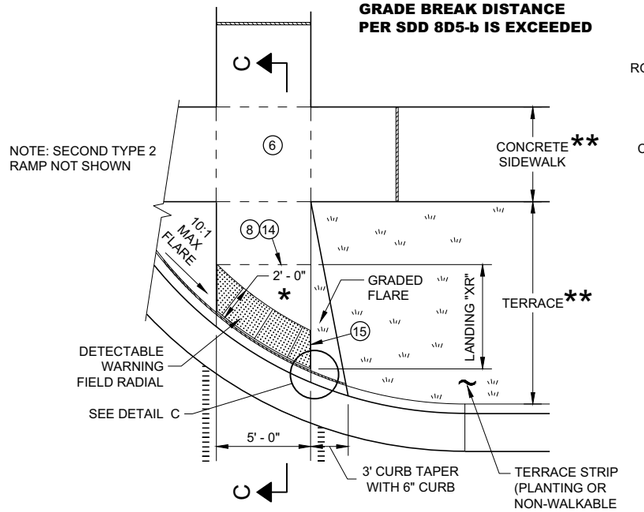
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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-b IS EXCEEDED

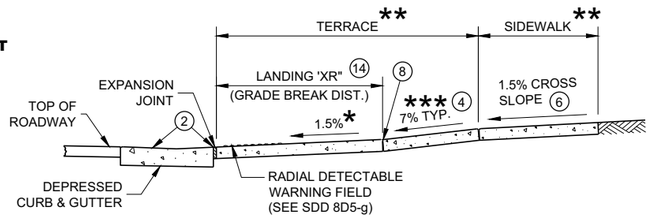


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

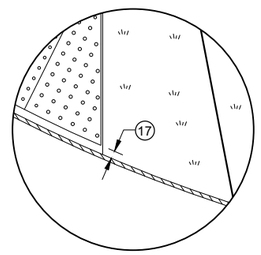


SECTION C - C FOR TYPE 2

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

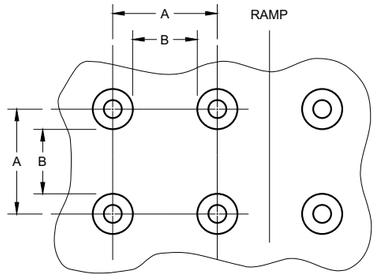
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

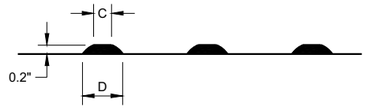
SDD 08D05 - 20f

	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.

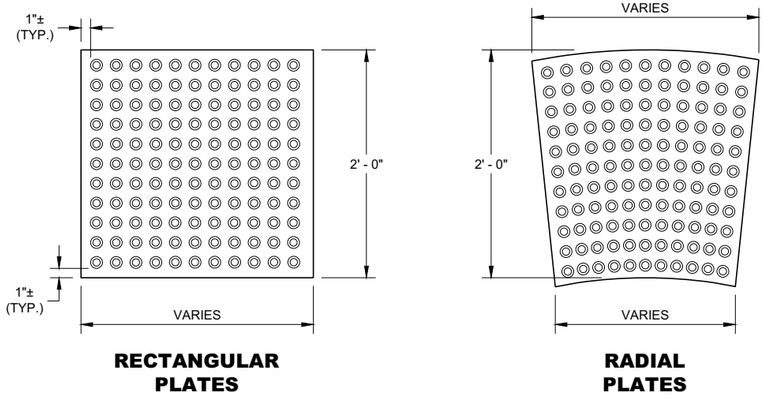


PLAN VIEW



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.

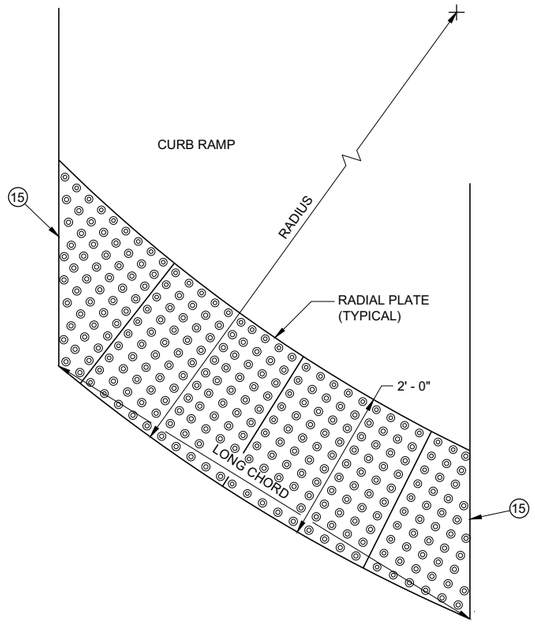
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

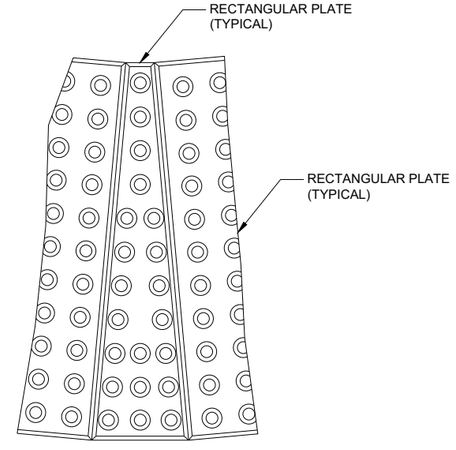
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

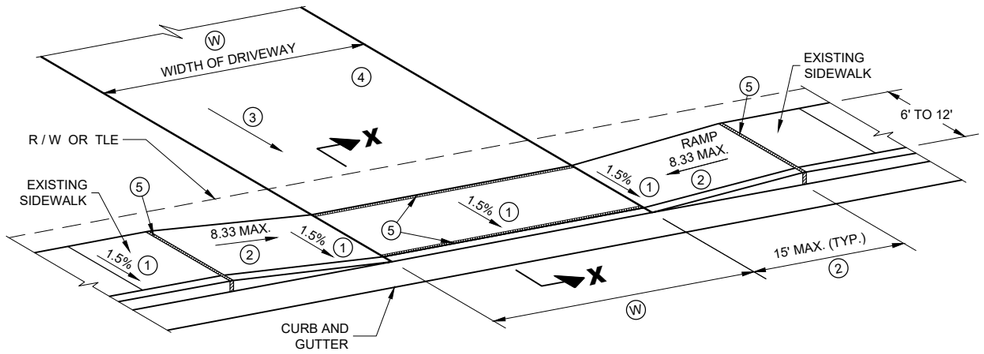
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

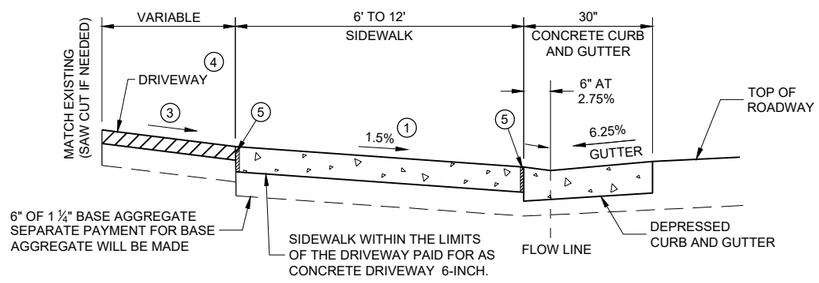
APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

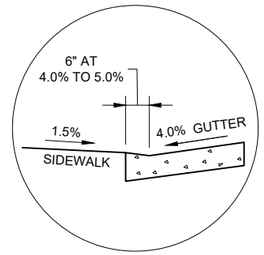
6
SDD 08D05 - 20g



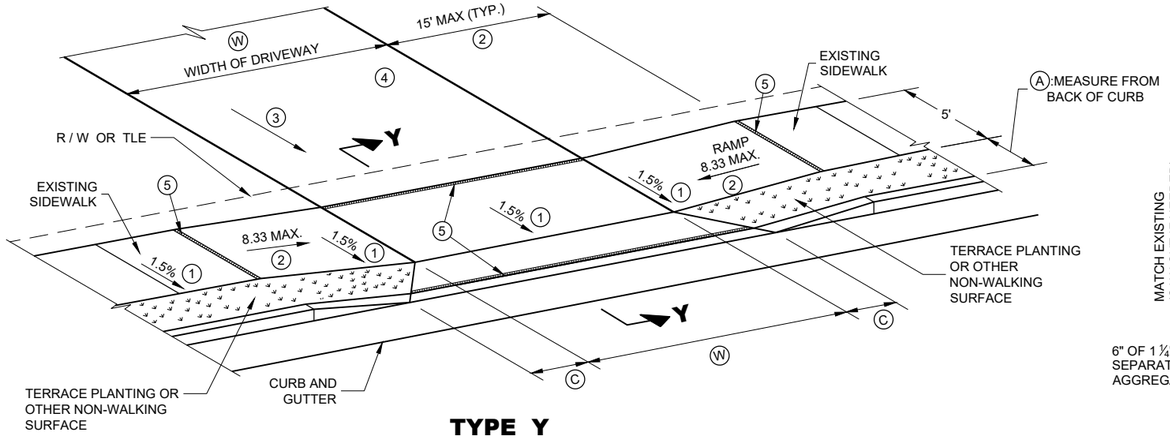
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



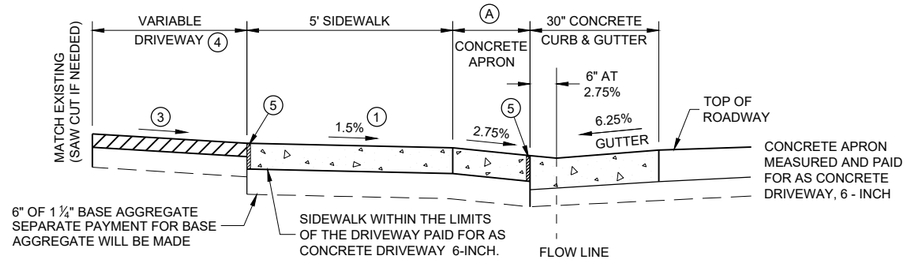
TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

W: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

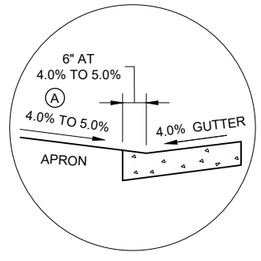
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

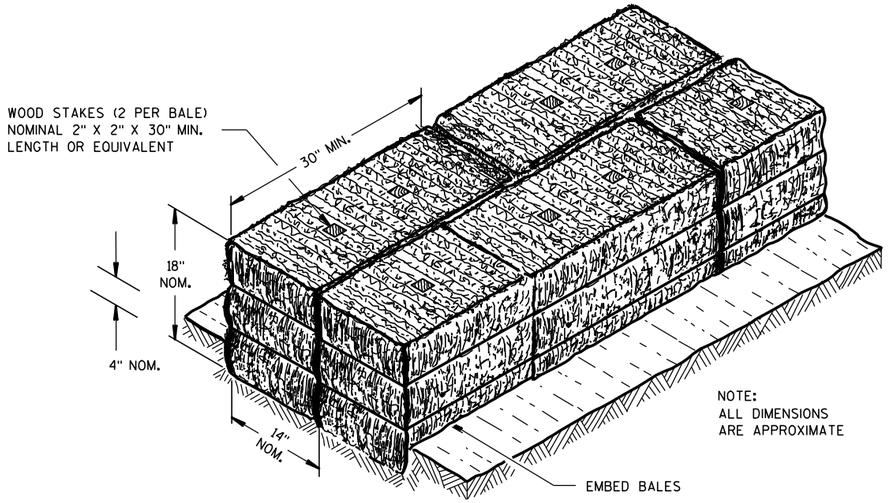
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

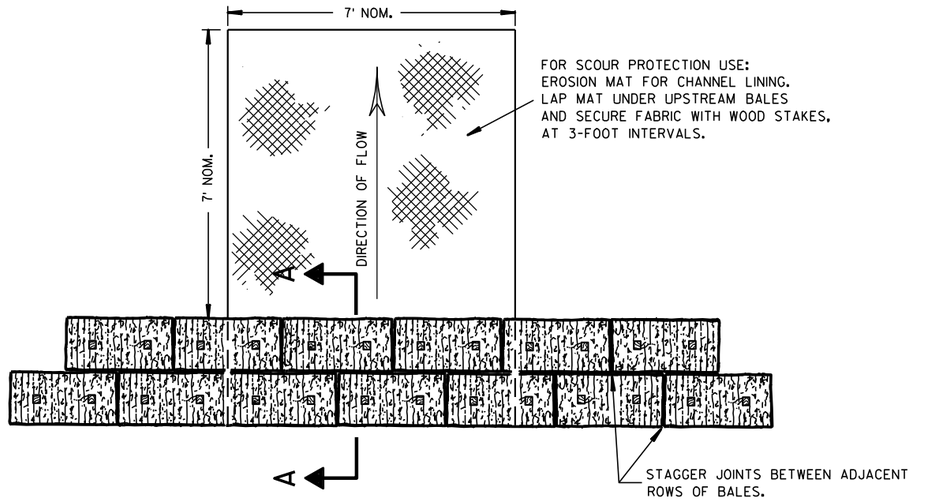
FHWA

SDD 08D18 - 03

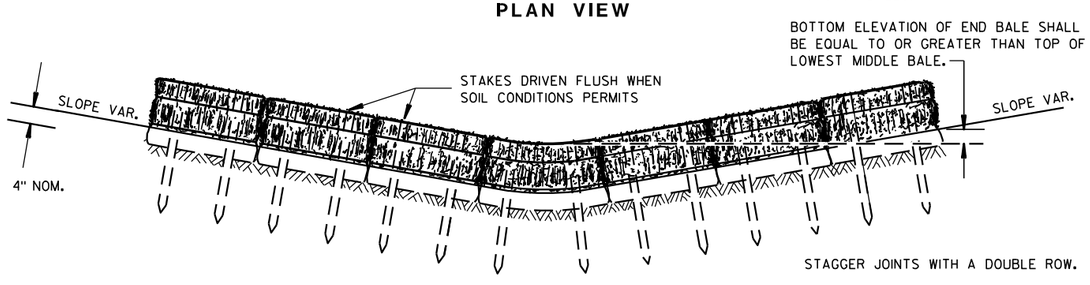
SDD 08D18 - 03



SECTION A-A



PLAN VIEW



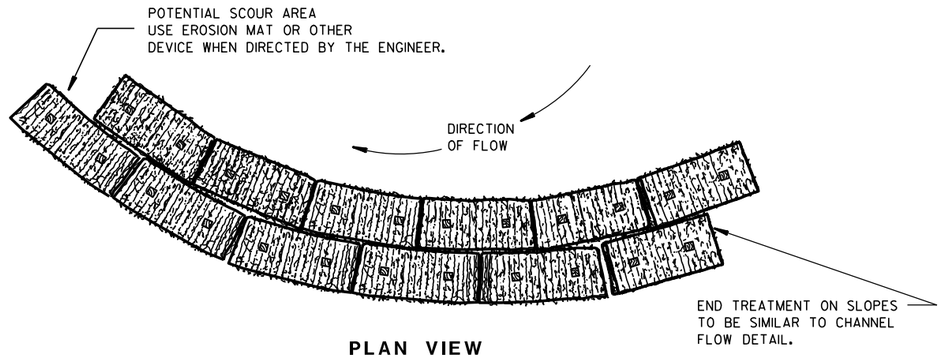
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

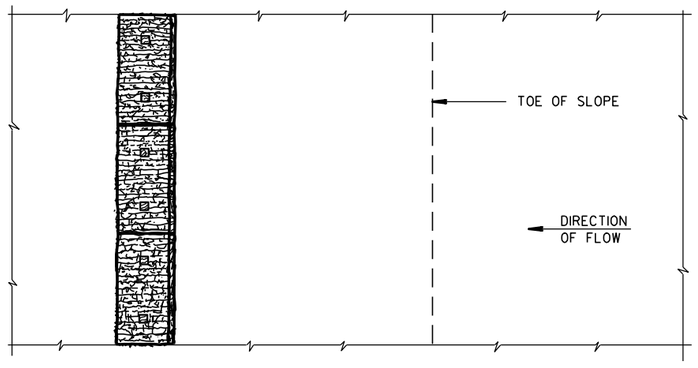
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

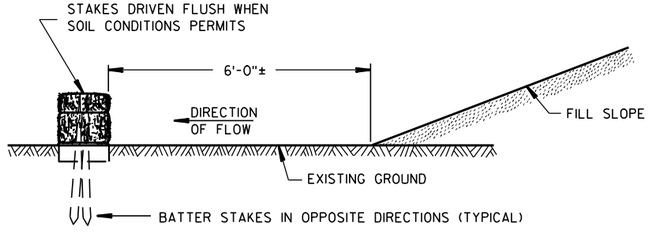


PLAN VIEW

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

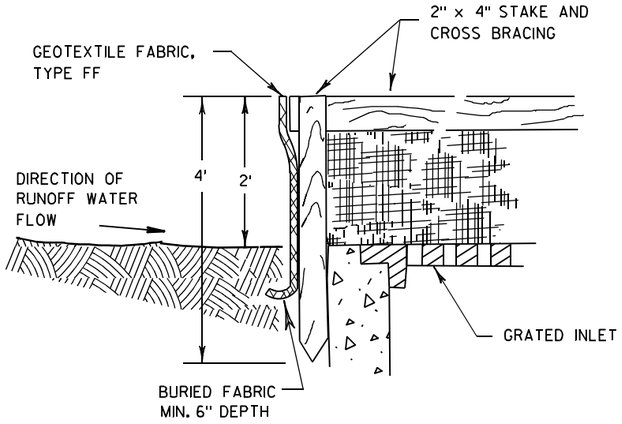
FHWA

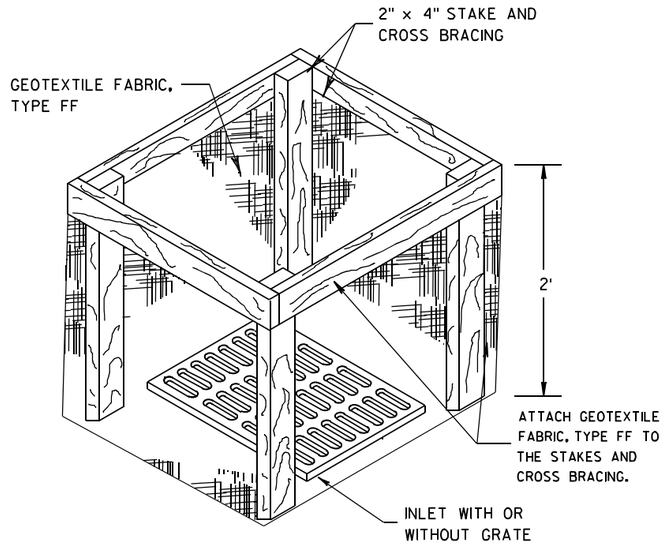
6

S.D.D. 8 E 8-3

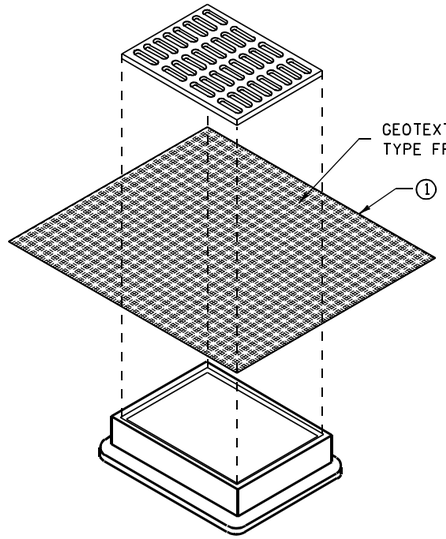
6

S.D.D. 8 E 8-3



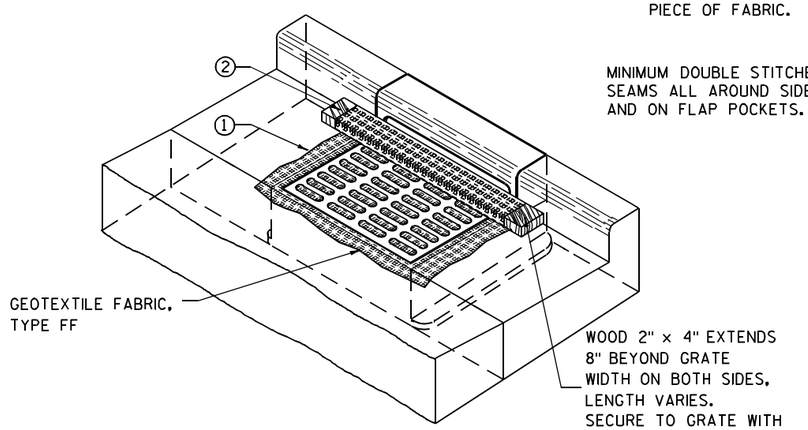


INLET PROTECTION, TYPE A

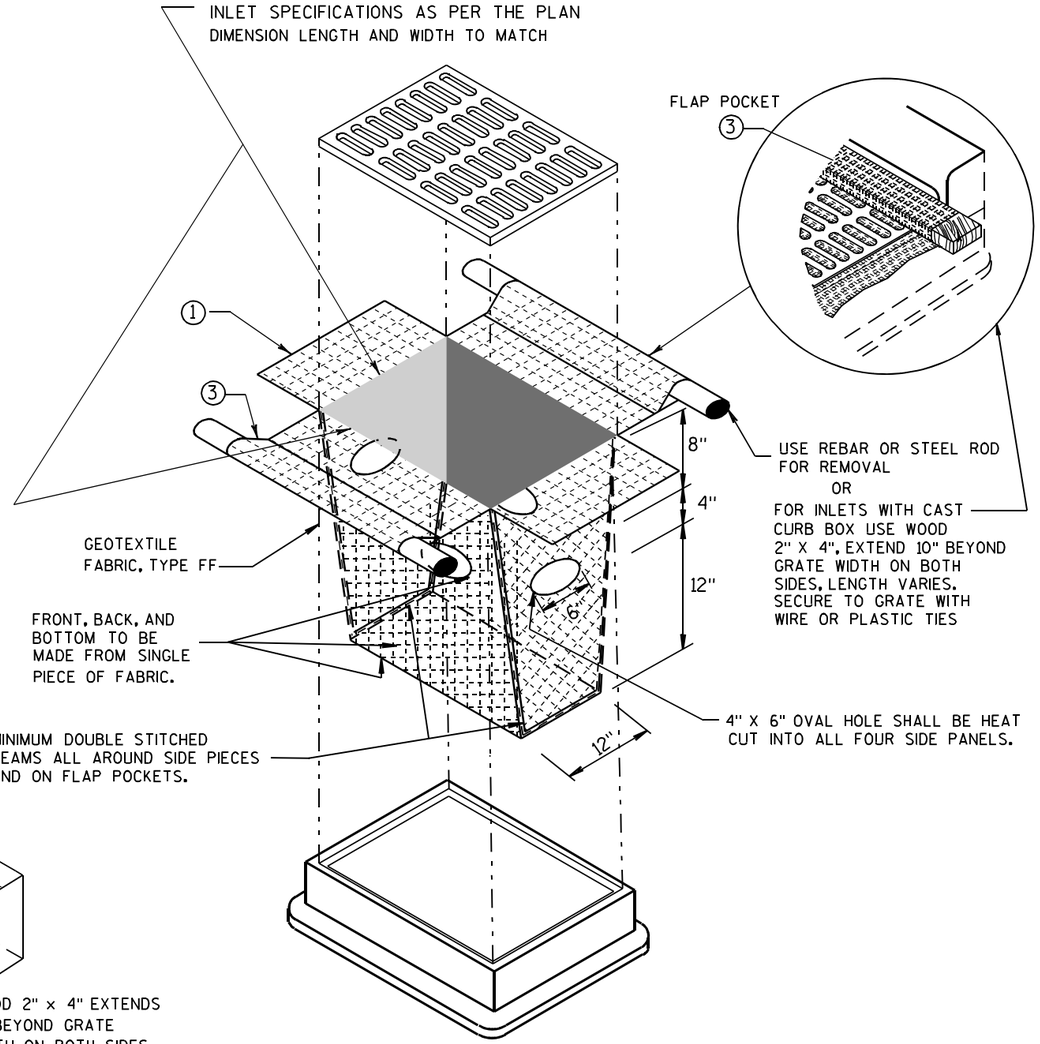


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

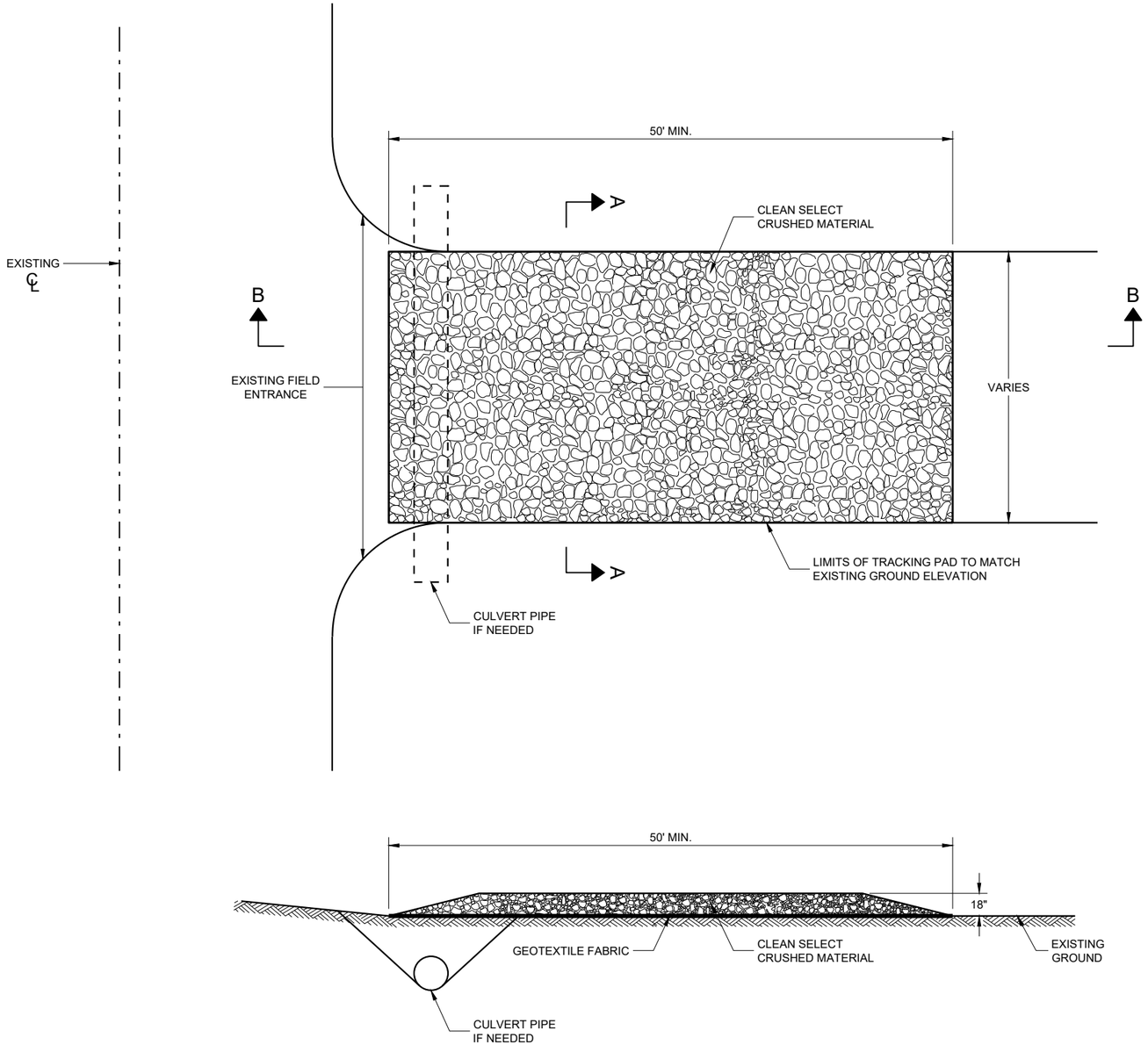
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE 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



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

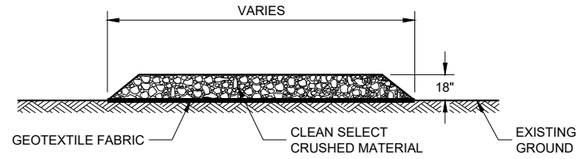
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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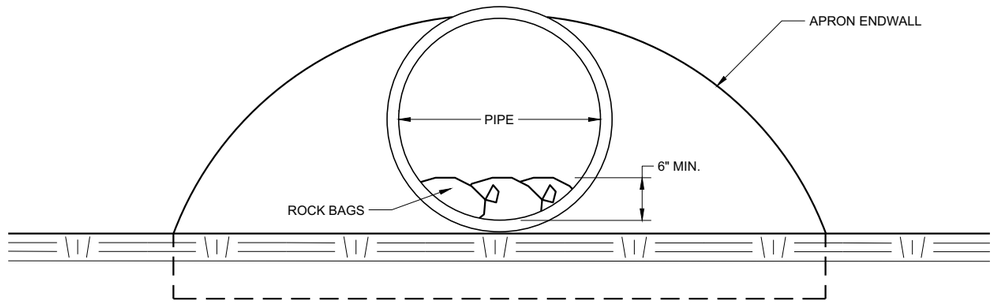
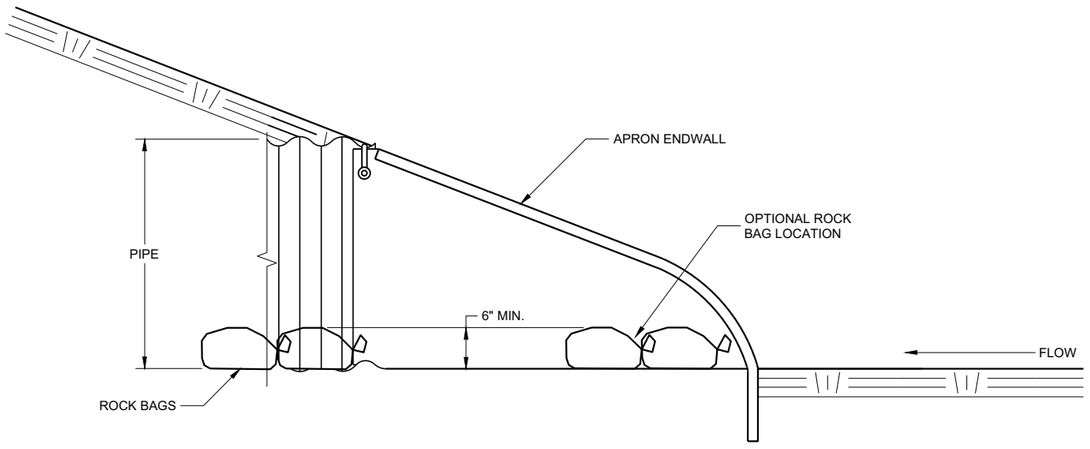
SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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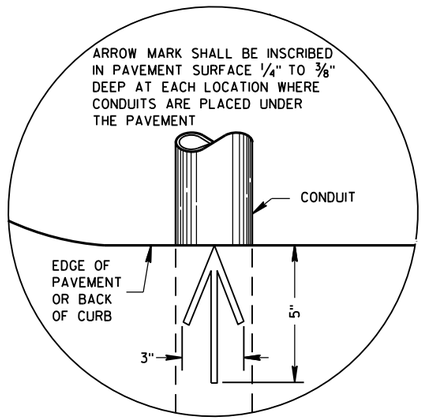
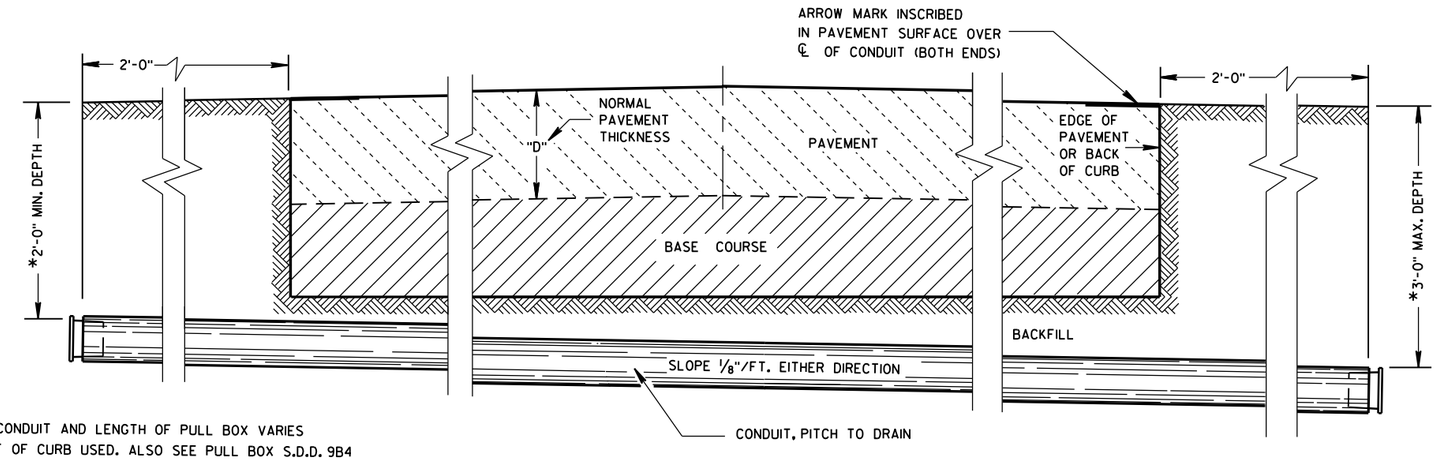
SDD 08E15 - 01



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

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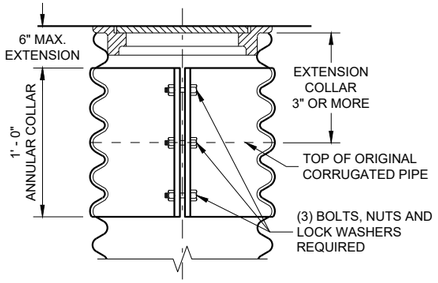
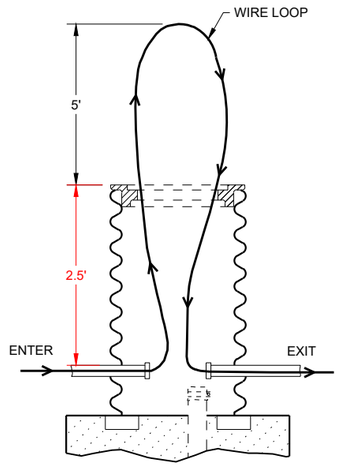
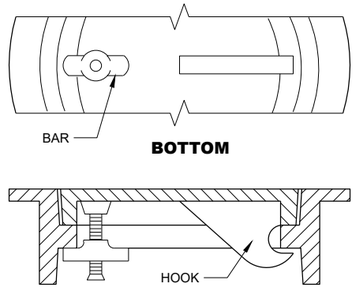
S.D.D. 9 B 2-10



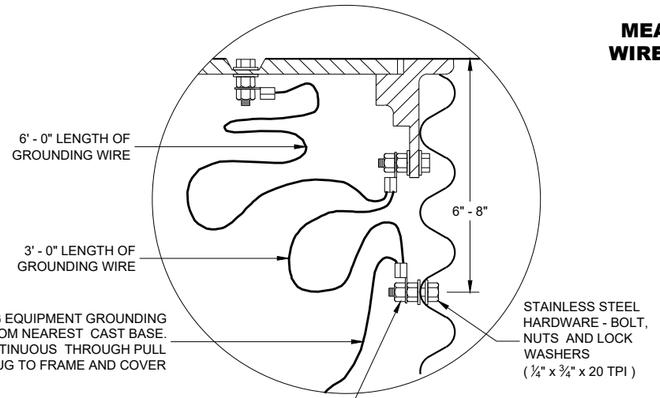
CORRUGATED PIPE EXTENDER



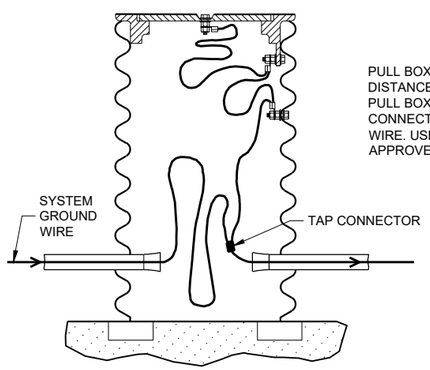
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

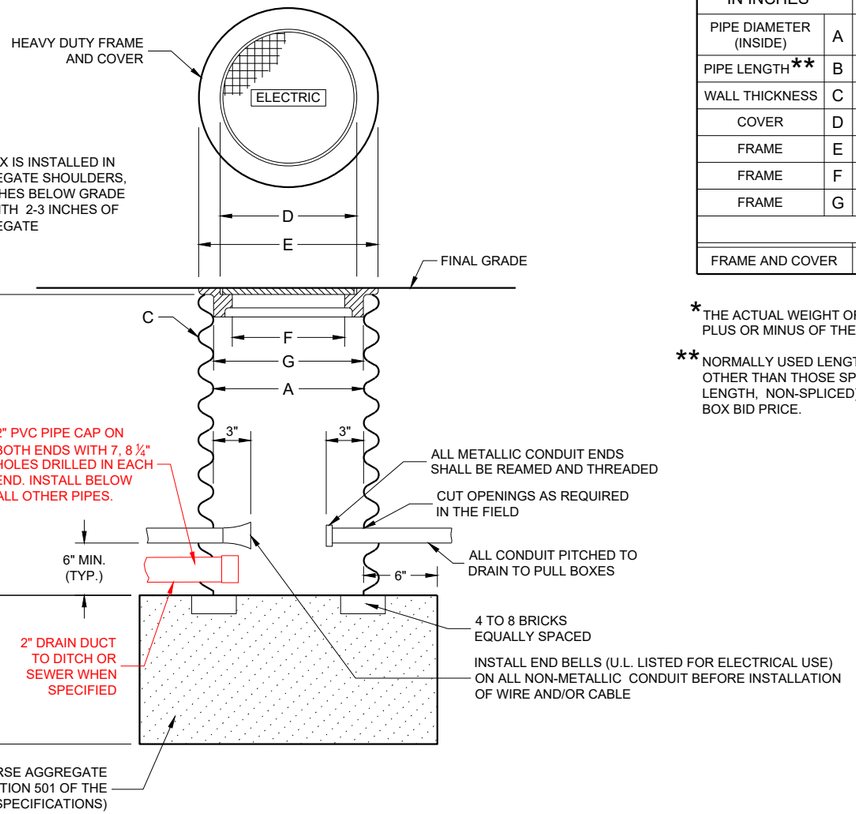


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

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.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

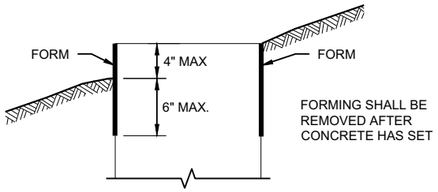
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 266

FHWA

6
SDD 09B04-12

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.

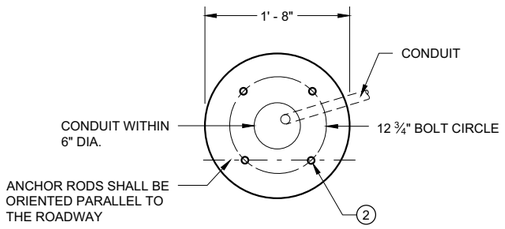
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

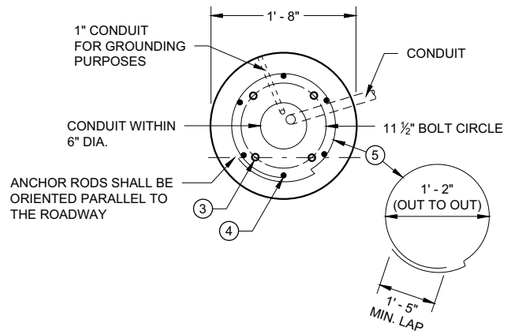
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

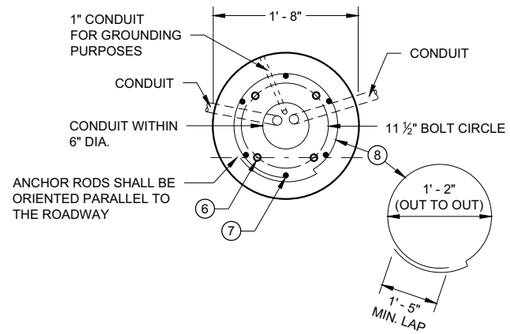
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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).







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

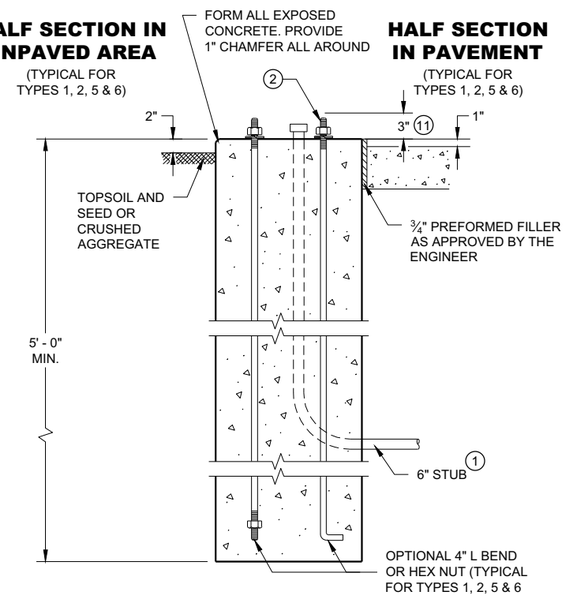
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

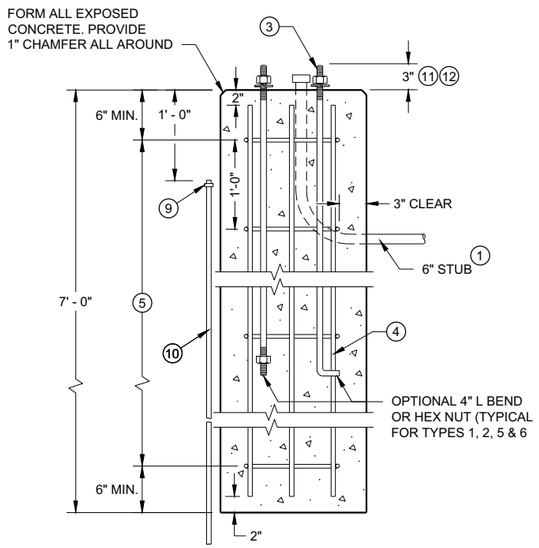
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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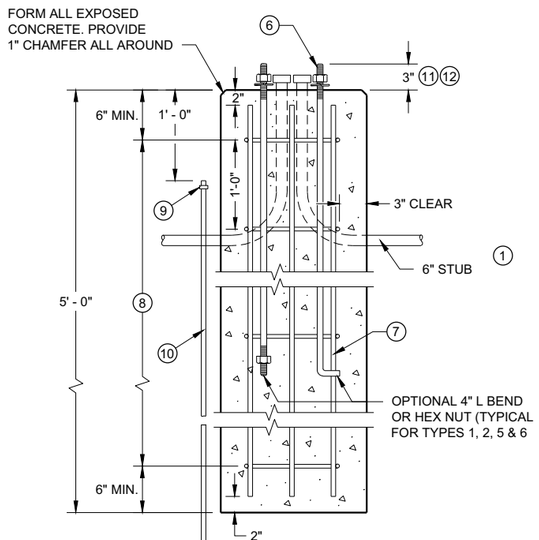


TYPE 5 & 6

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

267

FHWA

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.

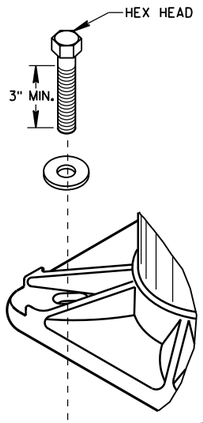
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

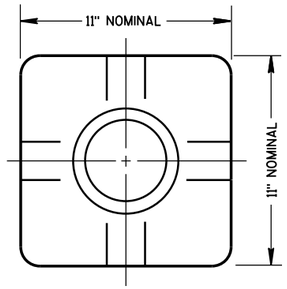
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

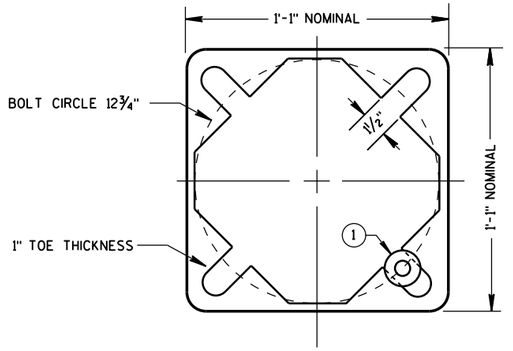
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

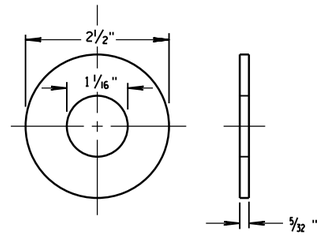




TOP VIEW
(PEDESTAL BASE)

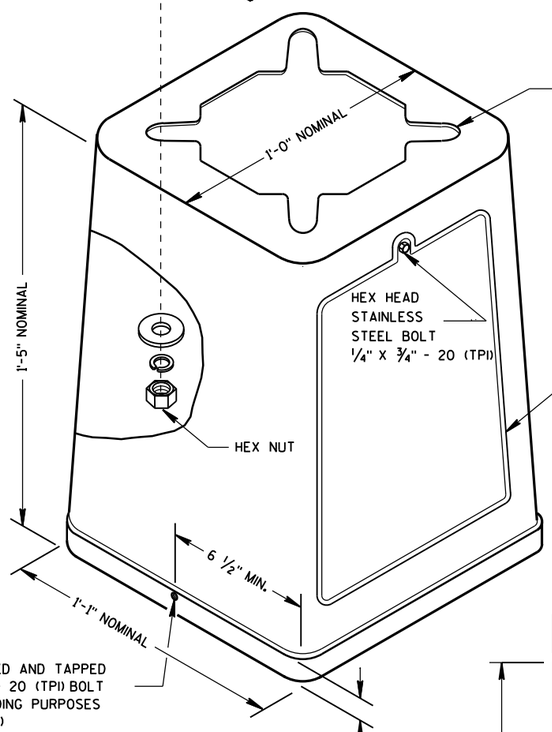


BOTTOM VIEW
(PEDESTAL BASE)

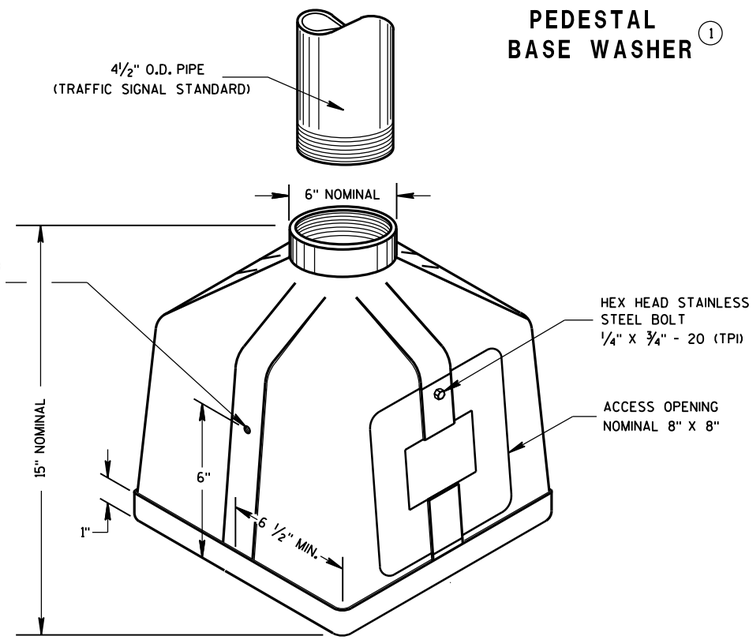


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

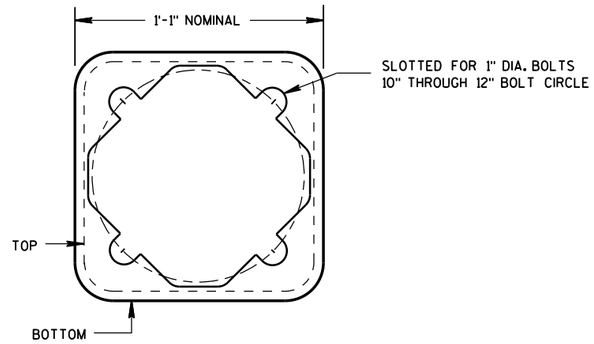


ISOMETRIC VIEW

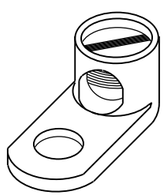


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

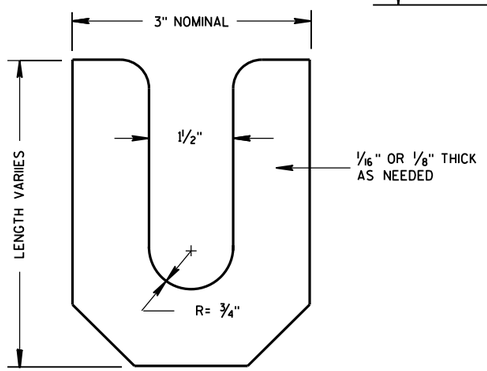


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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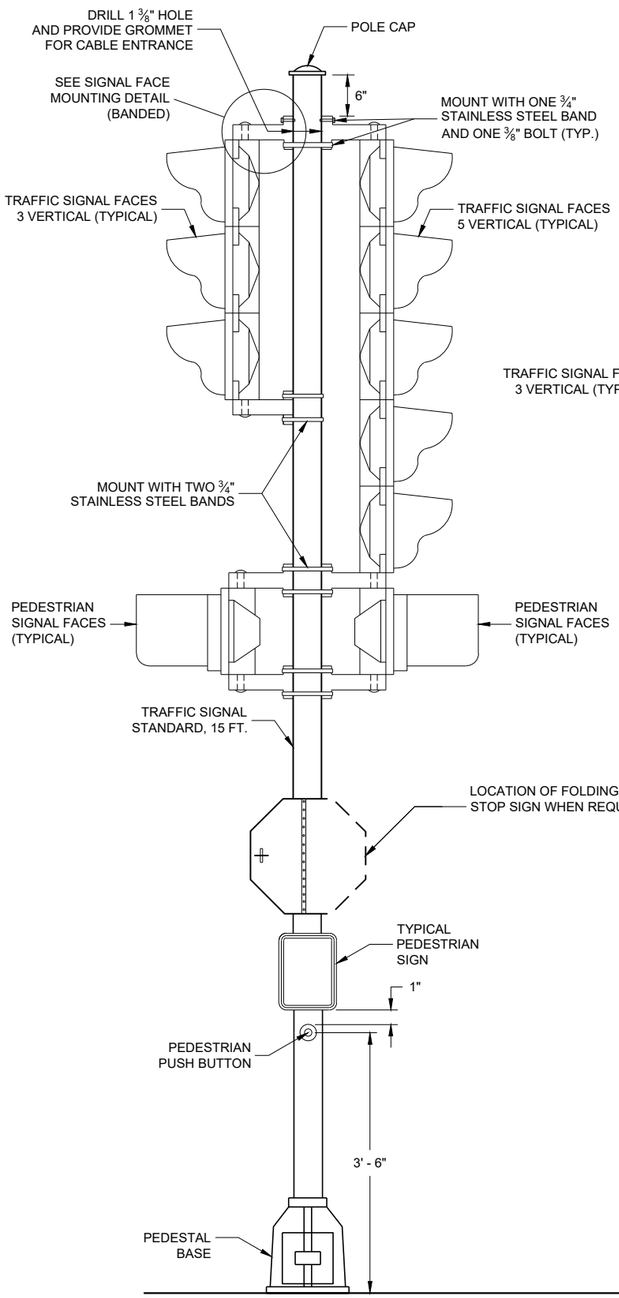
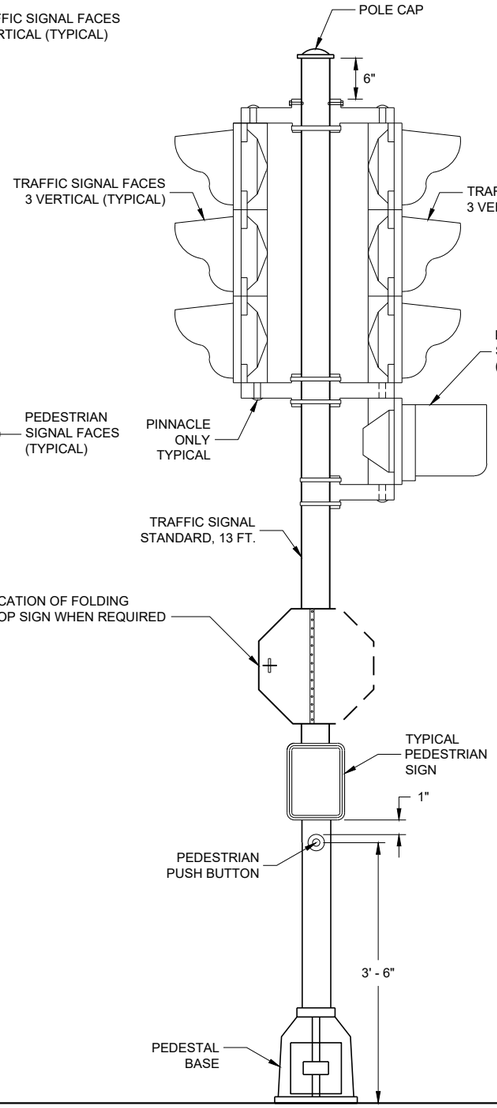
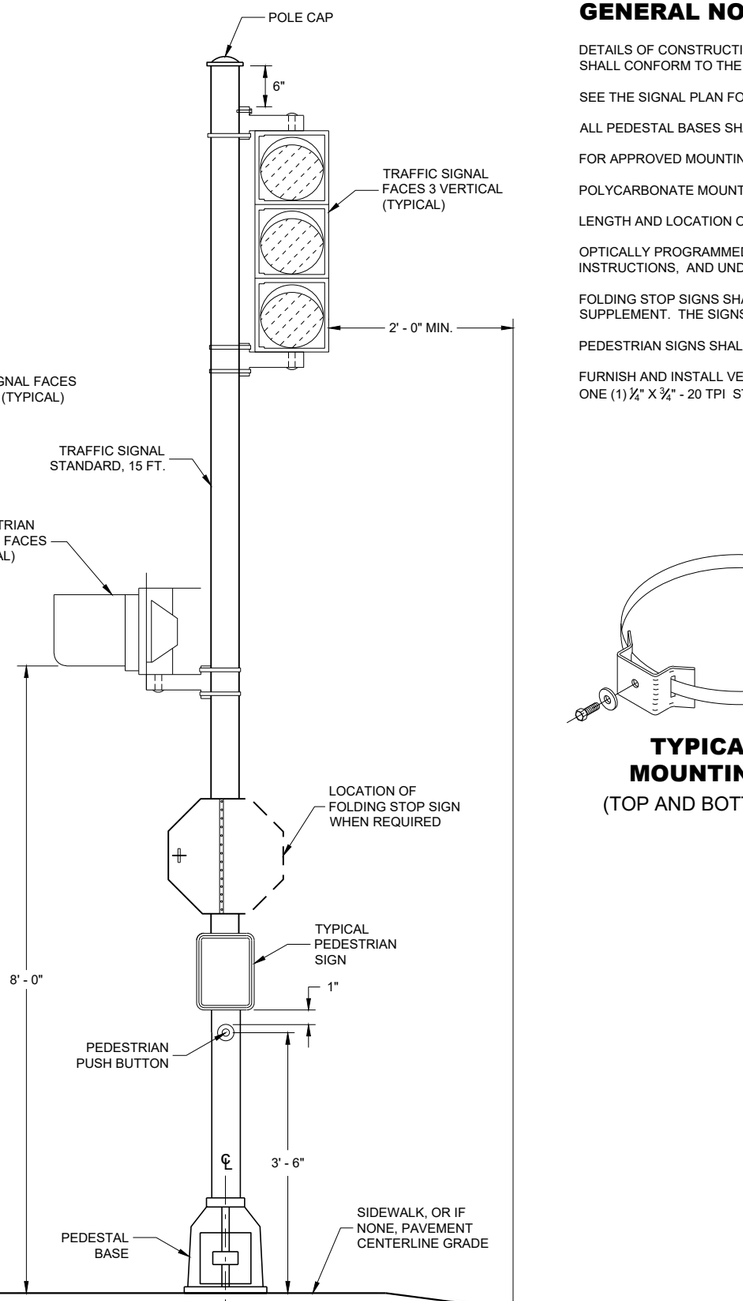


TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

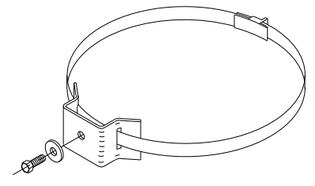
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

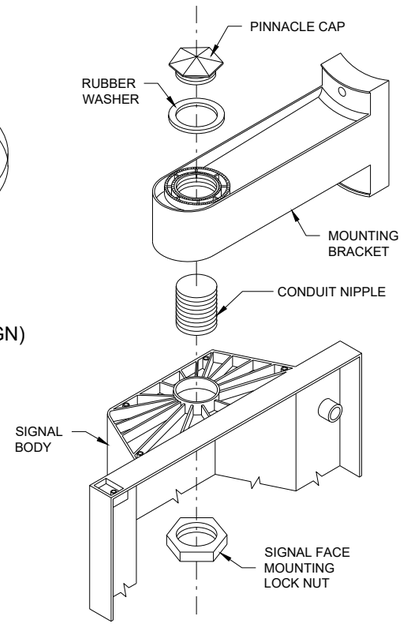
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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2/28/2013
DATE

/S/ Ahmet Demirbilek
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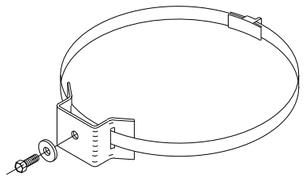
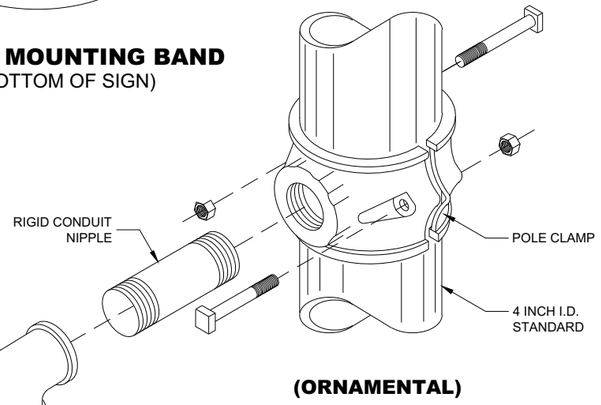
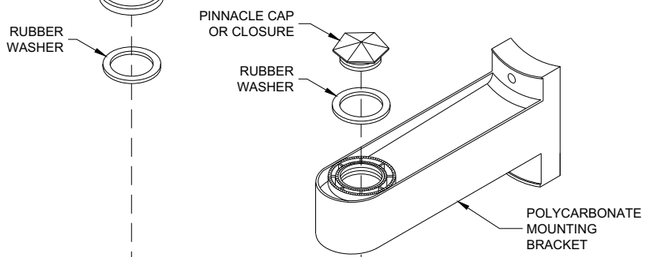


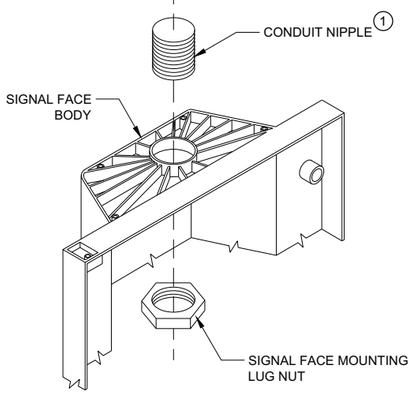
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



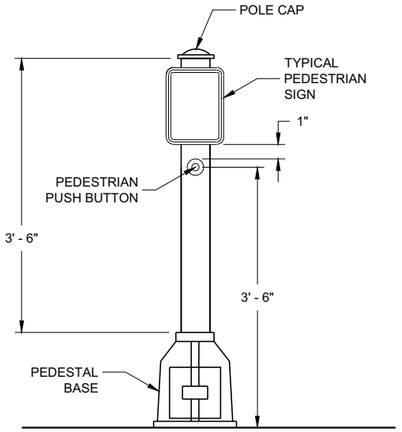
(ORNAMENTAL)



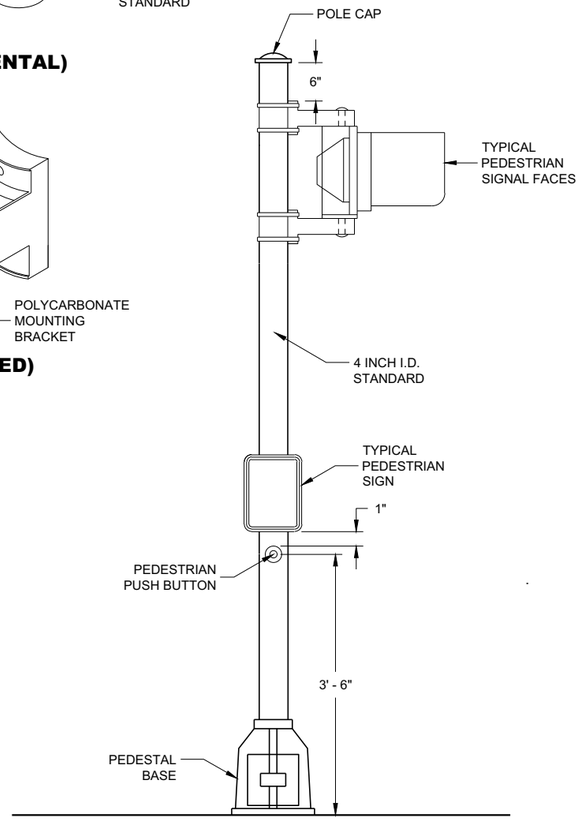
(BANDED)



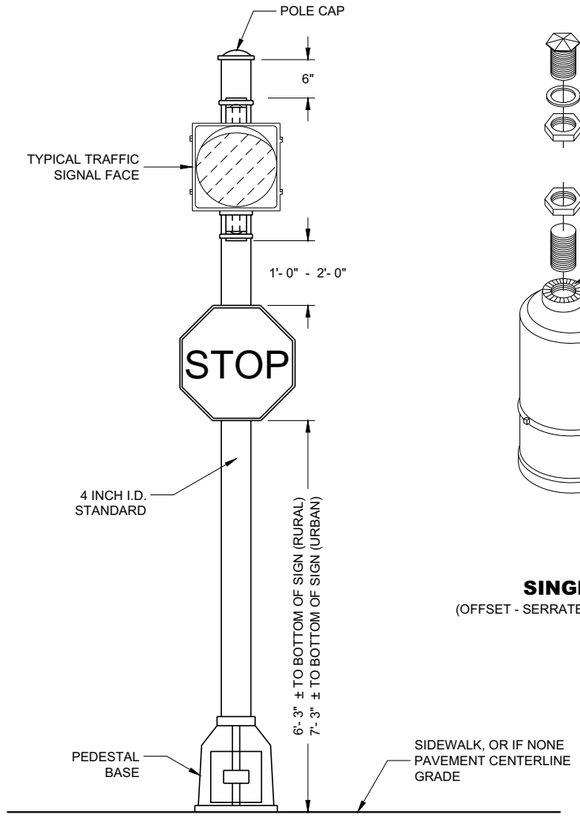
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

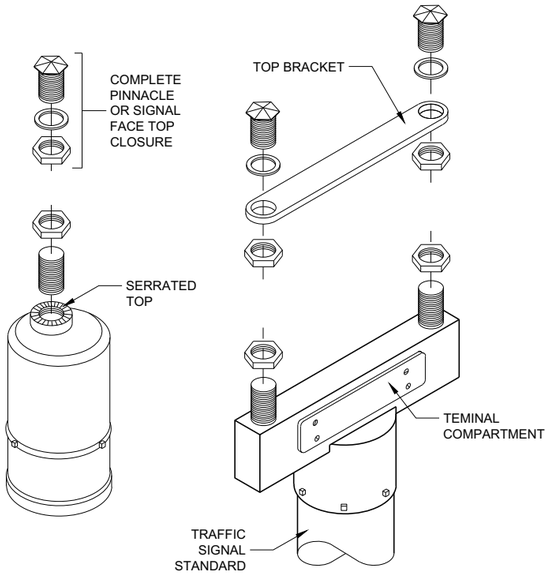
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 270

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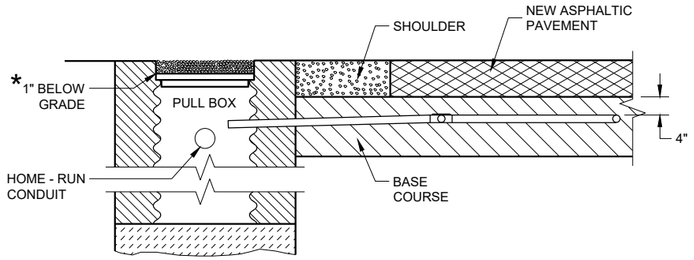
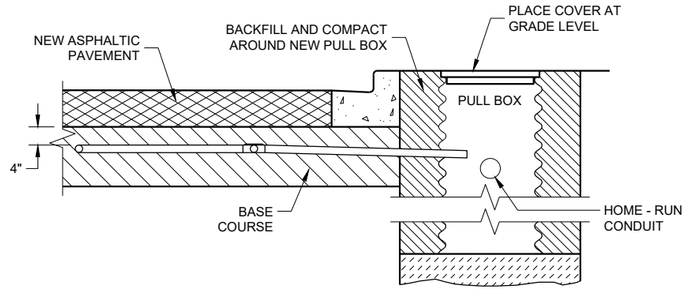


SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

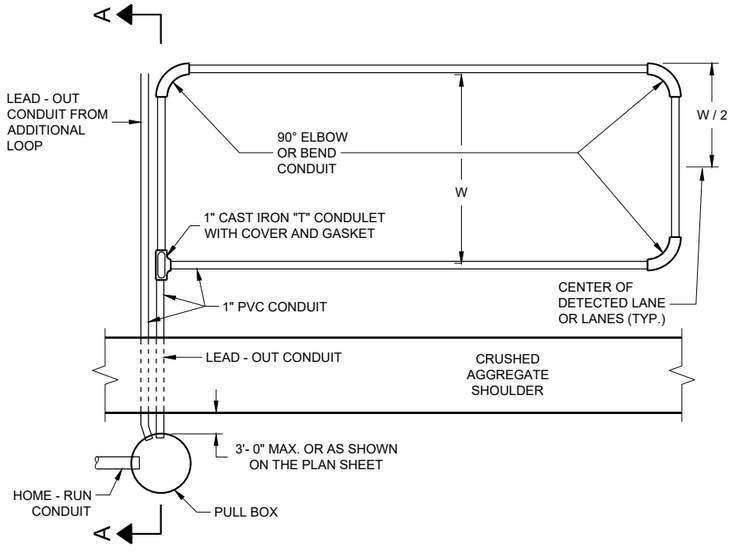
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

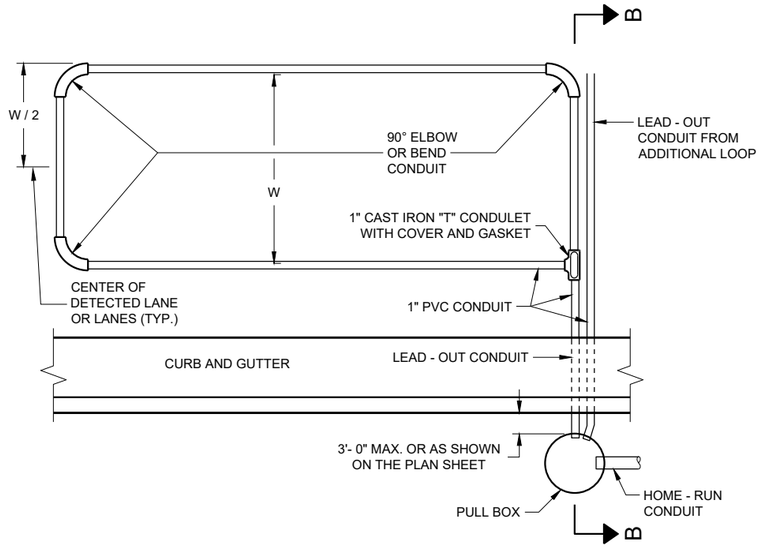
PROTECTION OF THE PULL BOX AND CONDULET SHALL BE REQUIRED AFTER THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



TYPICAL PLAN OF LOOP DETECTOR



TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
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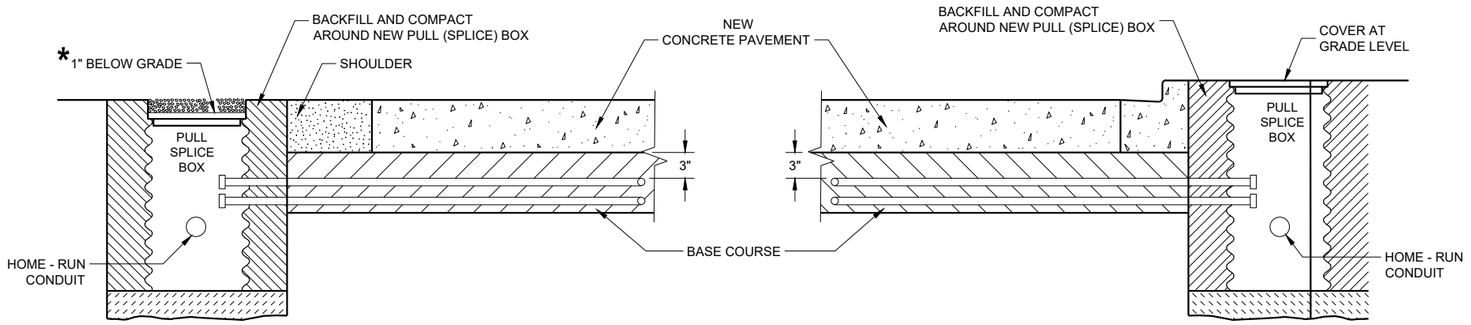


SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

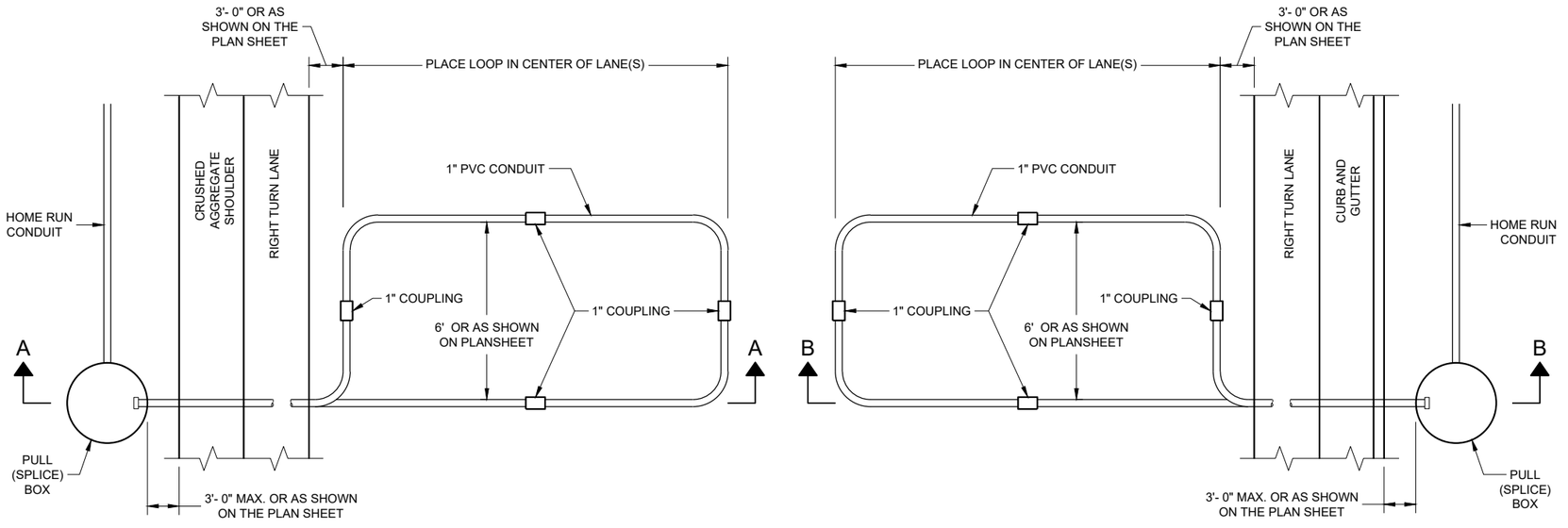
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

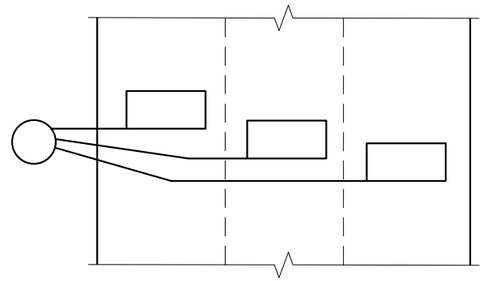
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR
WITH 24" PULL (SPLICE) BOX



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09F15 - 04b

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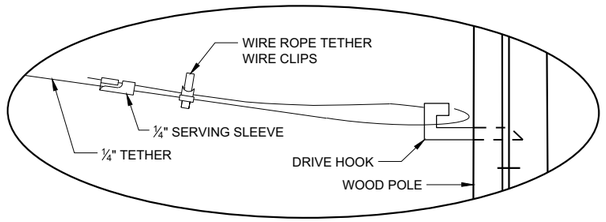
SDD 09F15 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

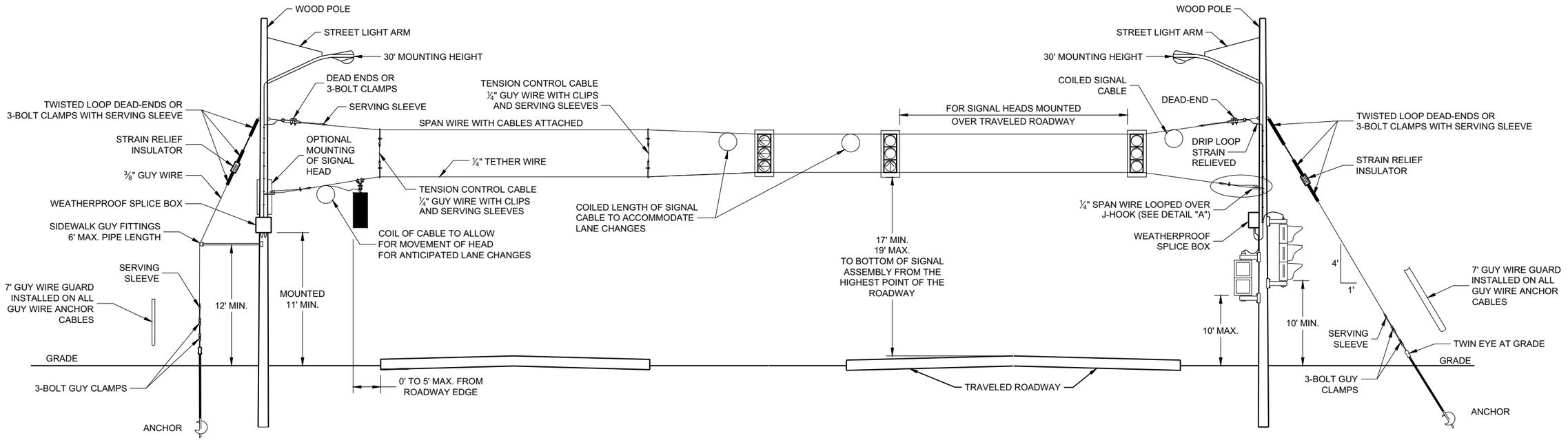


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   - A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   - B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   - C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   - D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   - E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   - A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   - B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   - C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

SDD09G01 - 04b

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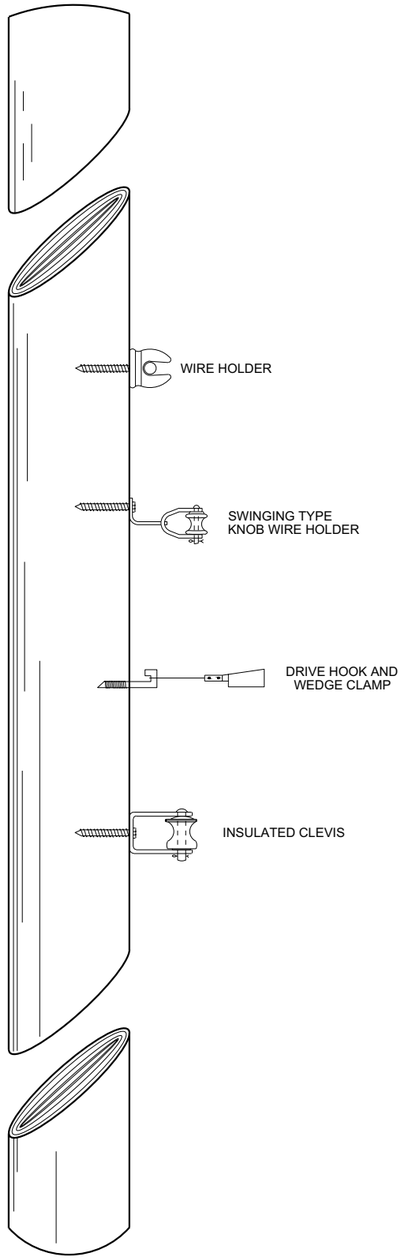

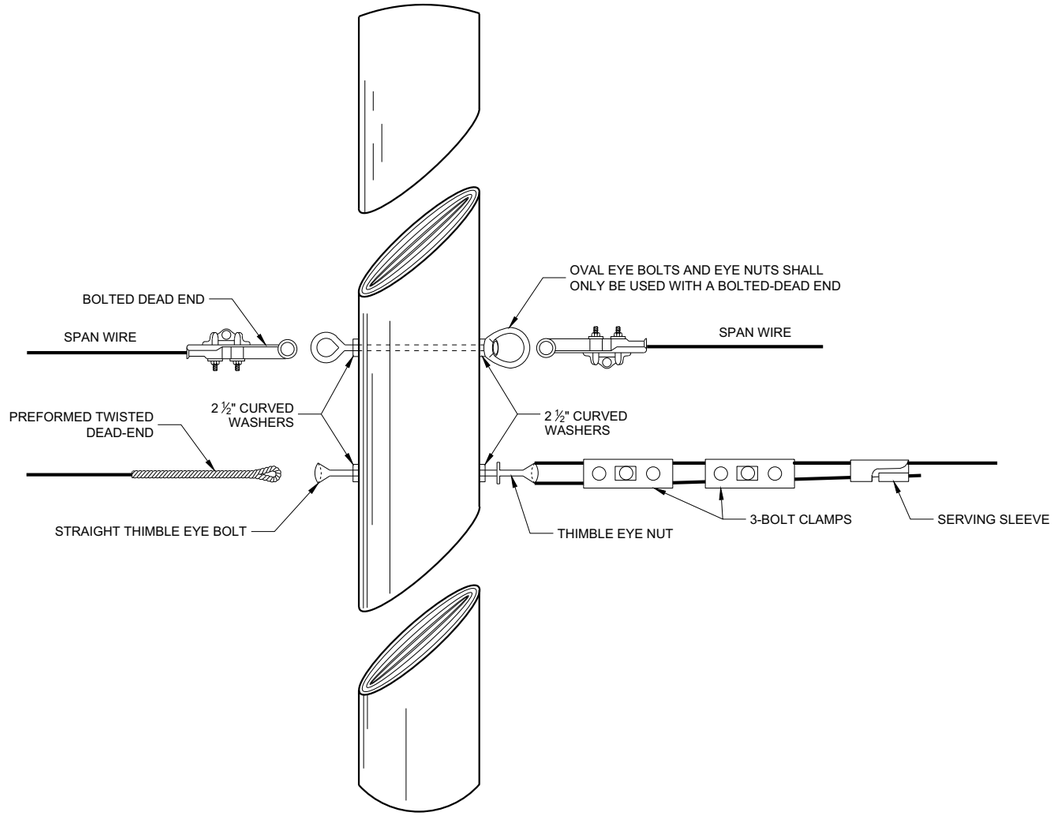

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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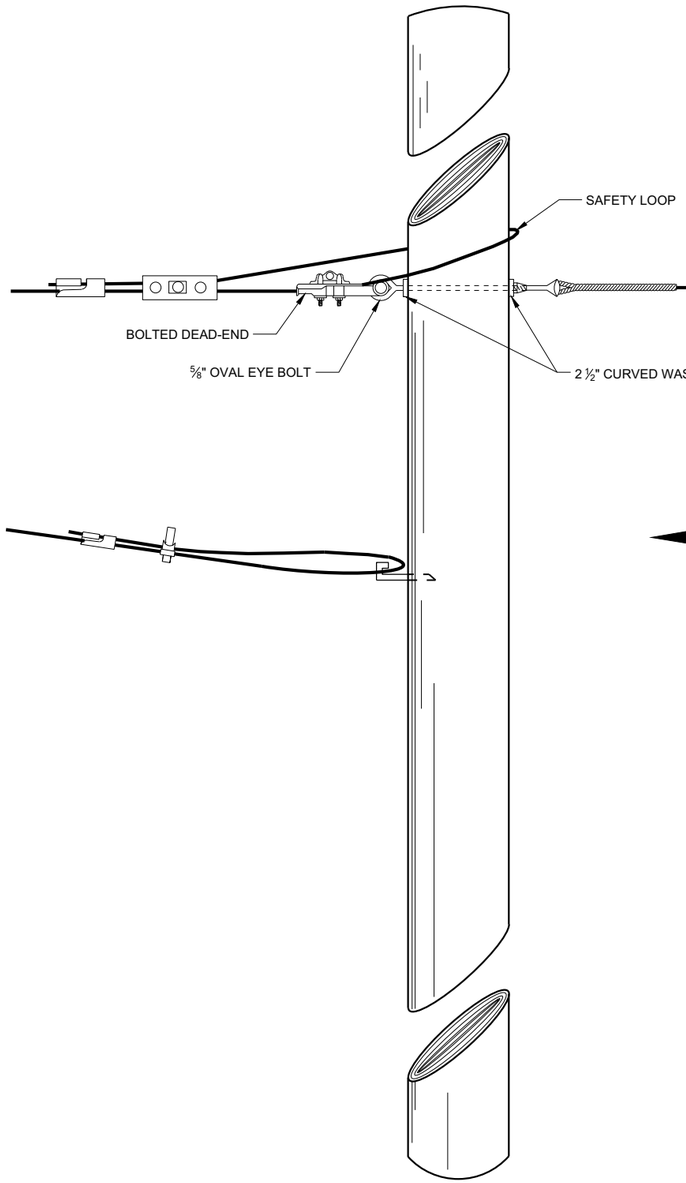
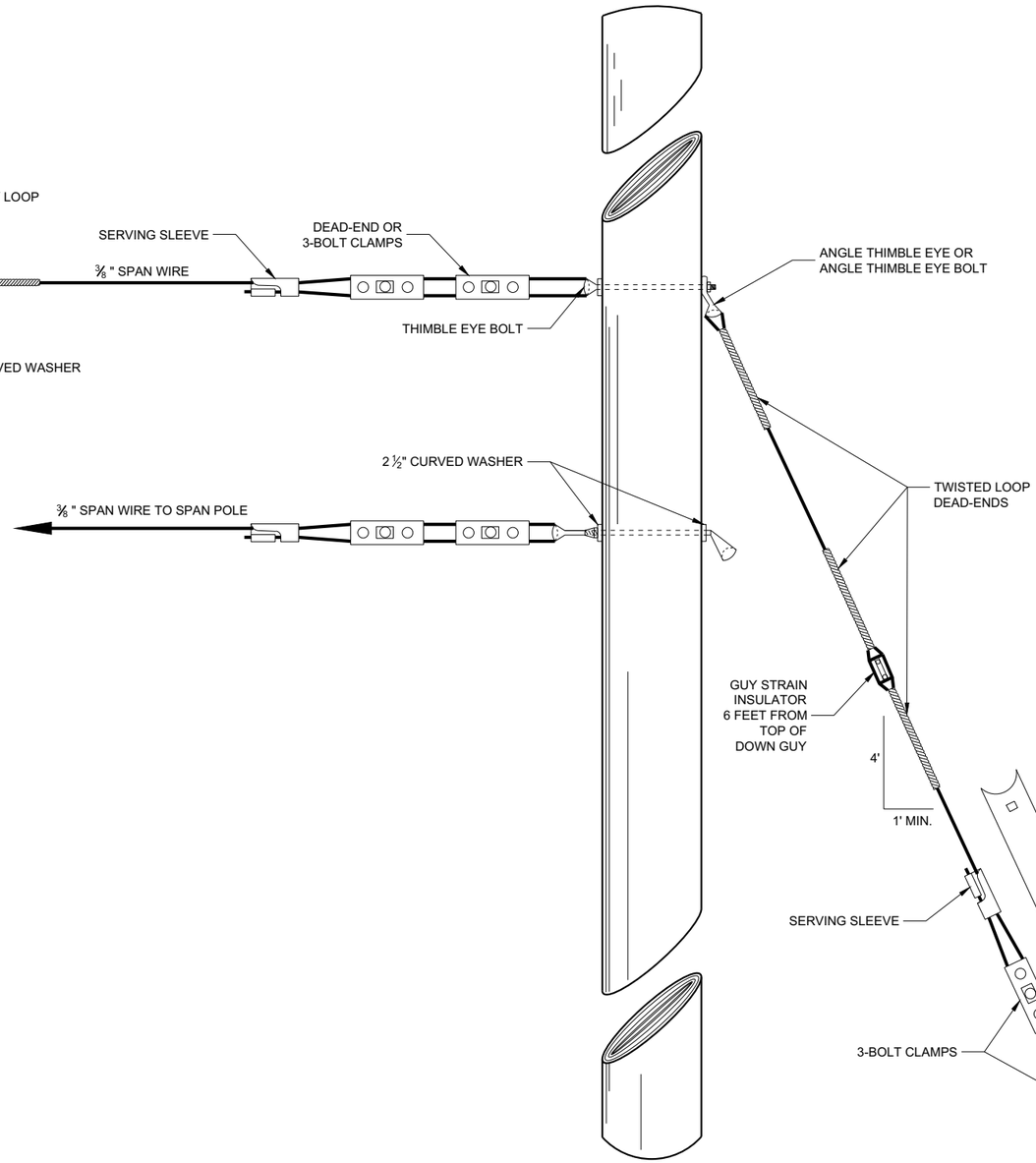
SDD 09G01 - 4d

GENERAL NOTES

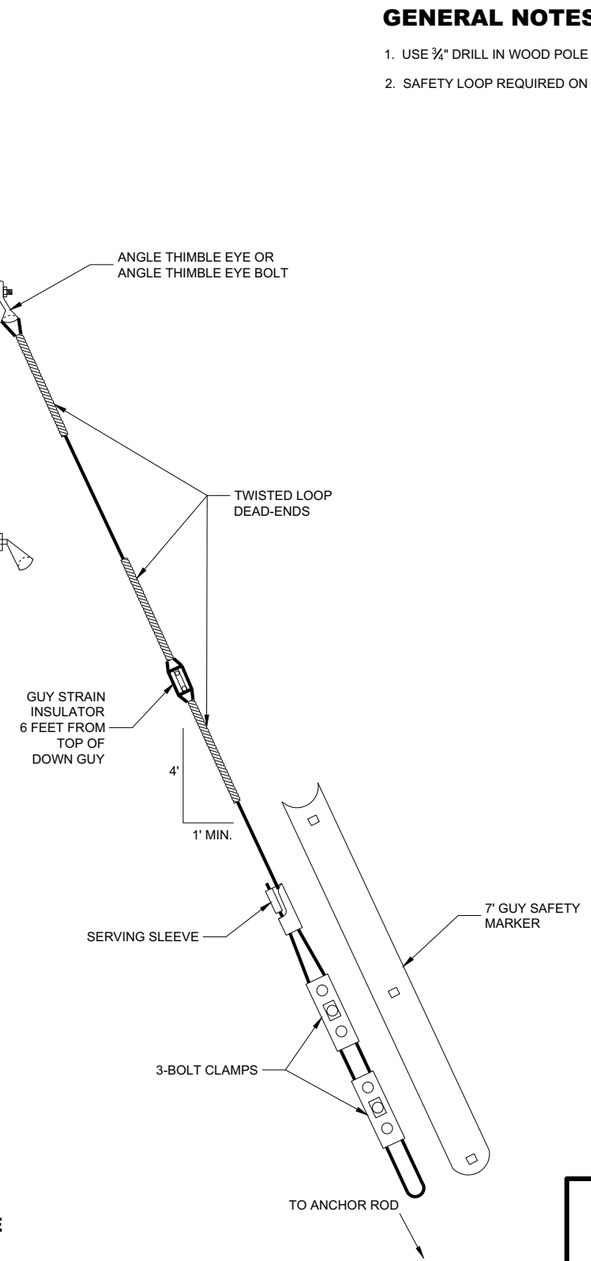
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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SDD 09G01 - 4e

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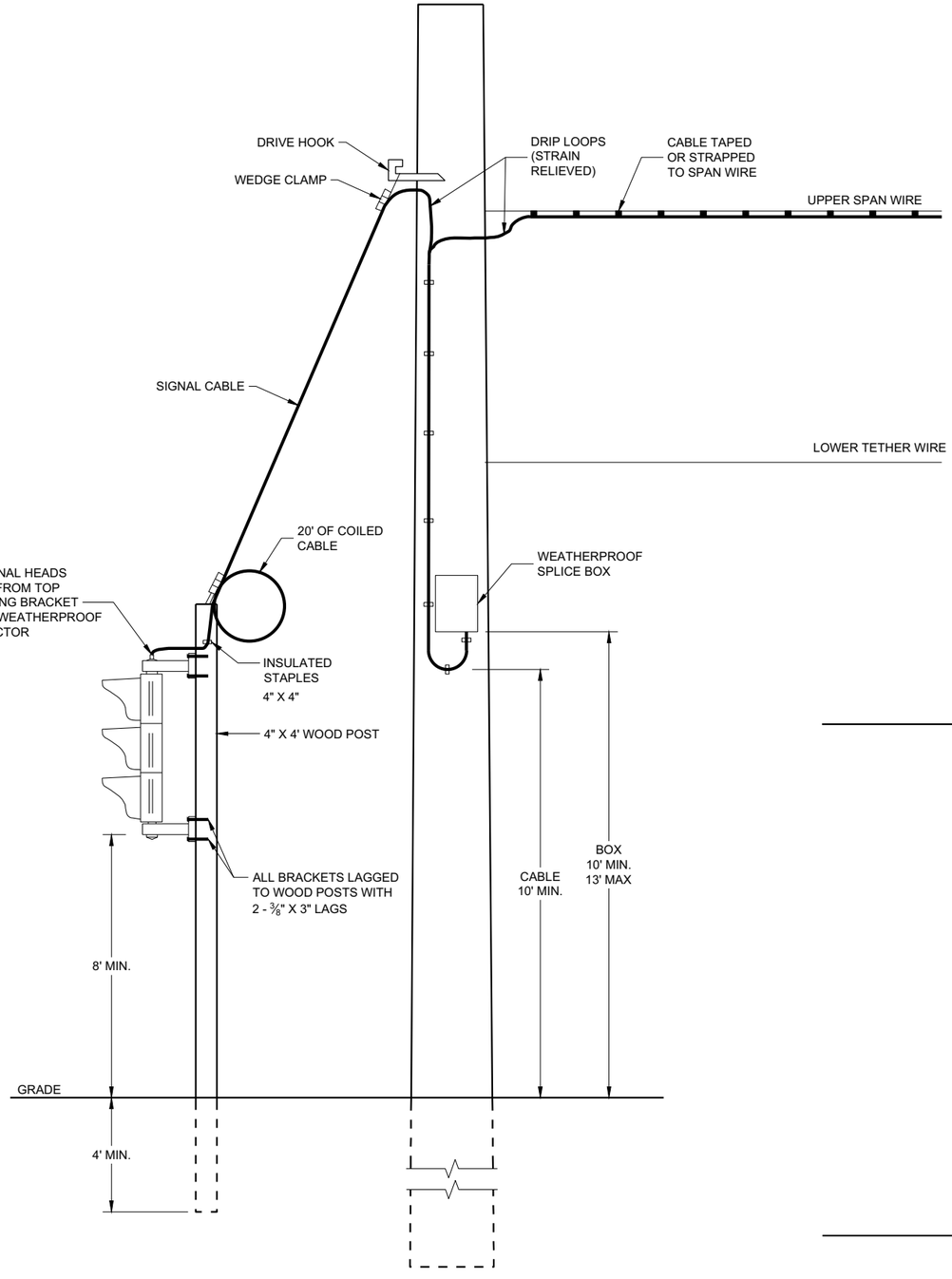
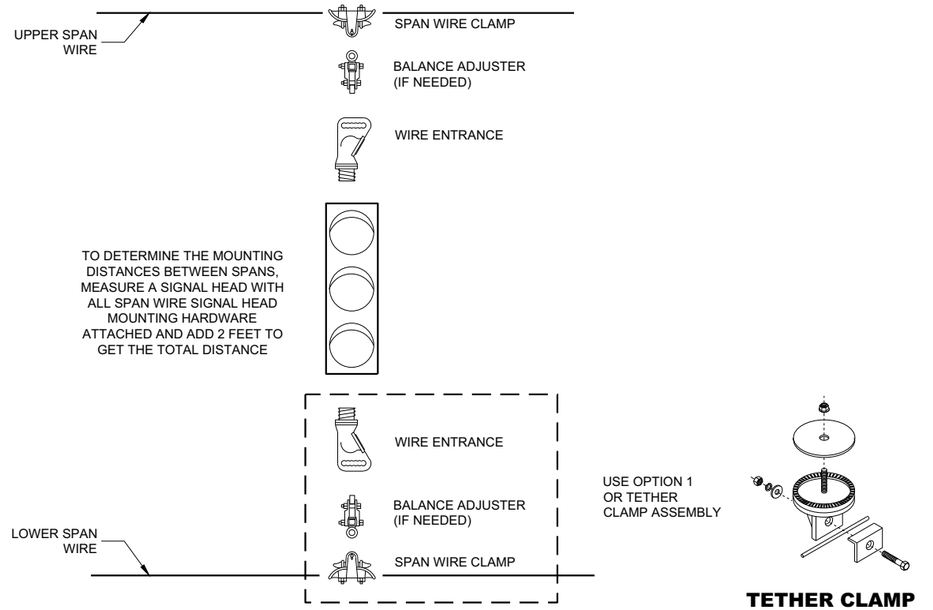


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

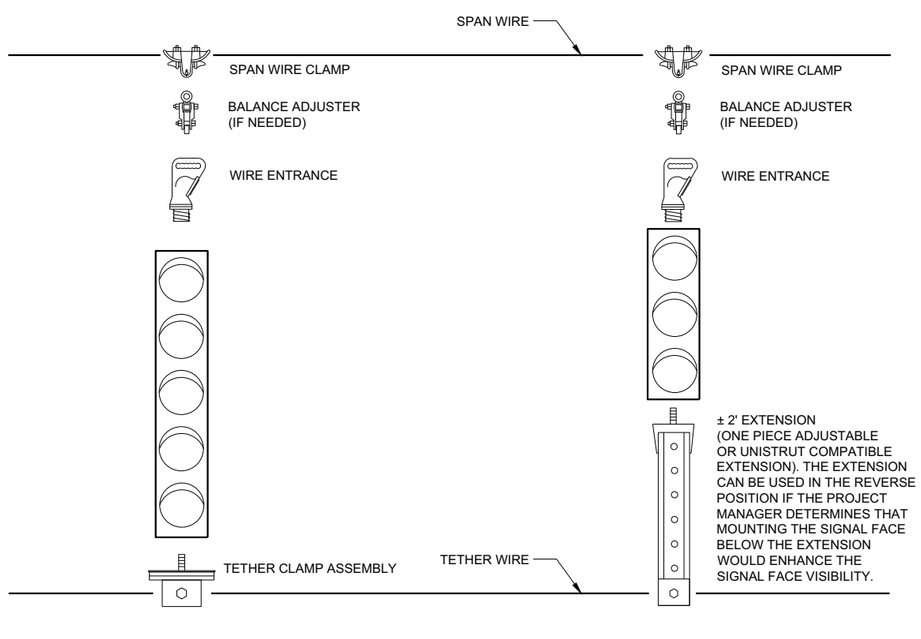


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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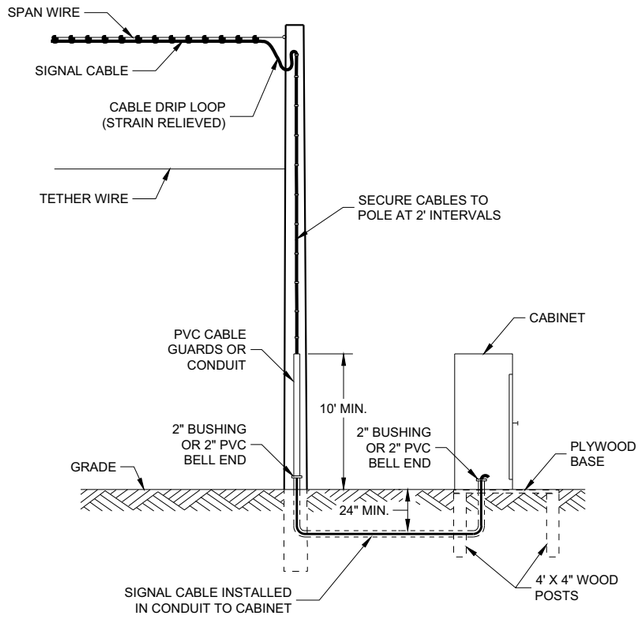
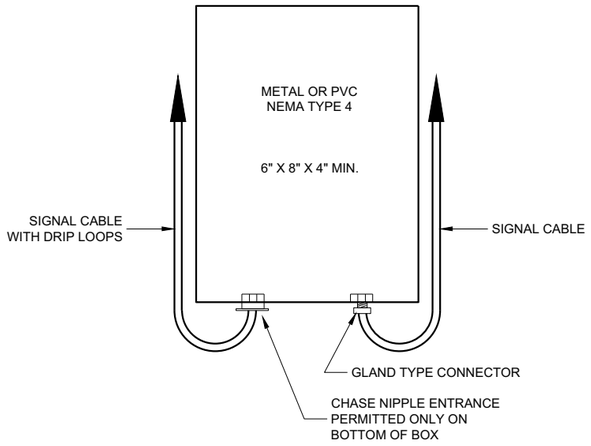
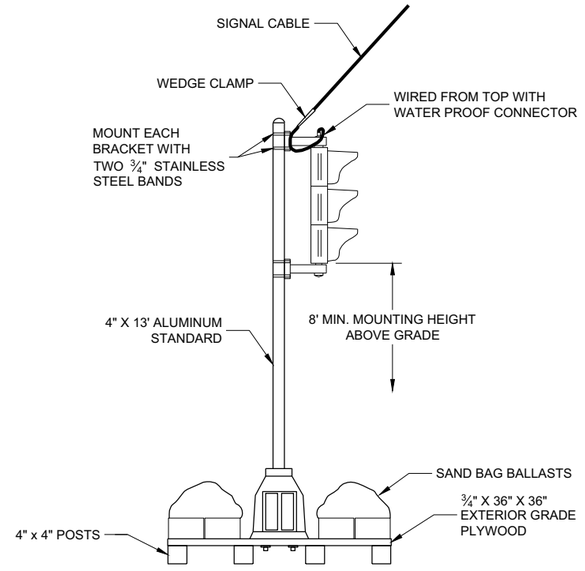
SDD 09G01 - 4f

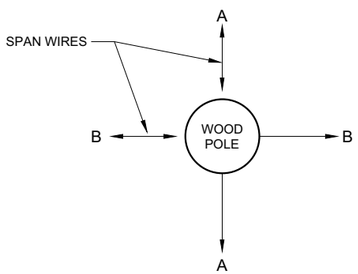




SPLICE BOX

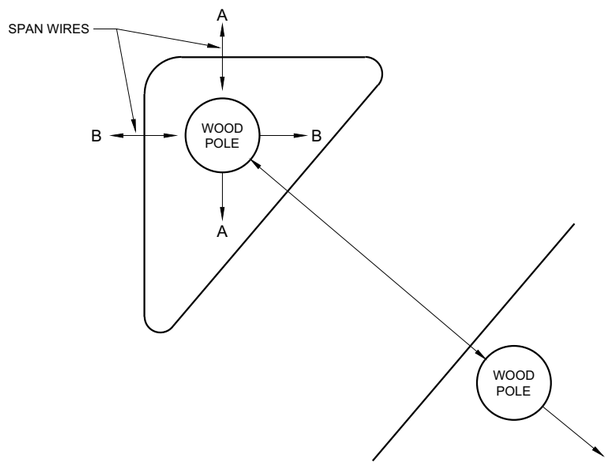


TYPICAL SKID TYPE TEMPORARY

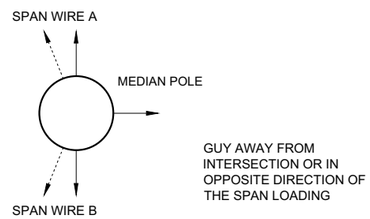


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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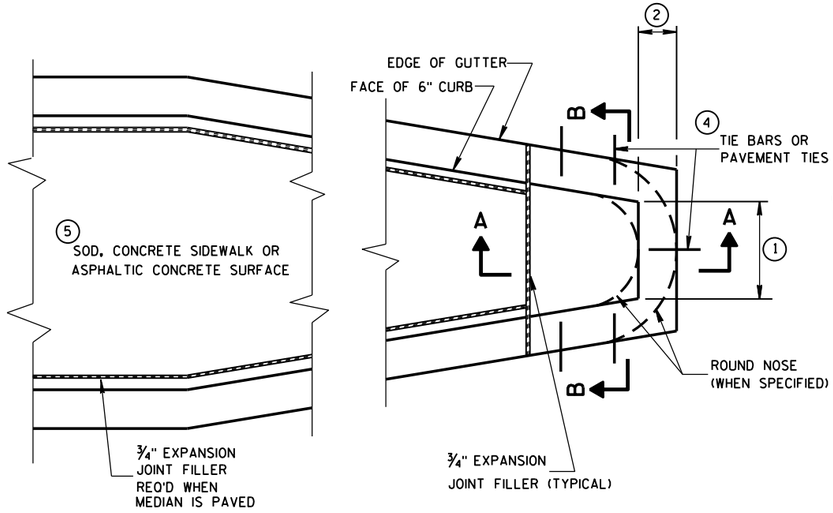
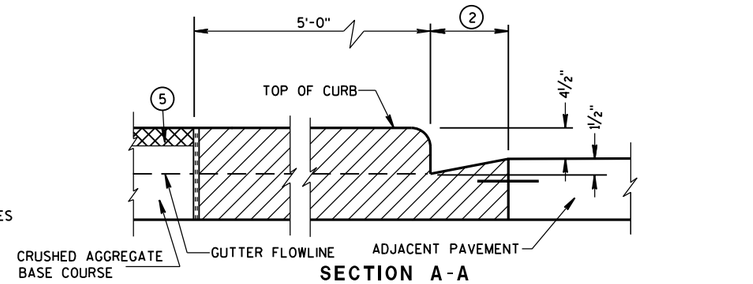
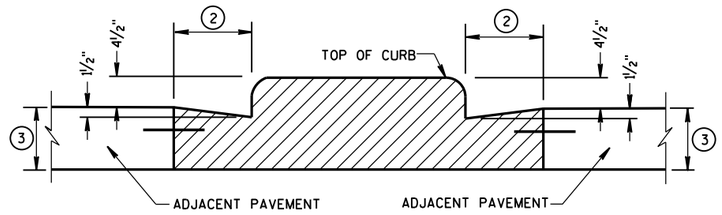
SDD 09G01 - 4g





SECTION A-A



SECTION B-B

CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

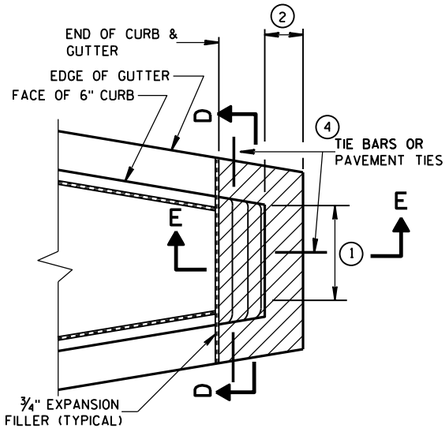
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

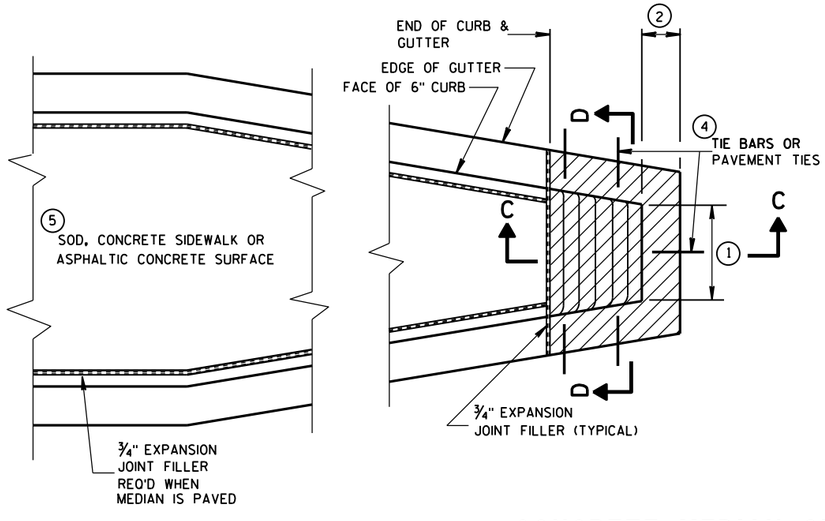
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

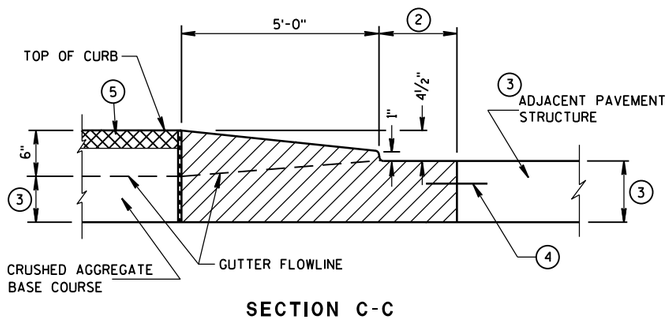
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

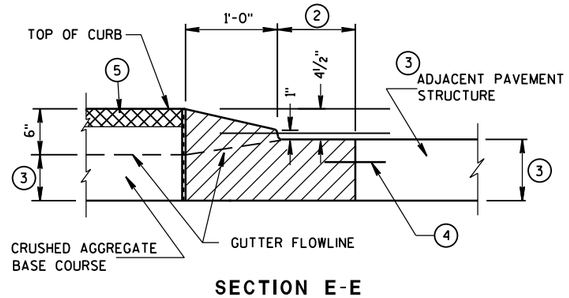




CONCRETE MEDIAN SLOPED NOSE TYPE 1

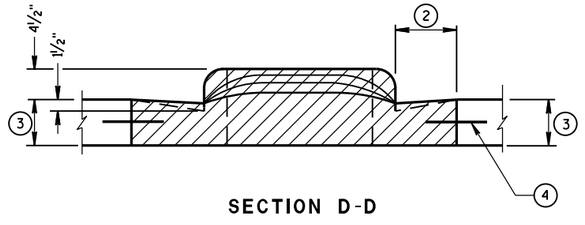


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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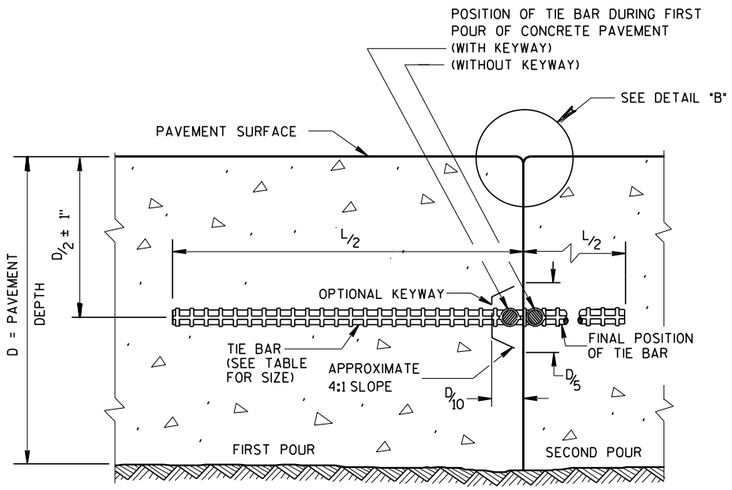
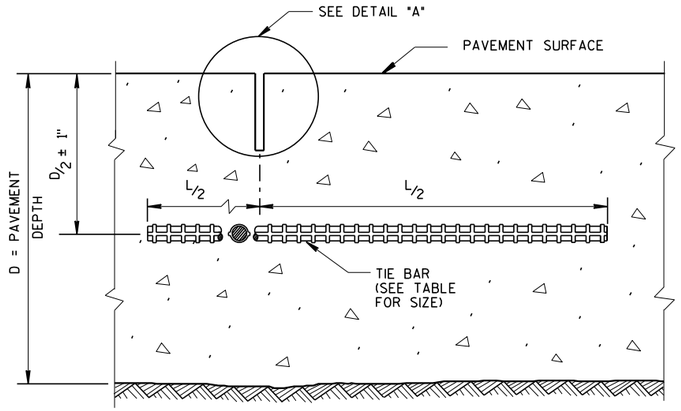
S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

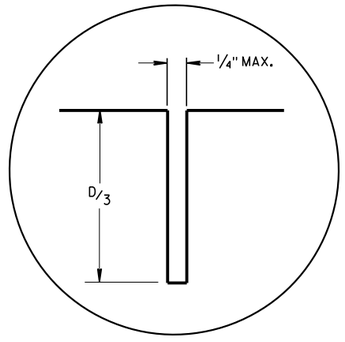
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

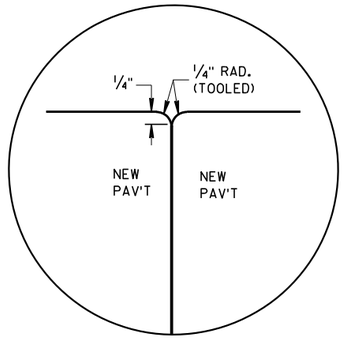
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

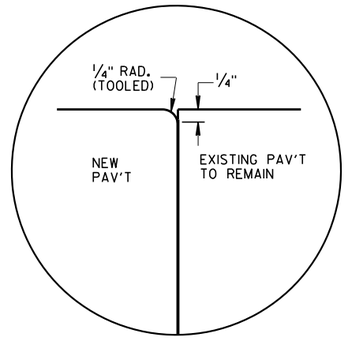
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



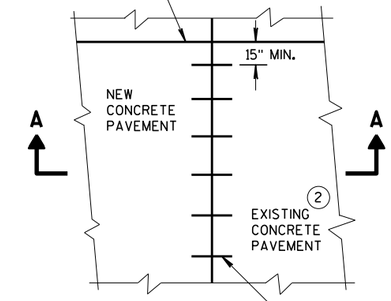
DETAIL "A"



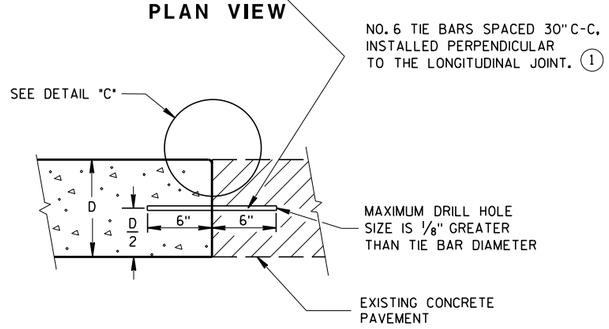
DETAIL "B"



DETAIL "C"



PLAN VIEW



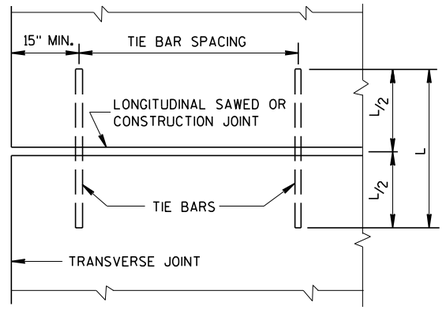
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

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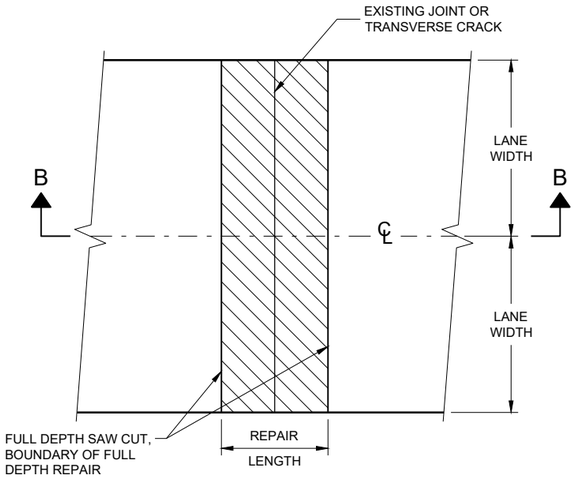
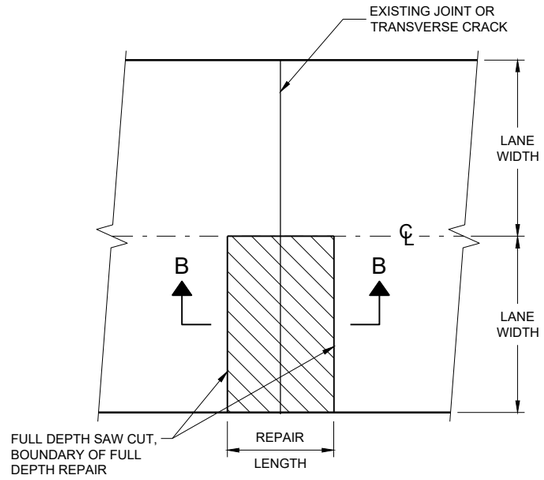


PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

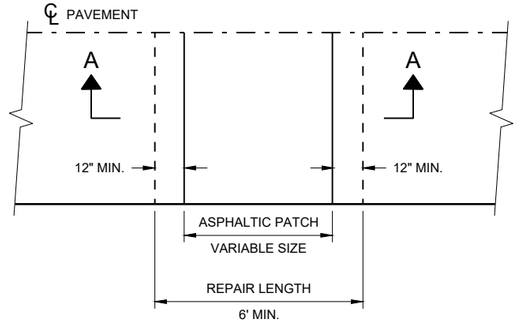
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

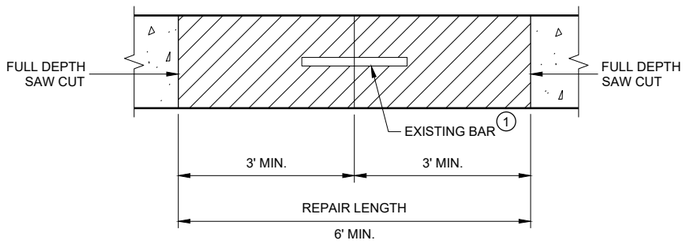
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

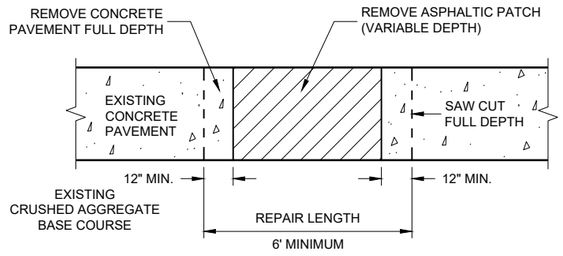


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A

HMA PATCH REMOVAL

CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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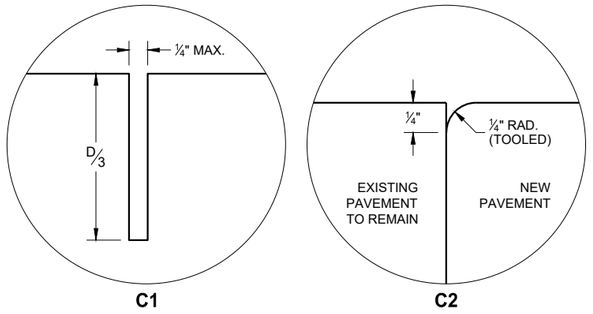
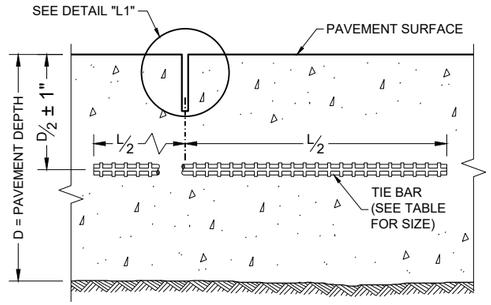
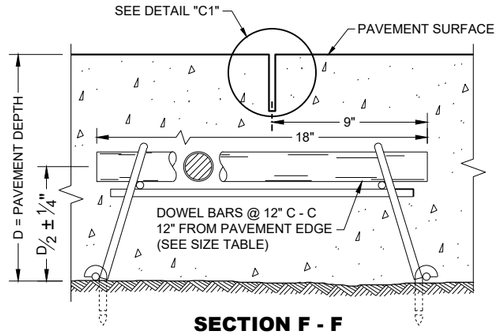


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

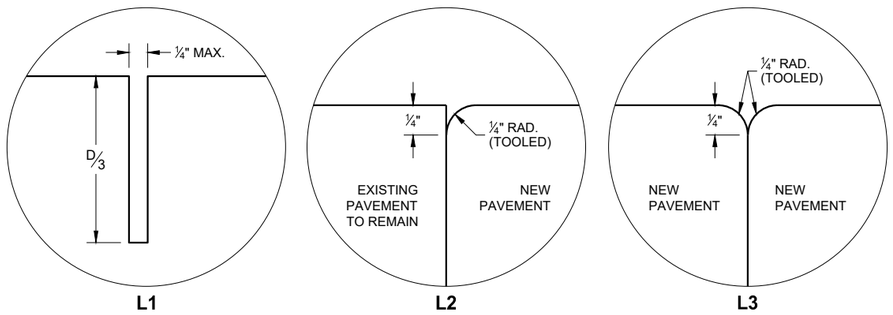
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

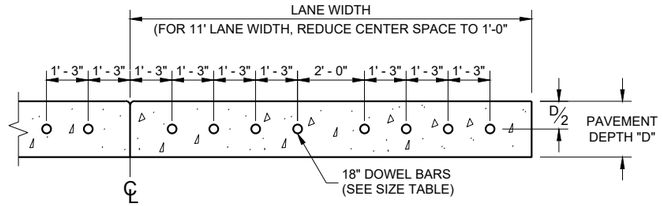
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

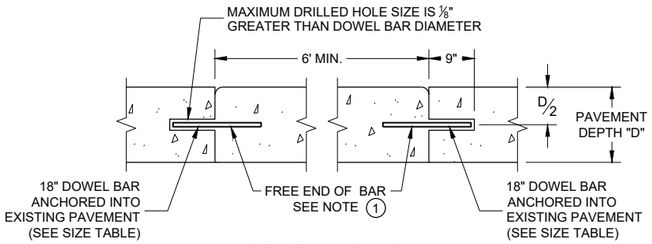


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

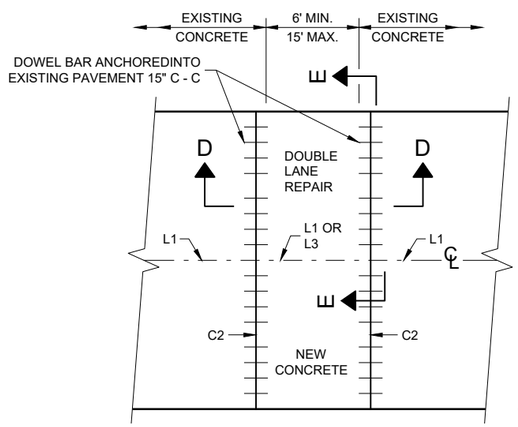
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

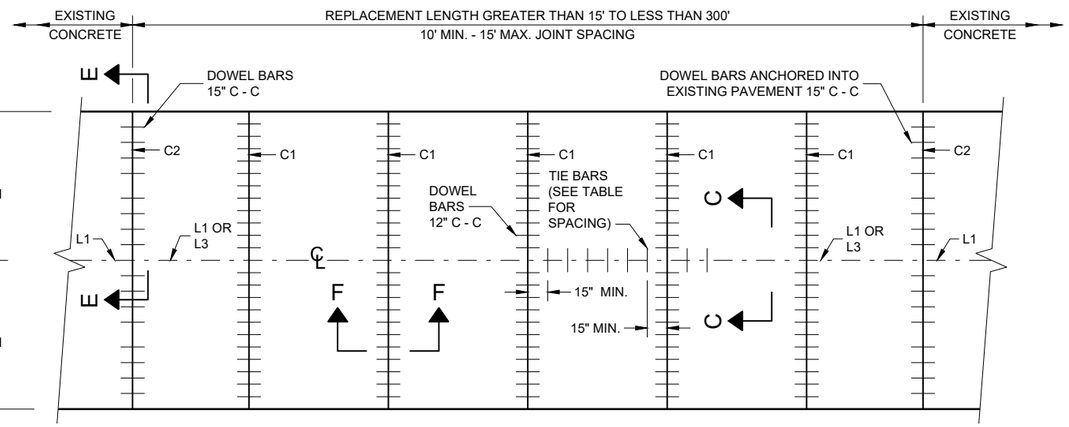
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	NONE	12'
7", 7 ½"	1"	1"	14'
8", 8 ½"	1 ¼"	1 ¼"	15'
9" & ABOVE	1 ¼"	1 ¼"	15'



PLAN VIEW

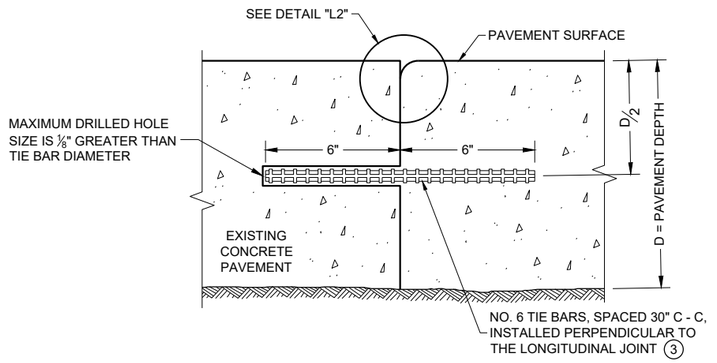
MULTILANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

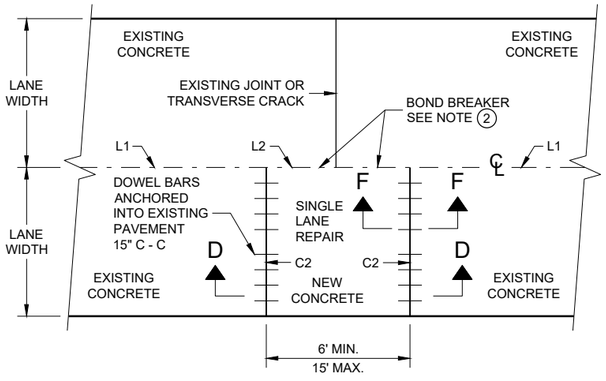


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

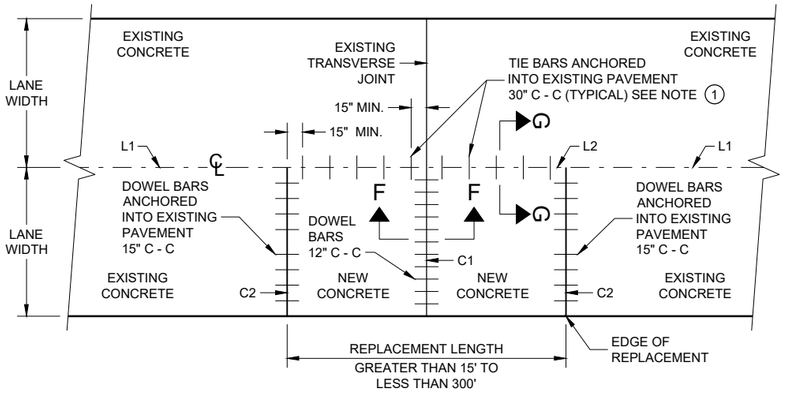
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

FHWA

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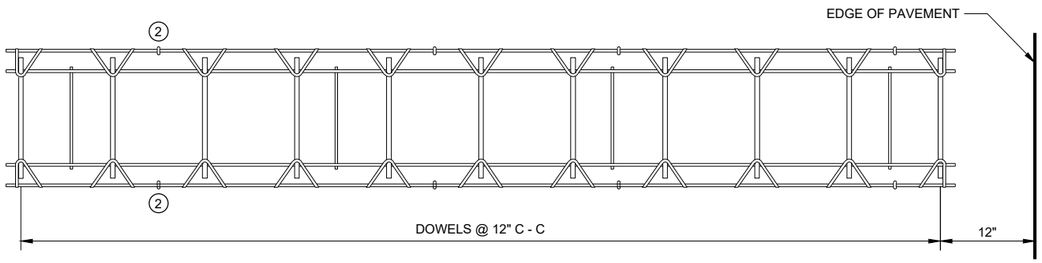
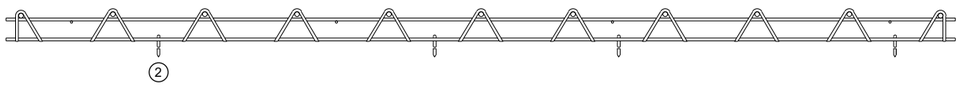
SDD 13C09 - 16c

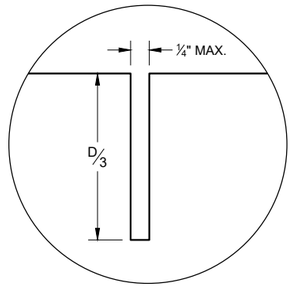


PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

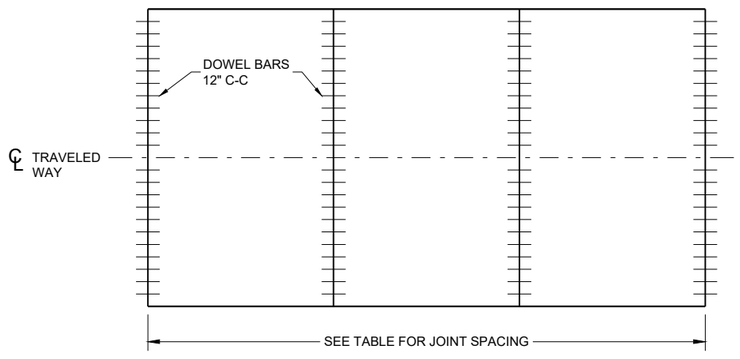
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

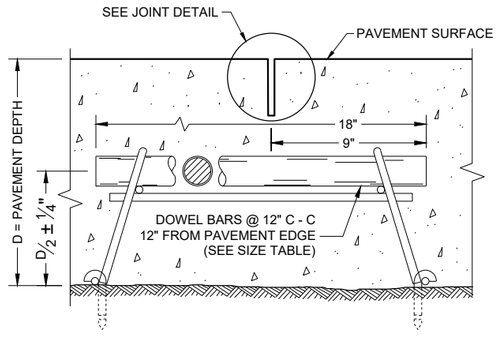
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



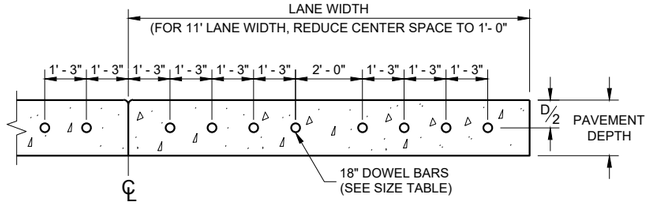
CONTRACTION JOINT LOCATIONS



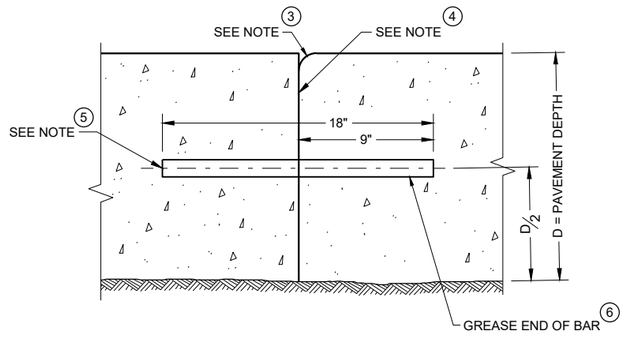
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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SDD 13C13 - 10

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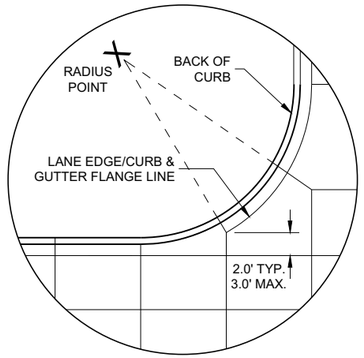
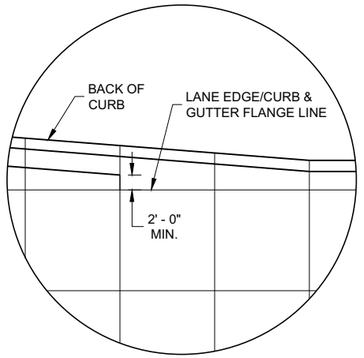
SDD 13C13 - 10



DETAIL "A"



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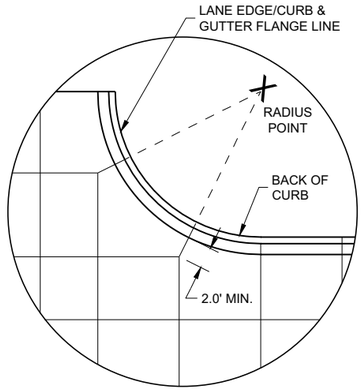
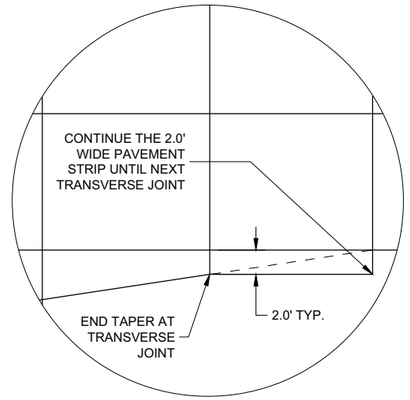


DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

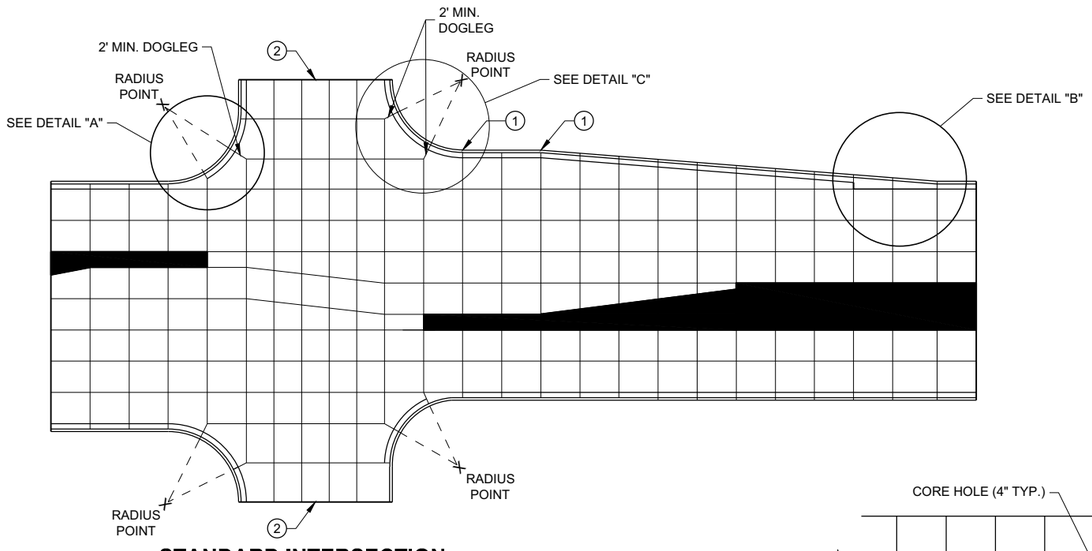
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

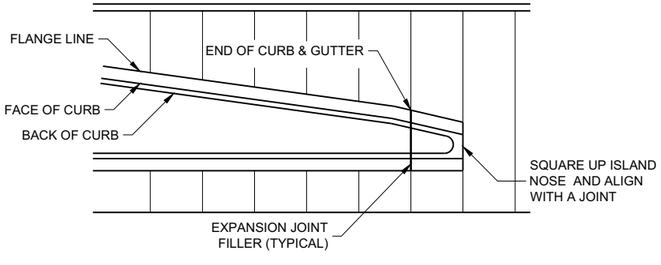


STANDARD INTERSECTION

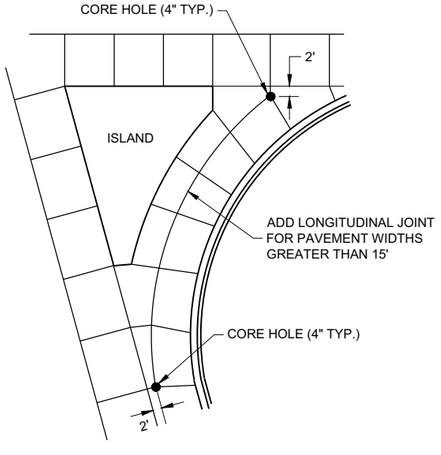
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

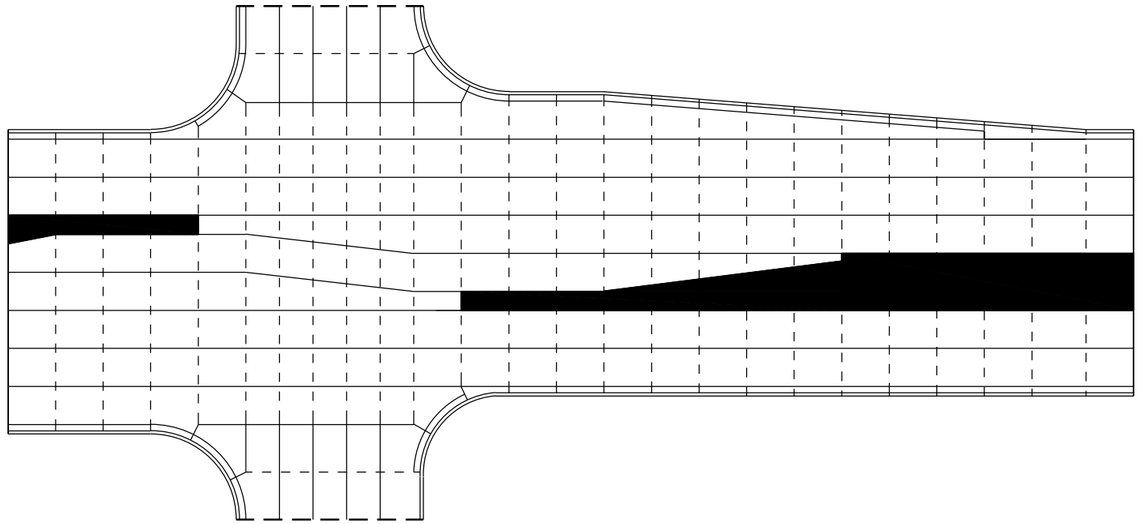
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

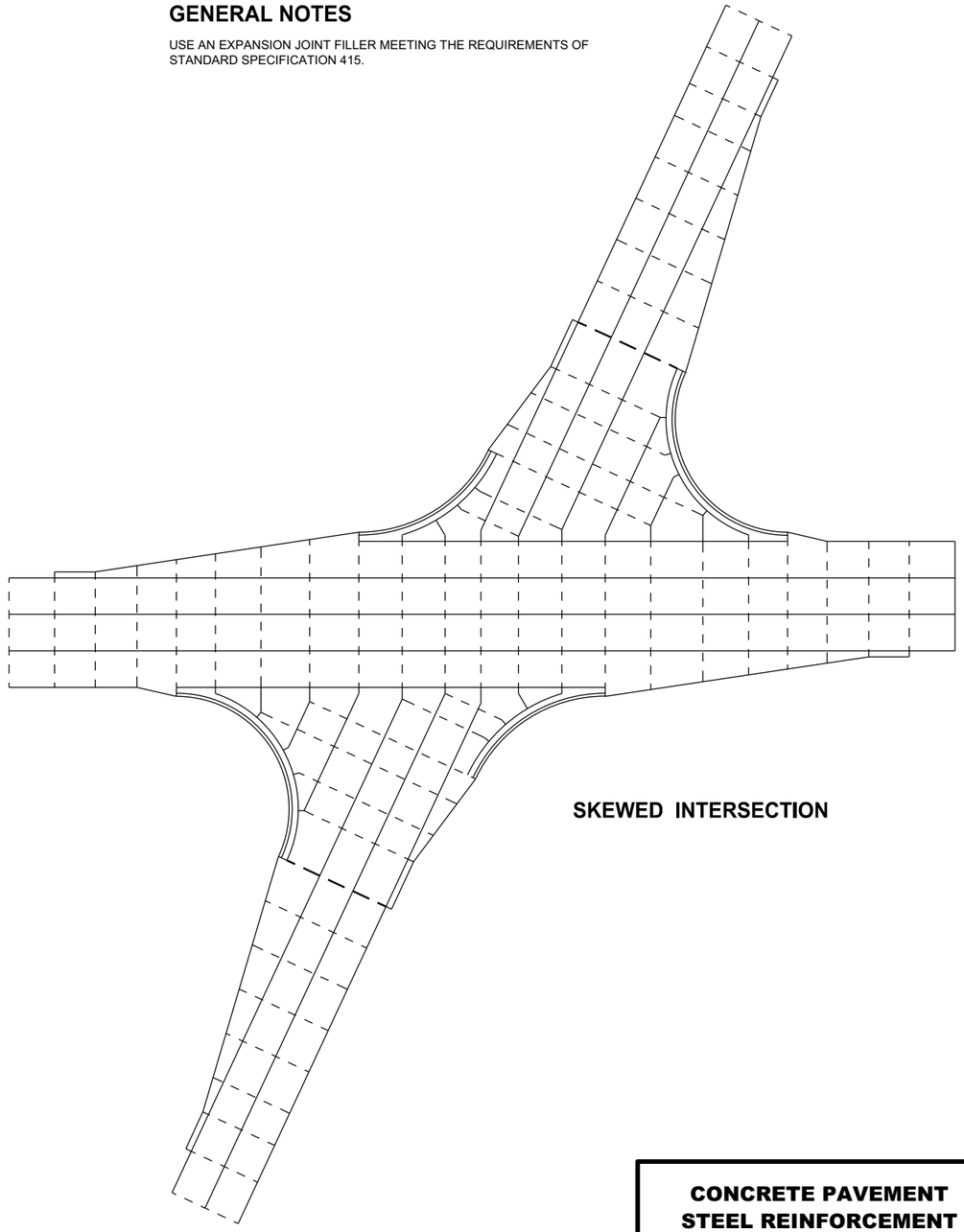
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

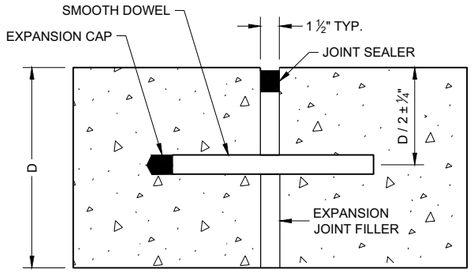
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

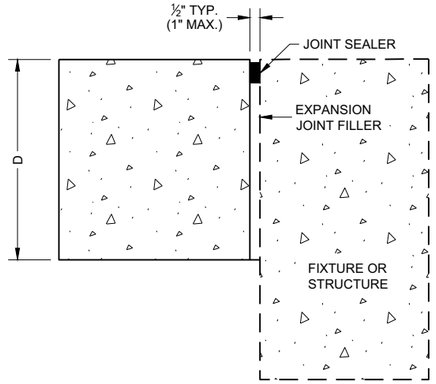
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

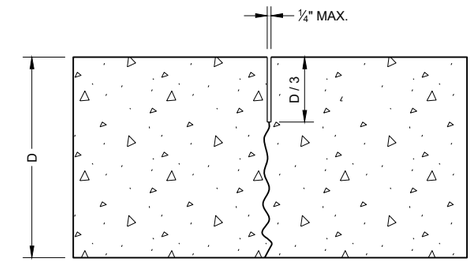
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

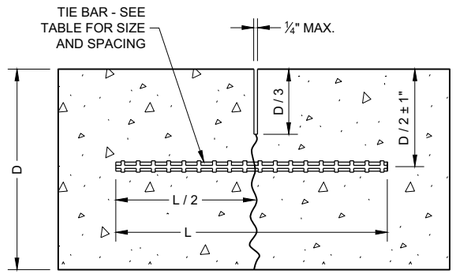
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

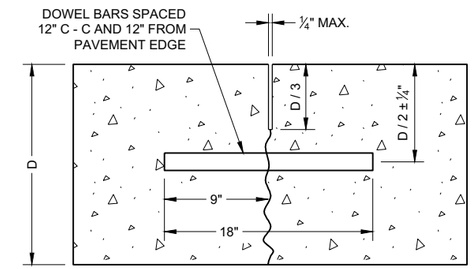
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

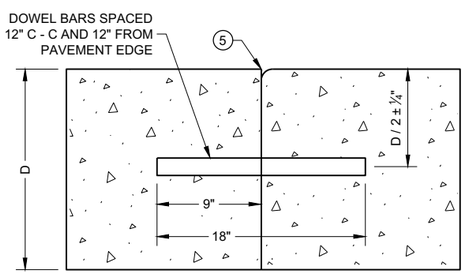


TIED LONGITUDINAL

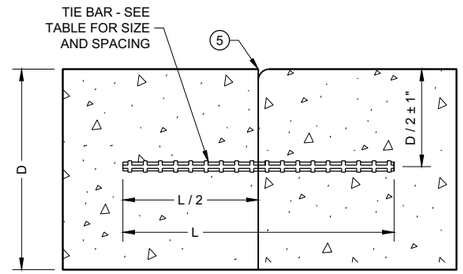


DOWELED TRANSVERSE

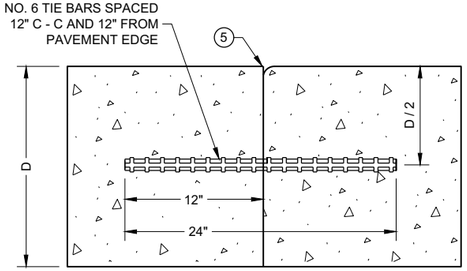
CONTRACTION JOINTS (2)



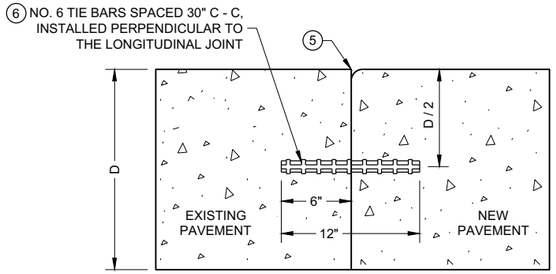
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

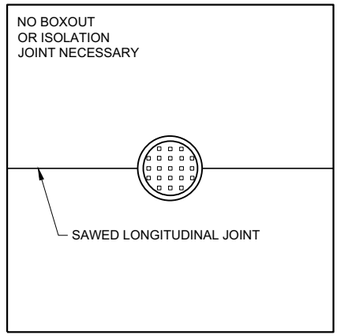
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

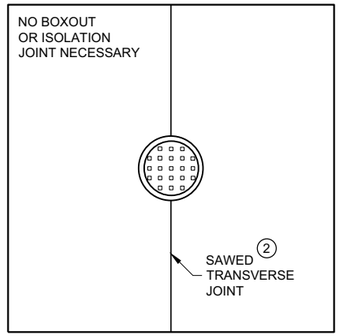
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

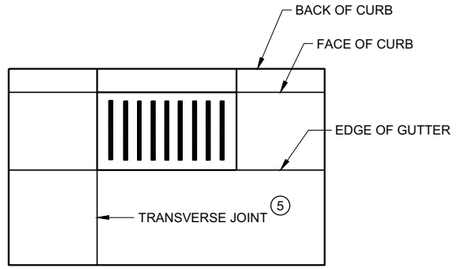
SDD 13C18 - 07c
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



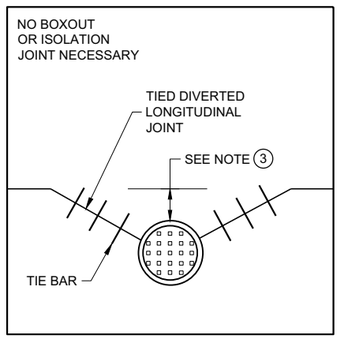
MANHOLE WITH TRANSVERSE JOINT



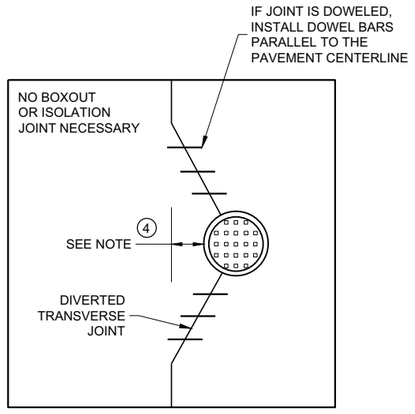
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

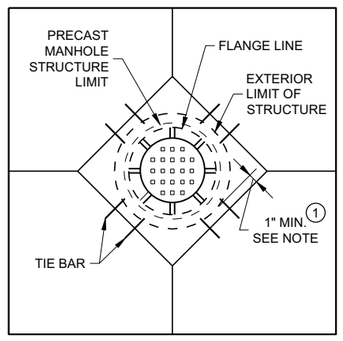
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

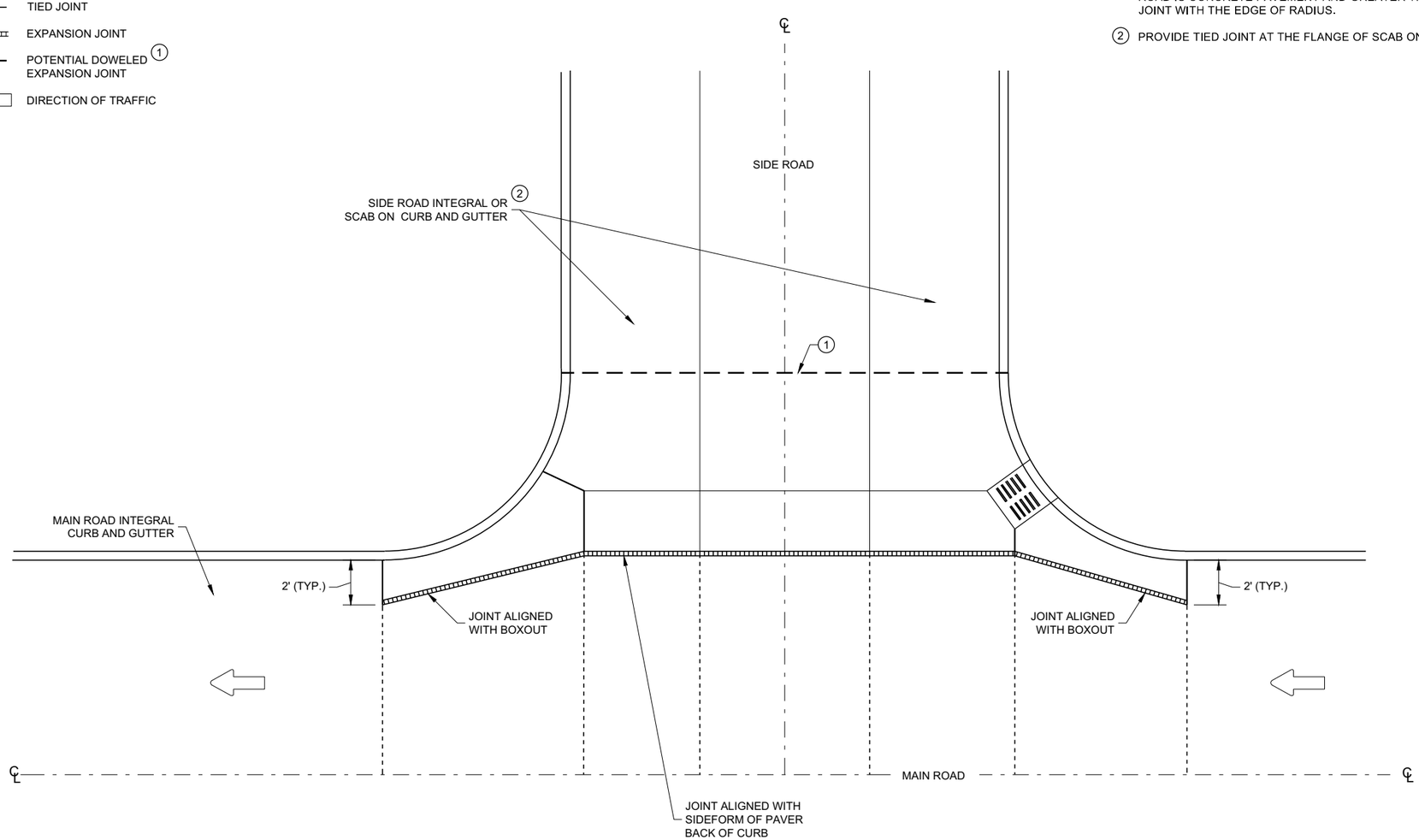
FHWA

6

SDD 13C18 - 07d
SDD 13C18 - 07d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 13C18 - 07f

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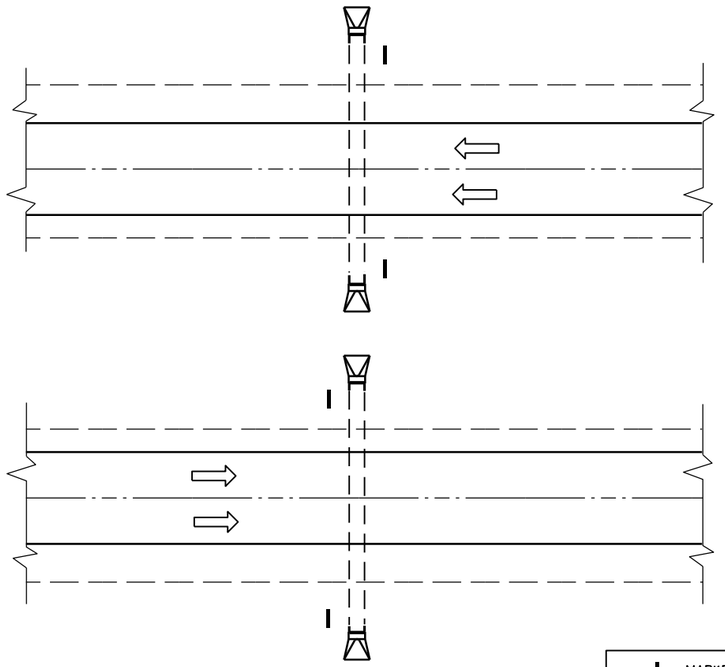
SDD 13C18 - 07f

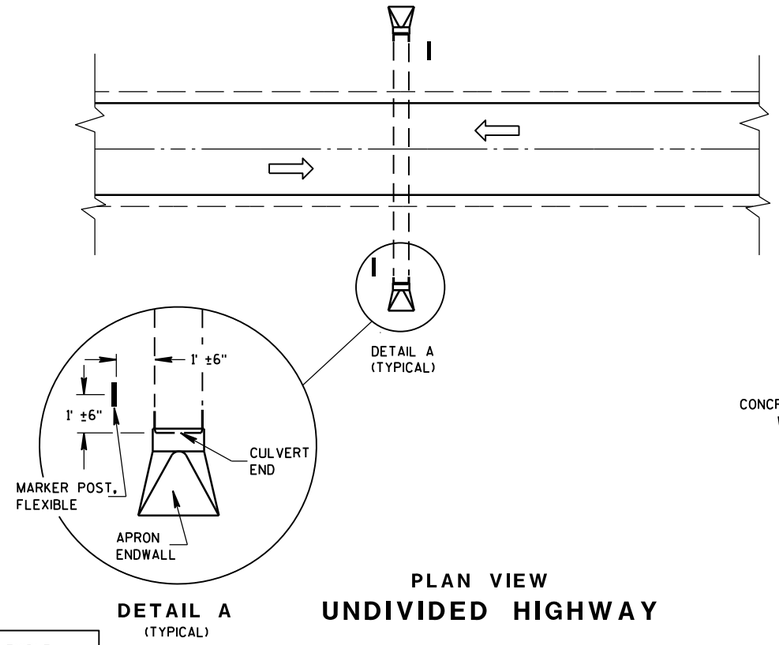
GENERAL NOTES

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

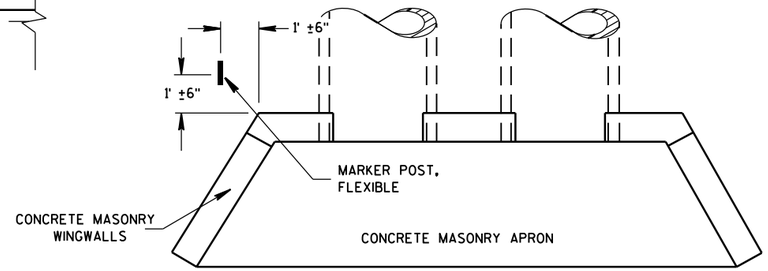
DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

UNDIVIDED HIGHWAY



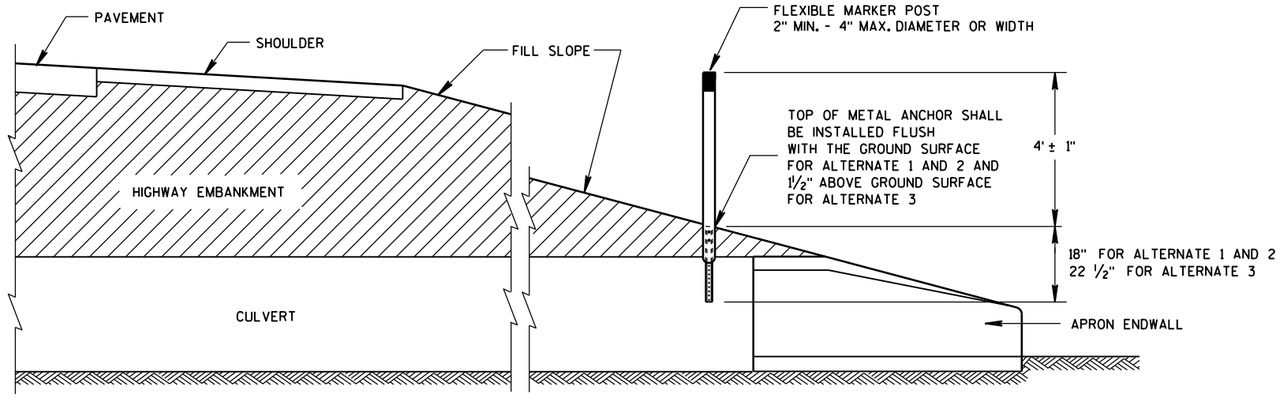
PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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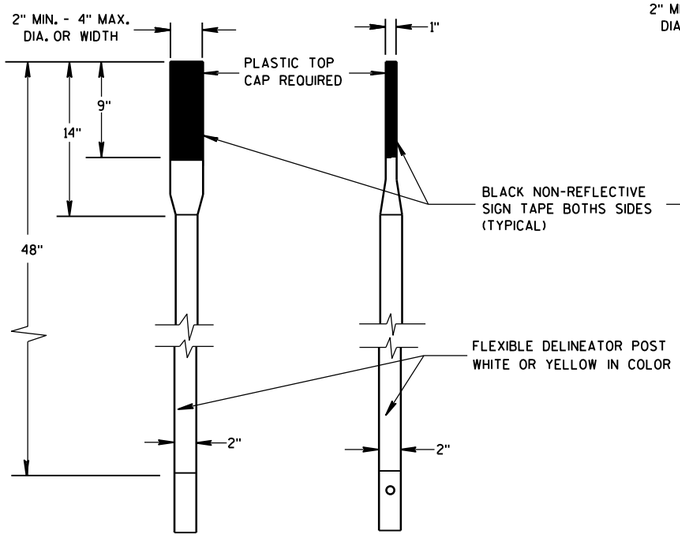
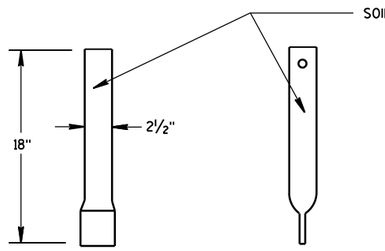
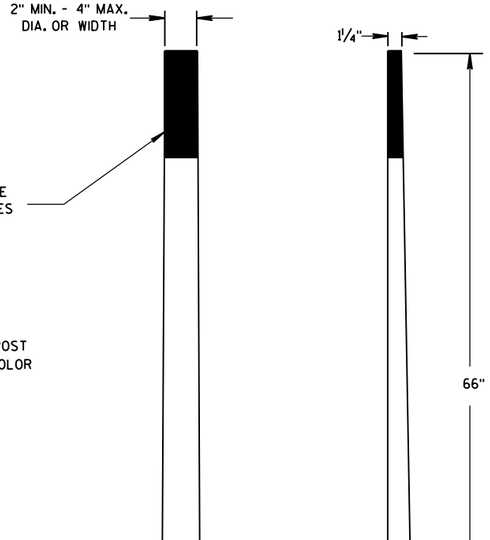
S.D.D. 15 A 3-2a





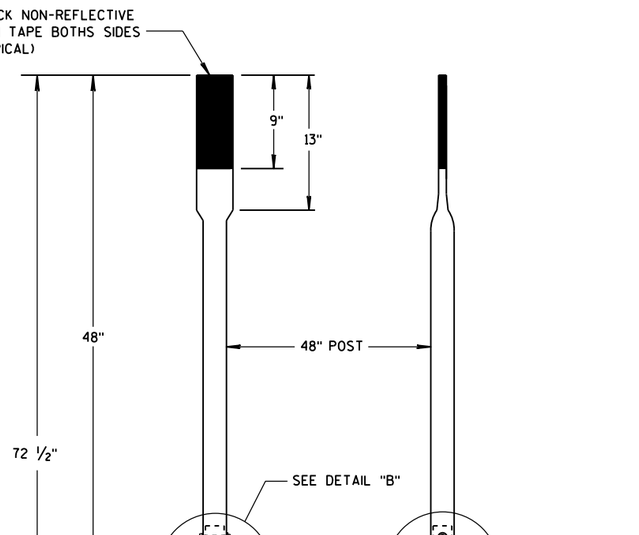
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

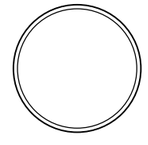
ALTERNATE 2



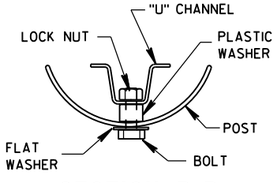
FRONT VIEW SIDE VIEW

ALTERNATE 3

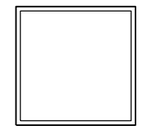
FLEXIBLE MARKER POSTS



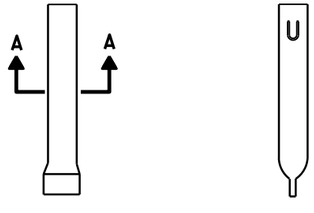
SECTION A-A



SECTION B-B

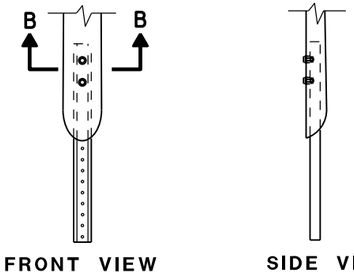


SECTION C-C



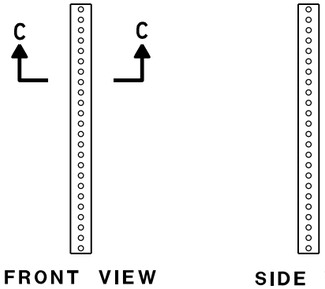
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

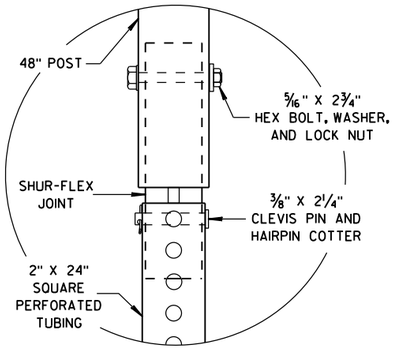
ALTERNATE 2



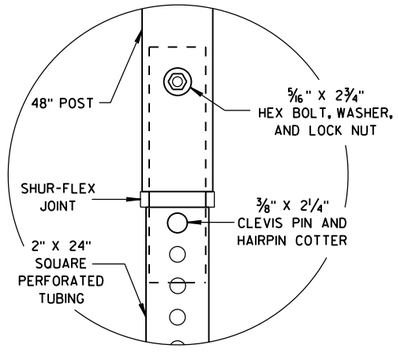
FRONT VIEW SIDE VIEW

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
290
IGN
FHWA

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S.D.D. 15 A 3-2b

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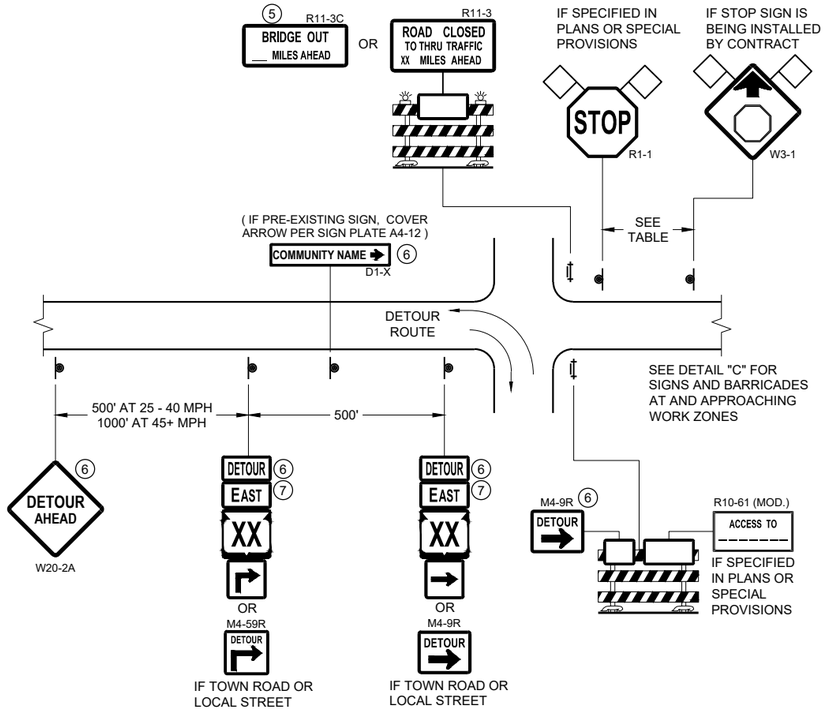
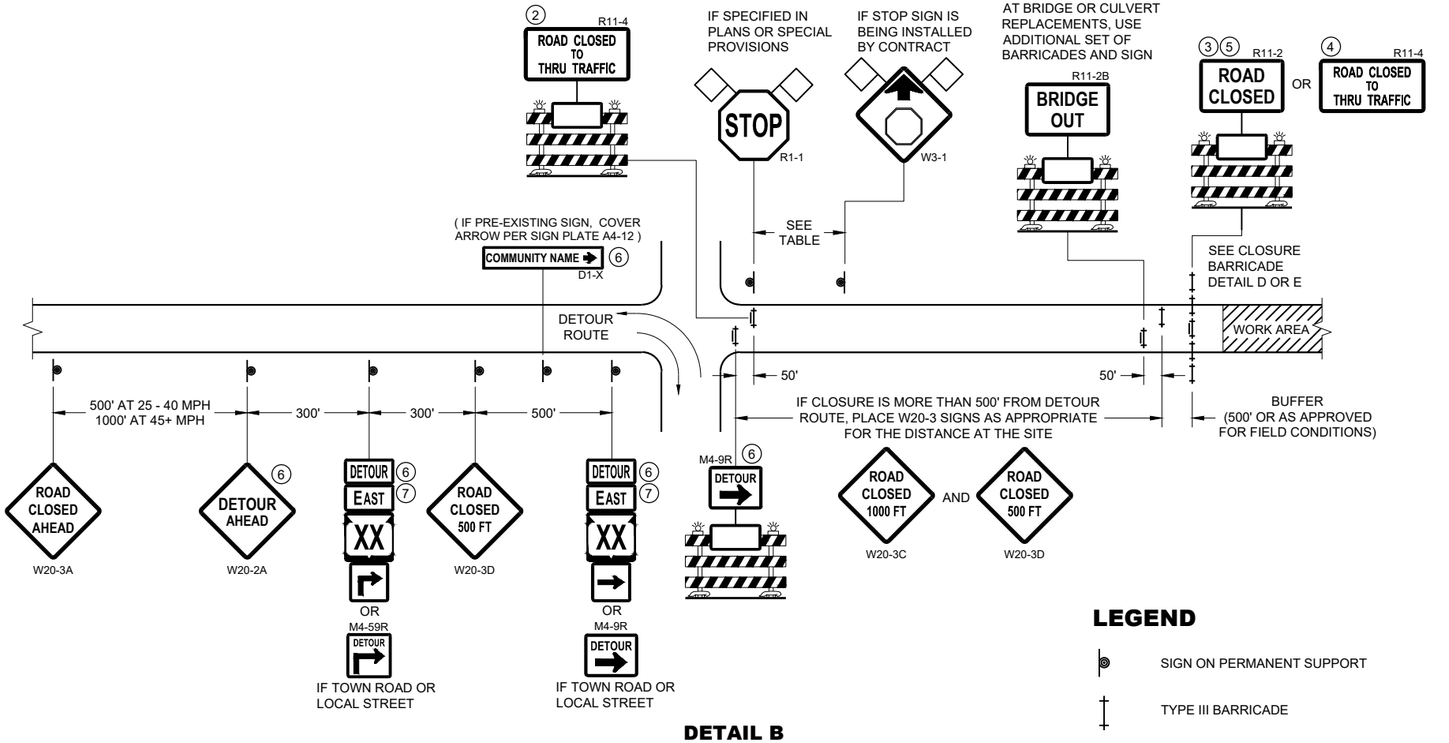


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



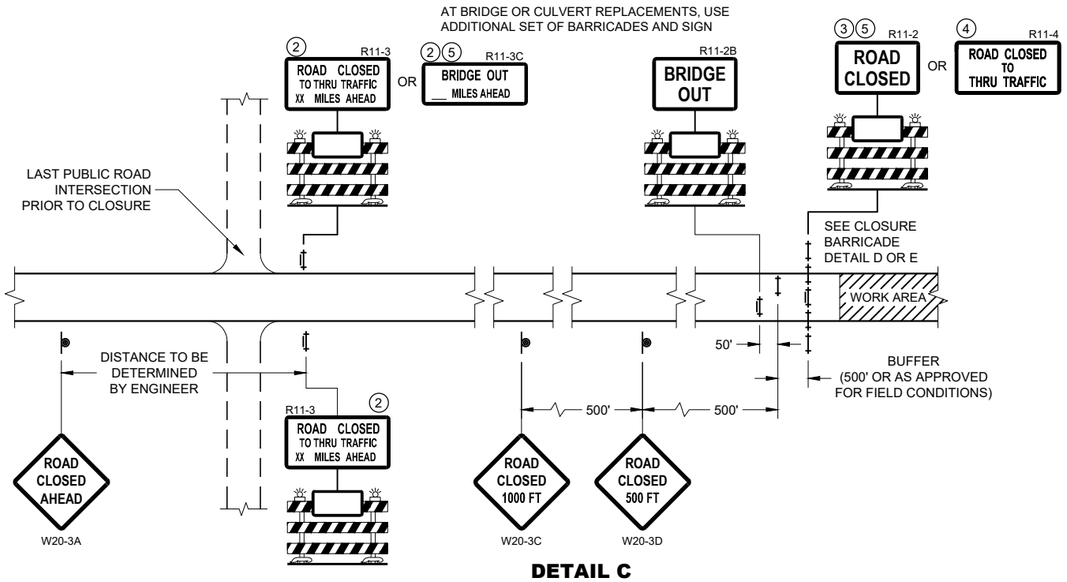
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

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

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

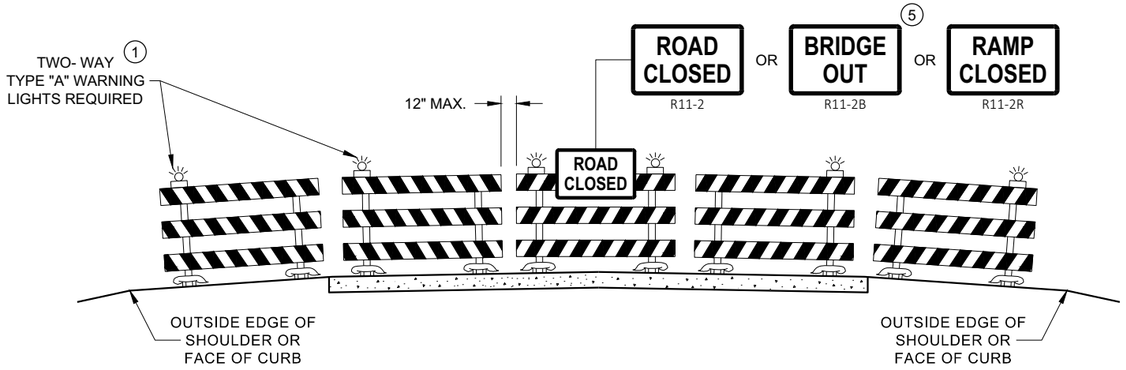
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

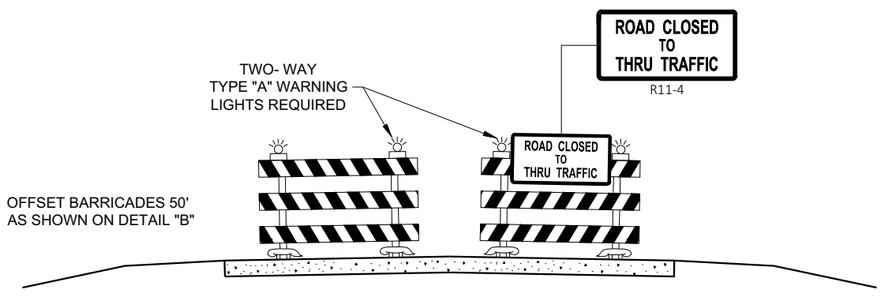
FHWA

SDD 15C02 - 08a

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

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SDD 15C02 - 08b

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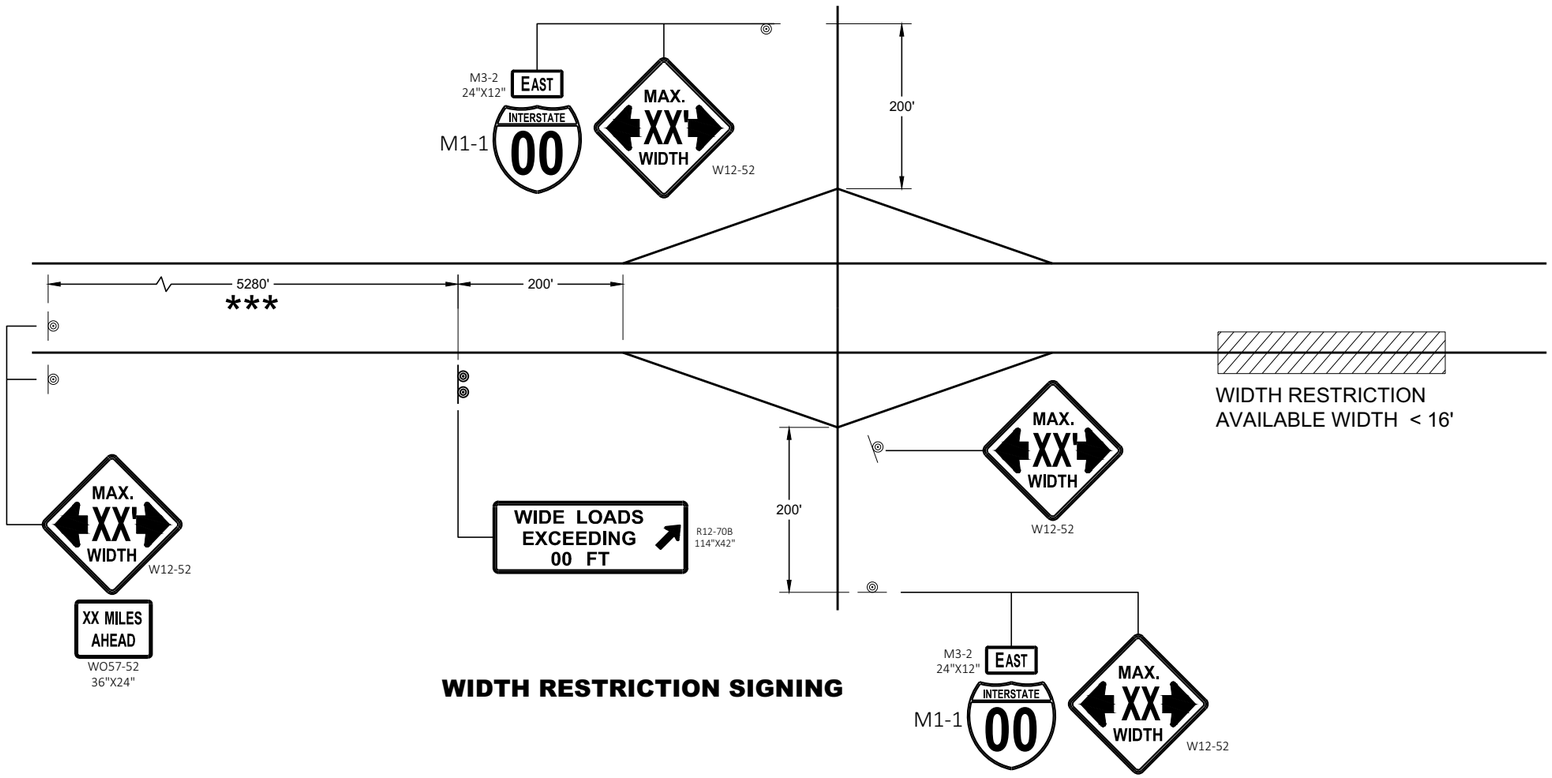
SDD 15C02 - 08b



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.

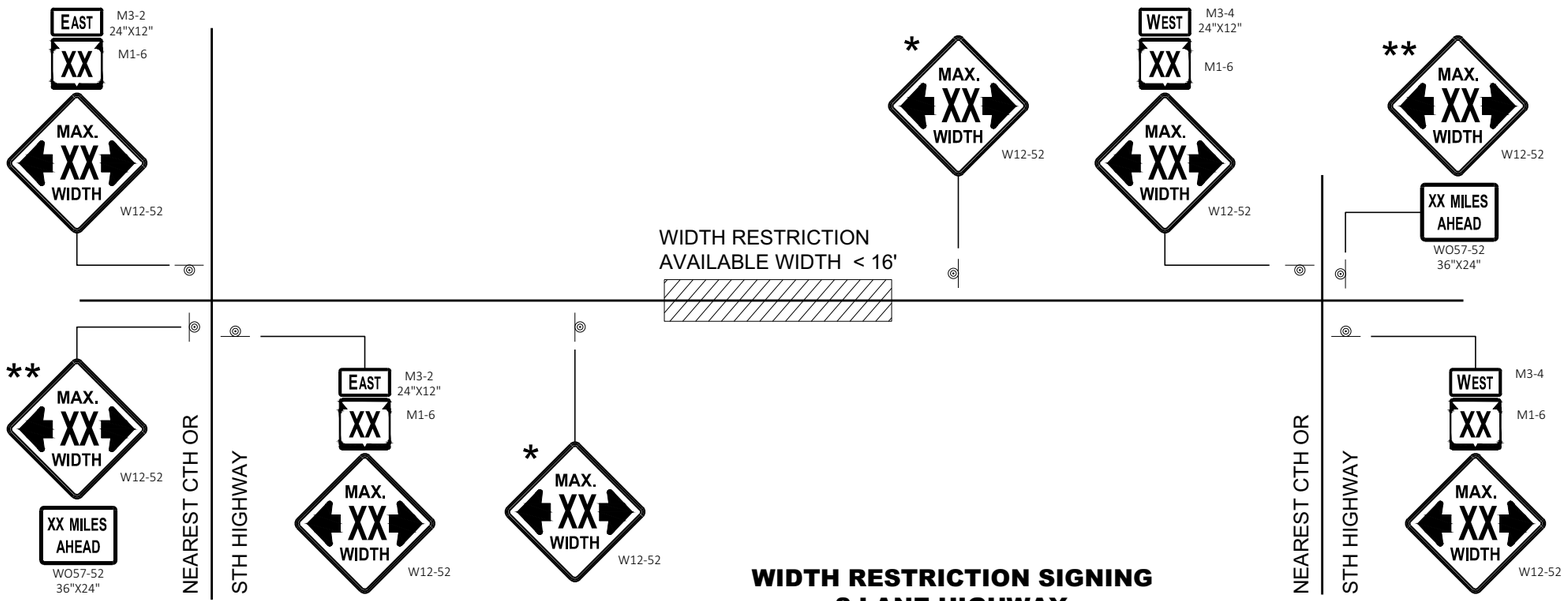
WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* 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

FHWA

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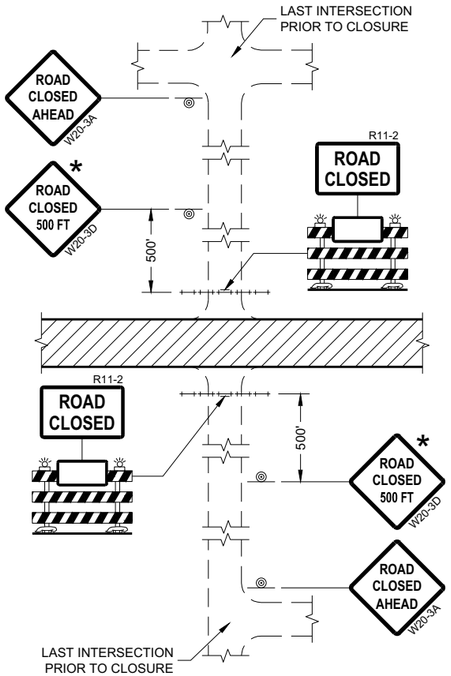
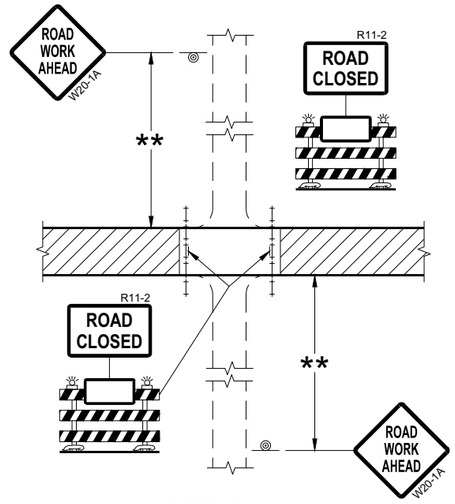
SDD 15C02 - 08f



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.

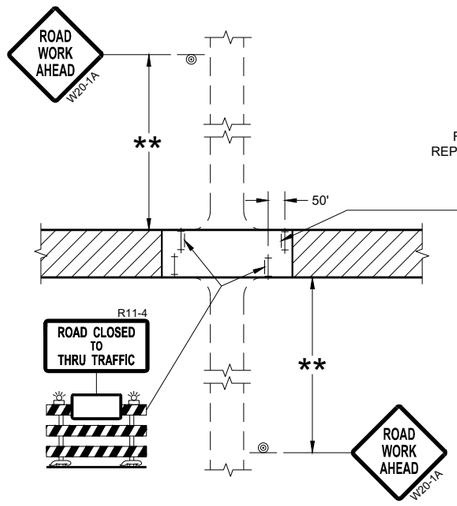
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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

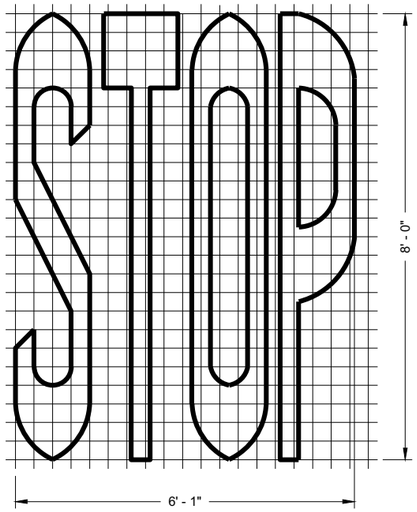
/S/ Andrew Heidtke
WORK ZONE ENGINEE

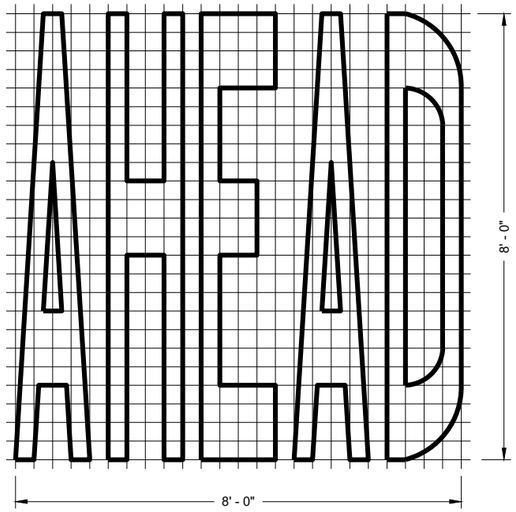
FHWA

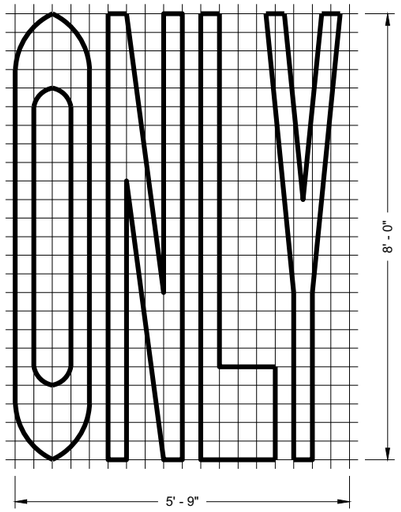
6

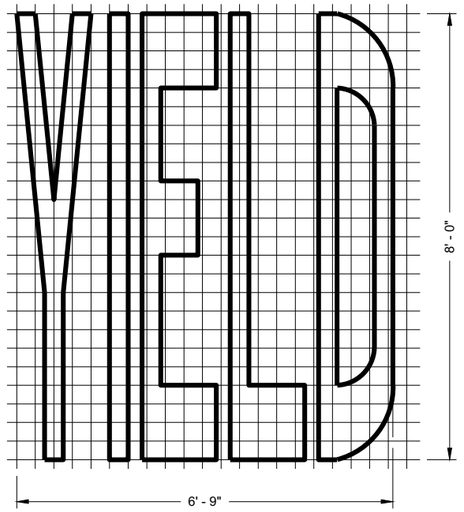
SDD 15C03 - 05

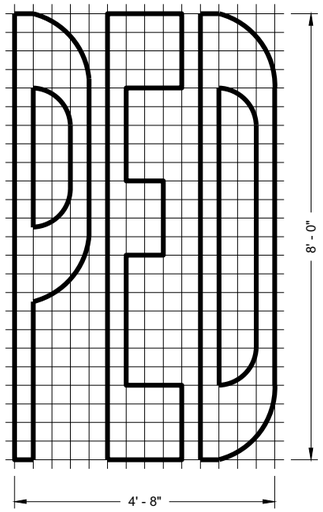
SDD 15C03 - 05

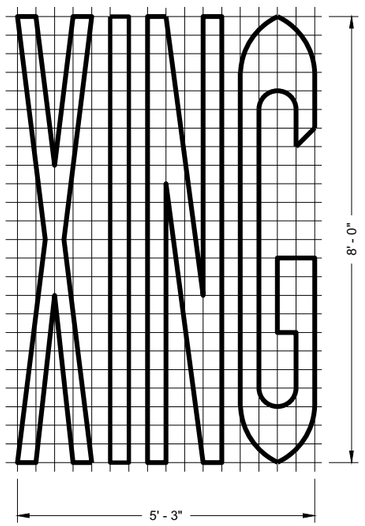


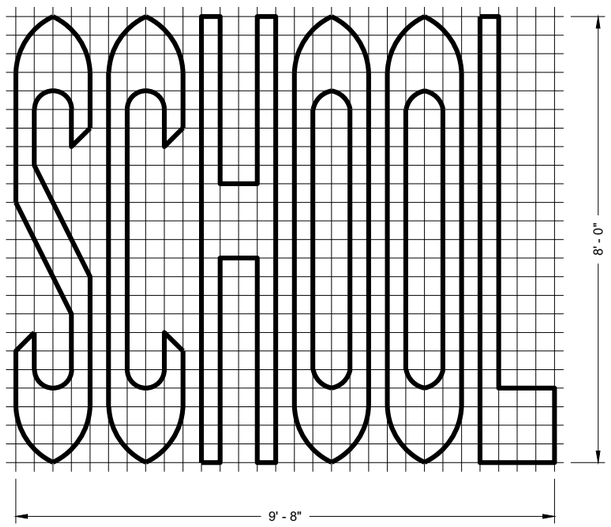




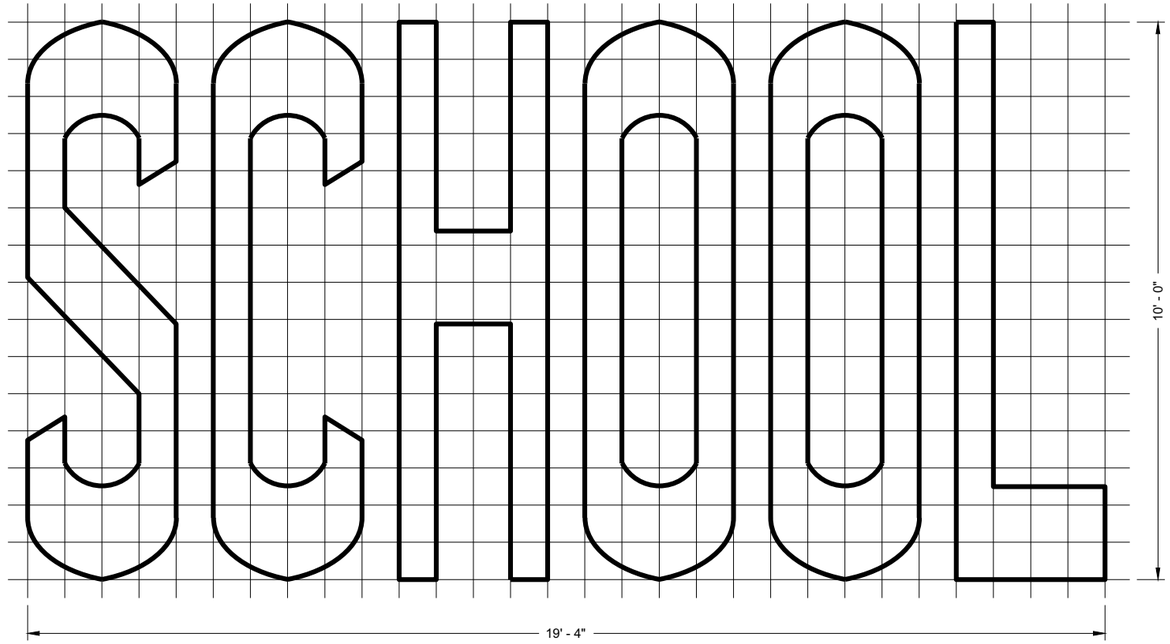








SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

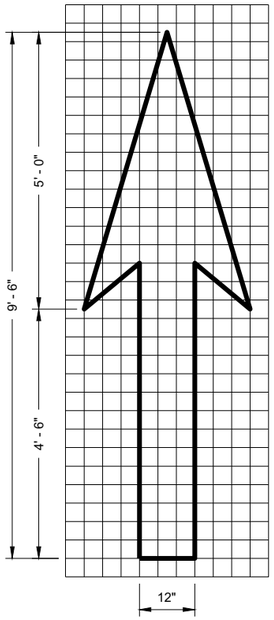
6

SDD 15C07 - 15b

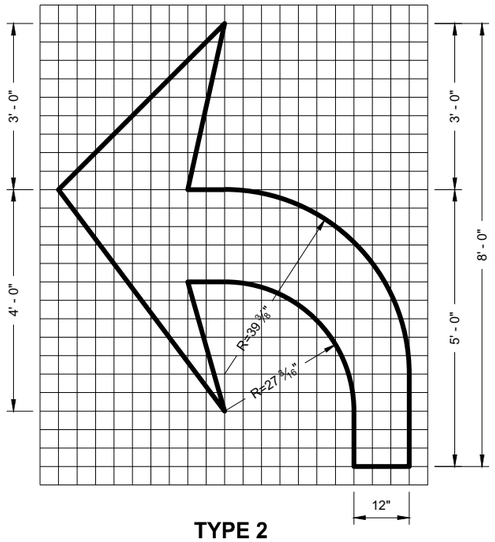
SDD 15C07 - 15b

GENERAL NOTES

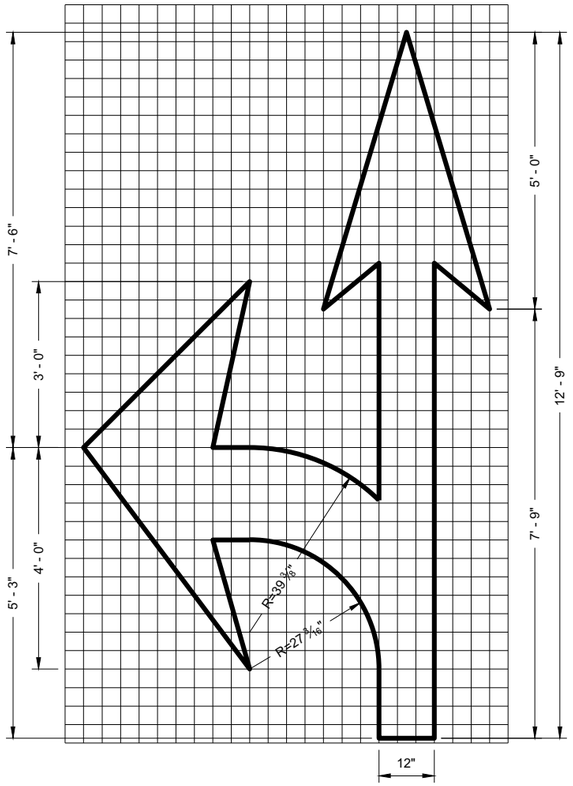
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



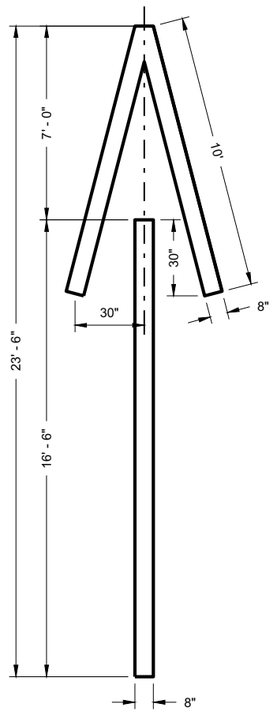
TYPE 1



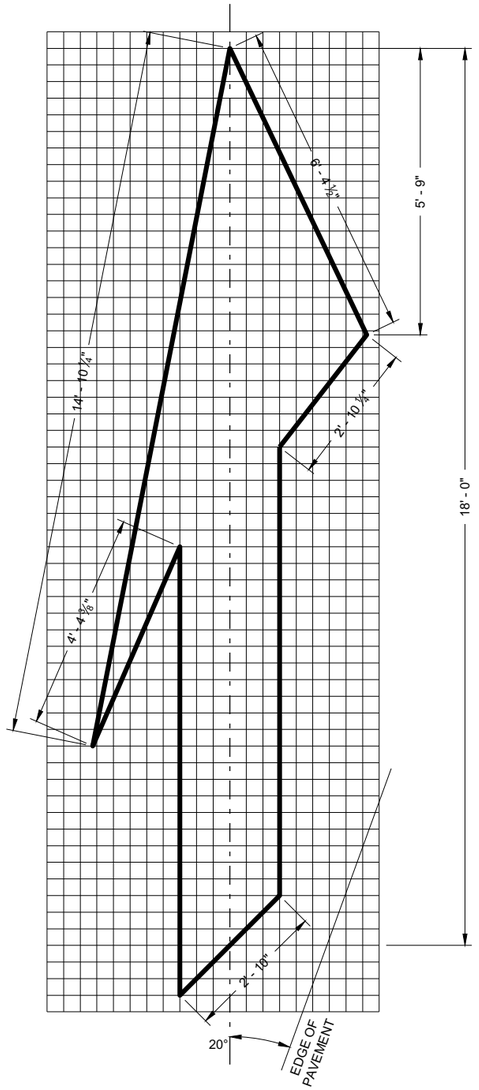
TYPE 2



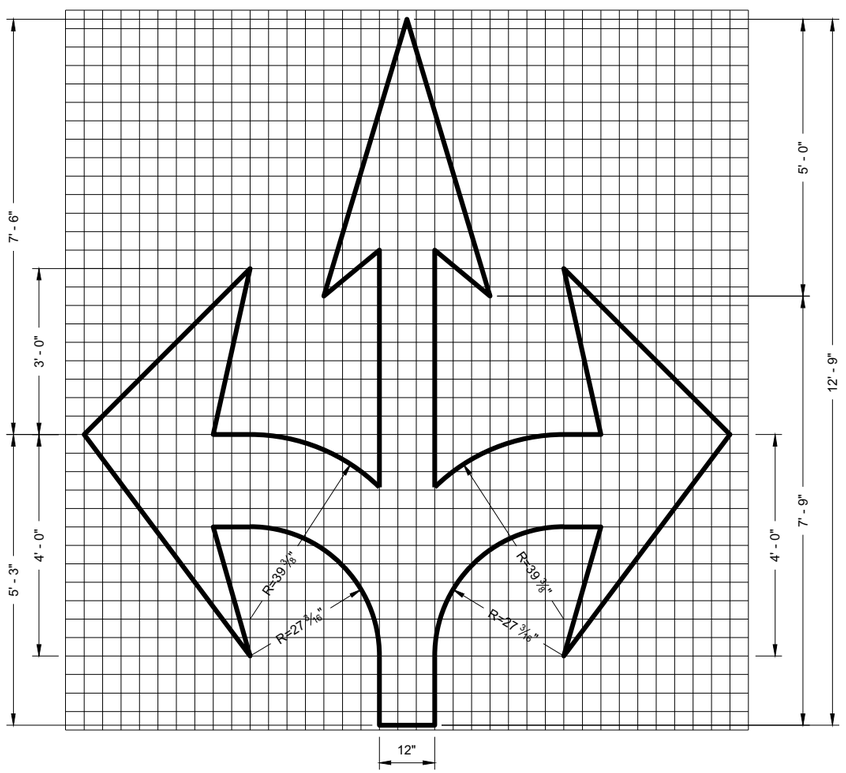
TYPE 3



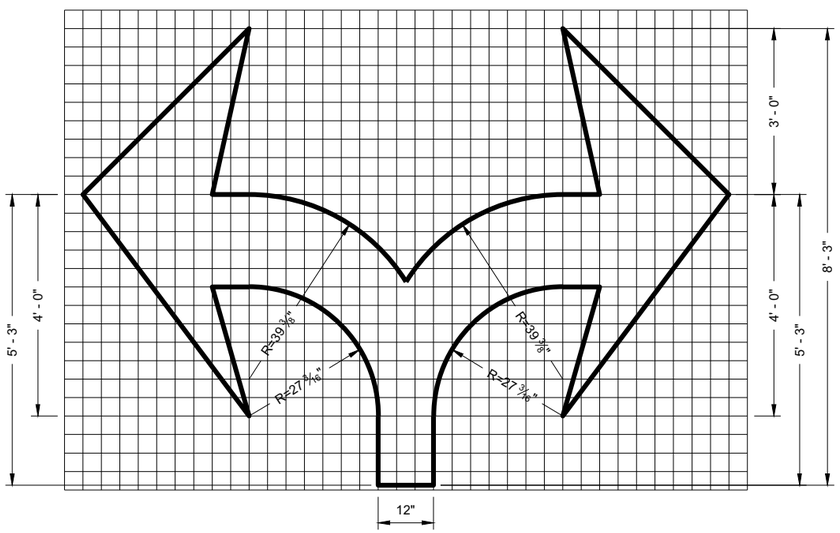
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

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6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

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

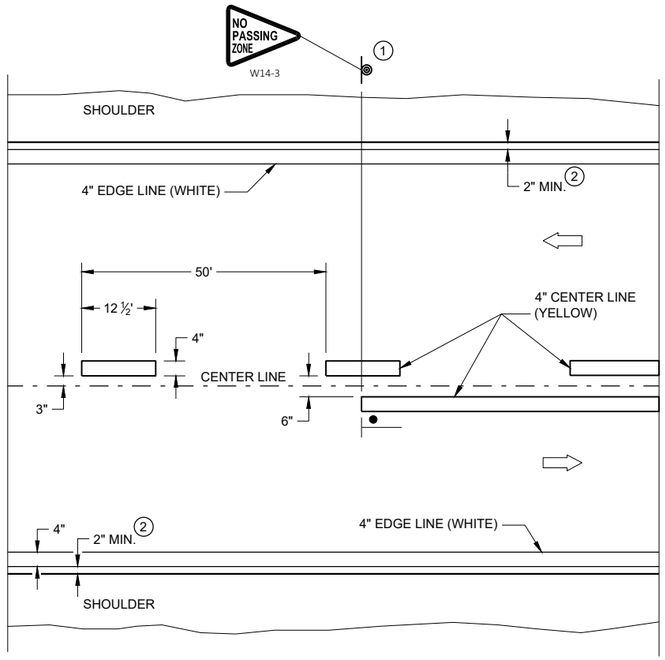
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

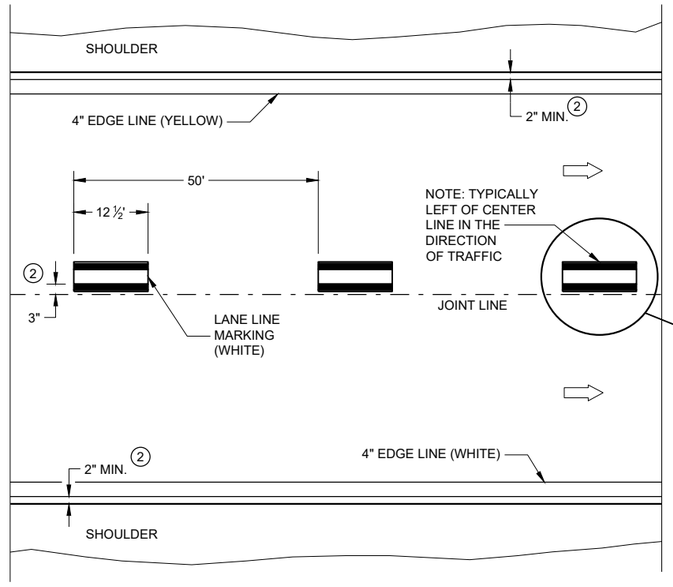
"T" MARKING

SIGN ON PERMANENT SUPPORT

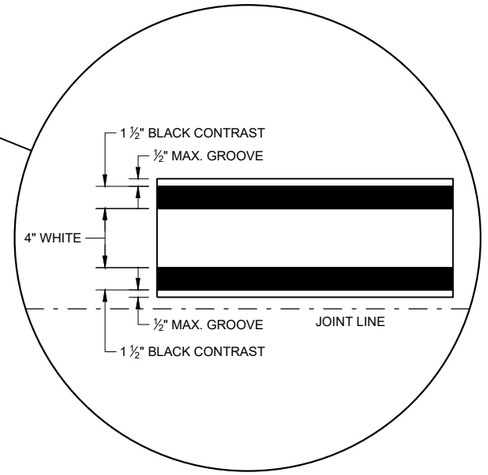
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

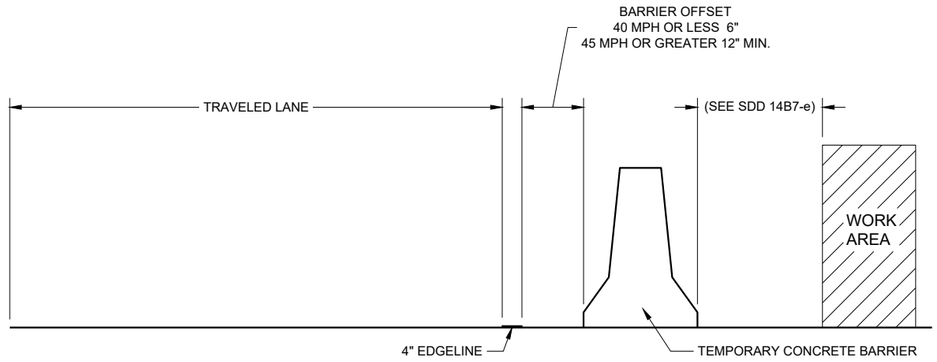
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD15C08 - 21a

SDD15C08 - 21a



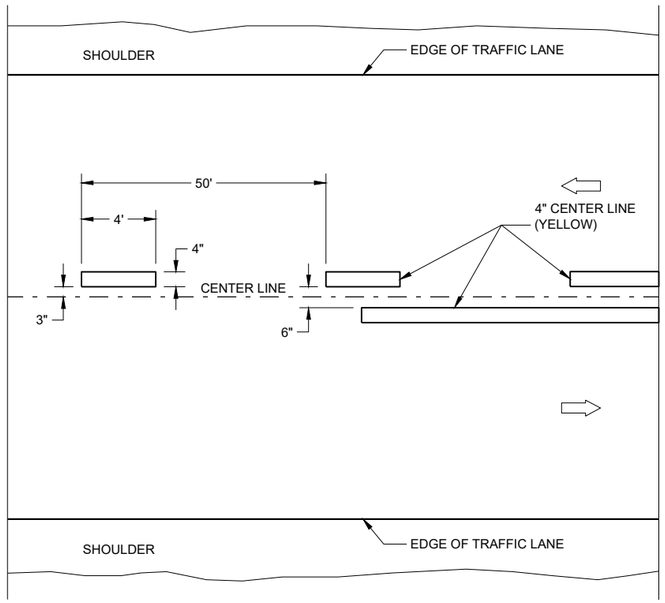
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

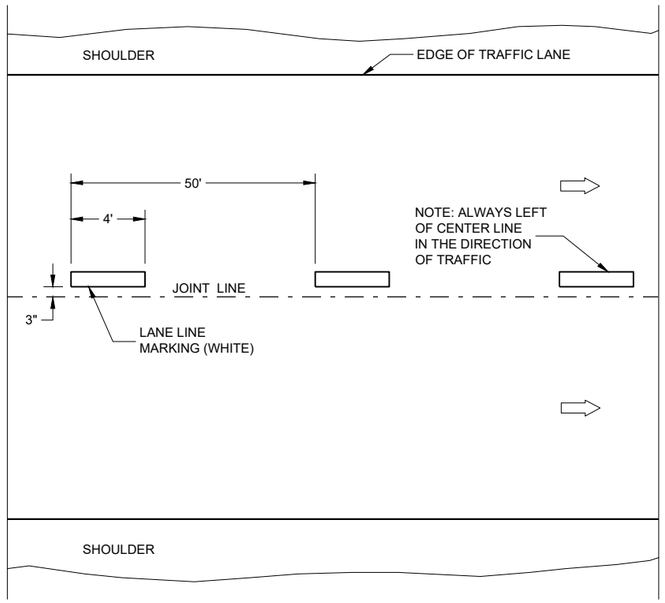
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

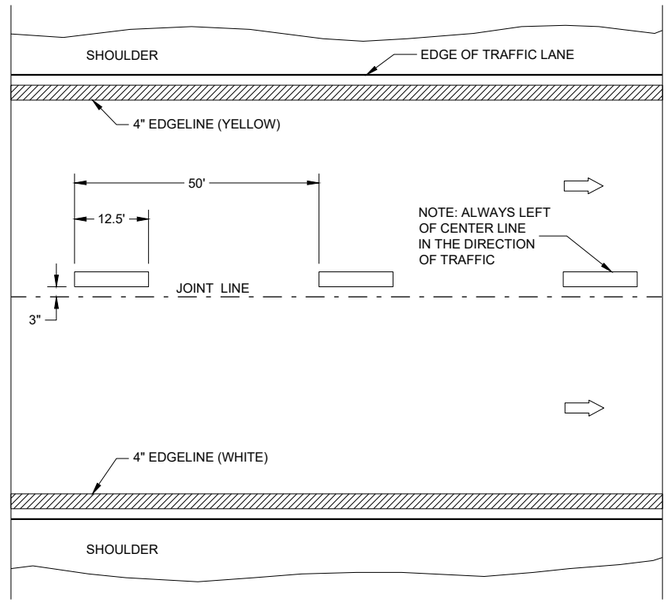
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

6

SDD 15C08 - 21b

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022 — DATE

/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

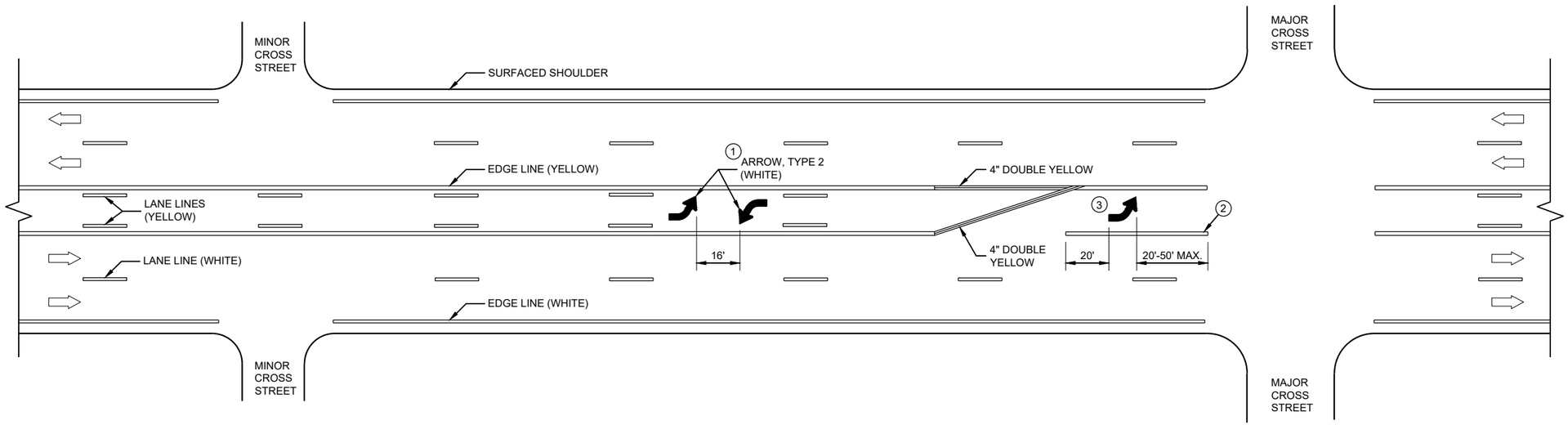
6

SDD 15C08 - 21b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

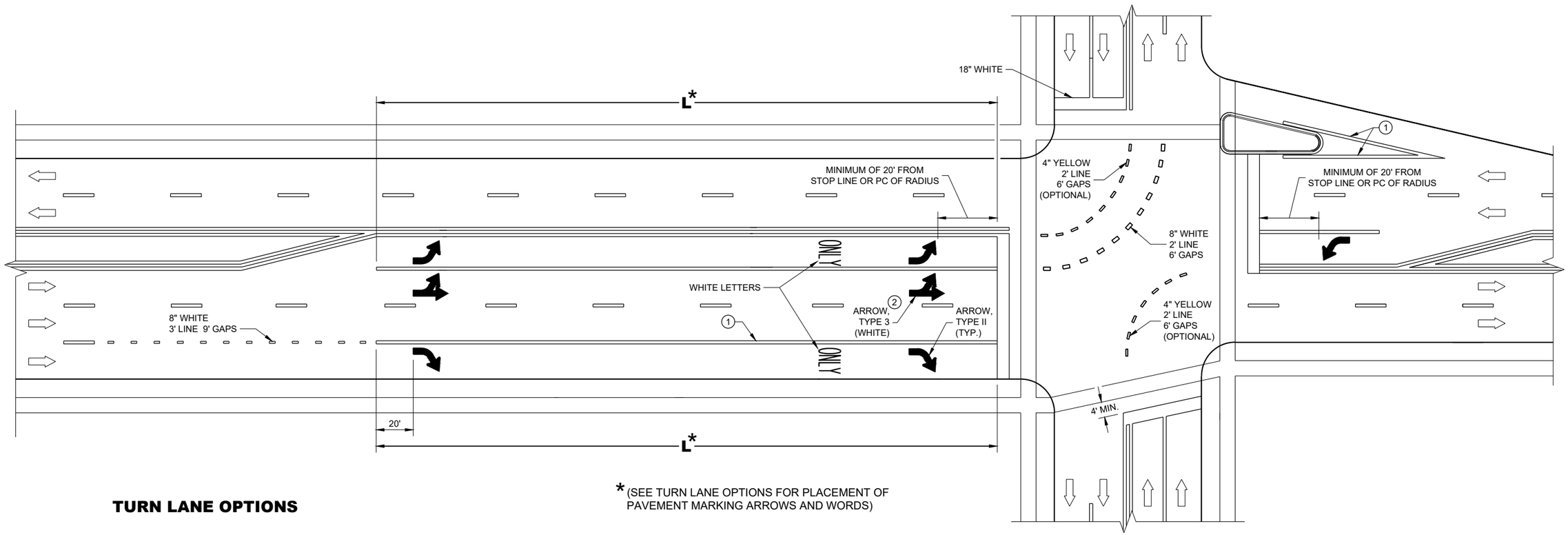
6

SDD 15C08 - 21c

SDD 15C08 - 21c

PAVEMENT MARKING (TURN LANES)

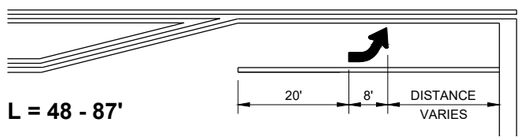
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



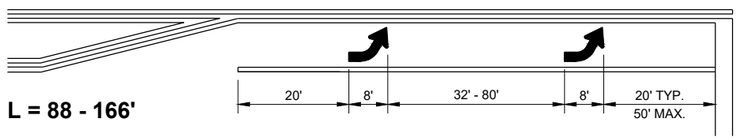
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

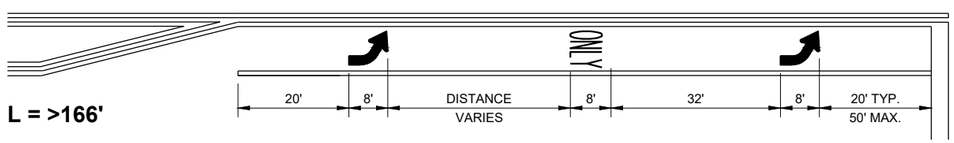
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

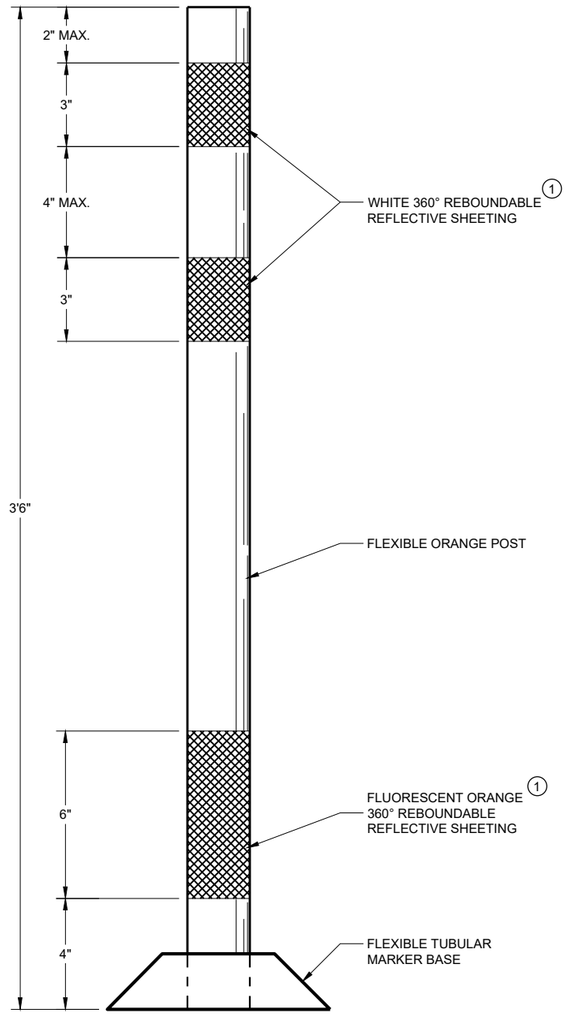
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 21d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

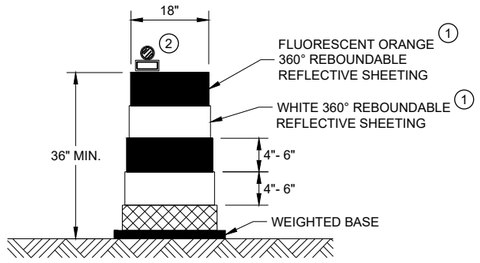
6

SDD 15C11 - 09a

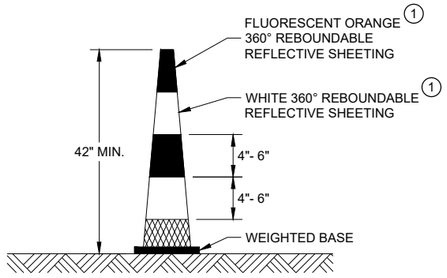
SDD 15C11 - 09a

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.

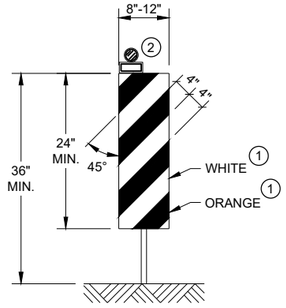


DRUM



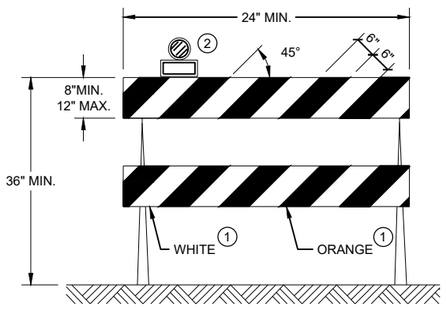
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



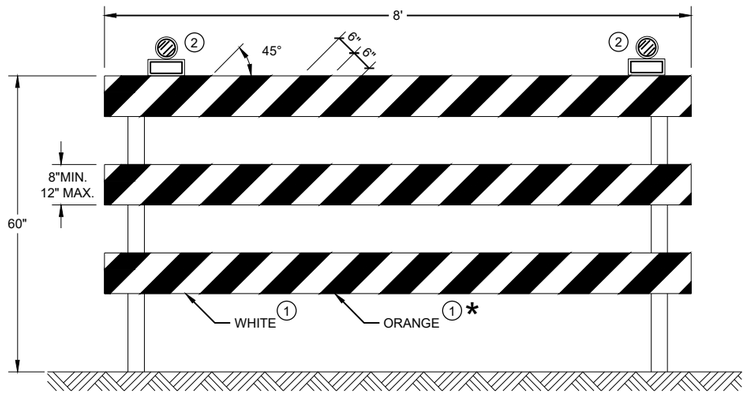
VERTICAL PANEL

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 ENGINEER
FHWA

6

SDD 15C11 - 09b

6

SDD 15C11 - 09b

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.

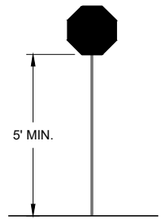
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



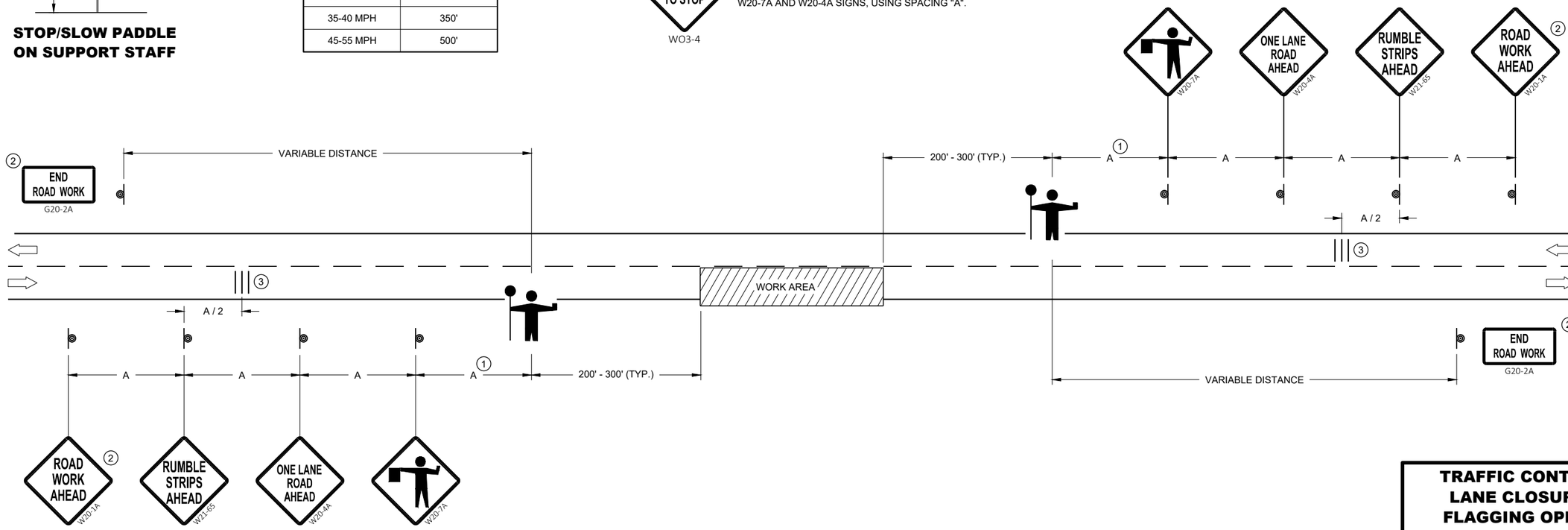
STOP/SLOW PADDLE ON SUPPORT STAFF

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

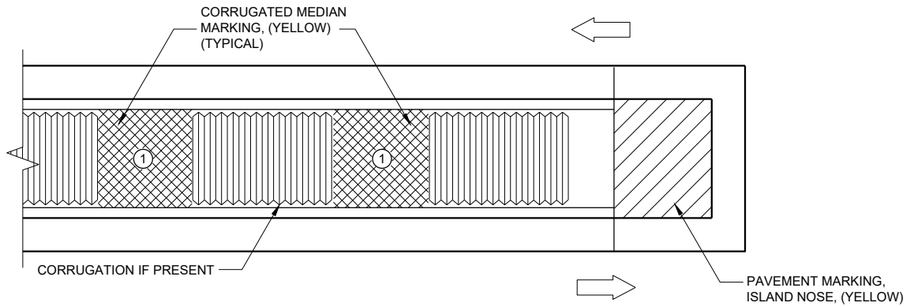
APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

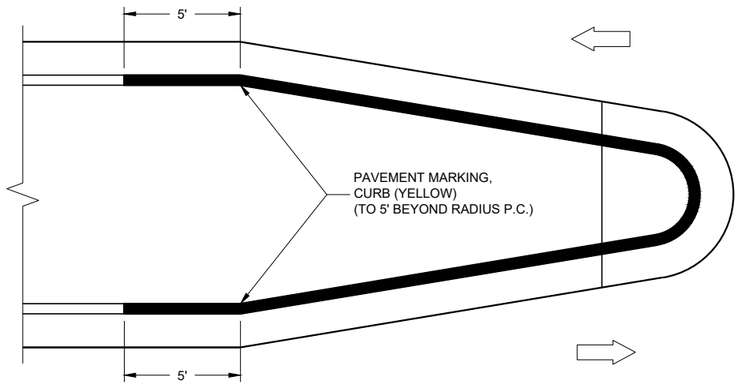
FHWA

SDD 15C12 - 09a

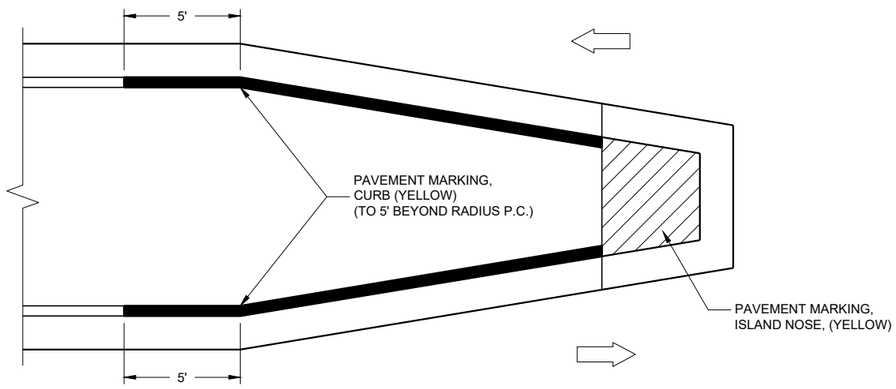
SDD 15C12 - 09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2022
DATE

/S/ Jeannie Silver
STATE SIGNING AND MAR ENGINEER

FHWA

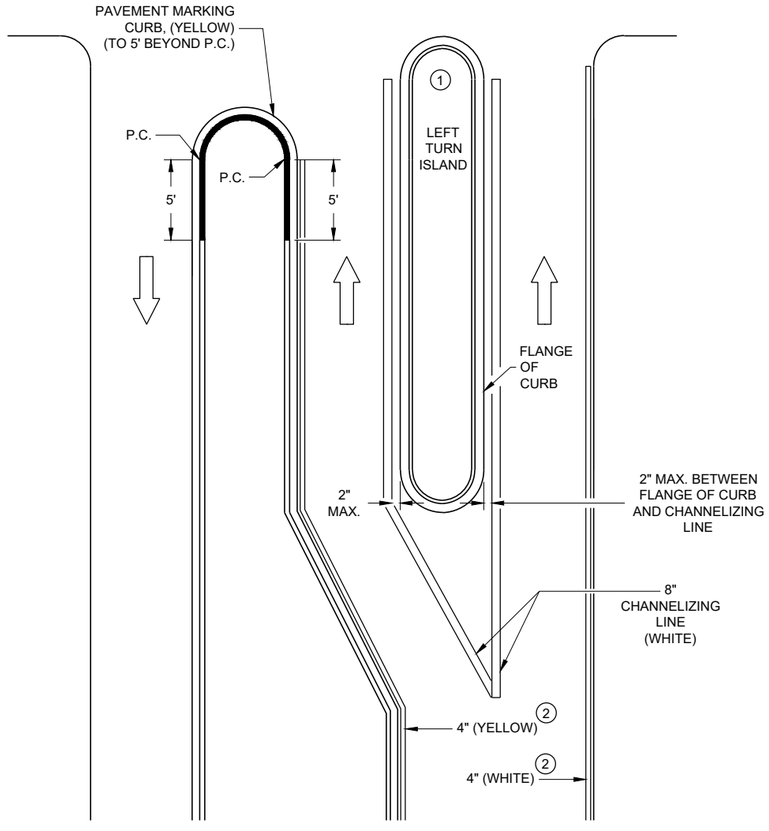
6

SDD 15C18 - 06b

6

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

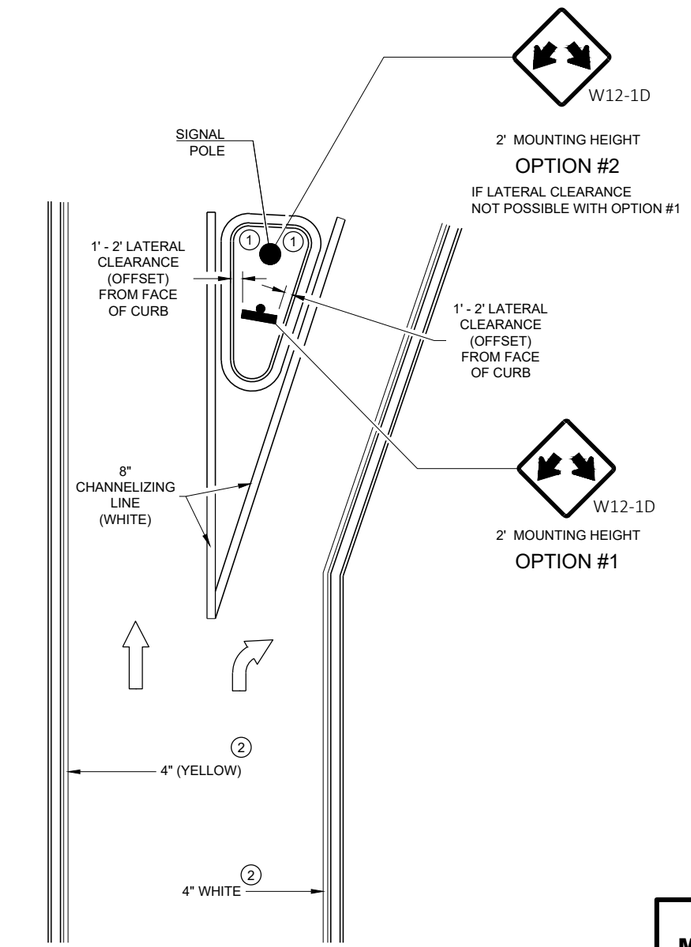
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

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

FHWA

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SDD 15C18 - 06c

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LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

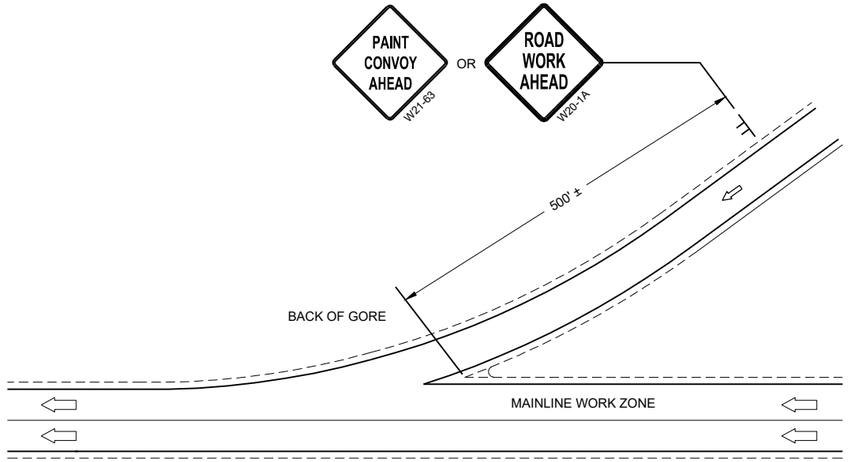
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

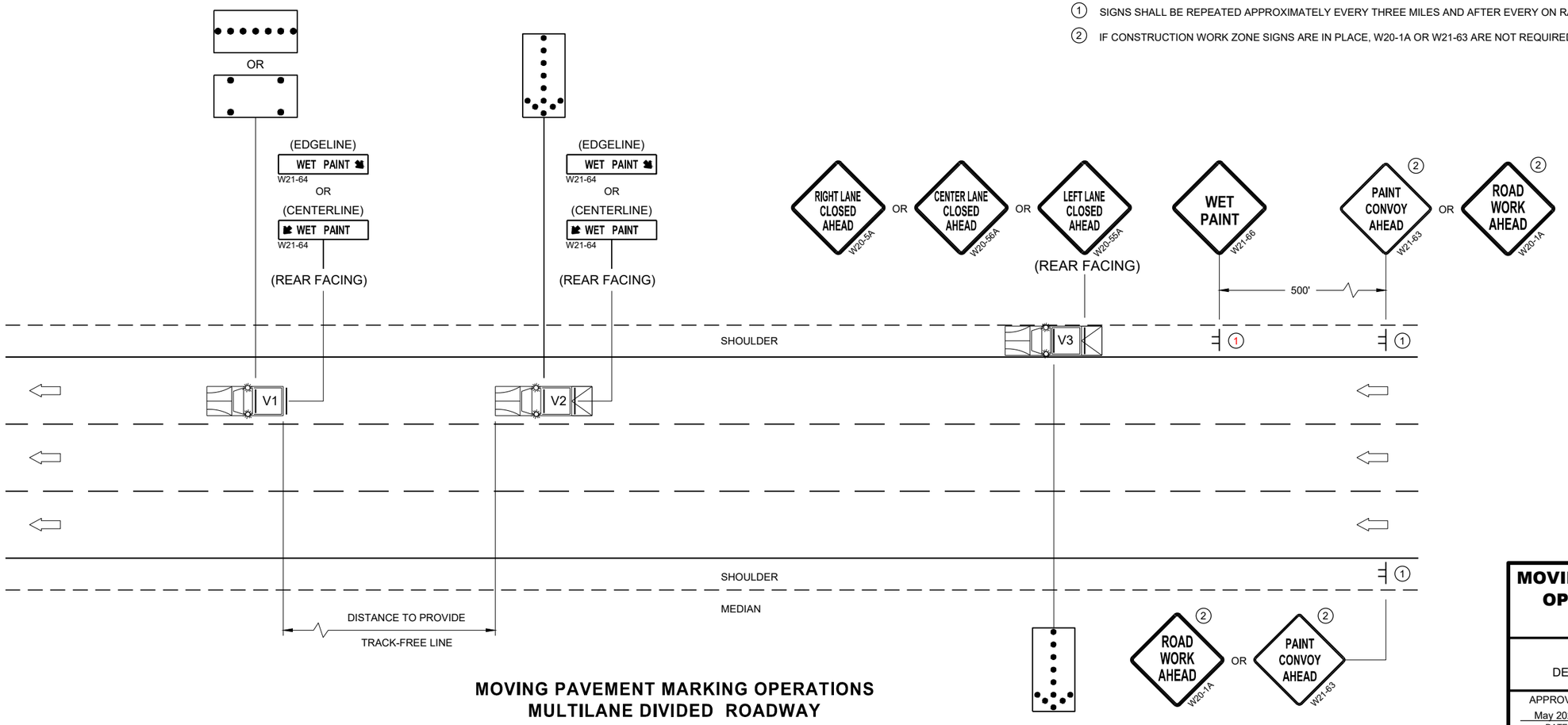
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 28" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD15C19 - 07c

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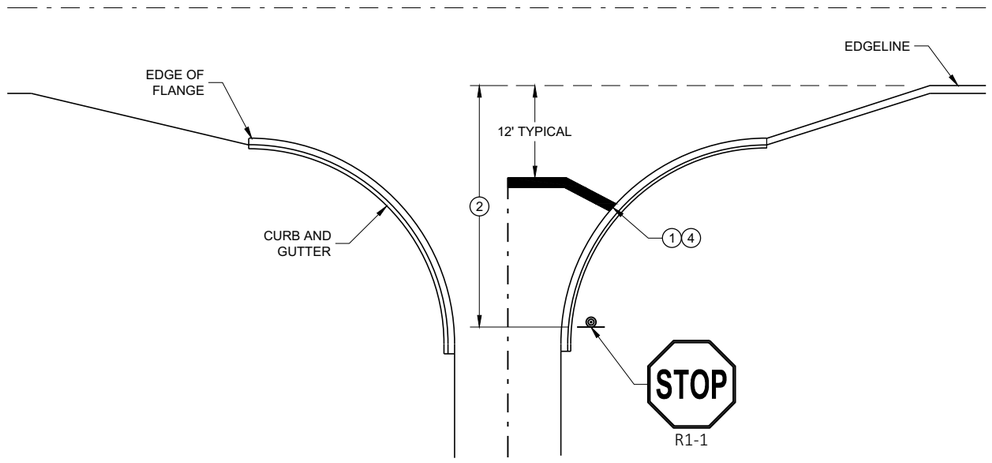
SDD15C19 - 07c

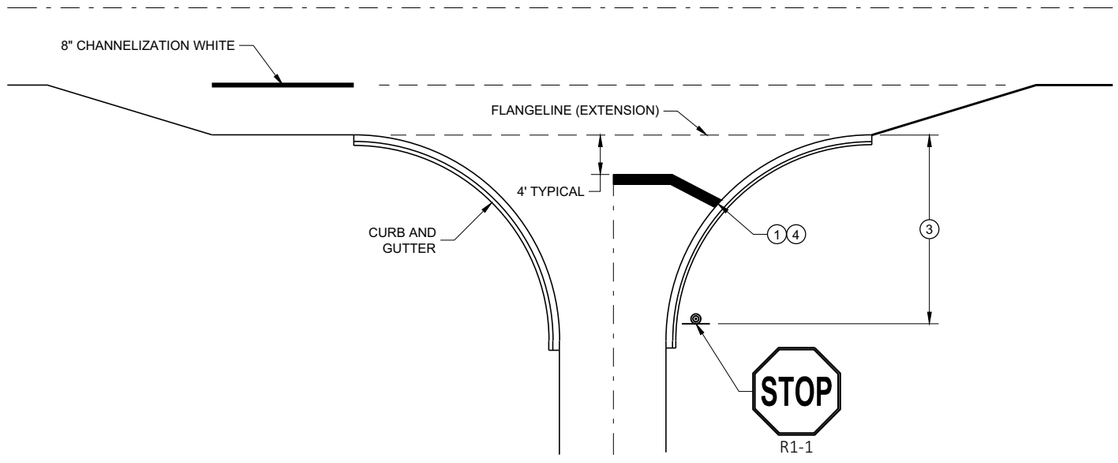
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

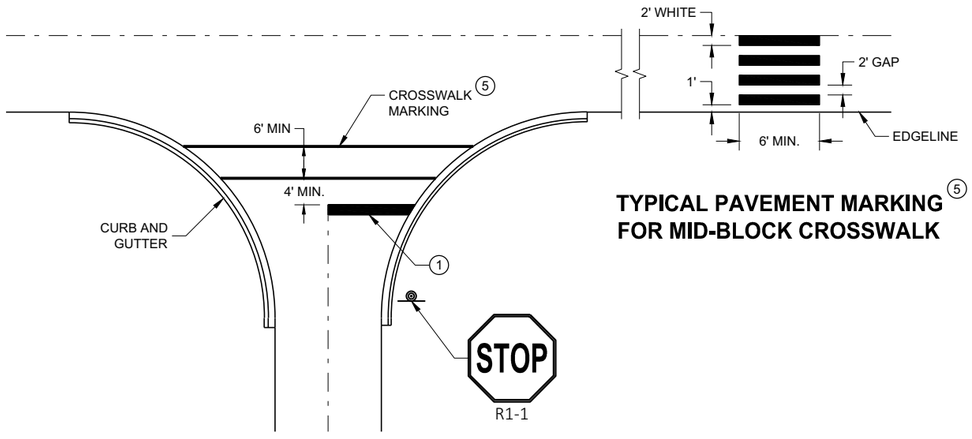
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

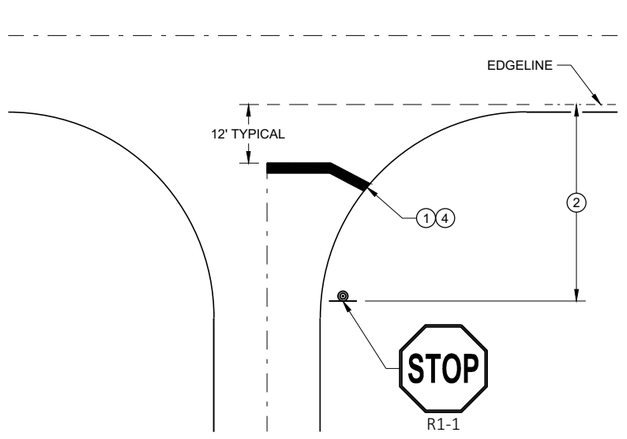


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



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

SDD 15C33 - 04

SDD 15C33 - 04

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

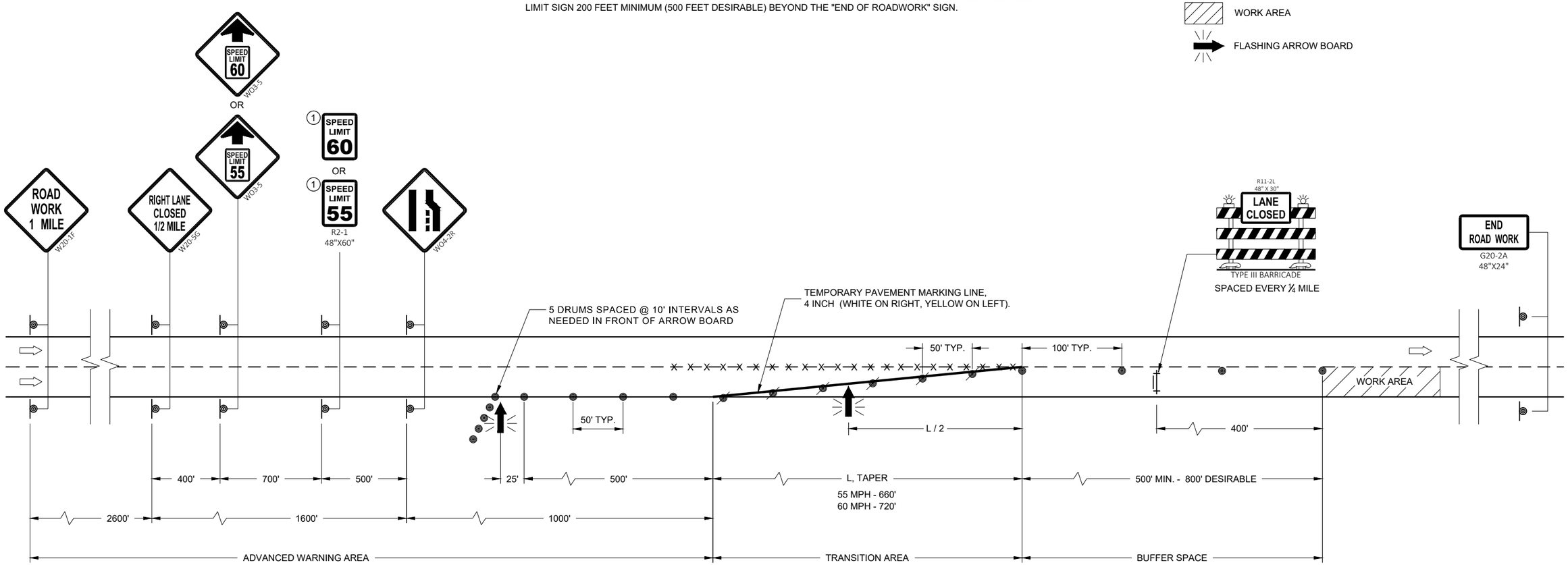
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D12 - 10b

6

SDD 15D12 - 10b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

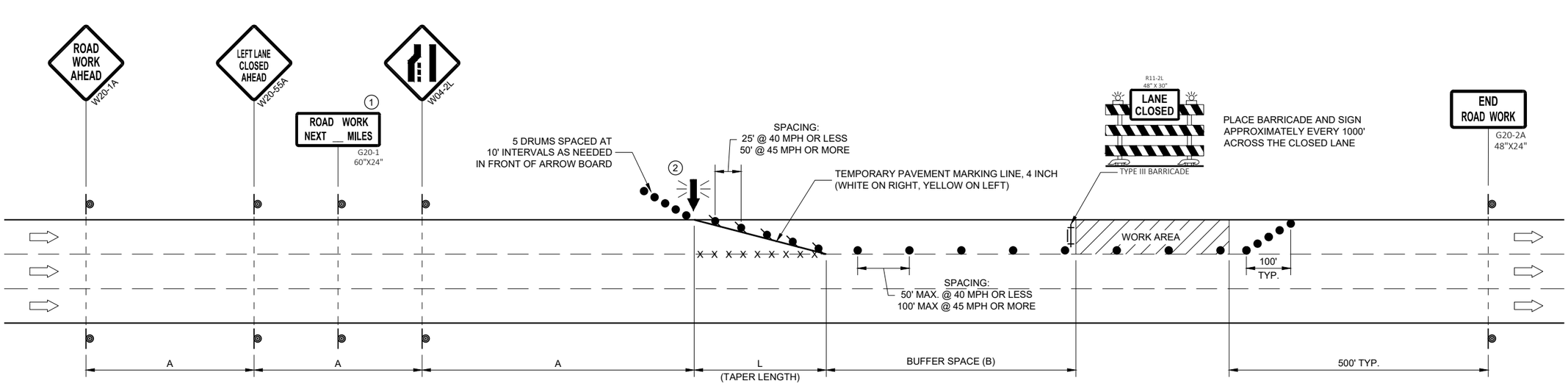
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D20 - 06a

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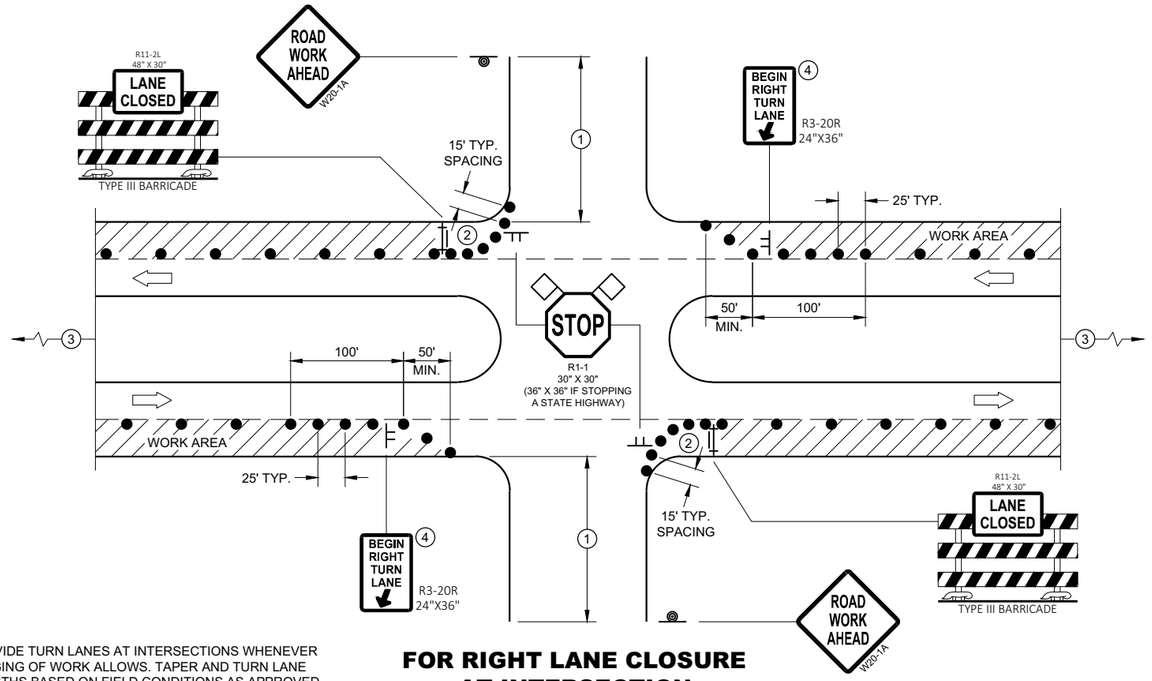
SDD15D20 - 06a



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

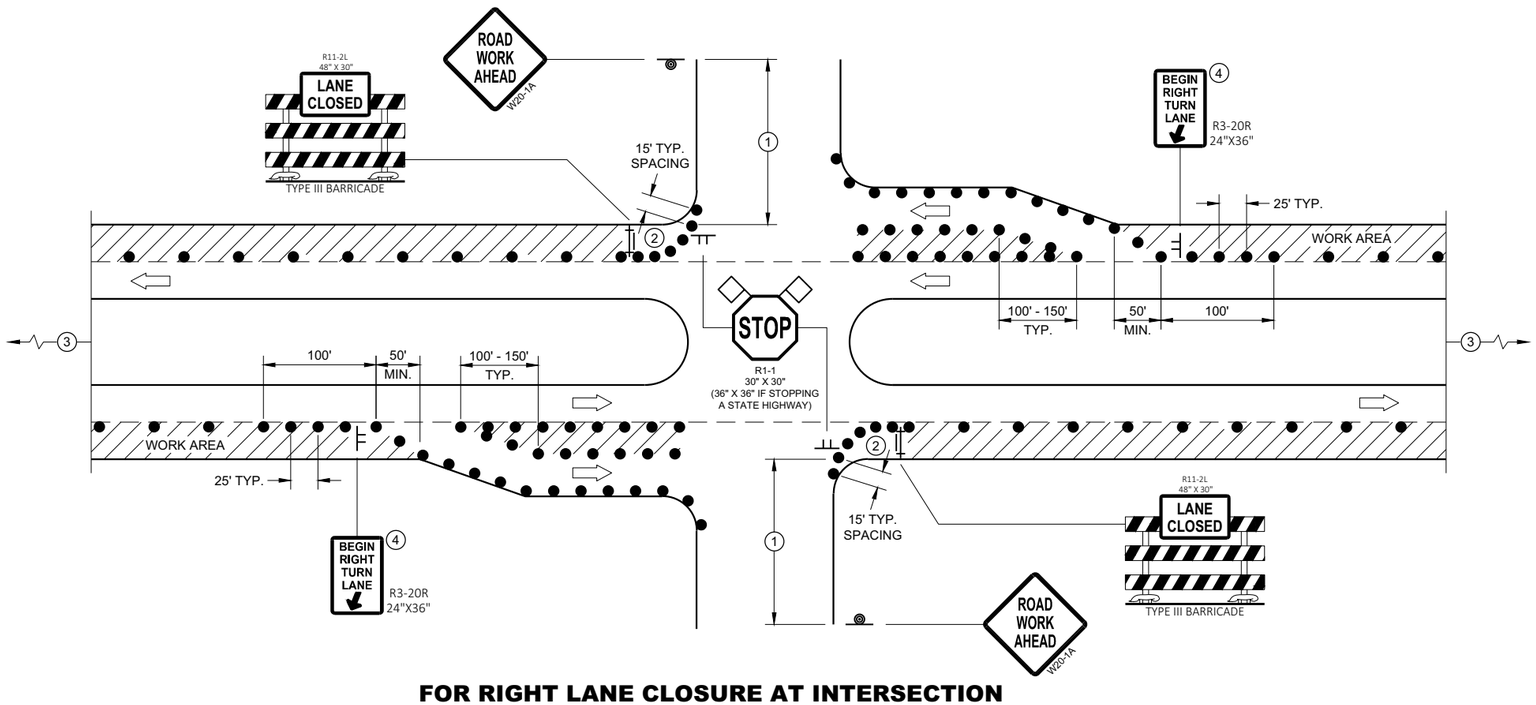
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

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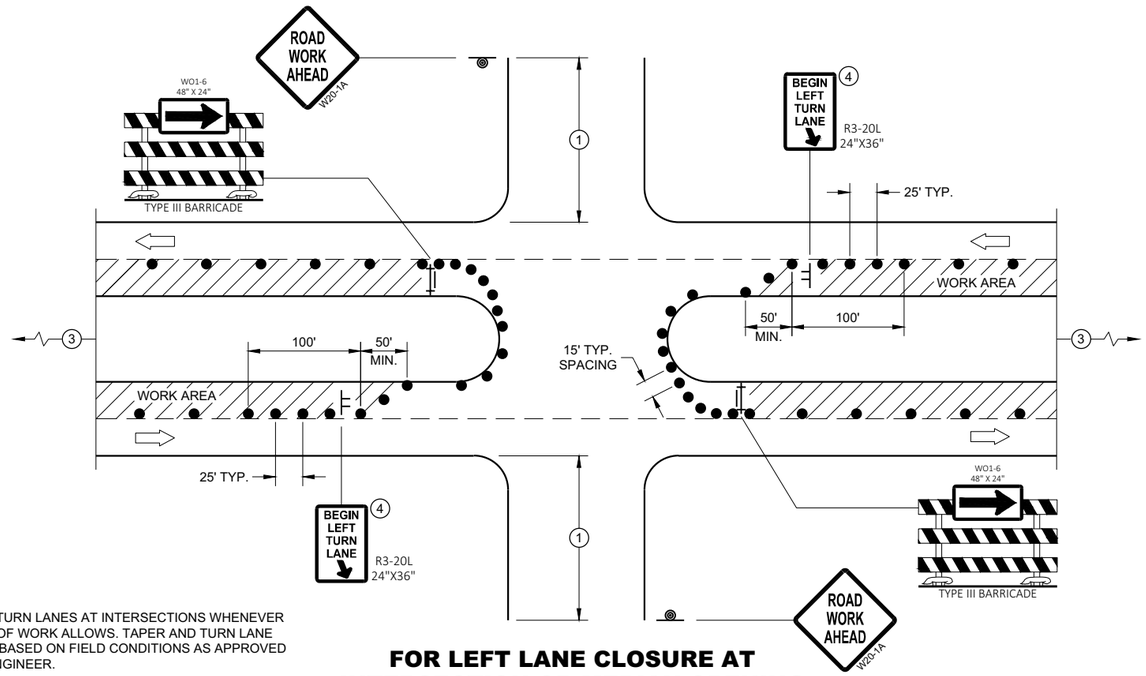
SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

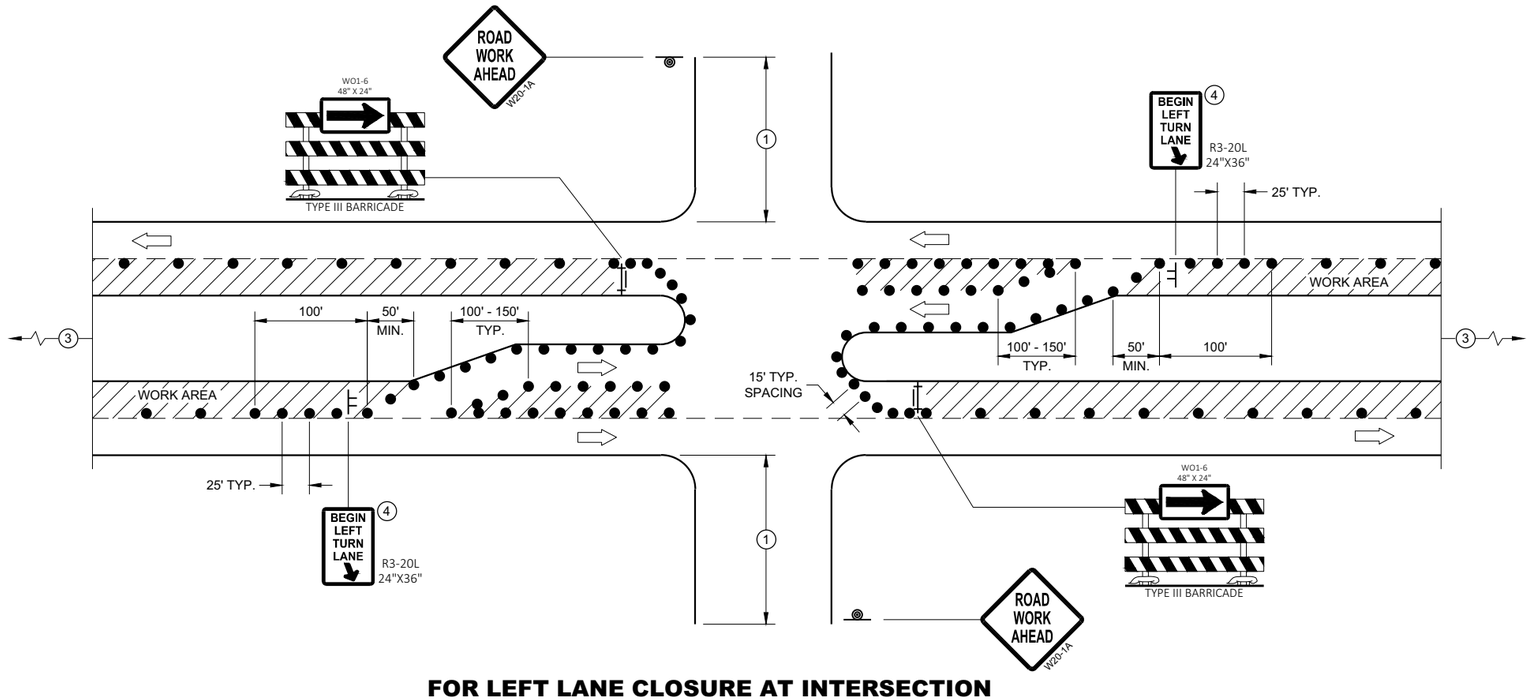
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

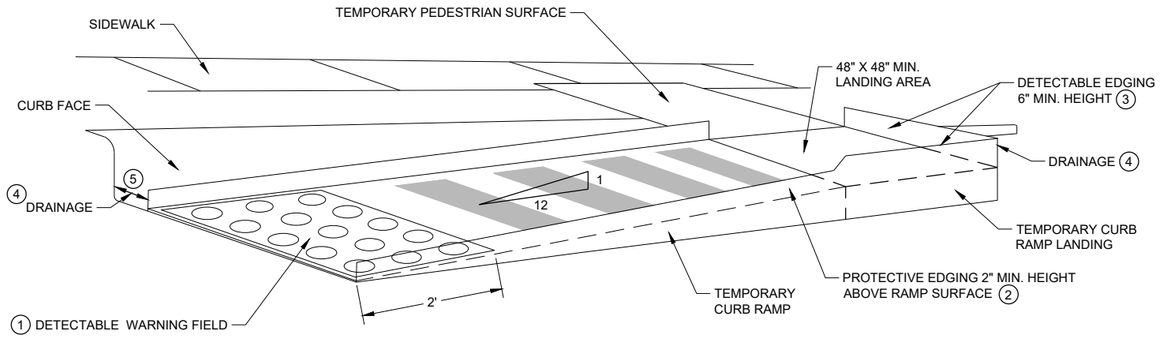
APPROVED
August 2020 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

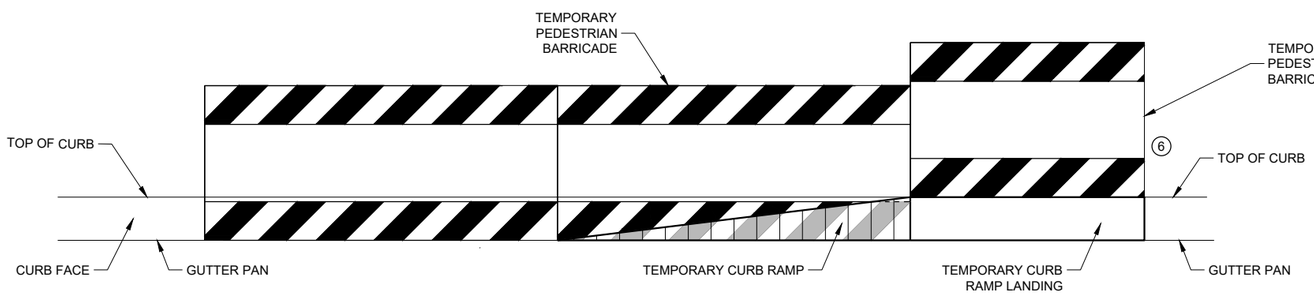
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

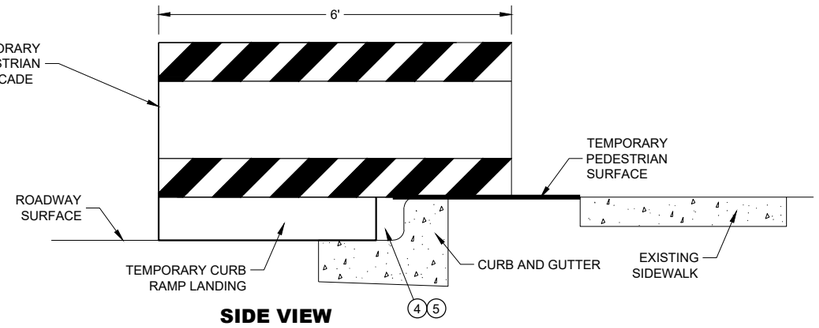
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) 6" MINIMUM BETWEEN CURB FACE AND EDGE OF RAMP

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

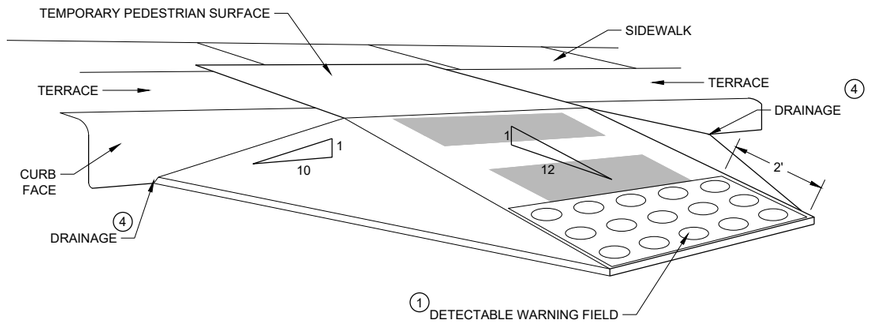
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

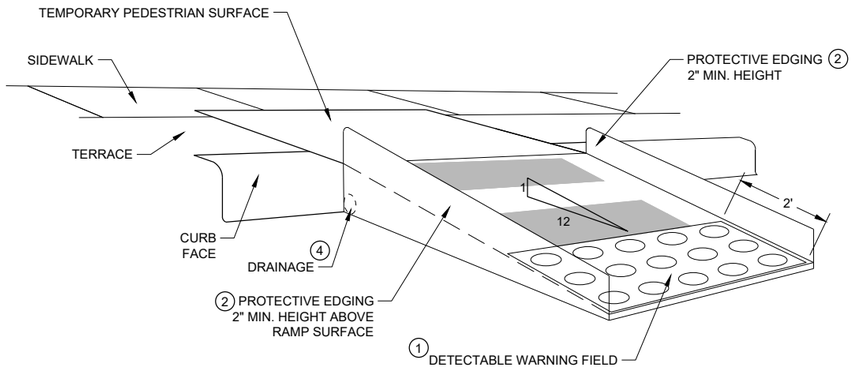
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 07b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES

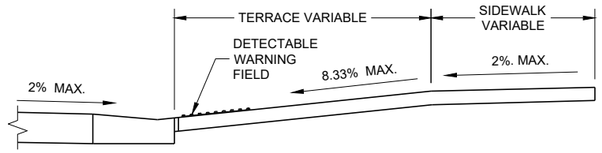
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

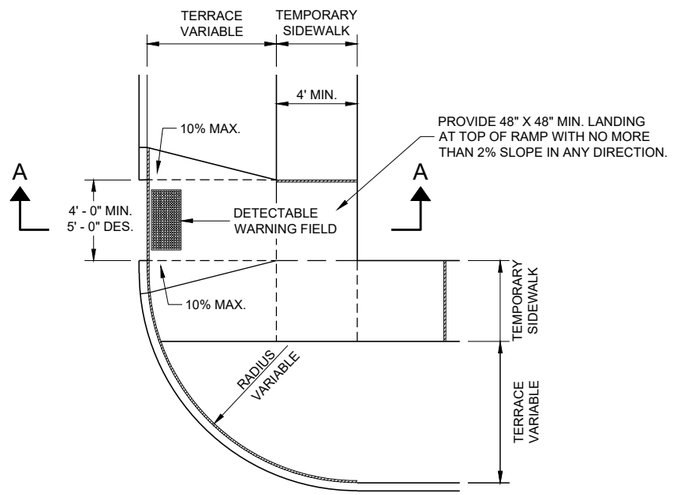
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D30 - 07d

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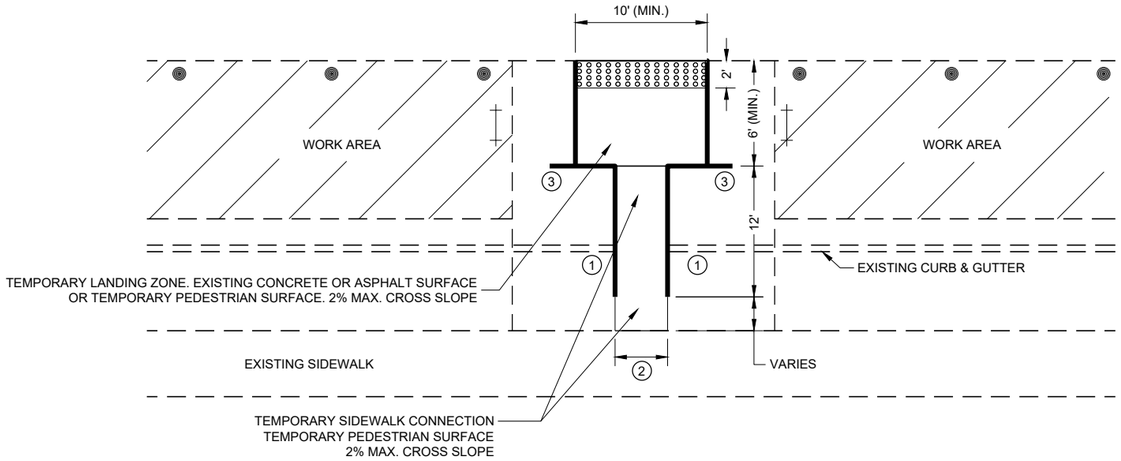
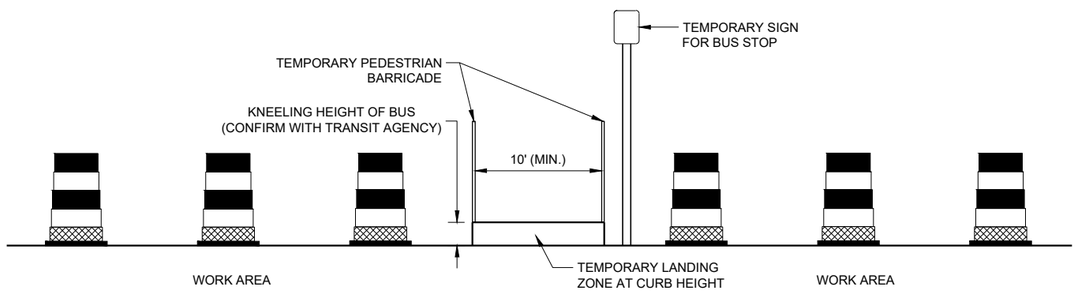
SDD 15D30 - 07d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

6

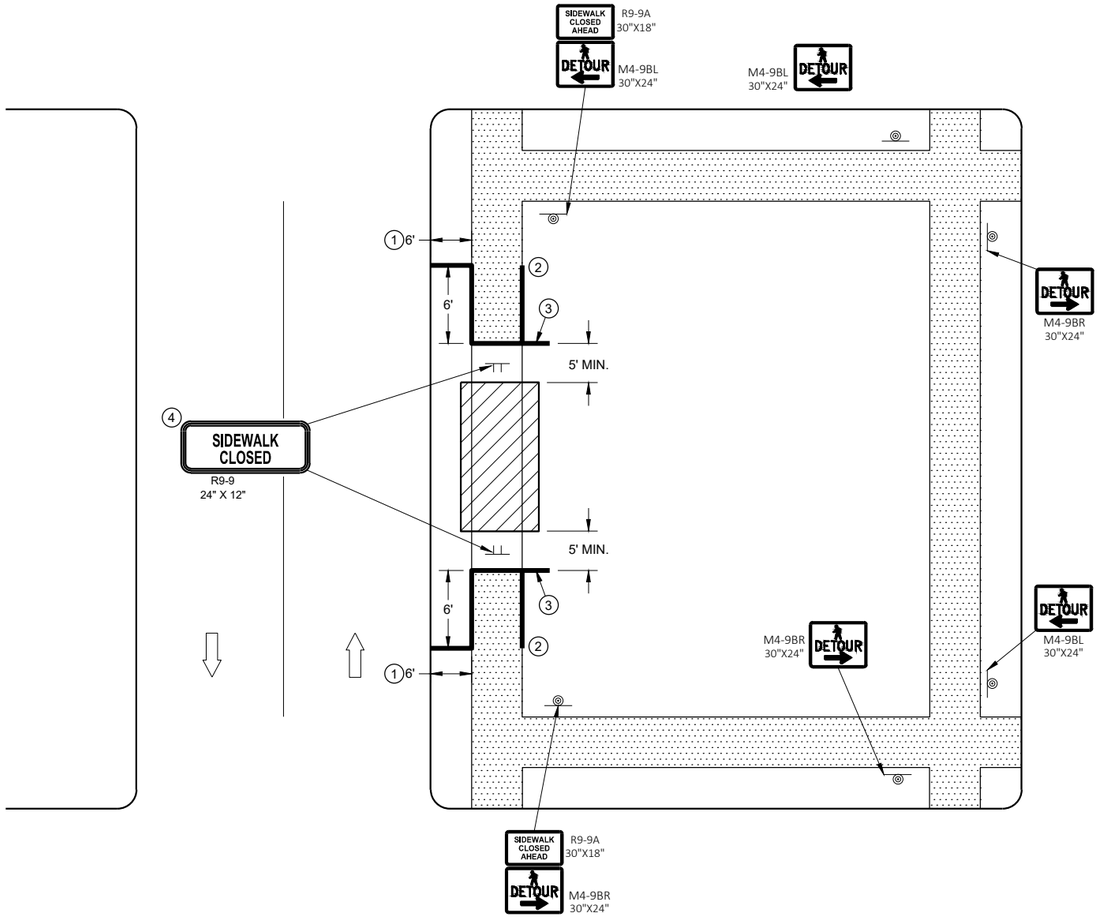
SDD 15D30 - 07e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA1315

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 07f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

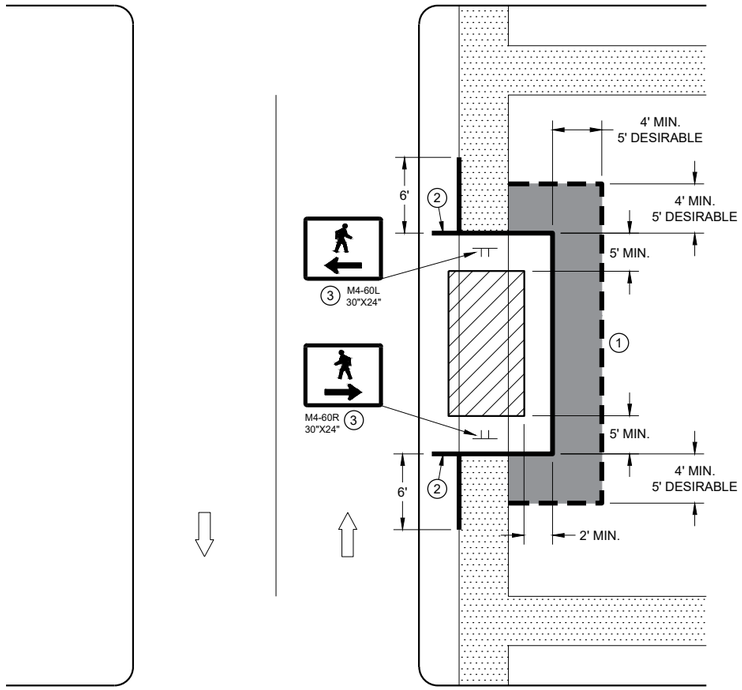
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 07g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 07g

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

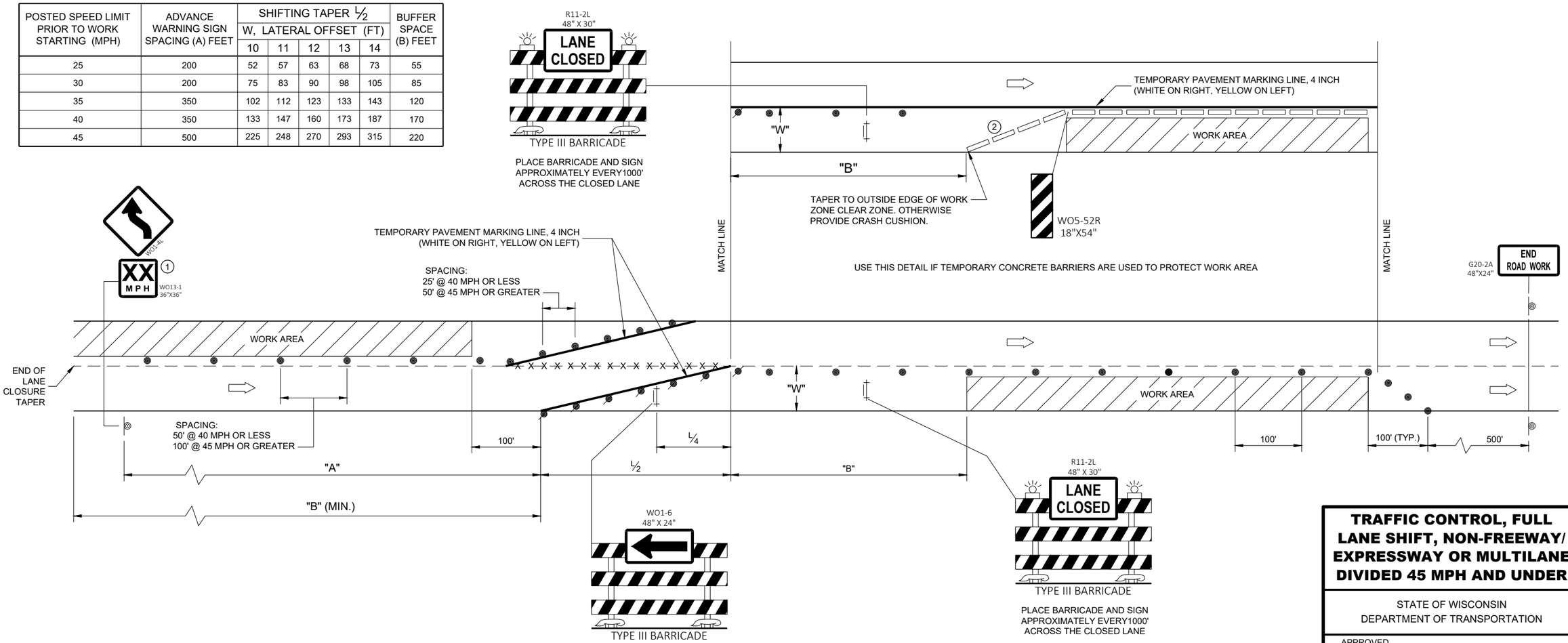
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40 - 04a

6

SDD 15D40 - 04a

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

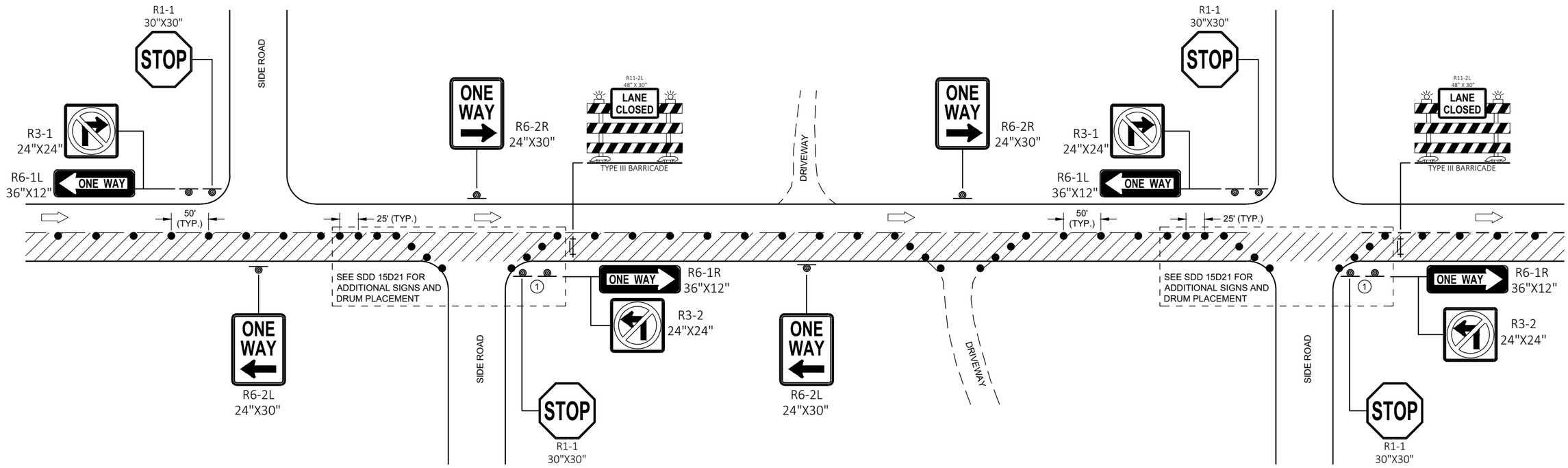
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	

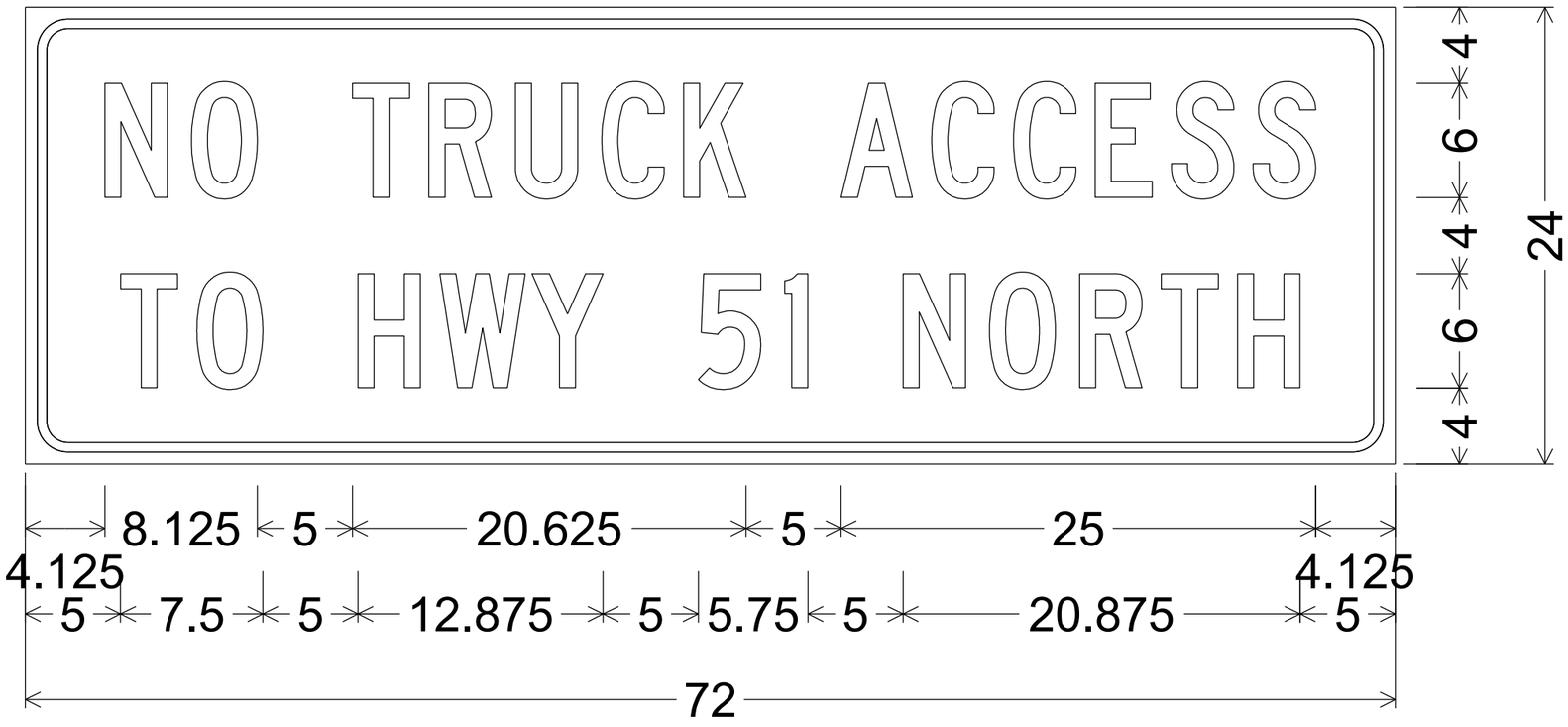
6

SDD 15D46 - 01

SDD 15D46 - 01

NOTES

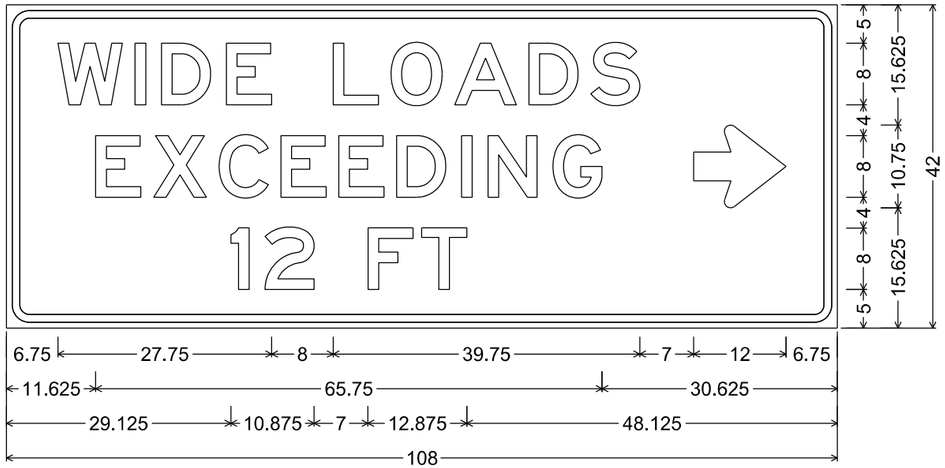
1. Fixed Message Sign Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



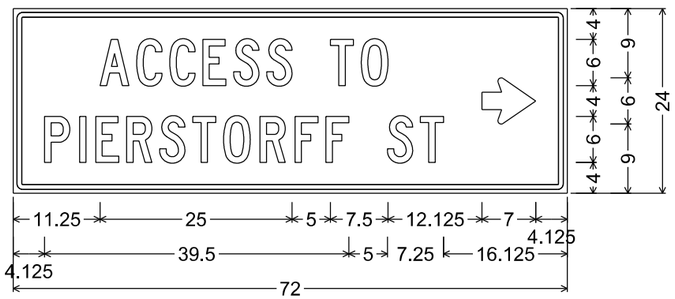
2.250" Radius, 0.500" Border, 0.625" Indent

NOTES

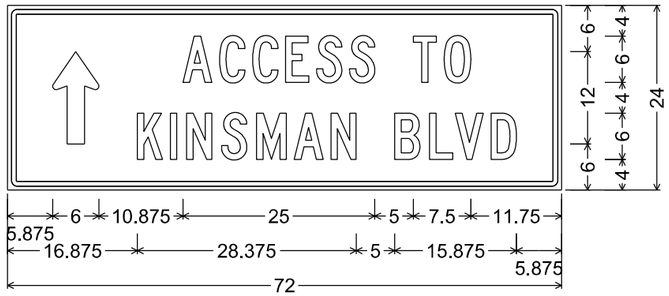
1. Fixed Message Signs Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C or as noted



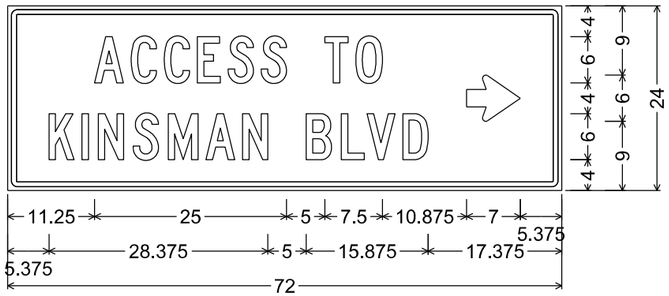
R12-70B (MOD); 3.000" Radius, 1.000" Border, 0.750" Indent
"WIDE", E; "LOADS", E; "EXCEEDING", E; "12", E; "FT", E;



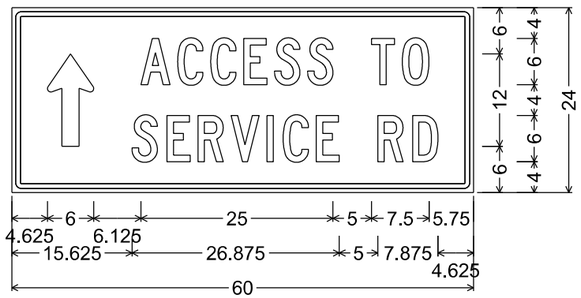
1.250" Radius, 0.625" Border, 0.500" Indent



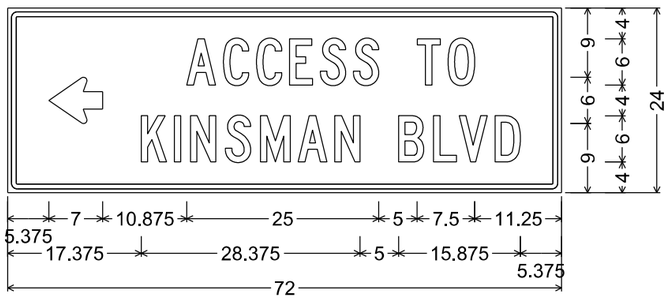
1.250" Radius, 0.625" Border, 0.500" Indent



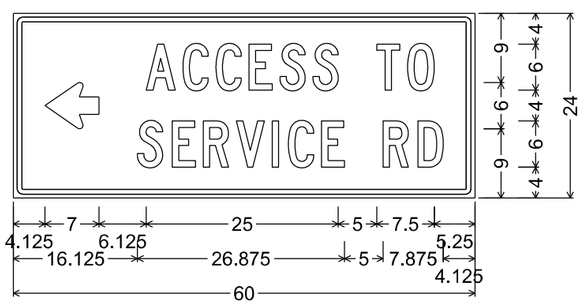
1.250" Radius, 0.625" Border, 0.500" Indent



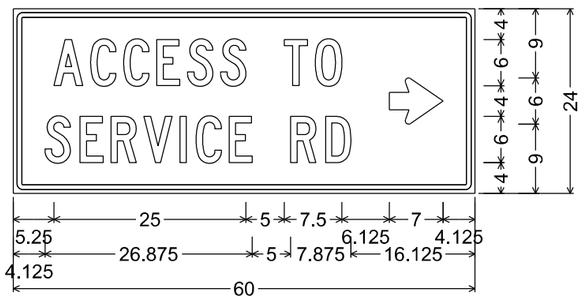
1.250" Radius, 0.625" Border, 0.500" Indent



1.250" Radius, 0.625" Border, 0.500" Indent

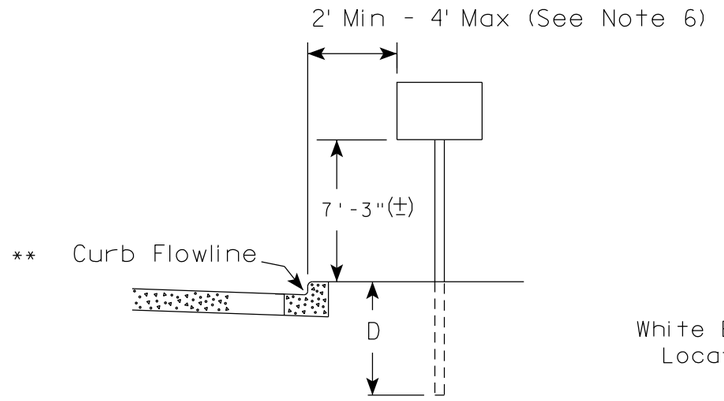


1.250" Radius, 0.625" Border, 0.500" Indent

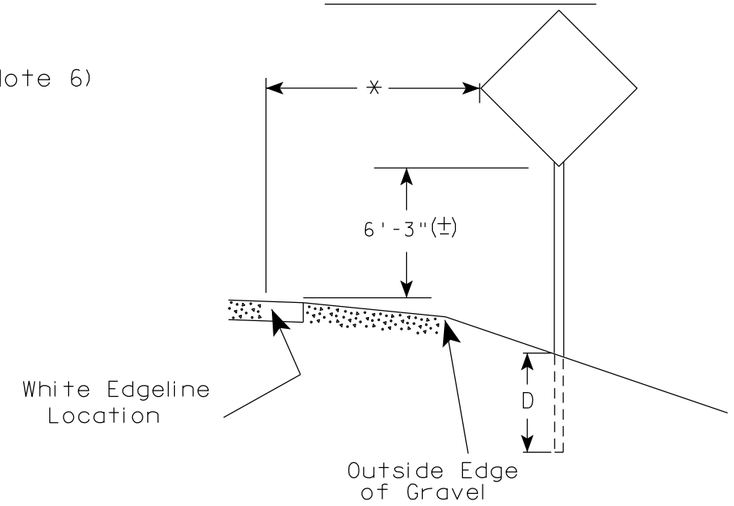


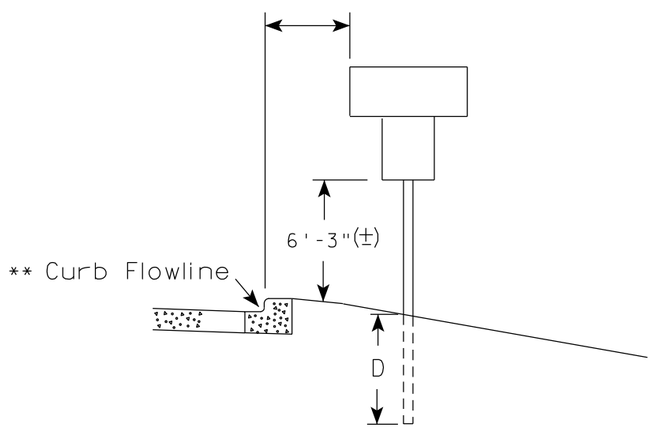
1.250" Radius, 0.625" Border, 0.500" Indent

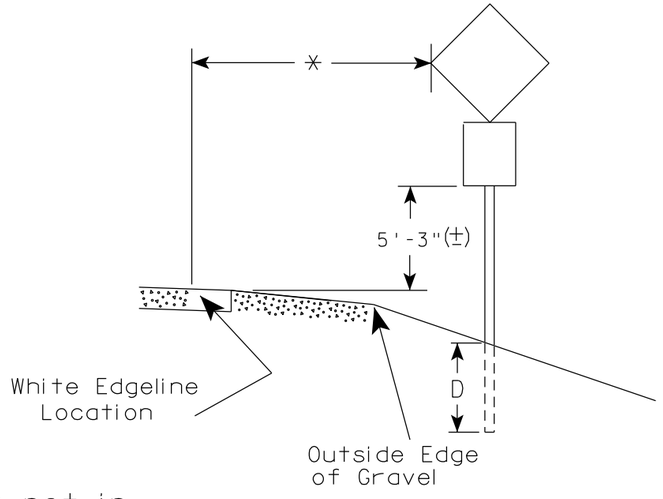
URBAN AREA



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.

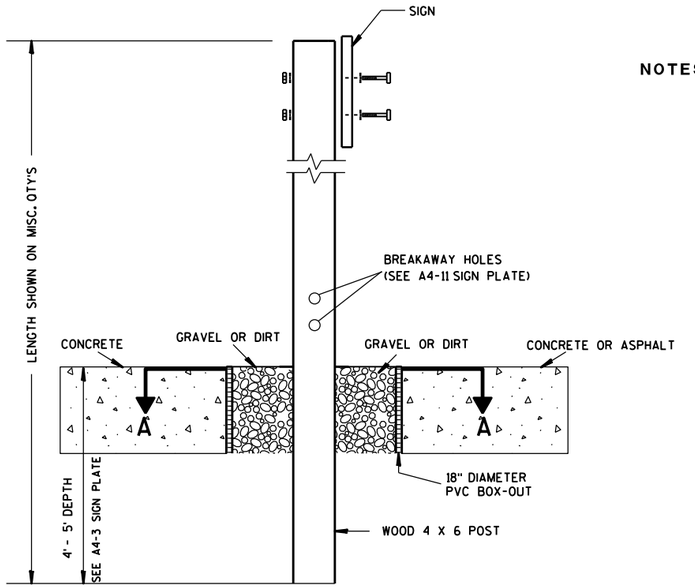
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

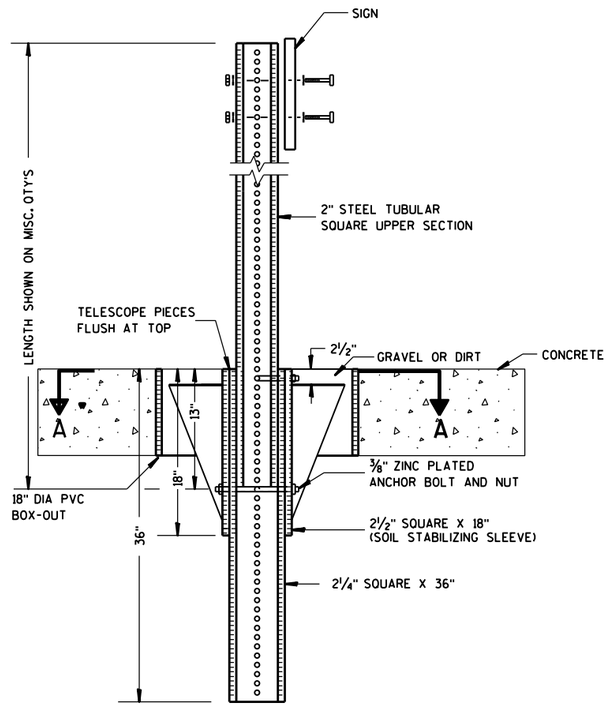
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	E



ELEVATION VIEW

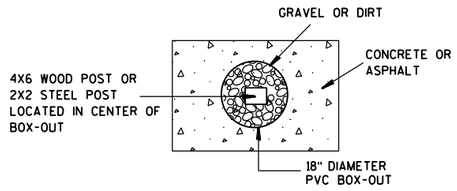
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

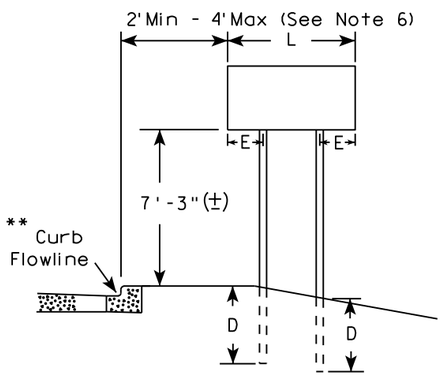
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

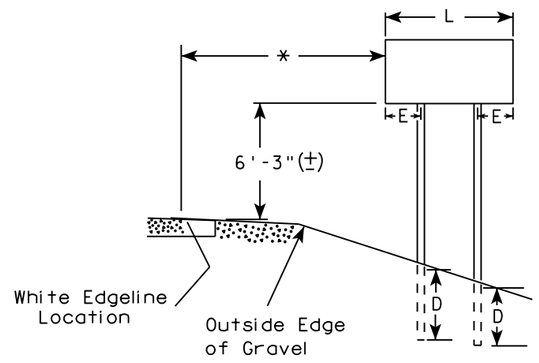
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

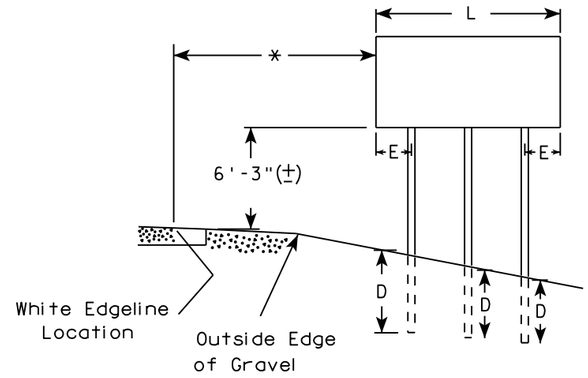
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

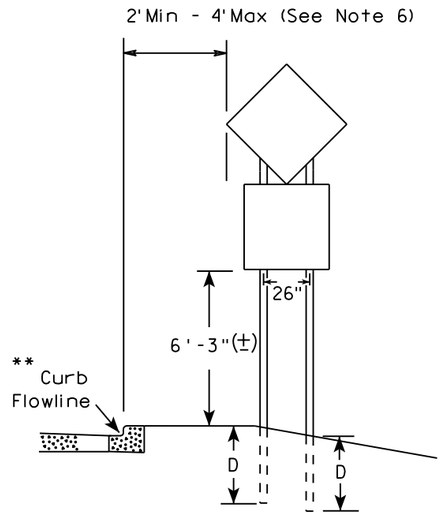
URBAN AREA



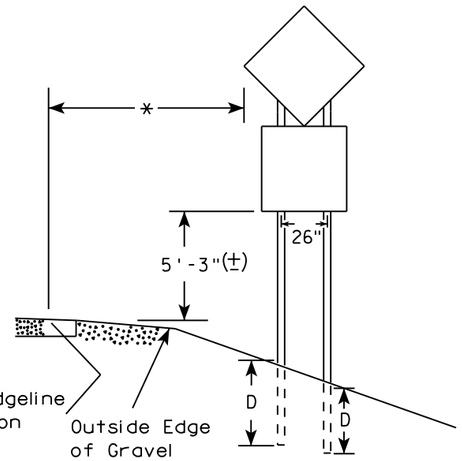
RURAL AREA (See Note 3)







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'

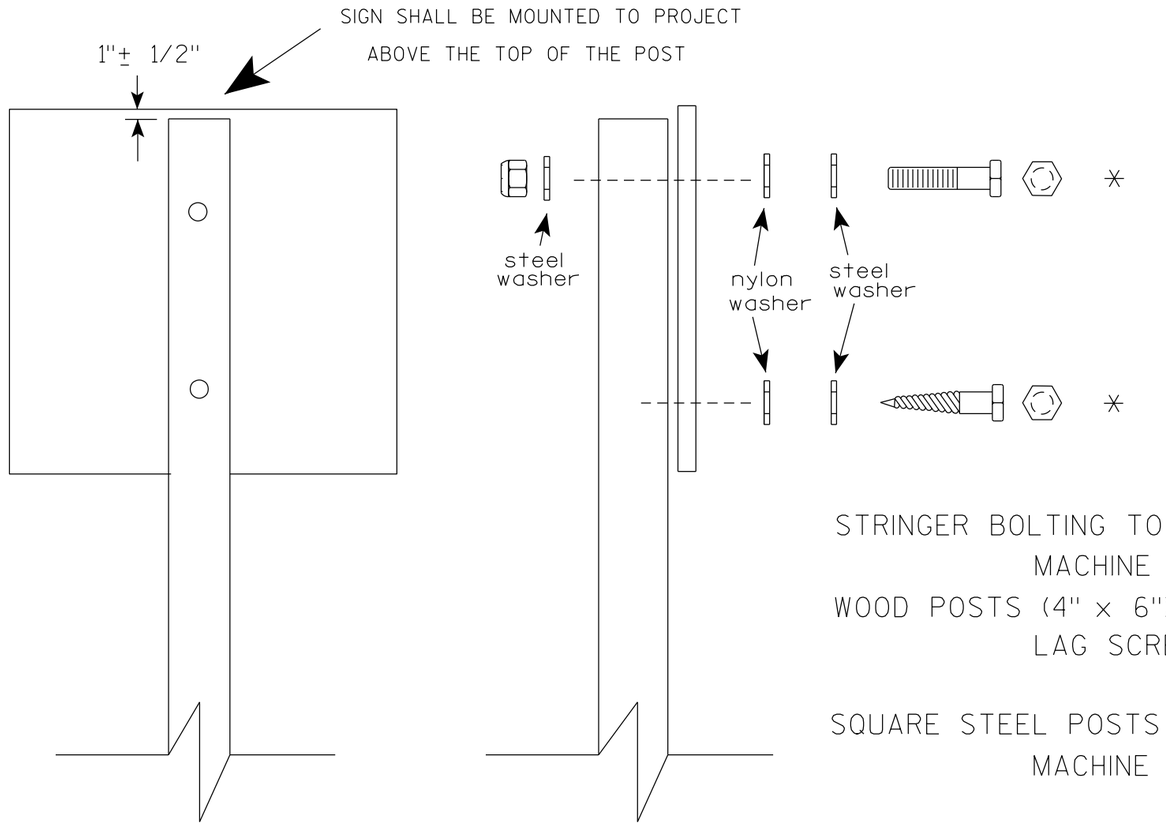
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 324	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

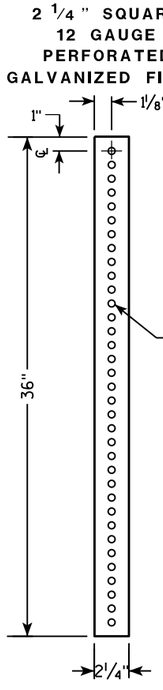
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

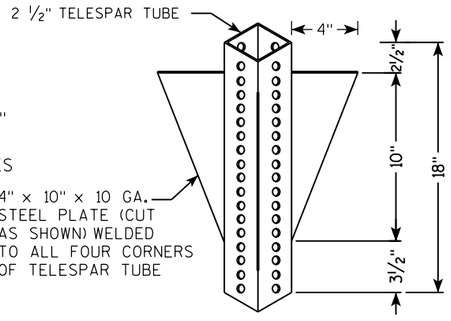
SHEET NO: 325 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

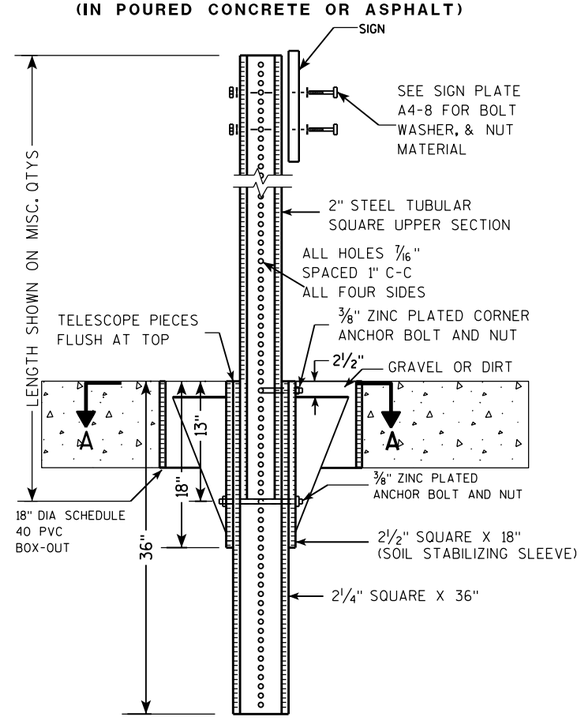
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



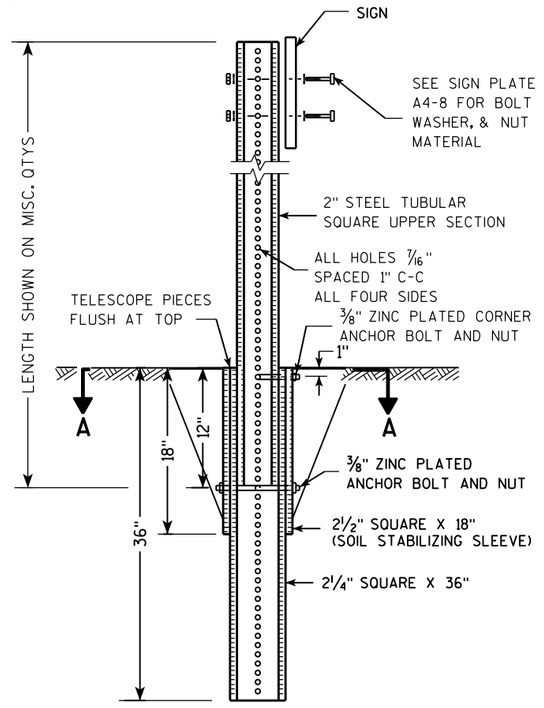
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

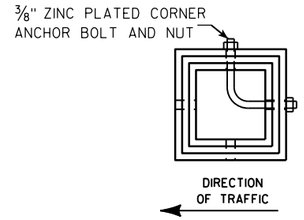


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

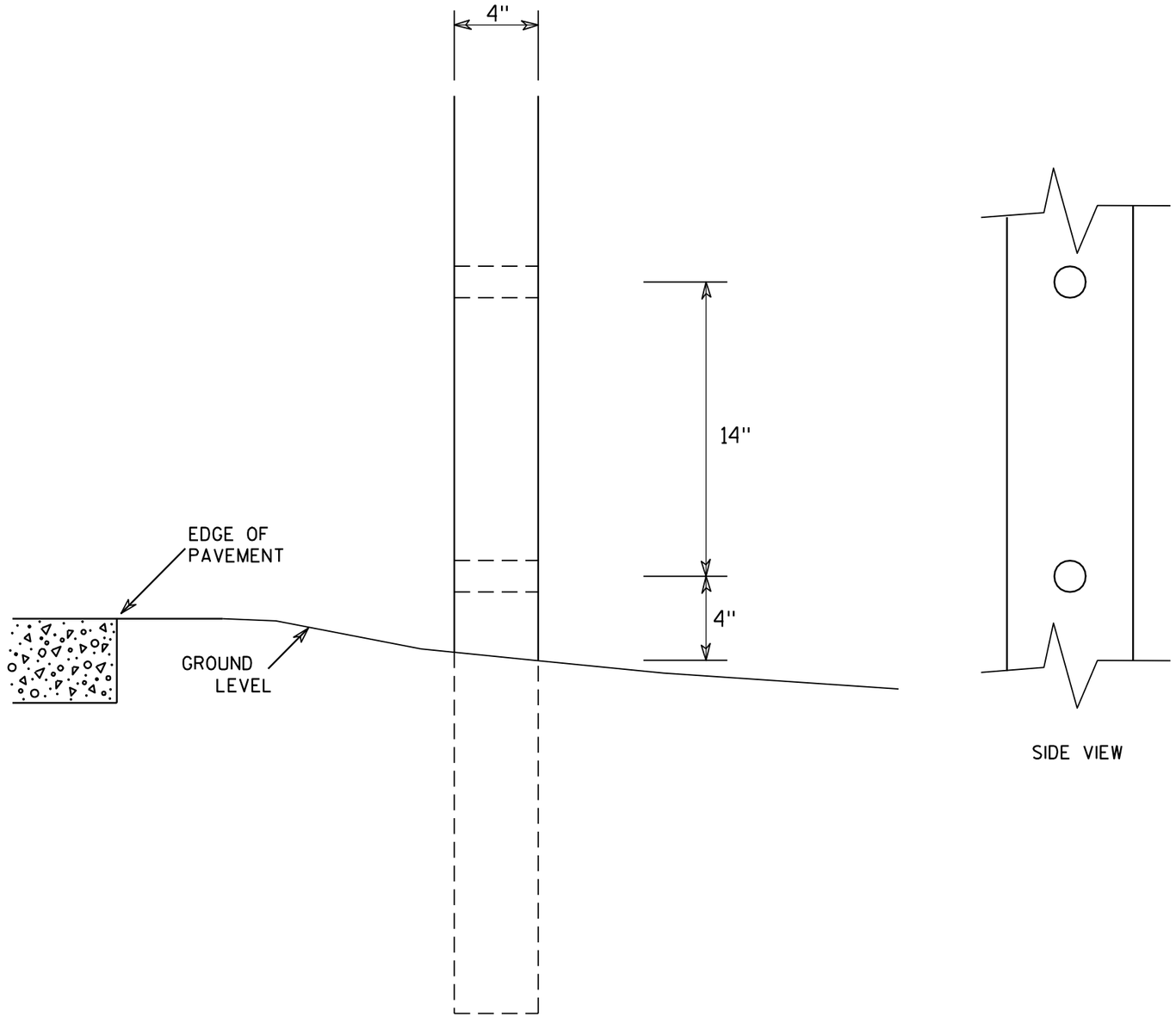
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

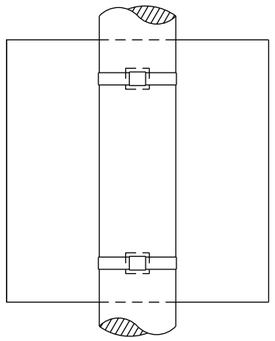
APPROVED Chester J Spang for State Traffic Engineer

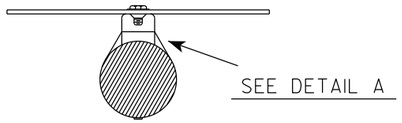
DATE 3/27/97 PLATE NO. A4-11.2

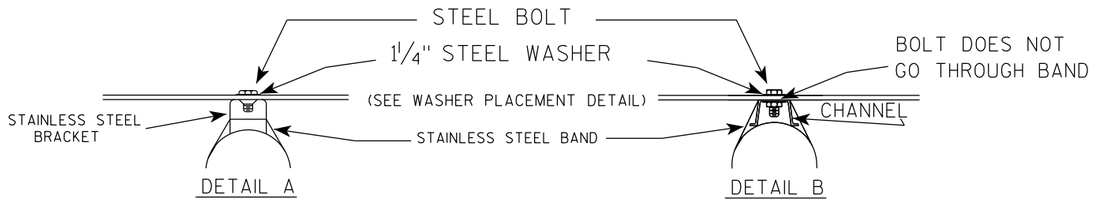
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 327	E

BANDING

SINGLE SIGN



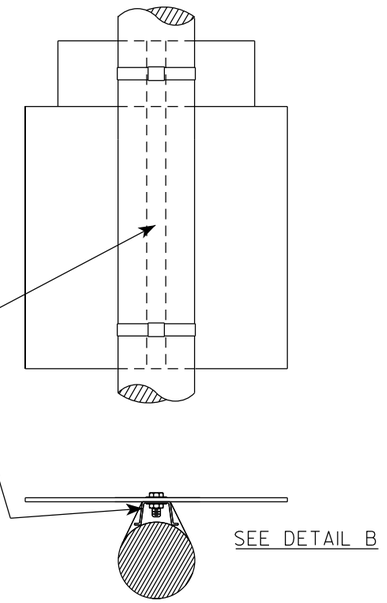




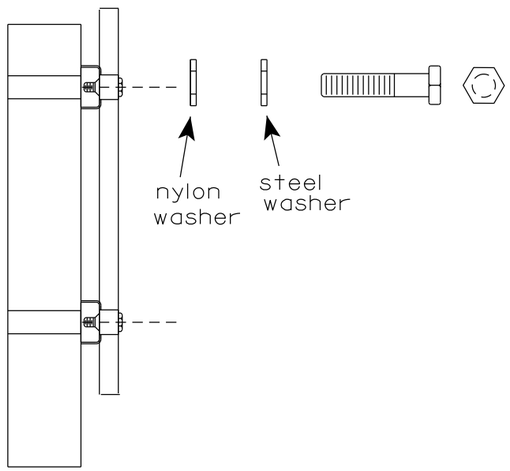
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

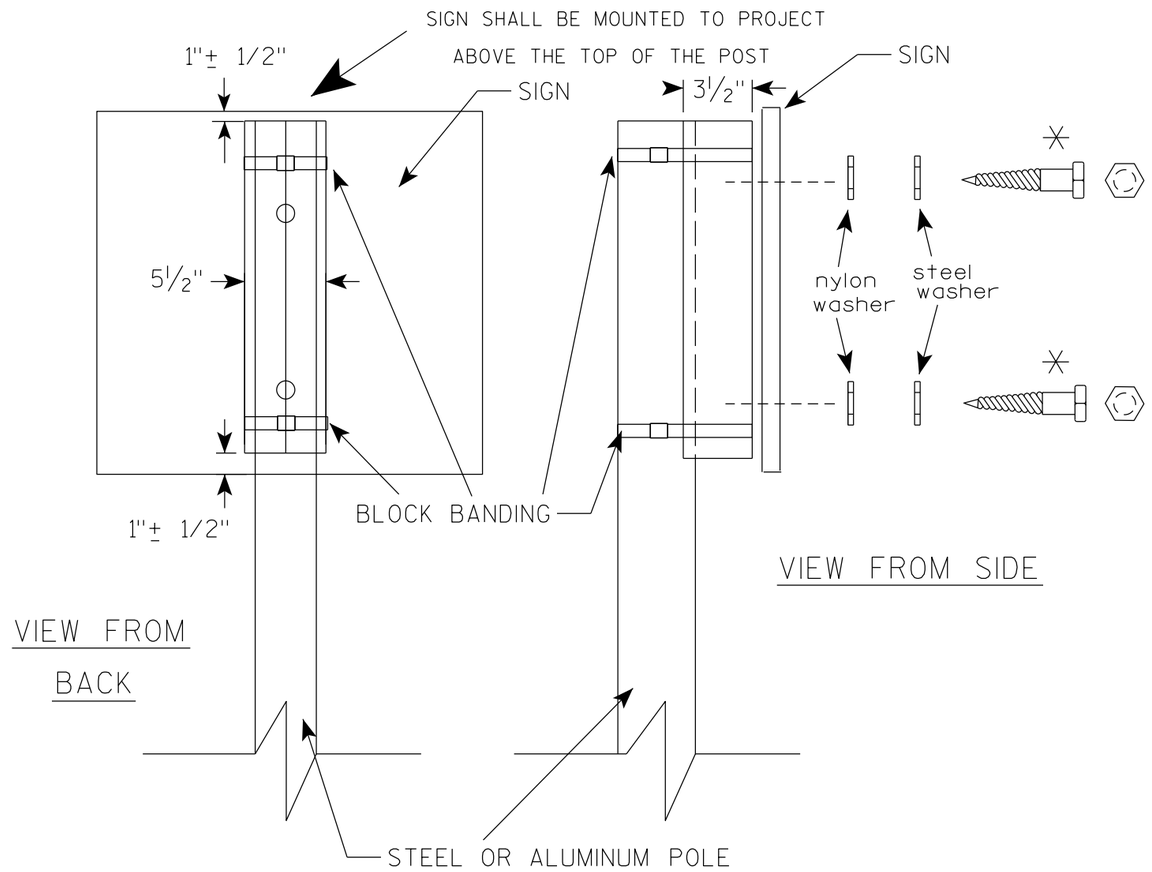
DATE 6/10/19 PLATE NO. A5-9.4

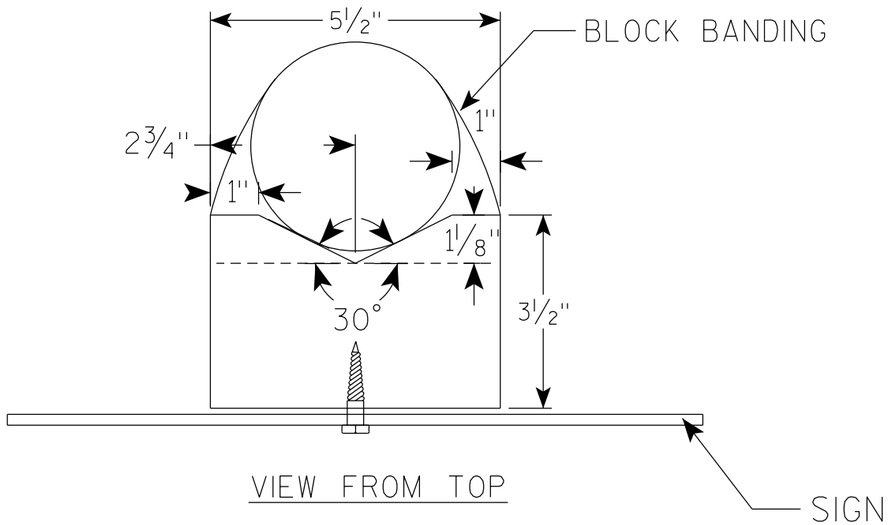
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 328	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

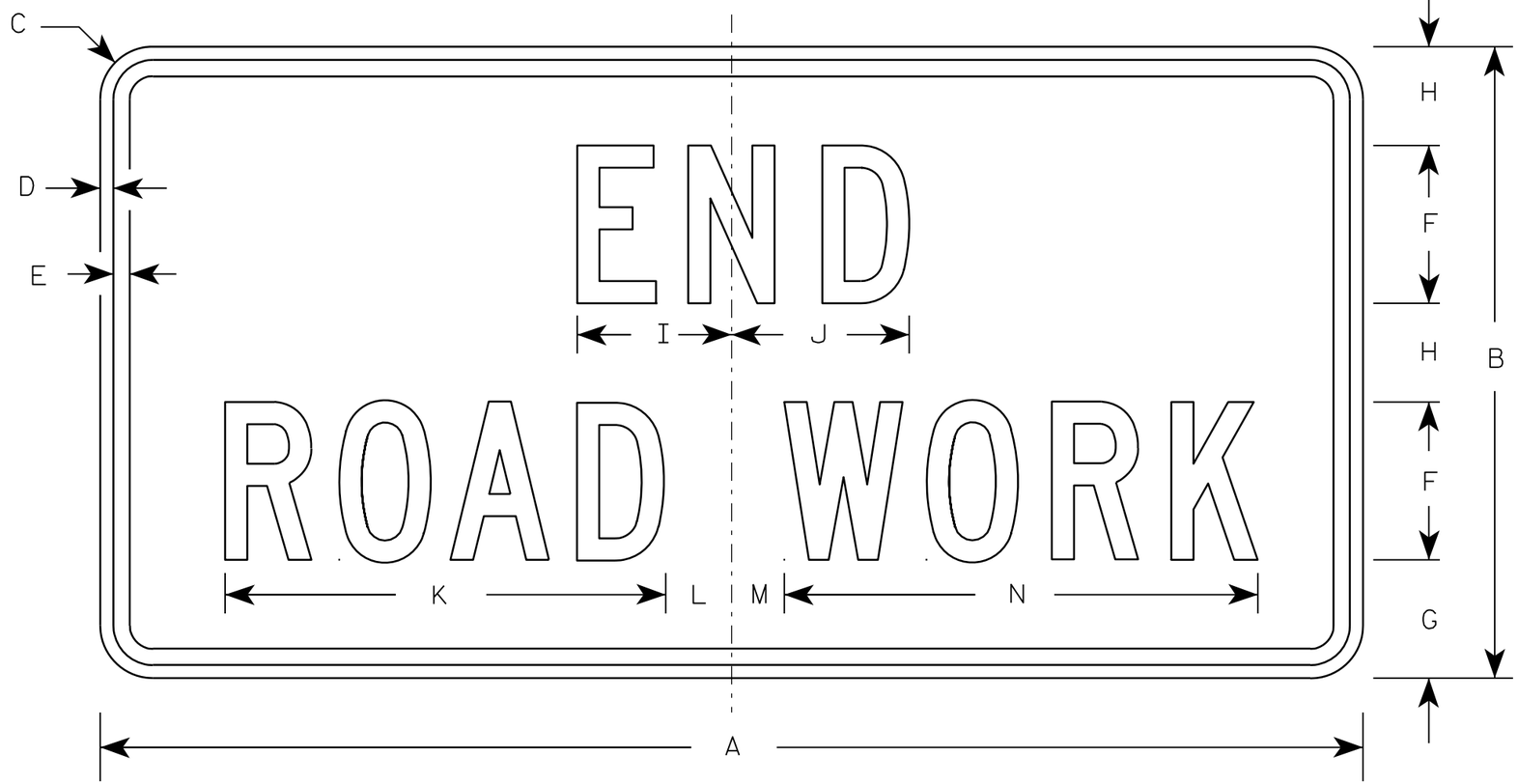
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 329 E



G20-2A

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 - 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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

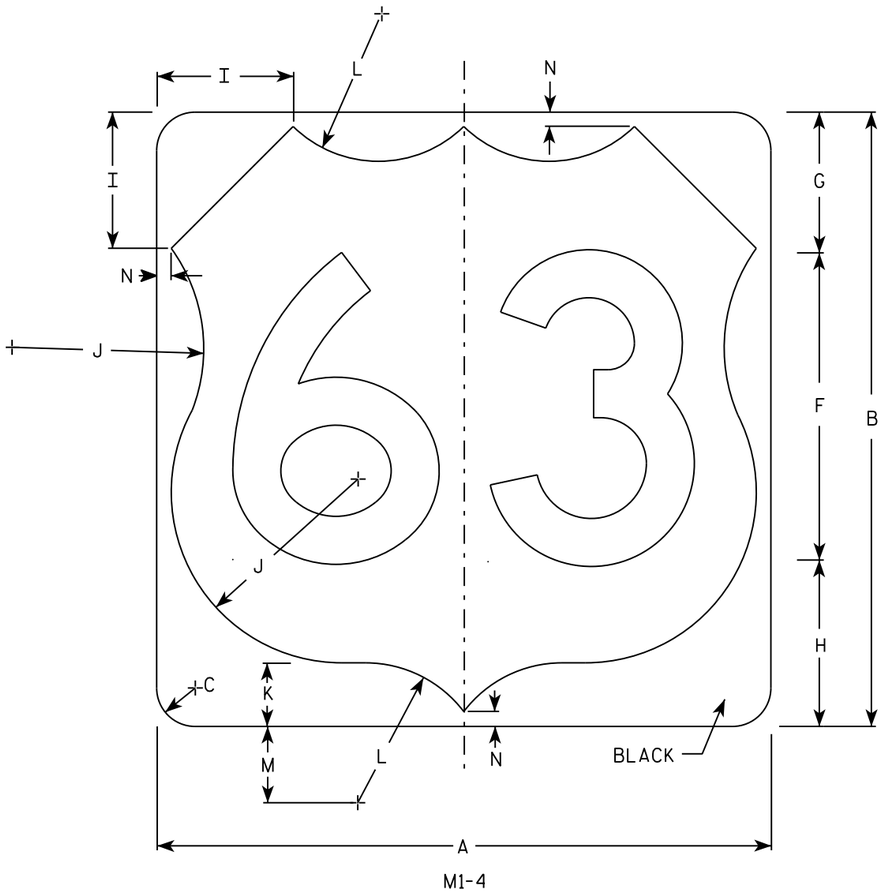
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

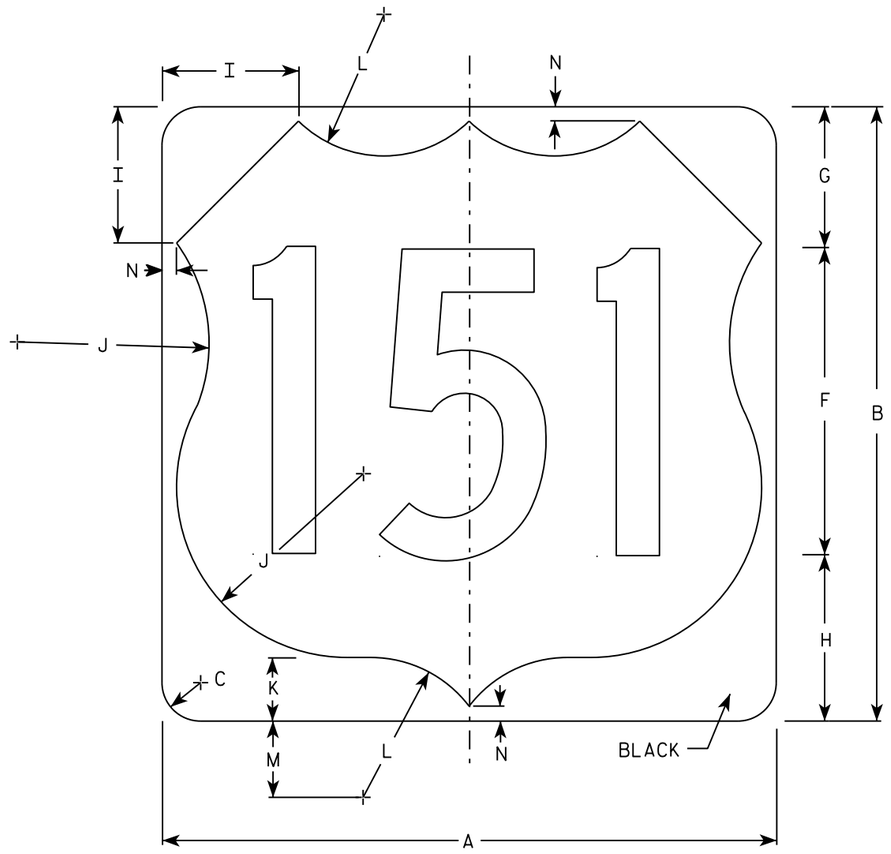
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 330	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
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.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

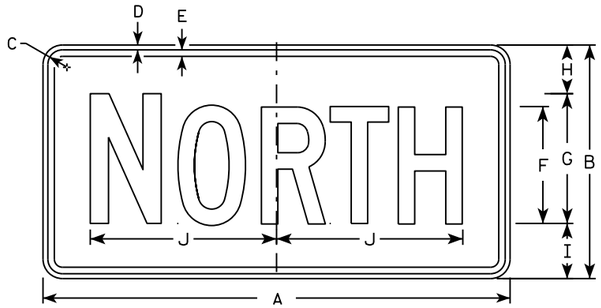
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

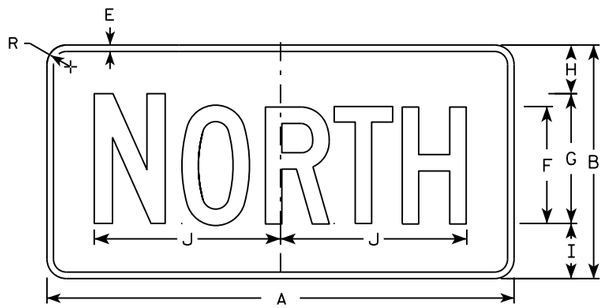
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 331	E



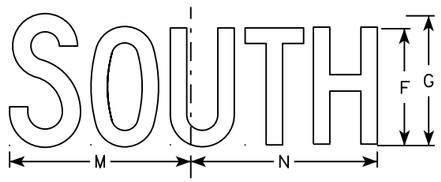
M3-1
MM3-1
MP3-1



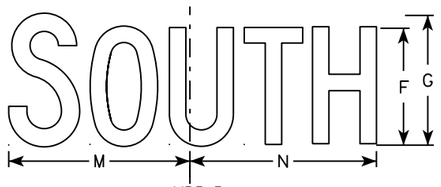
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

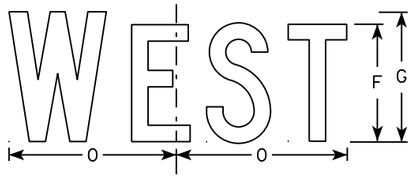
MB3-2
MK3-2
MN3-2



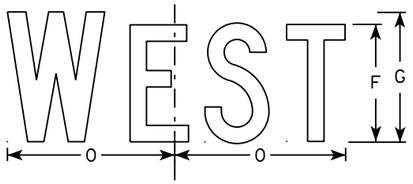
M3-3
MM3-3
MP3-3



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

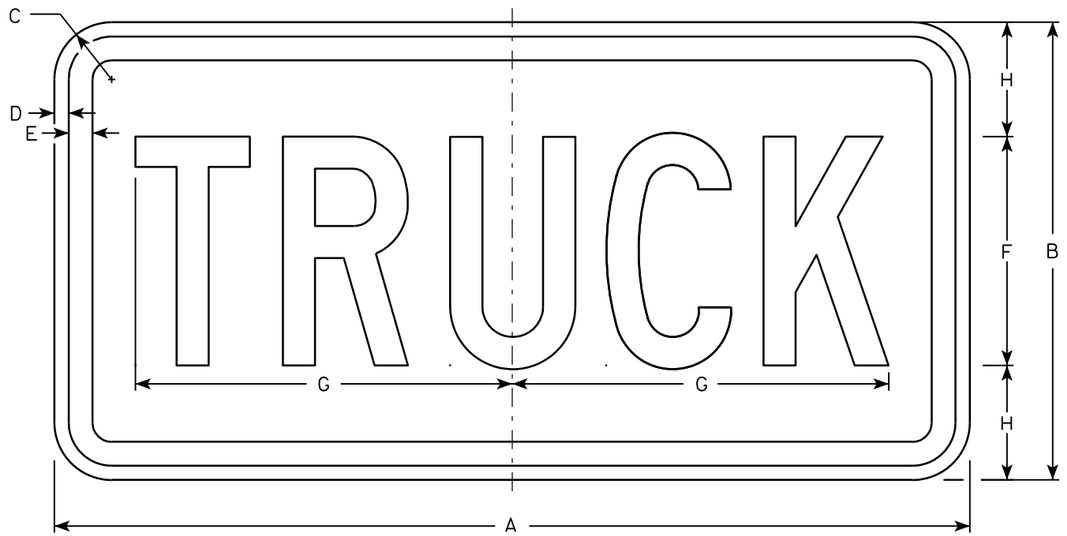
WISCONSIN DEPT OF TRANSPORTATION

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



M4-4

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   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. Permanent Signs
   Background - Type H Reflective
   Temporary or other 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	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4																											
5																											

STANDARD SIGN
M4-4

WISCONSIN DEPT OF TRANSPORTATION

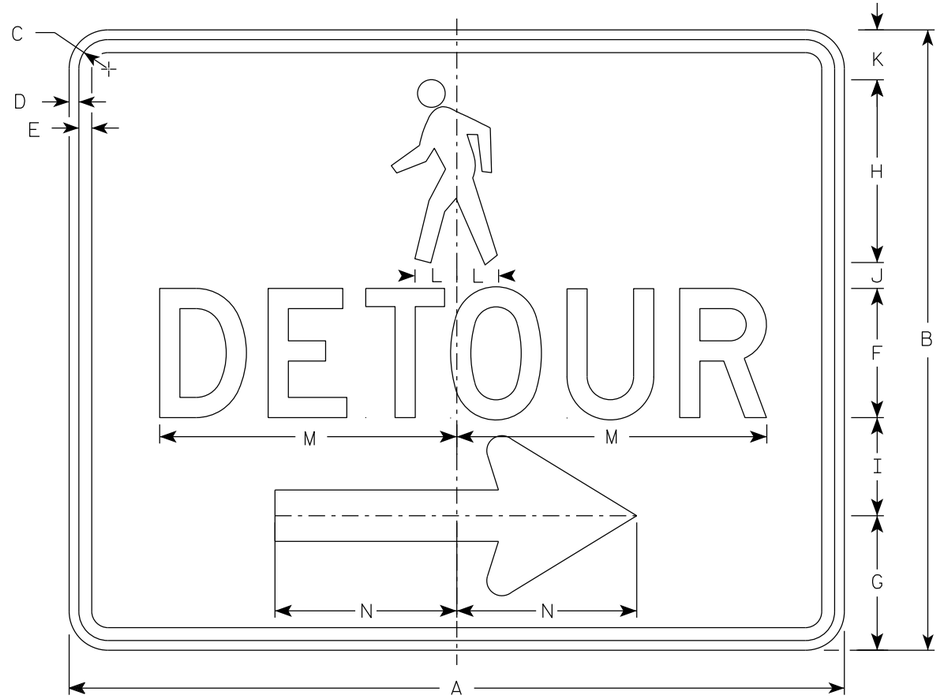
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-4.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 333	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\M44.DGN PLOT DATE : 10-NOV-2010 12:29 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 3.972696:1.000000

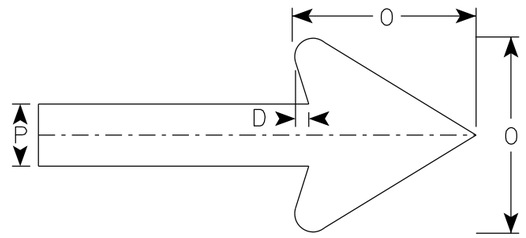
7



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

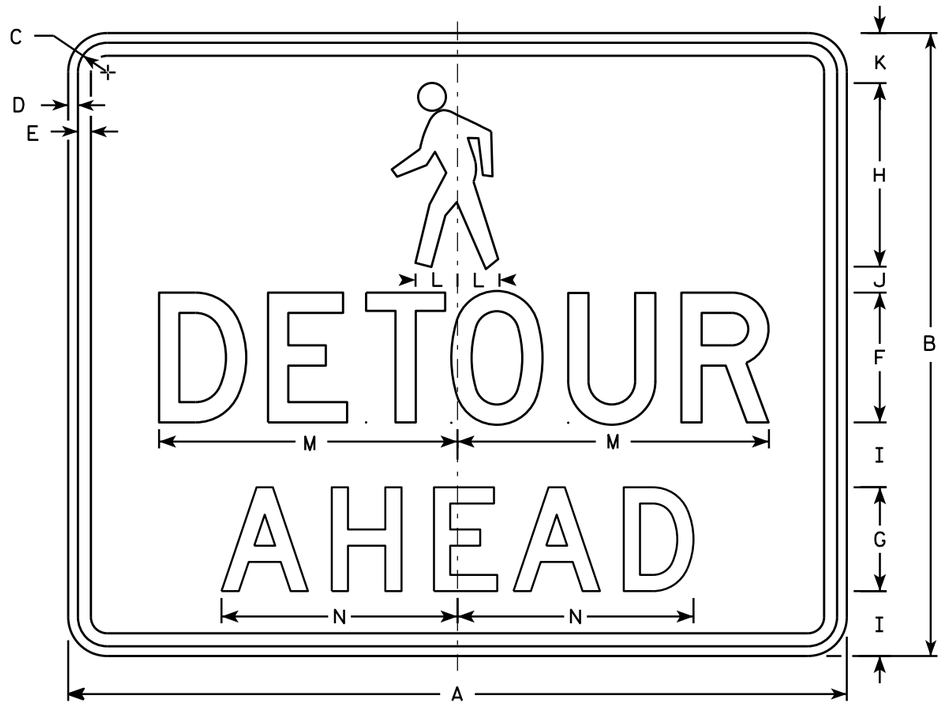
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 334 | E



M4-9BA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9BA

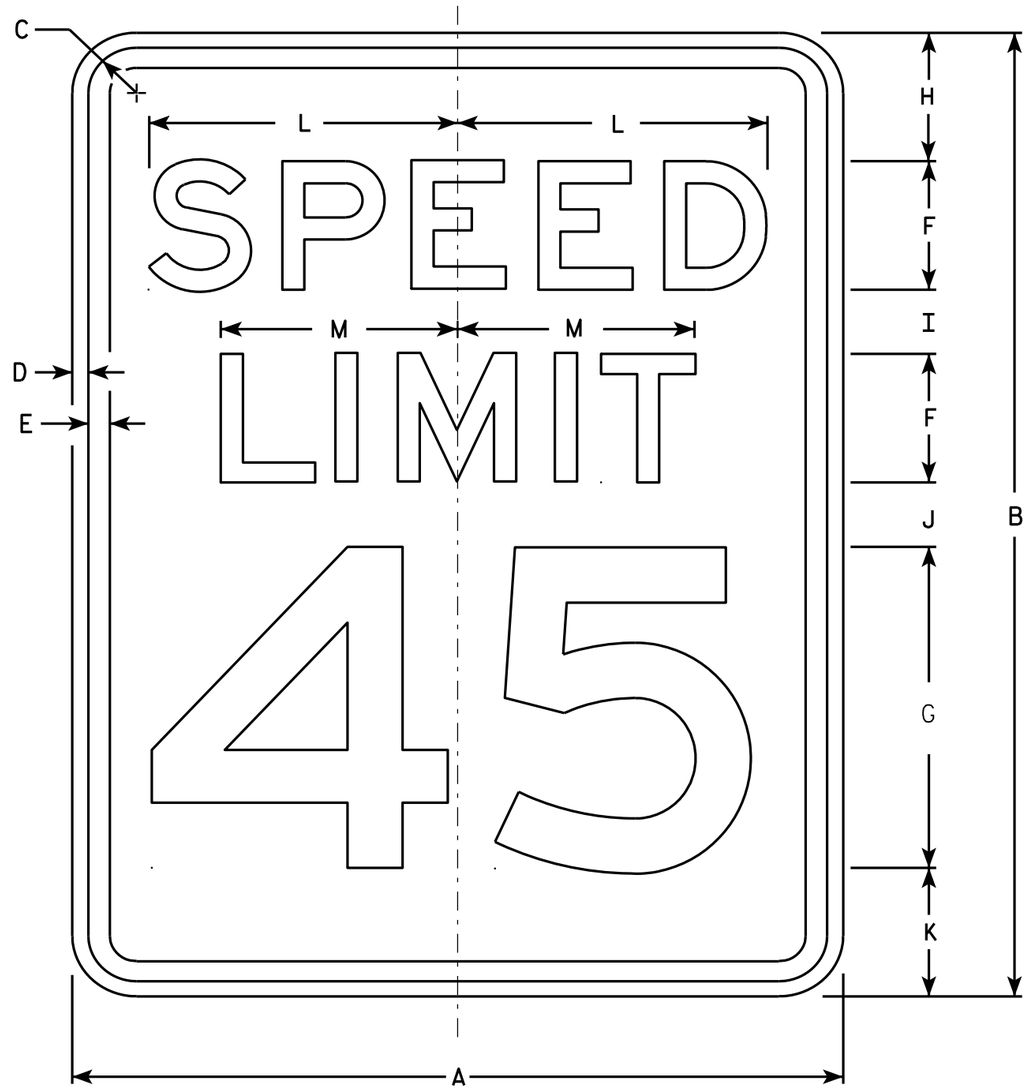
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/16 PLATE NO. M4-9BA.1

PROJECT NO: | HWY: | COUNTY: | | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M49BA.dgn PLOT DATE : 24-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

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 - 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.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

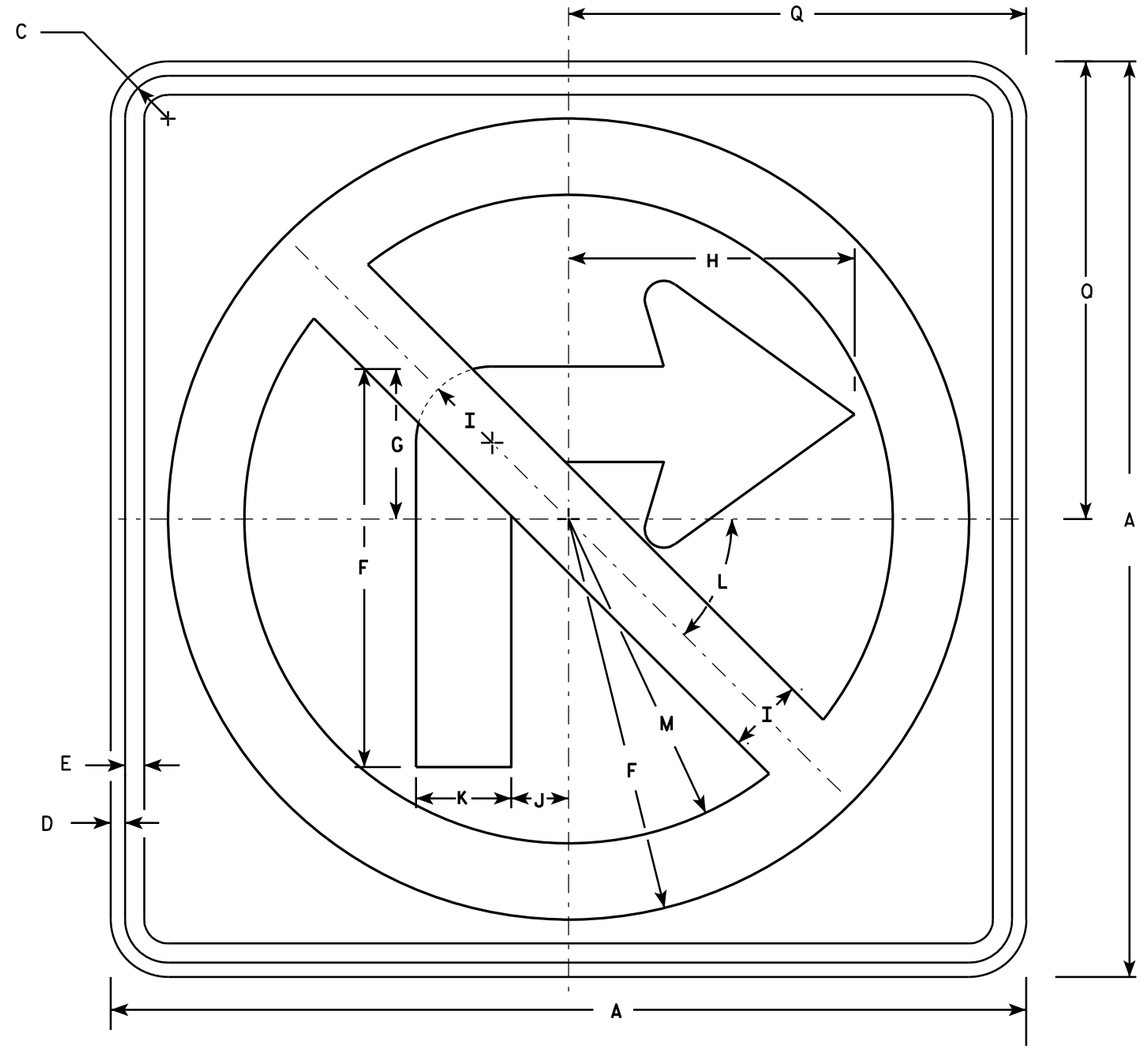
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

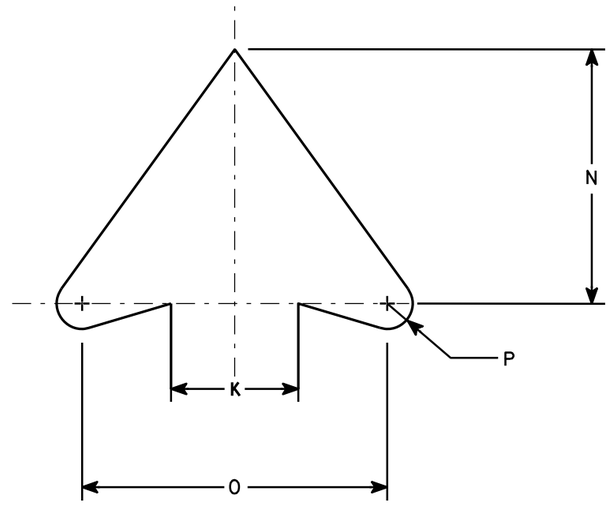
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E



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

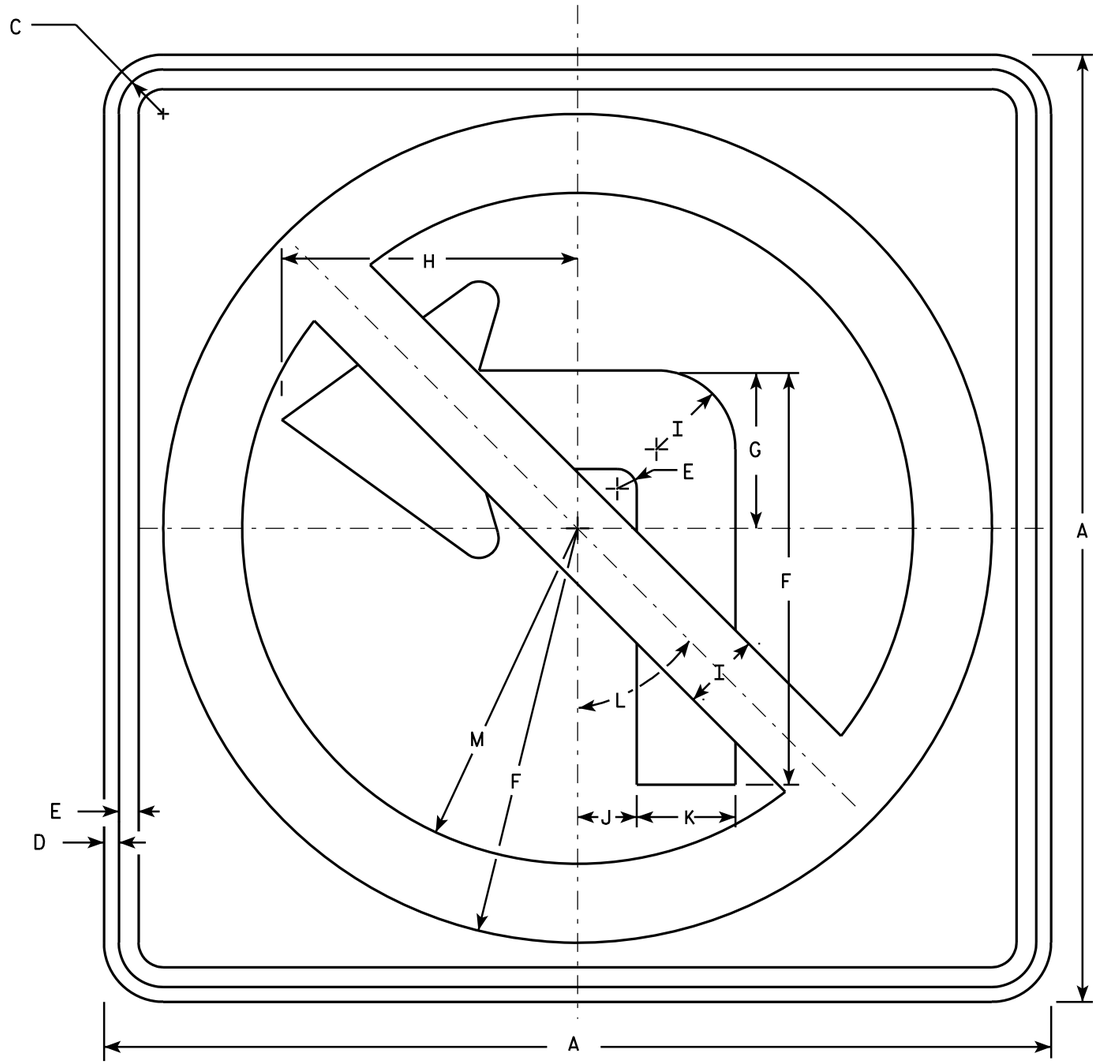
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

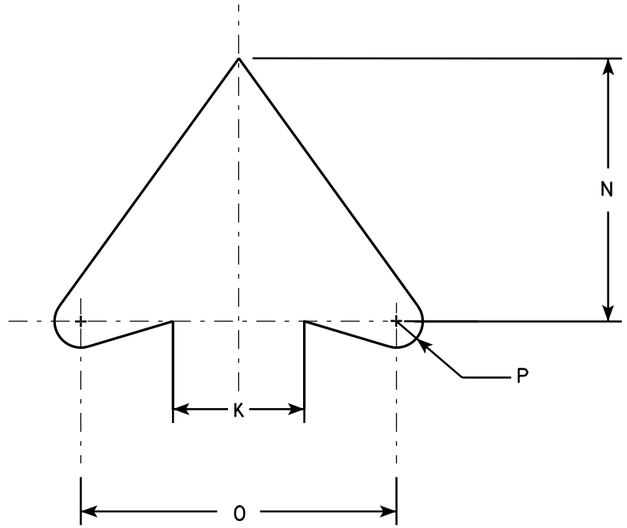
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 337	E



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

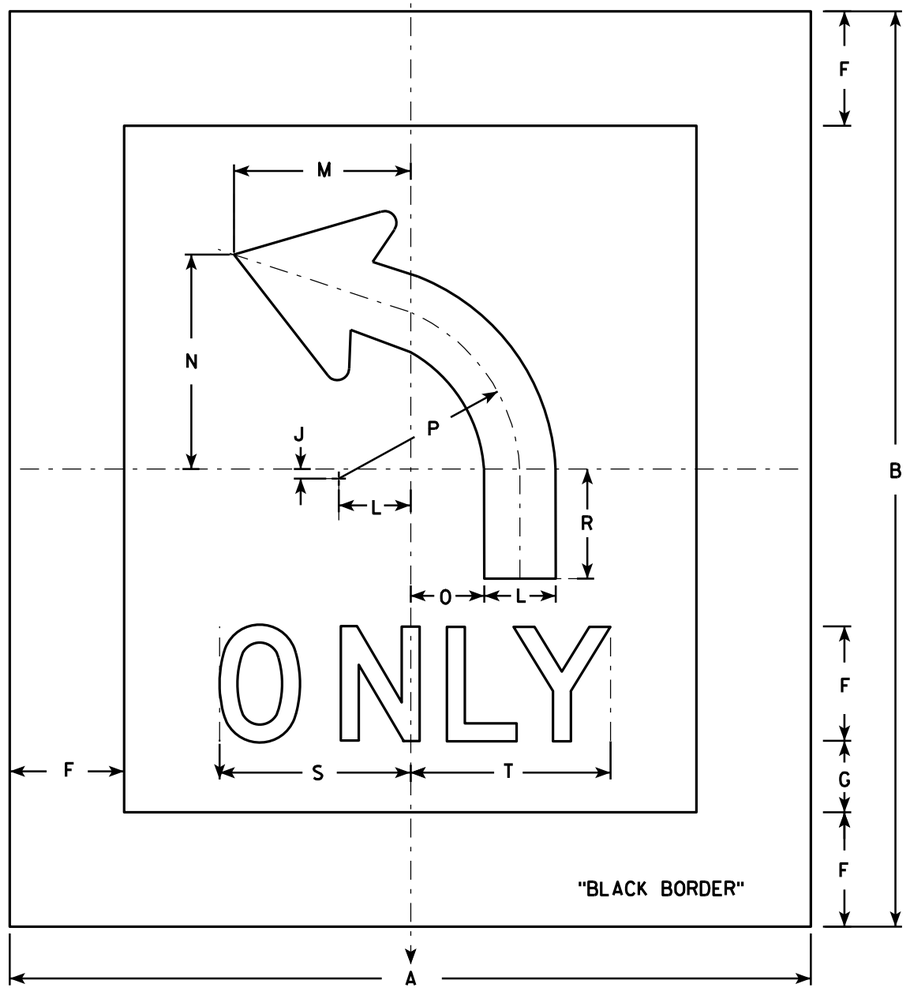
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

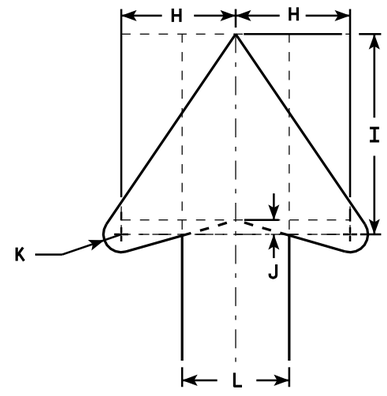
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E



R3-5L

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 - D
4. Corners may be square or rounded when base material is plywood. When base material is metal, the corners shall be rounded.
5. R3-5R is the same as R3-5L except curved portion of arrow points right.
6. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
2M	42	48				6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							1.26
3																											
4																											
5																											

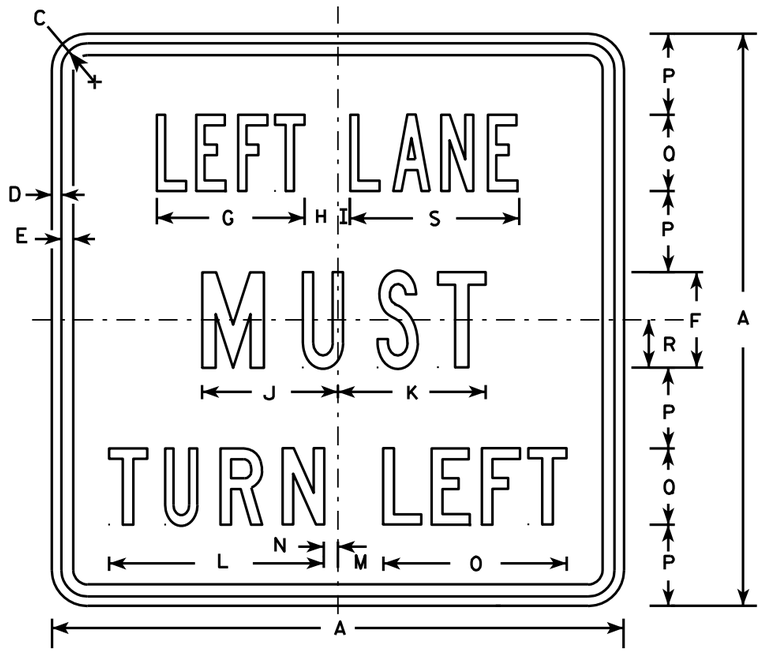
STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

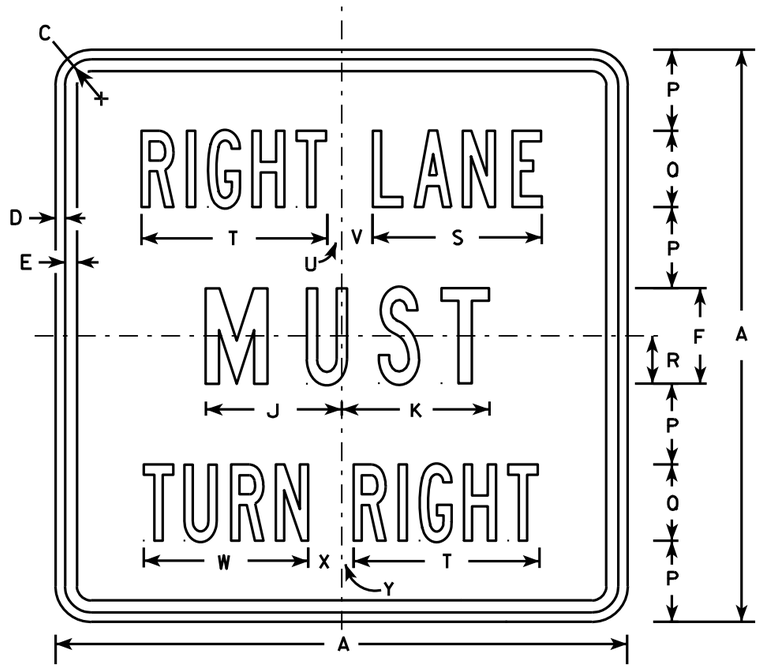
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/24/11 PLATE NO. R3-5.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

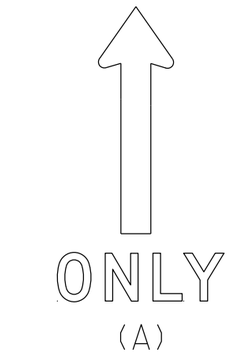
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

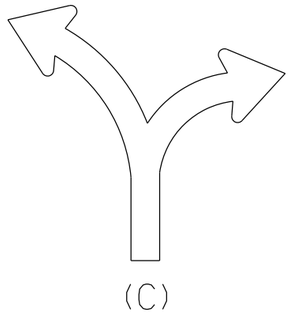
DATE 3/18/2011 PLATE NO. R3-7.3

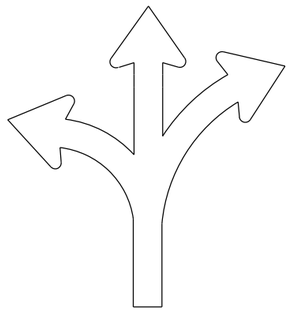
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E

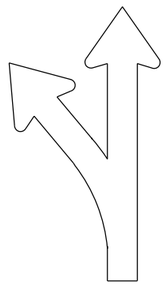


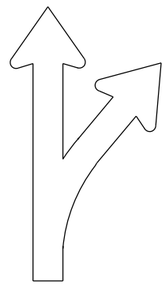
(A)

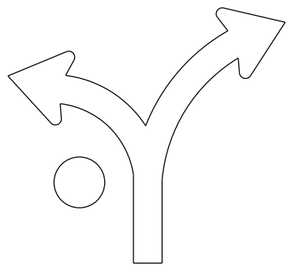
(B)

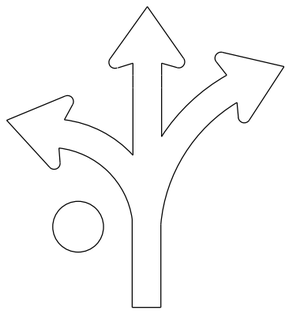

(C)

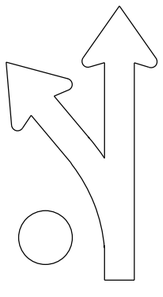

(D)

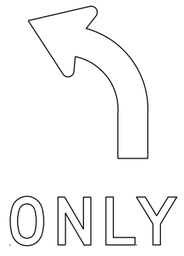

(E)


(F)

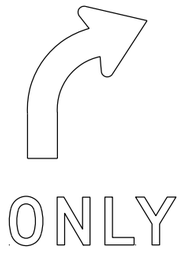

(G)


(H)

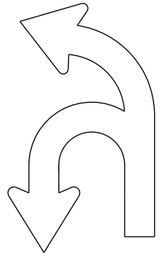

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

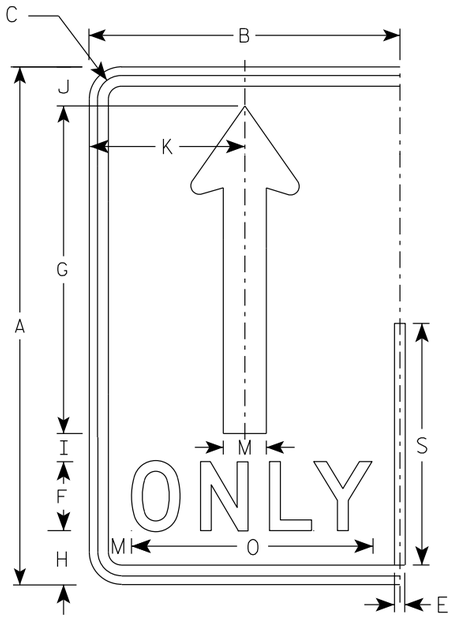
PROJECT NO:

SHEET NO: 341 E

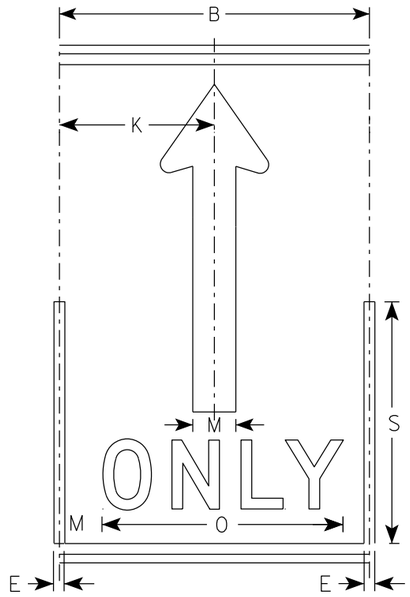
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :
WISDOT/CADDS SHEET 42

NOTES

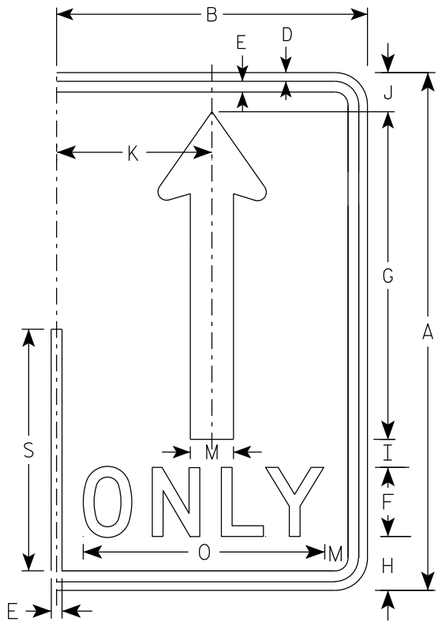
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



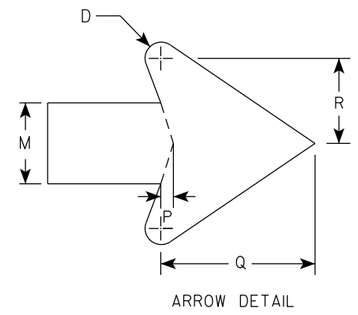
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

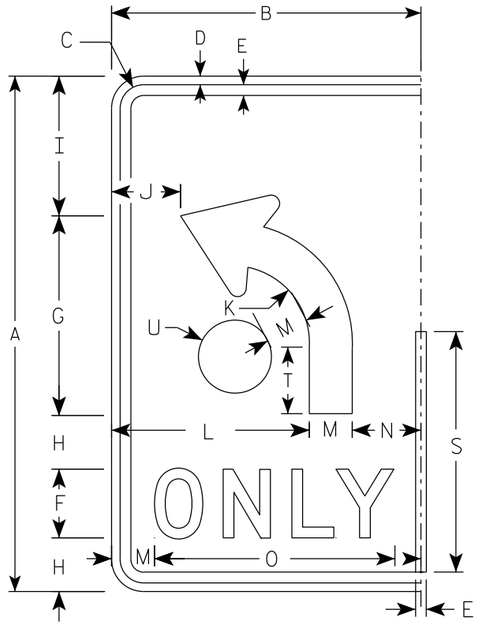
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

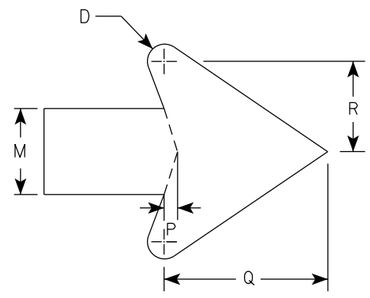
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 342 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

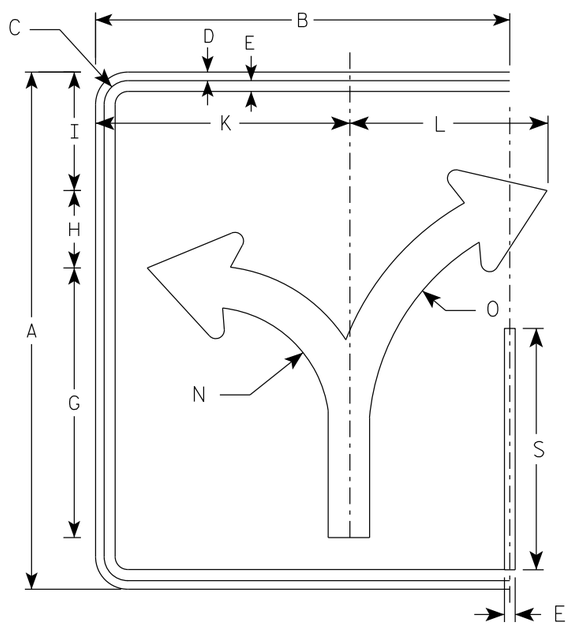
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

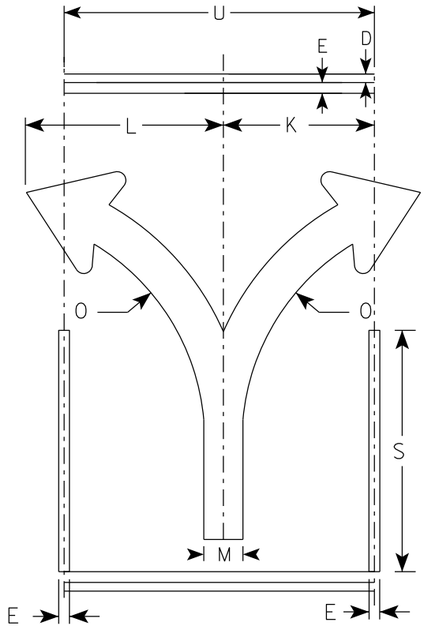
SHEET NO: 343 E

NOTES

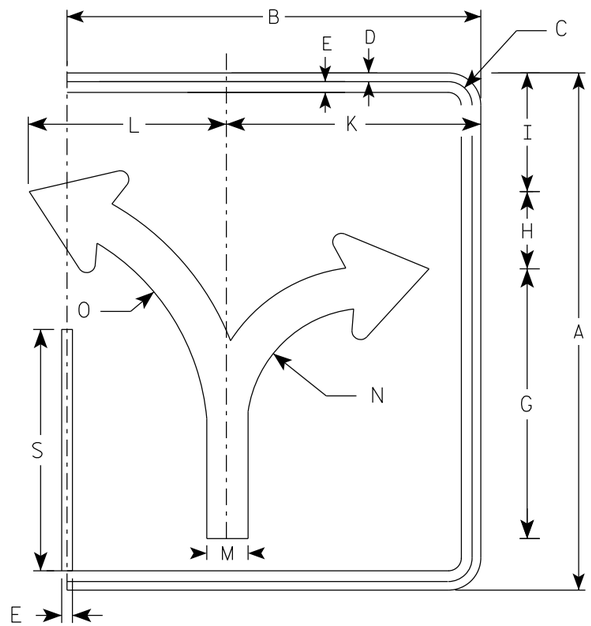
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



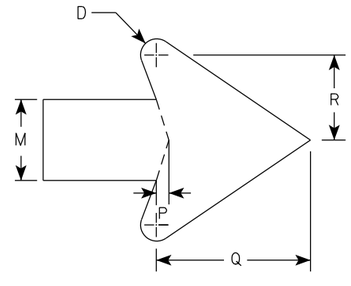
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

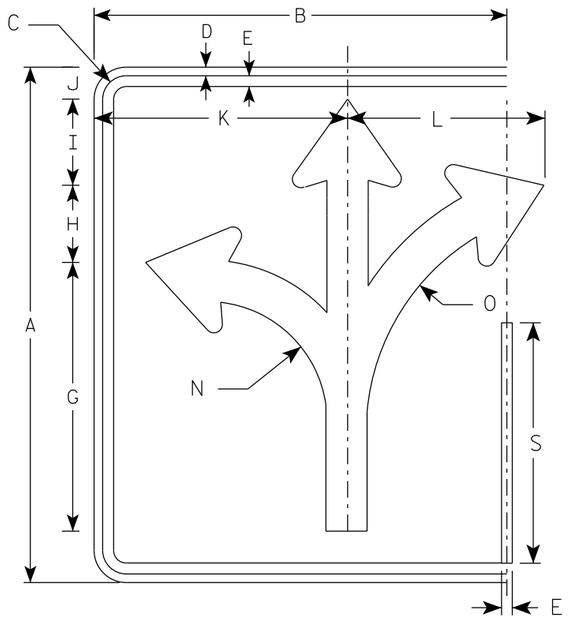
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

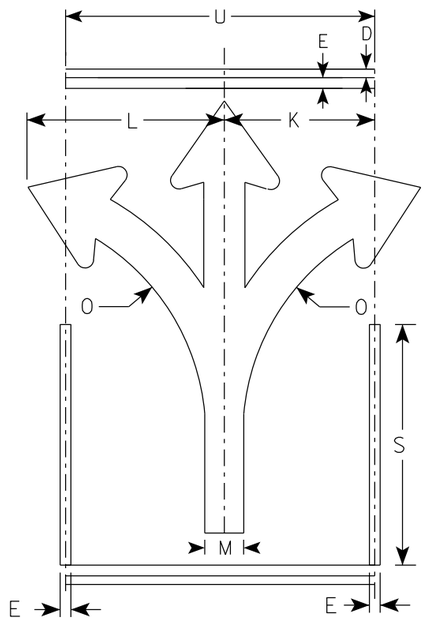
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 344 | E

NOTES

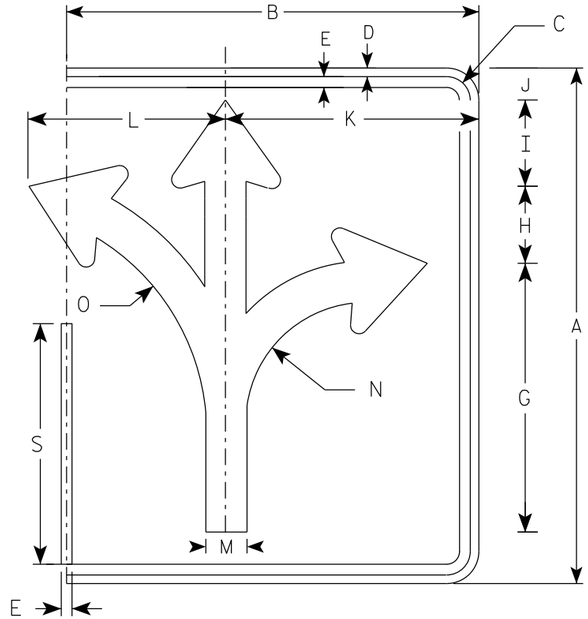
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



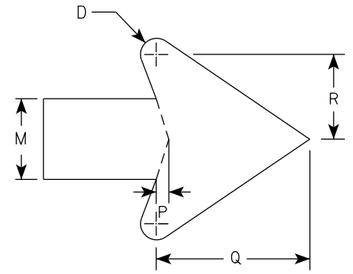
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

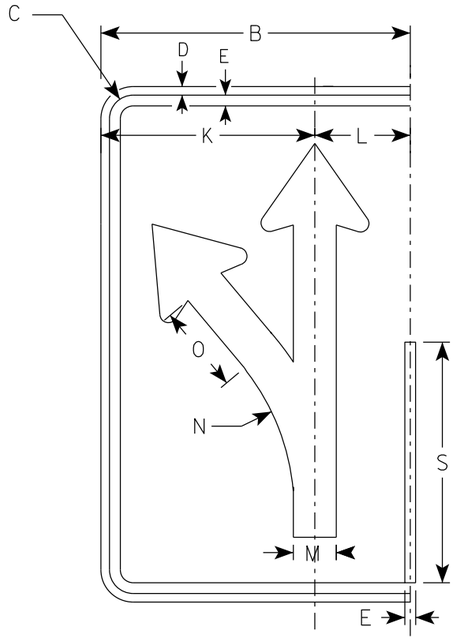
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E

7

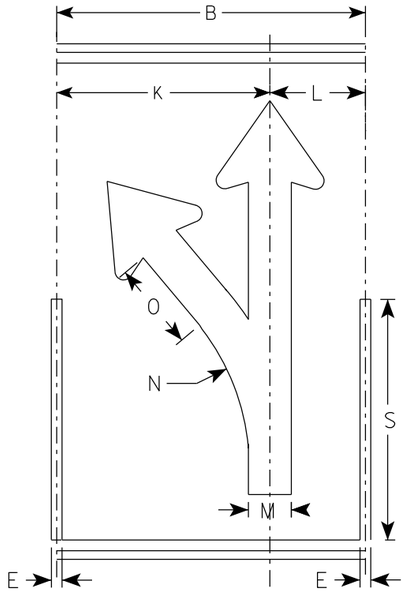
7

NOTES

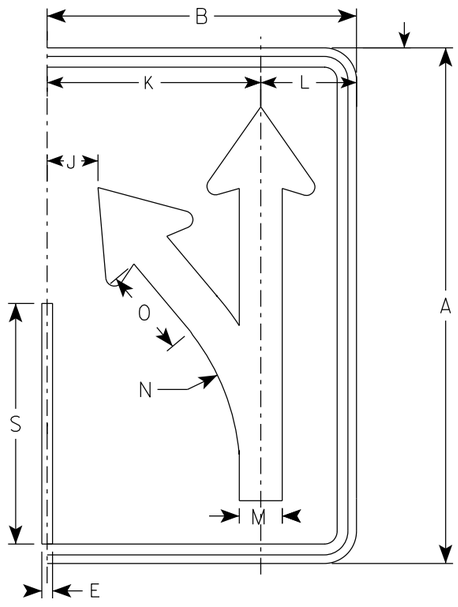
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



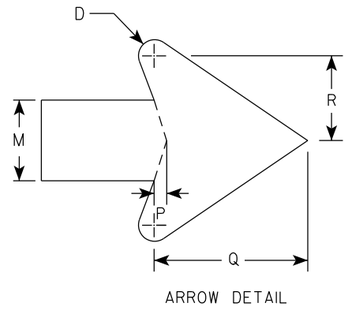
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

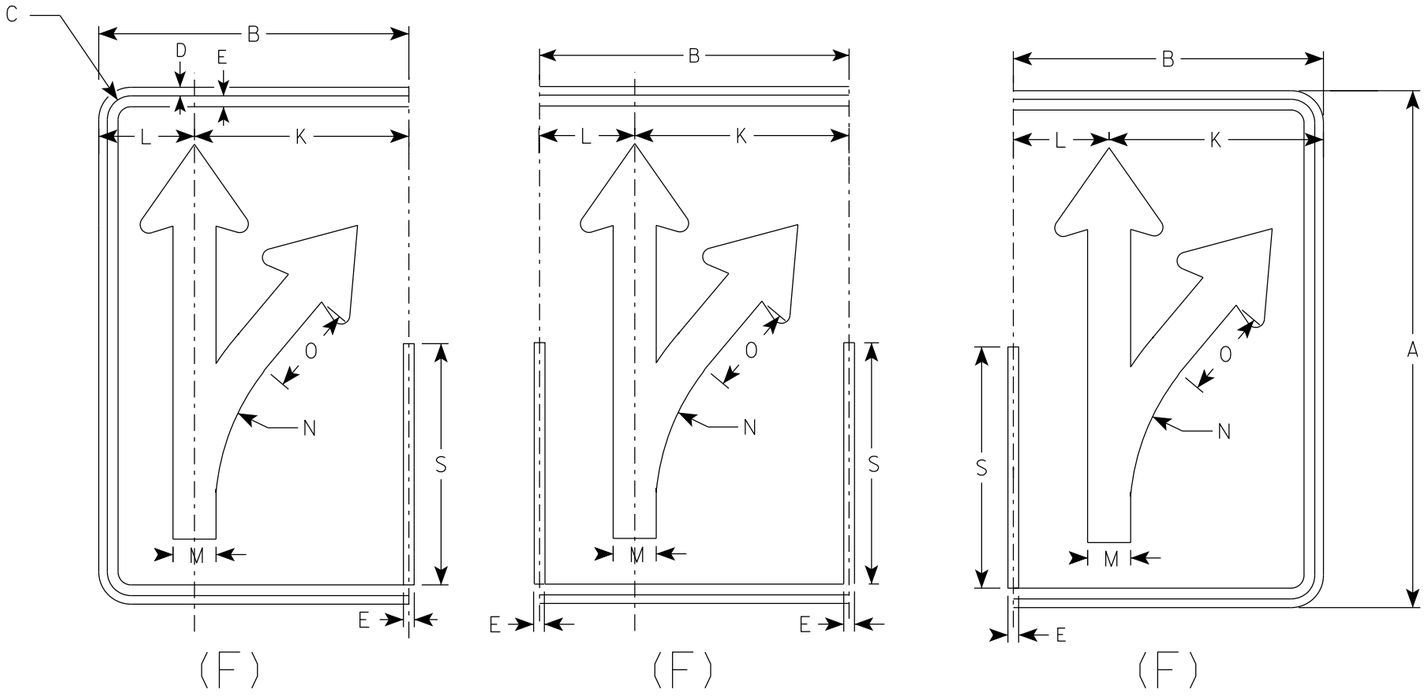
APPROVED Matthew R Rauch
For State Traffic Engineer

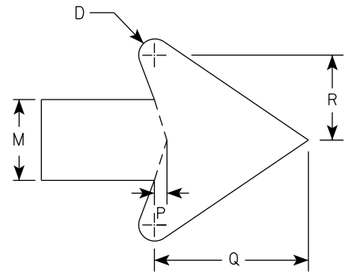
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 346 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

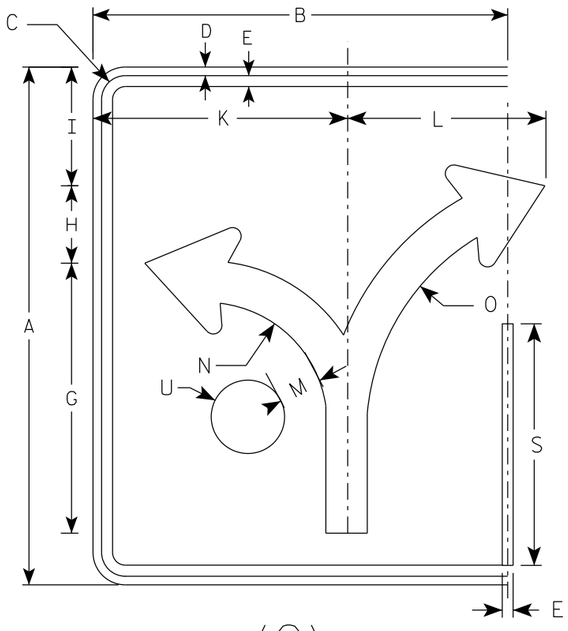
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

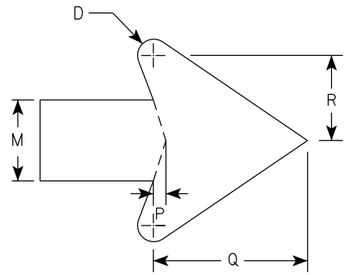
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 347 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

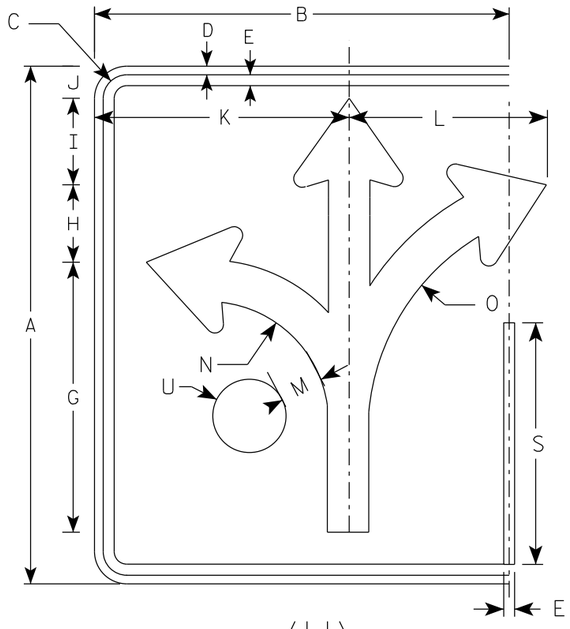
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

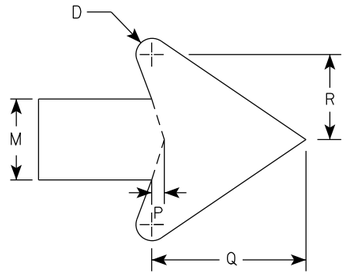
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

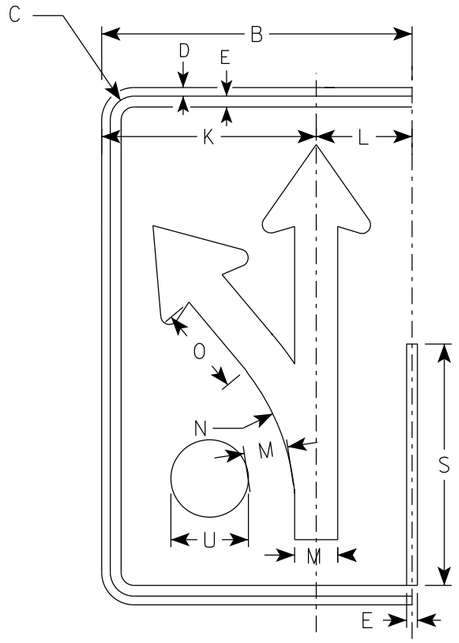
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

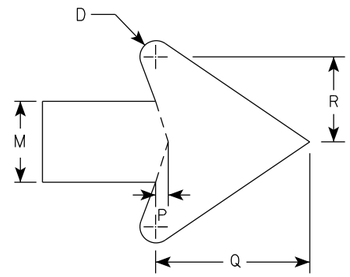
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

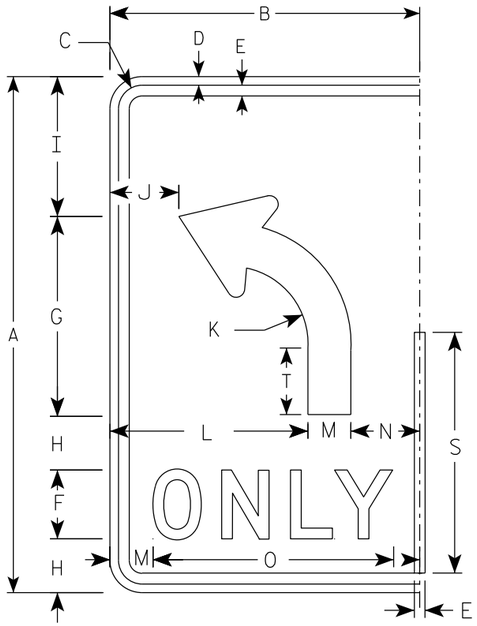
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

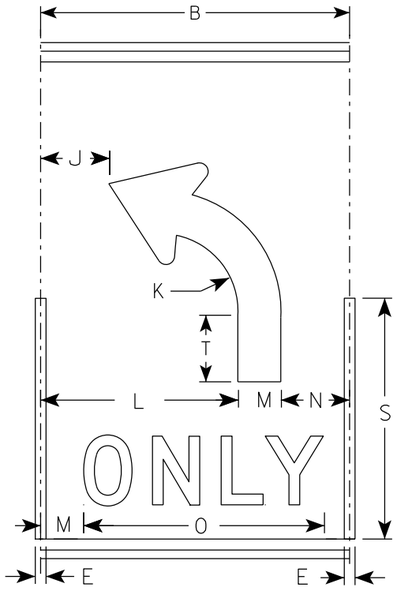
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 350 | E

NOTES

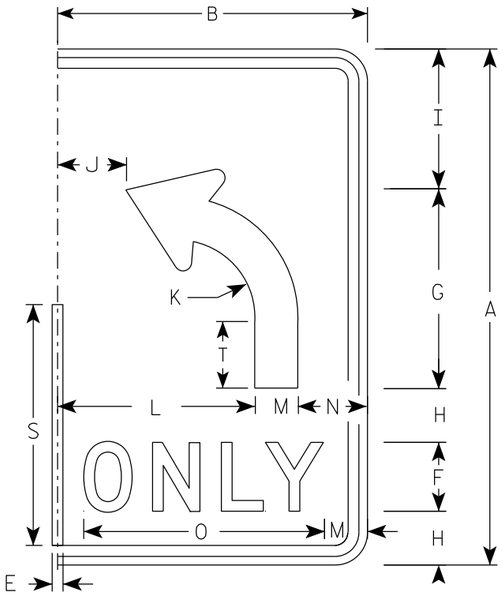
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



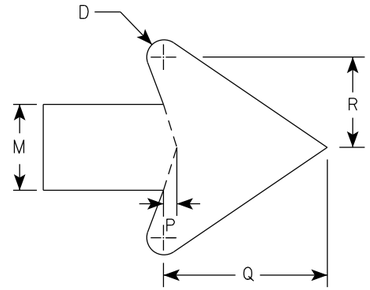
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

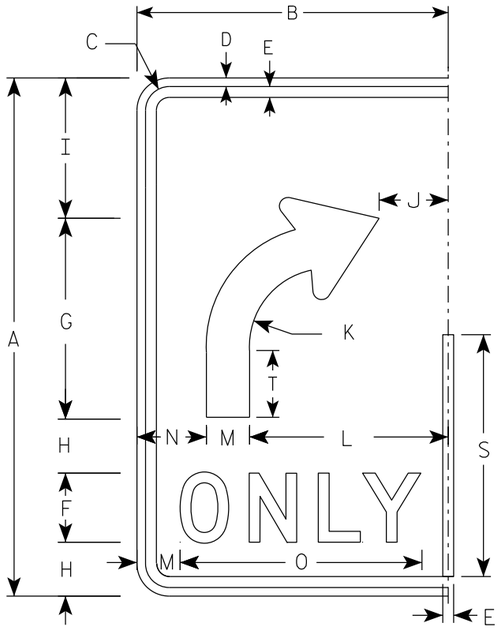
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

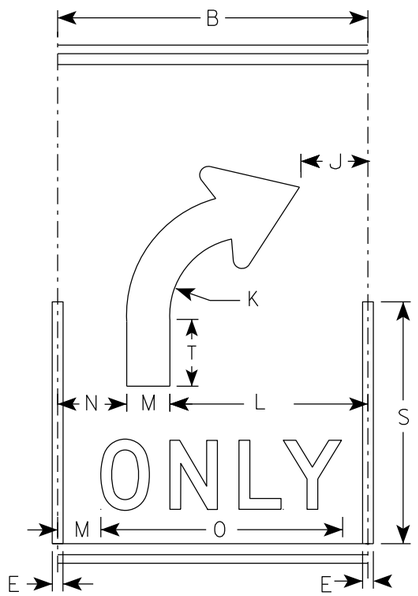
SHEET NO: 351 E

NOTES

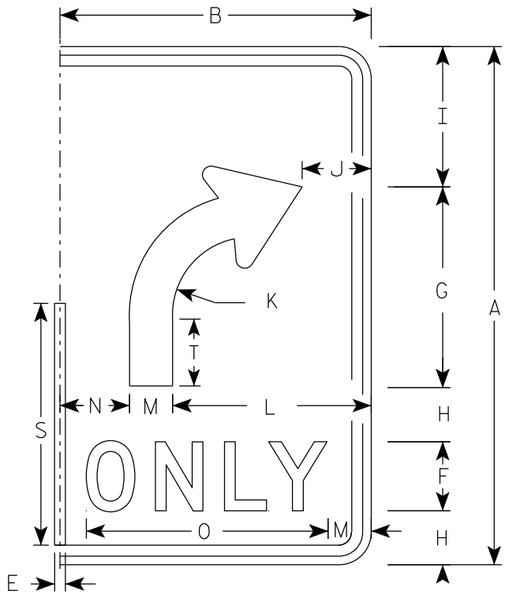
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



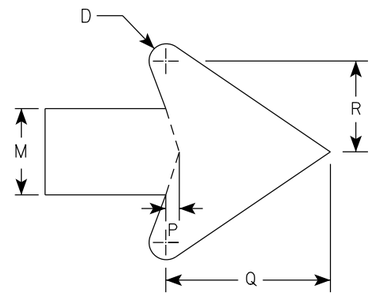
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

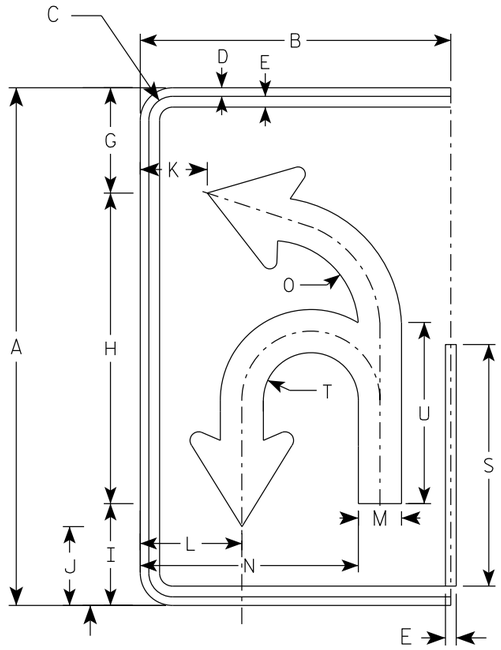
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

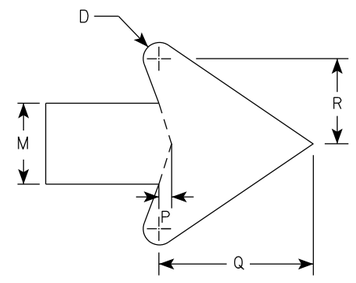
SHEET NO: 352 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

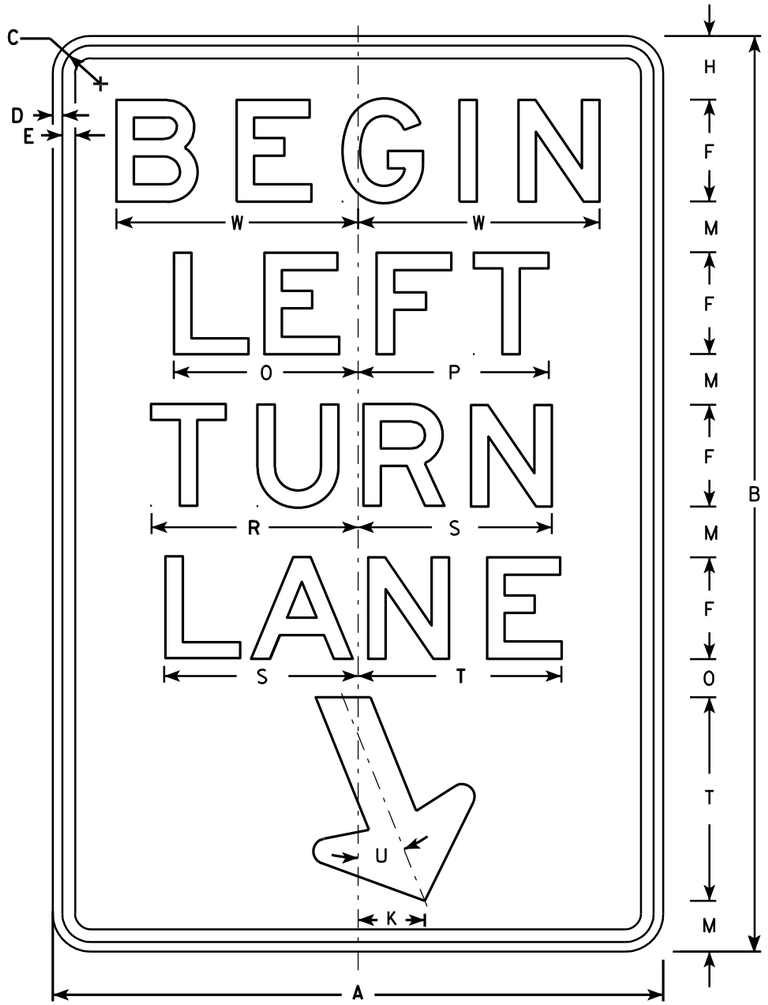
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

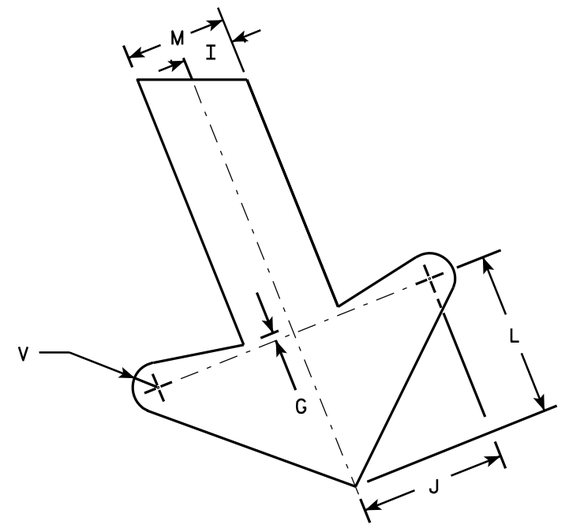
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 353 | E



R3-20L

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	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 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	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

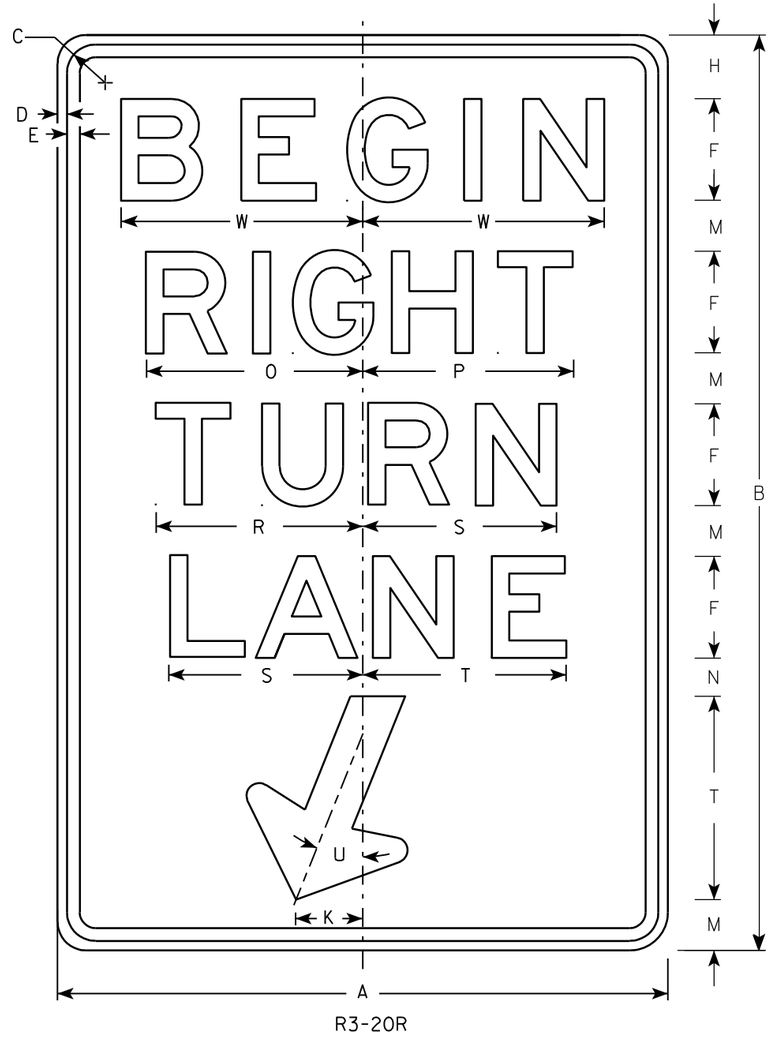
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

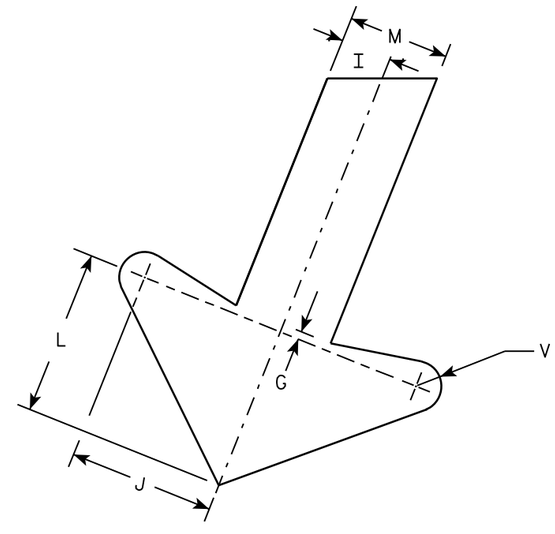
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 354 | E



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																											

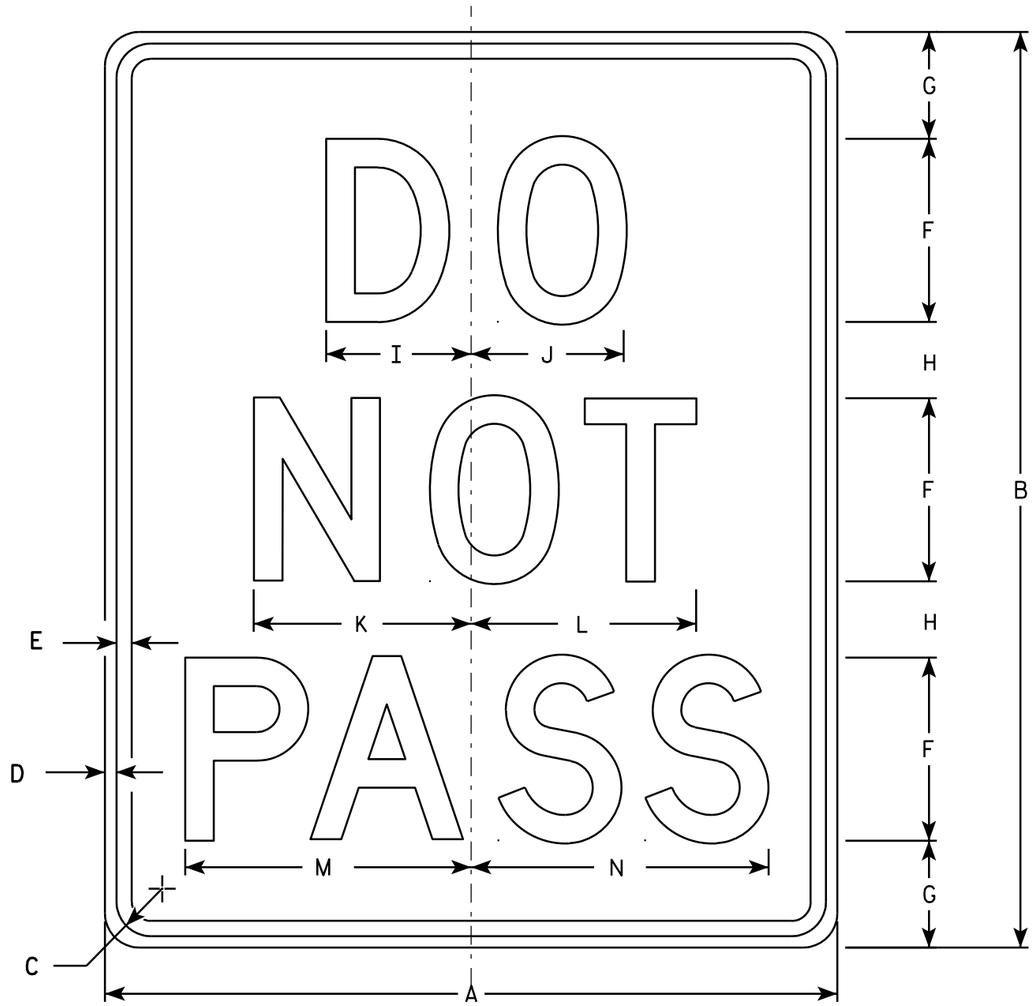
STANDARD SIGN
R3-20R

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: 355 | E



R4-1

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 - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

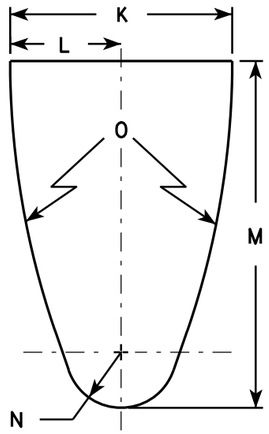
STANDARD SIGN
R4-1

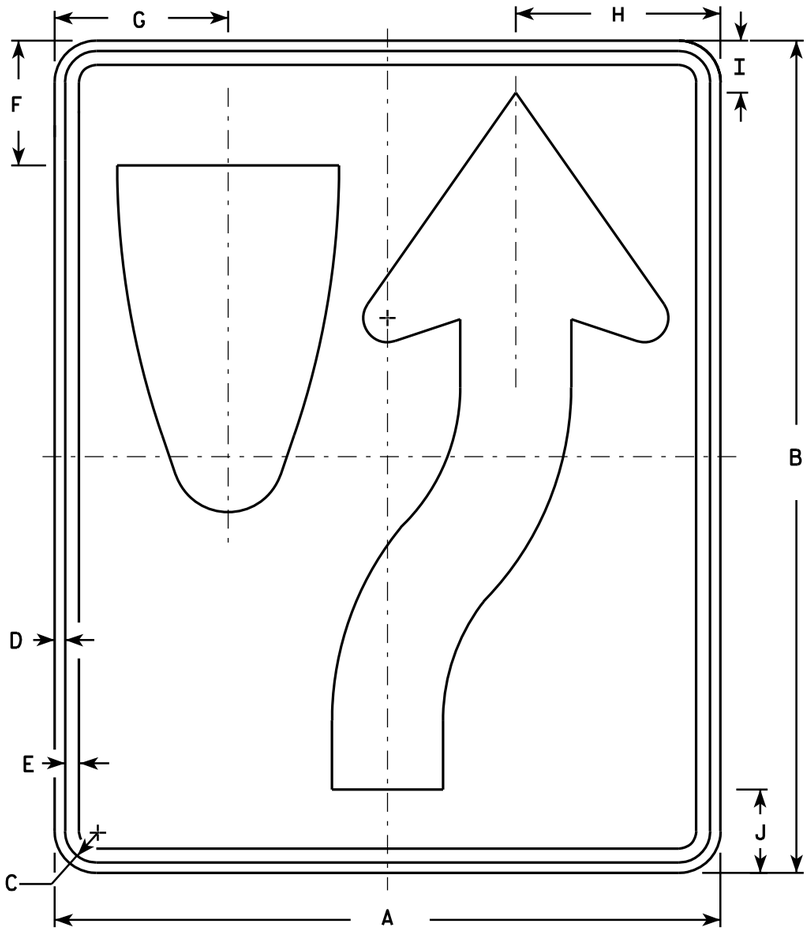
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 356 | E

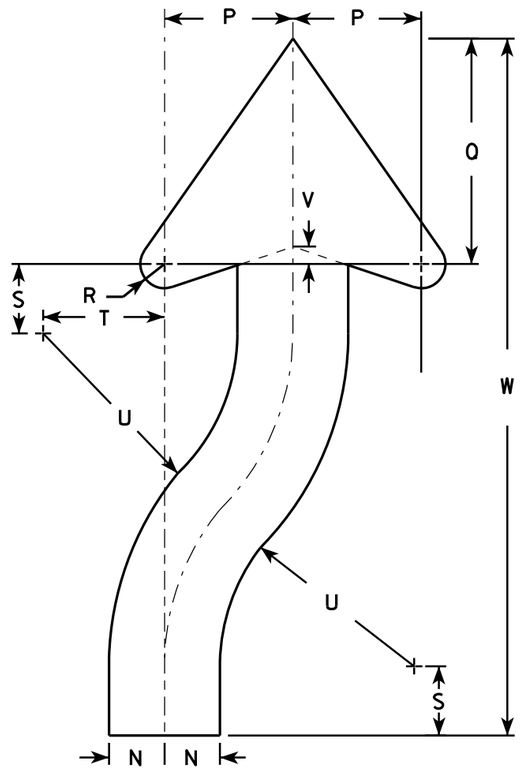




R4-7

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

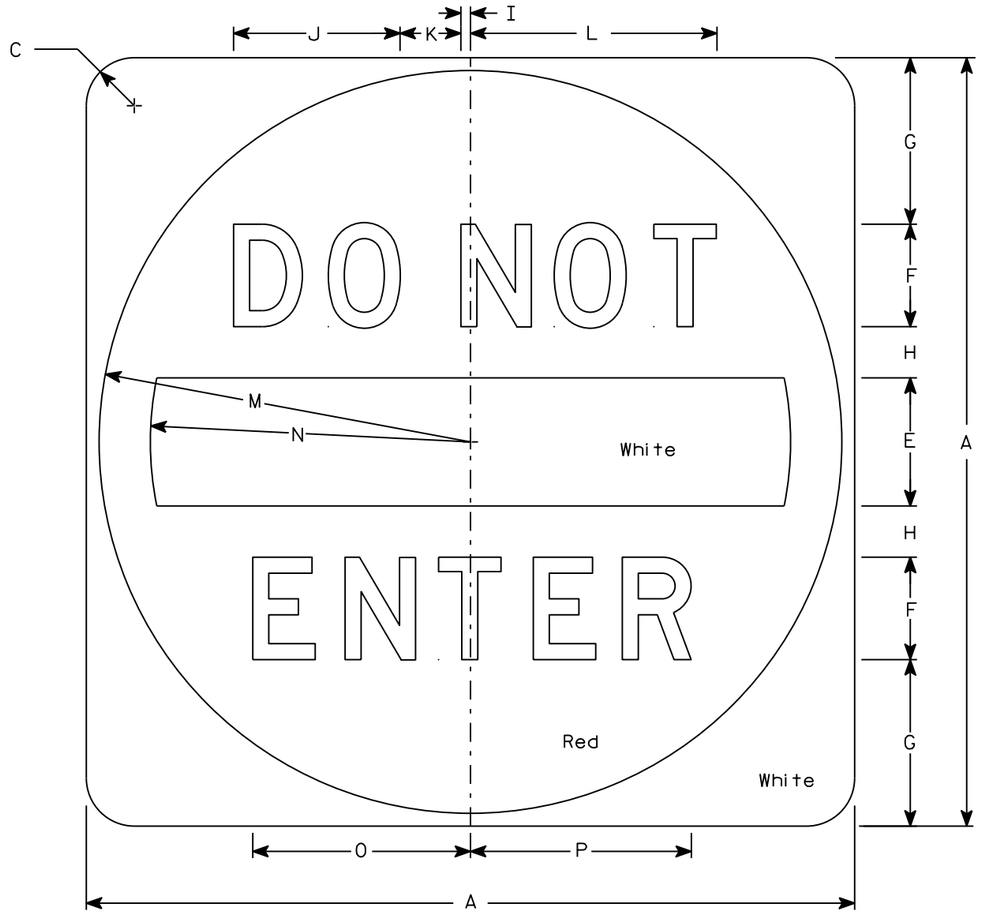
STANDARD SIGN
R4-7 & R4-8

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: 357	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

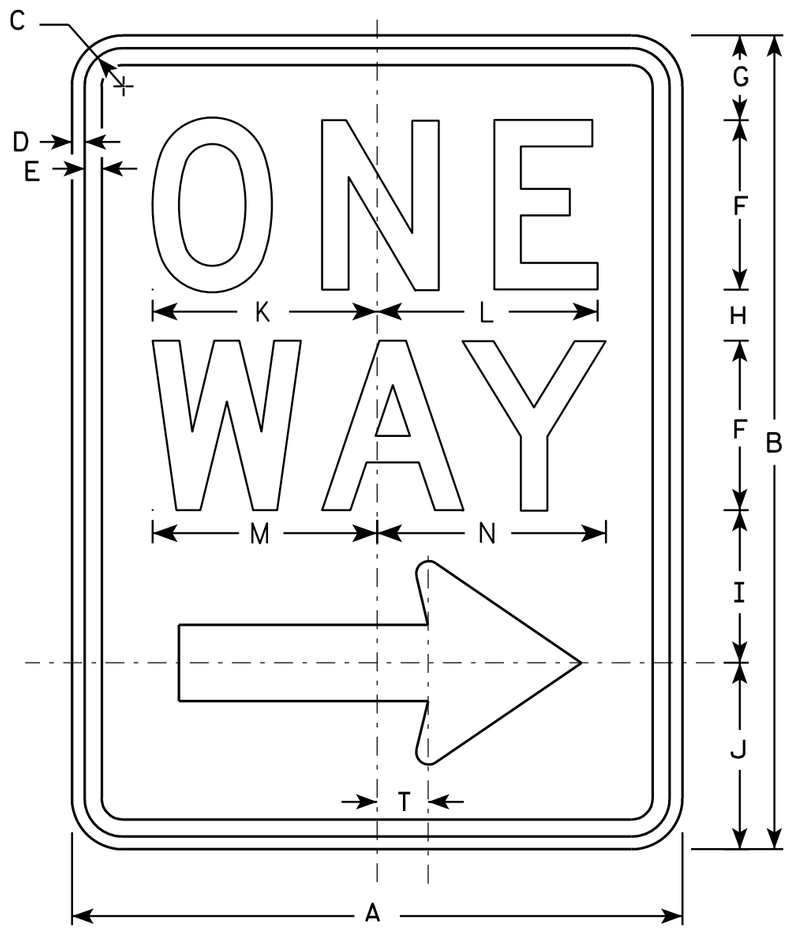
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

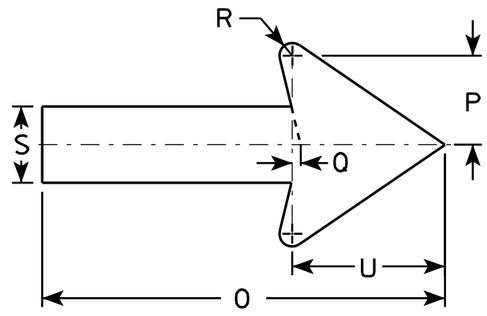
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 | E



R6-2R

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 - 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. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

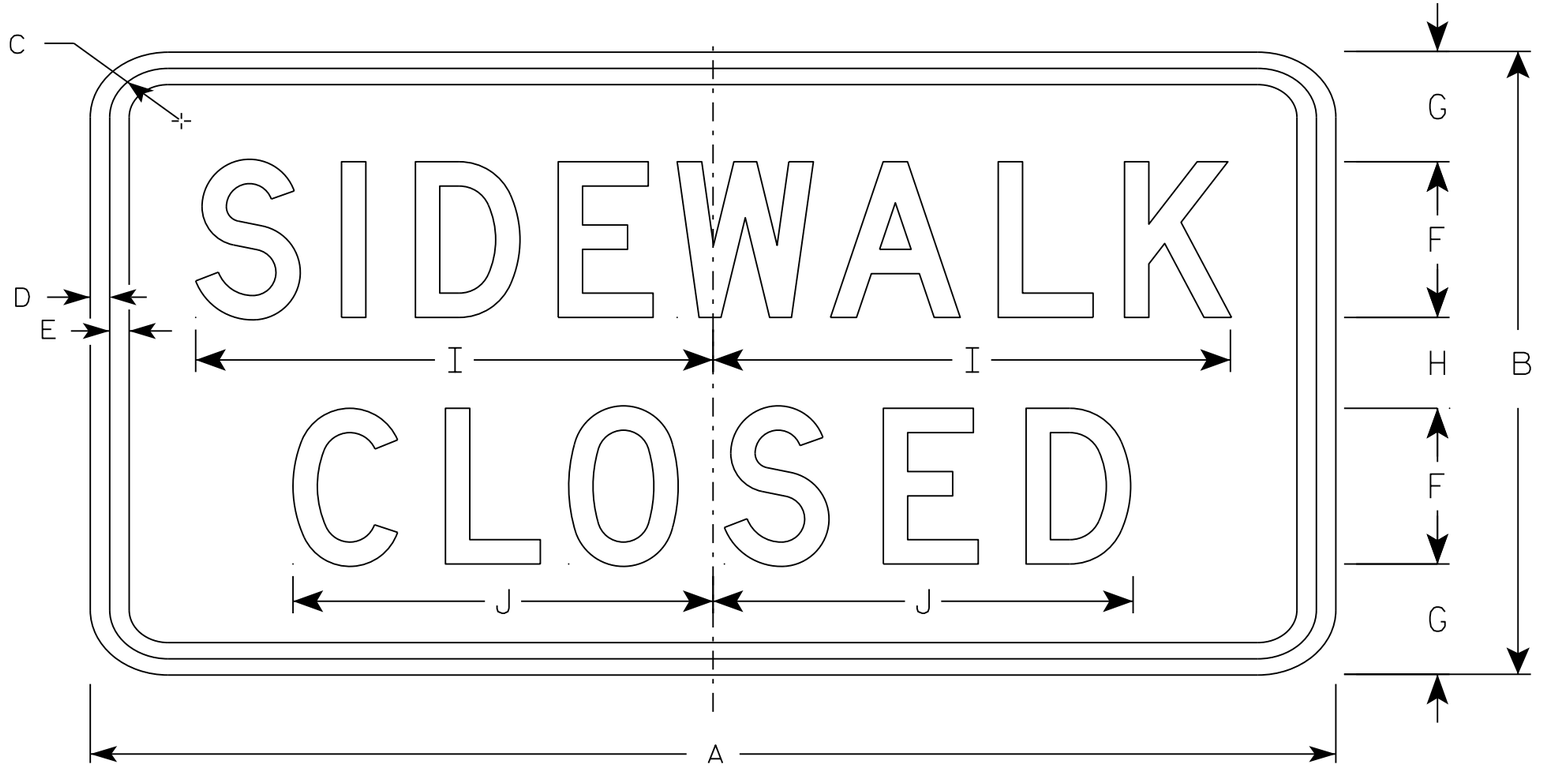
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 359 | E



R9-9

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.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

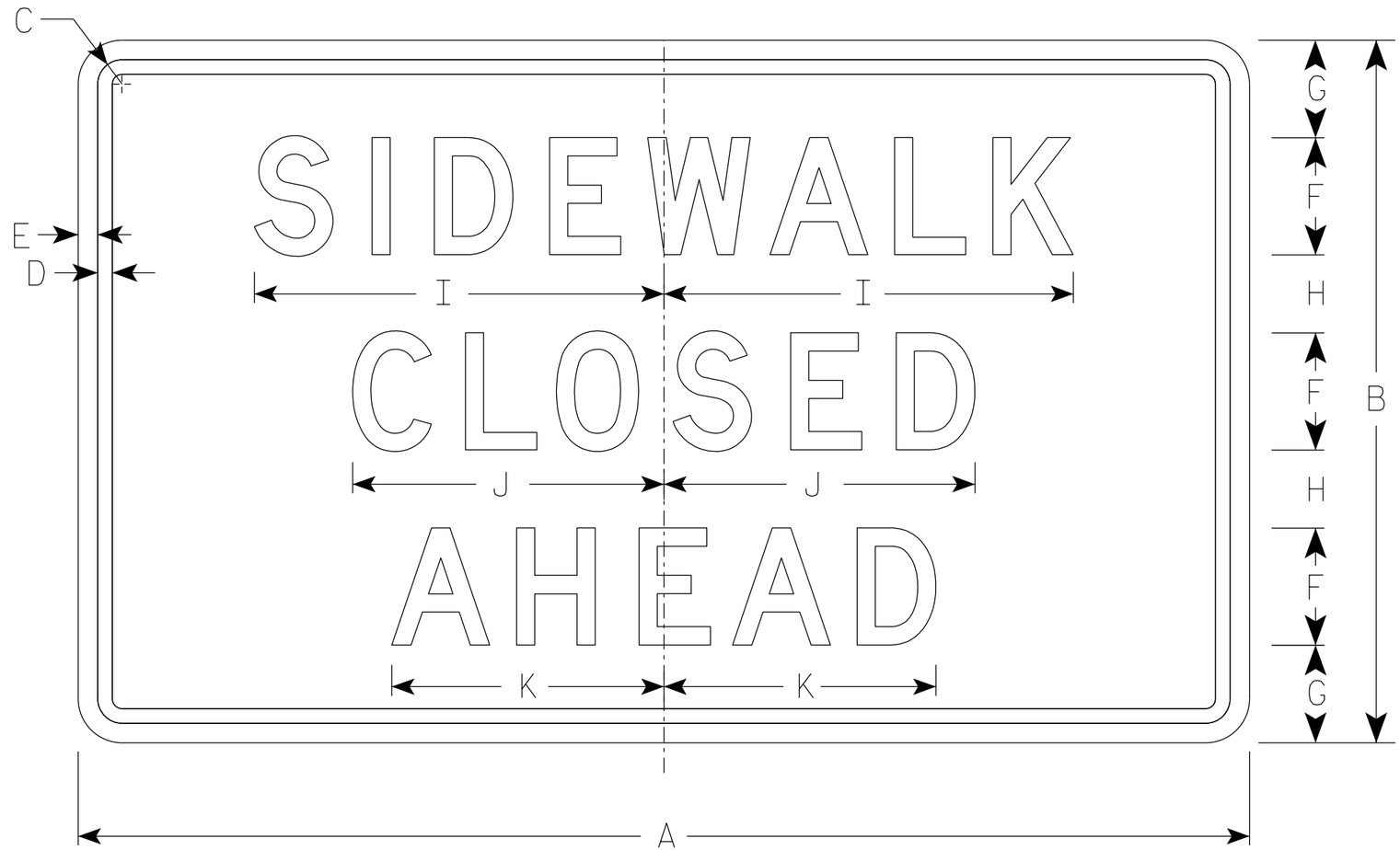
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 360 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-9A

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.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

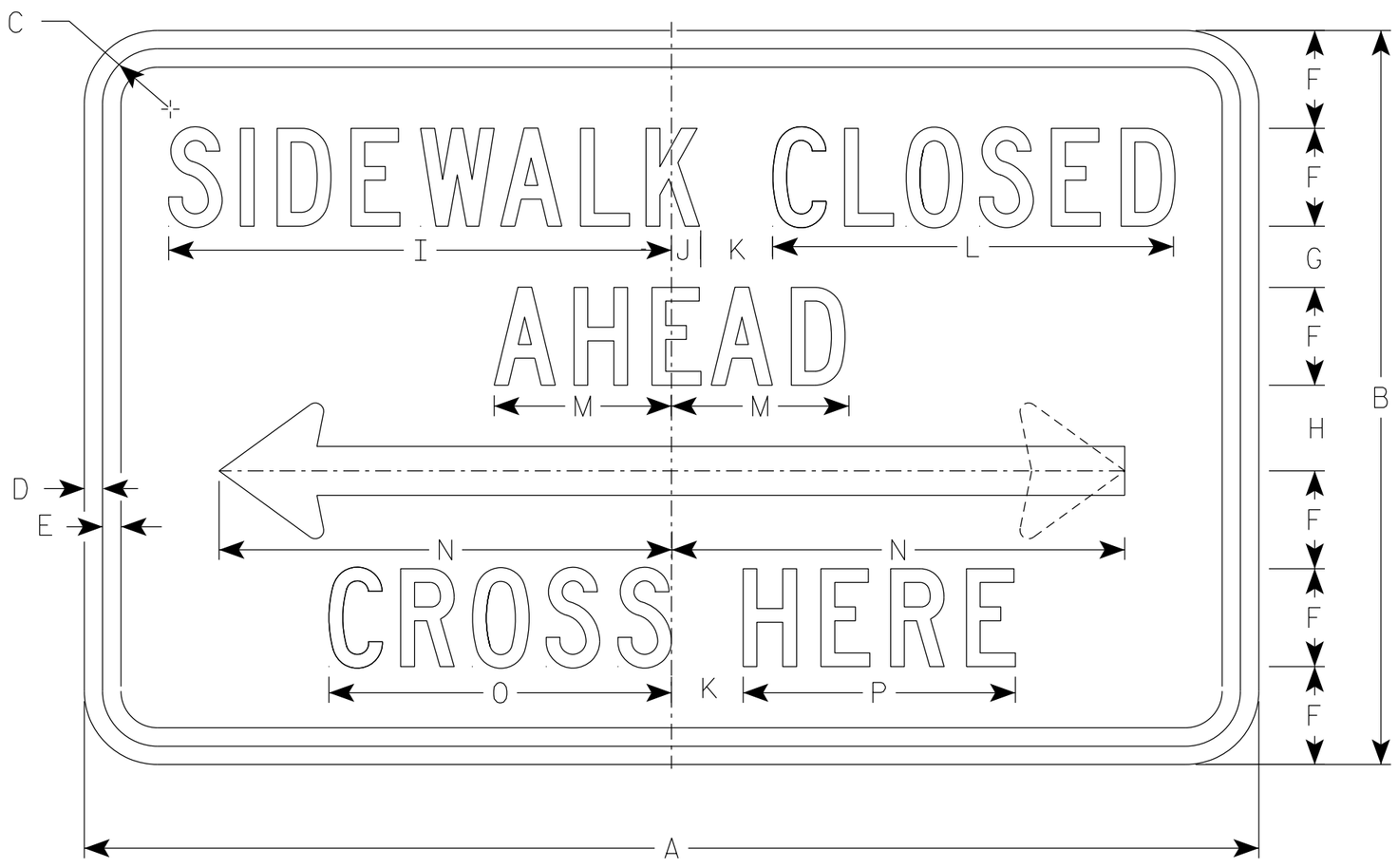
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

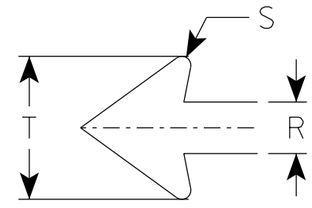
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 361 | E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

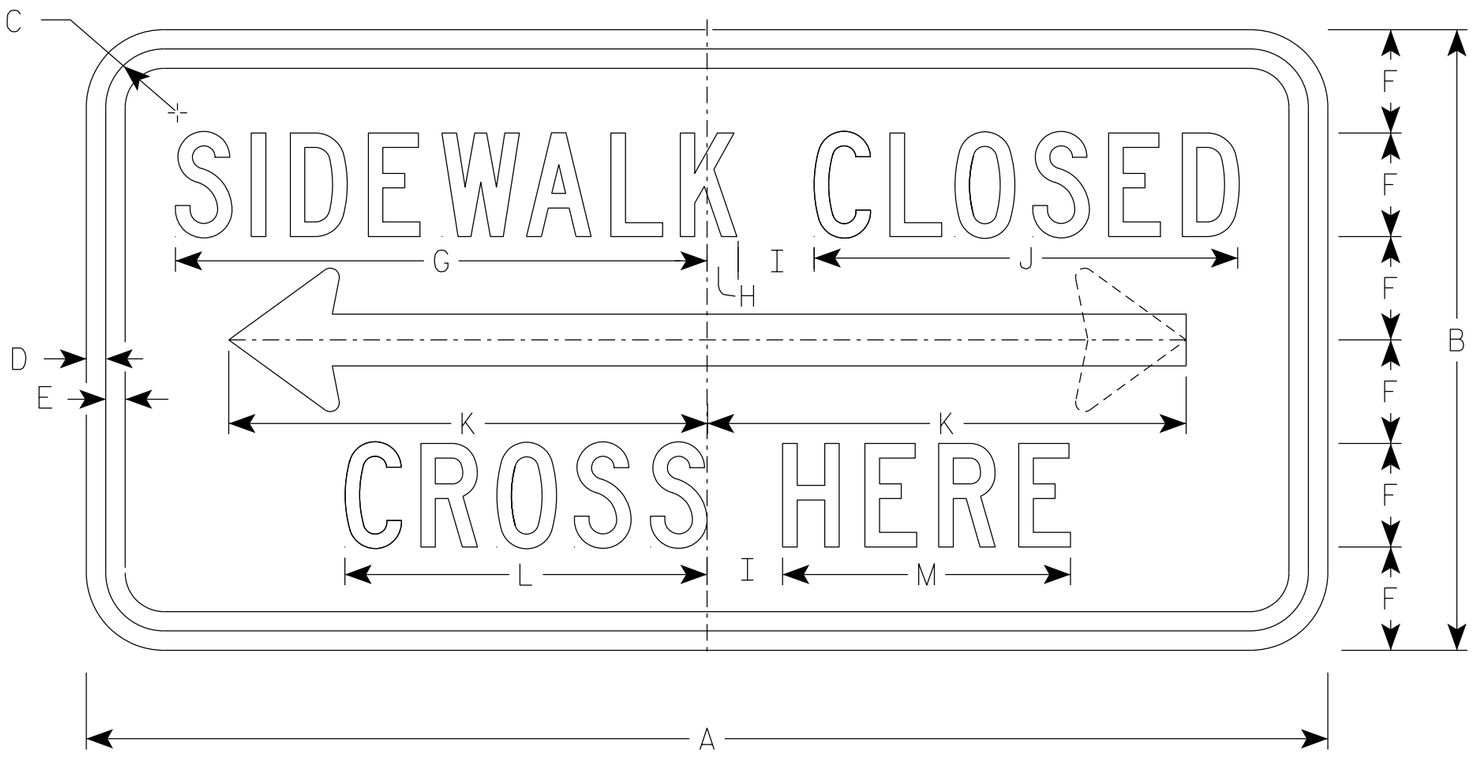
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

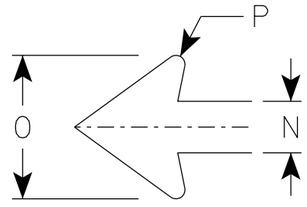
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 362 | E



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
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.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

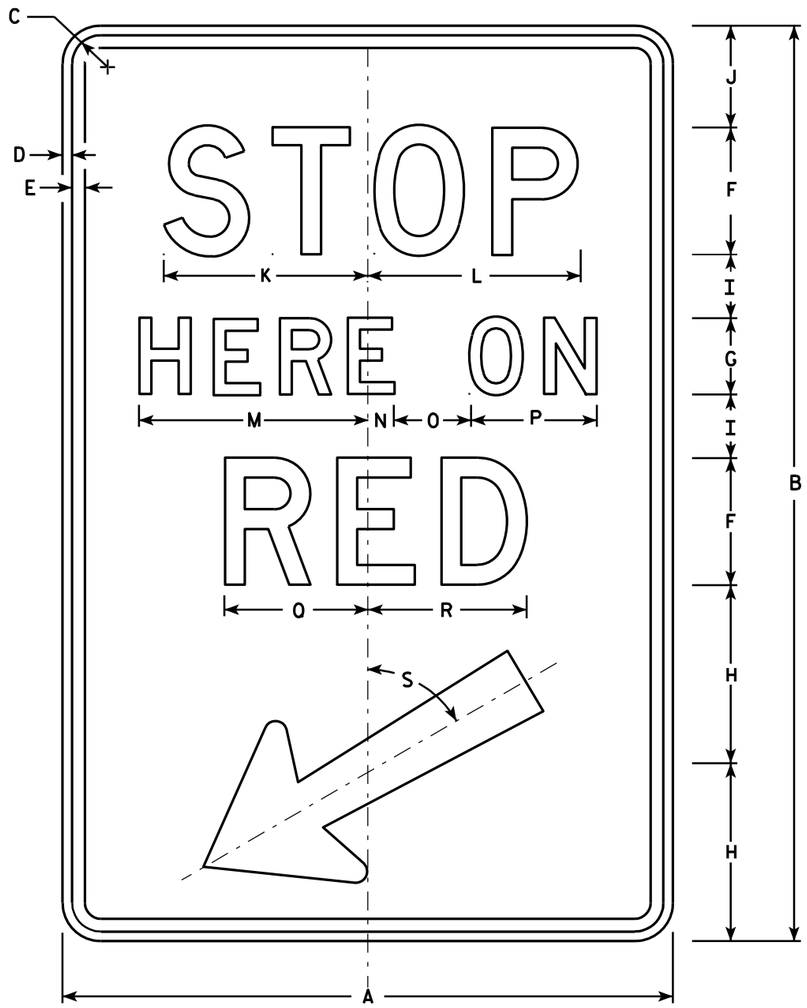
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

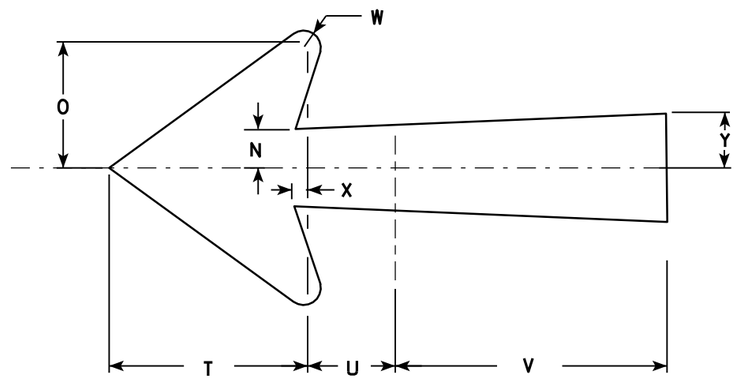
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E



R10-6

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 - 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.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/8	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 364	E

R10-71

R10-71L

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 - 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.

R10-71R

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	R10-71L&R Area sq. ft.	R10-71 Area sq. ft.
1																												
2S	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
2M	72	36	2 1/4	3/4	1	18	5	4	6	20 5/8	11 3/4	9 1/8	8 1/2	12 7/8	9 7/8	16 1/8	23 7/8	30	5 5/8	26 3/4	66	23 5/8	8 3/4	13	26 7/8	27	18.0	16.5
3																												
4																												
5																												

STANDARD SIGN
R10-71

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-71.3

PROJECT NO:

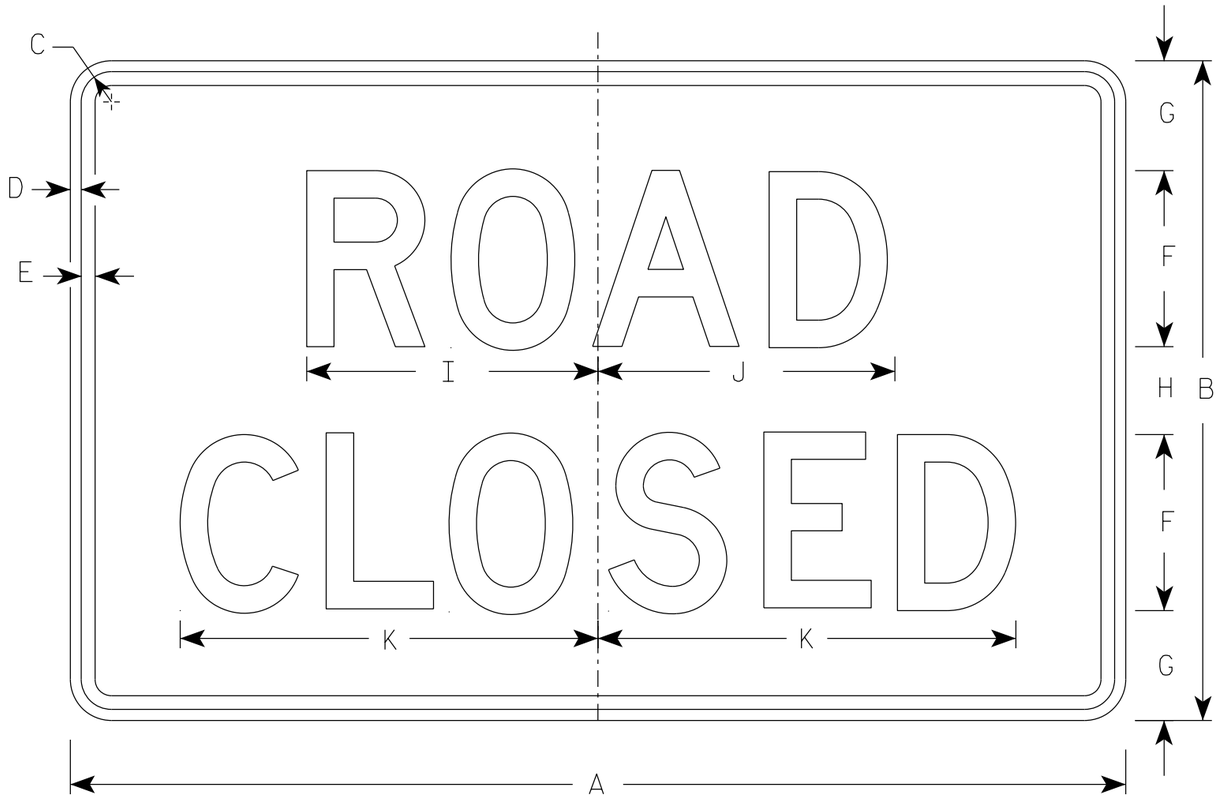
SHEET NO: 365 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R1071.DGN PLOT DATE : 04-APR-2011 14:36 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

7

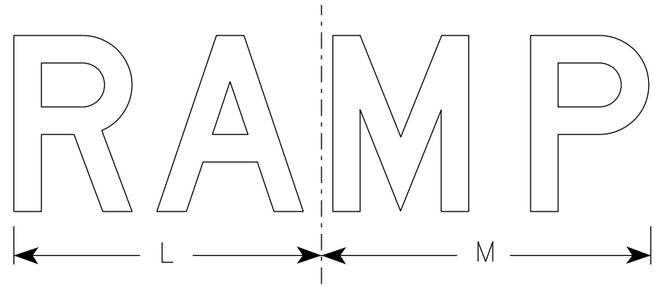
7



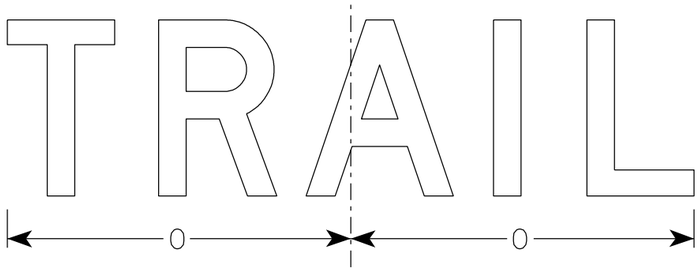
R11-2

NOTES

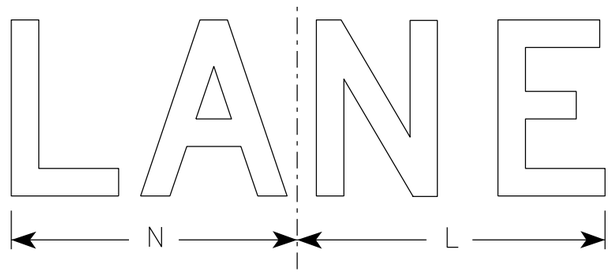
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

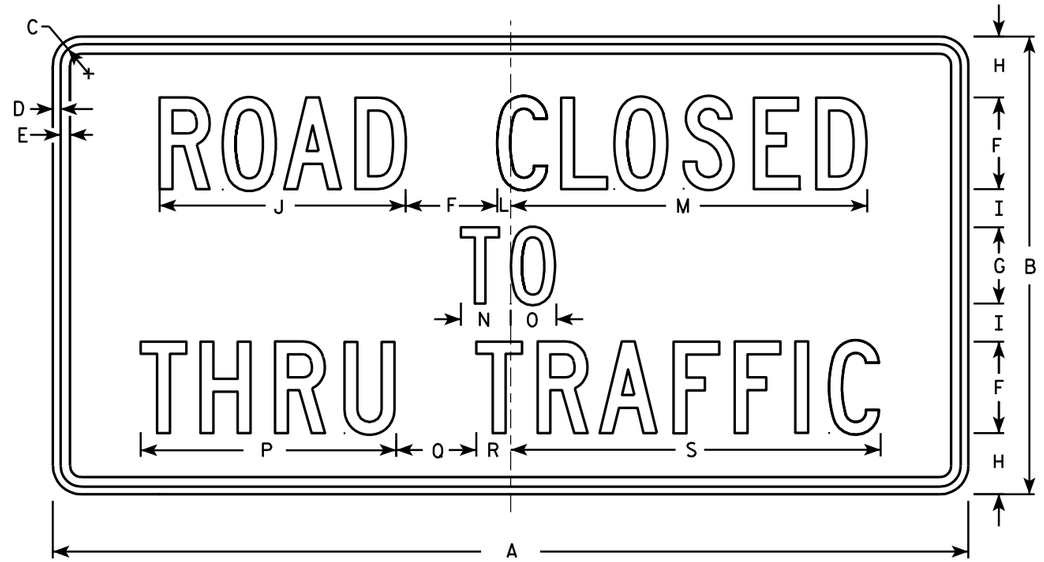
STANDARD SIGN
R11-2

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: 366	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

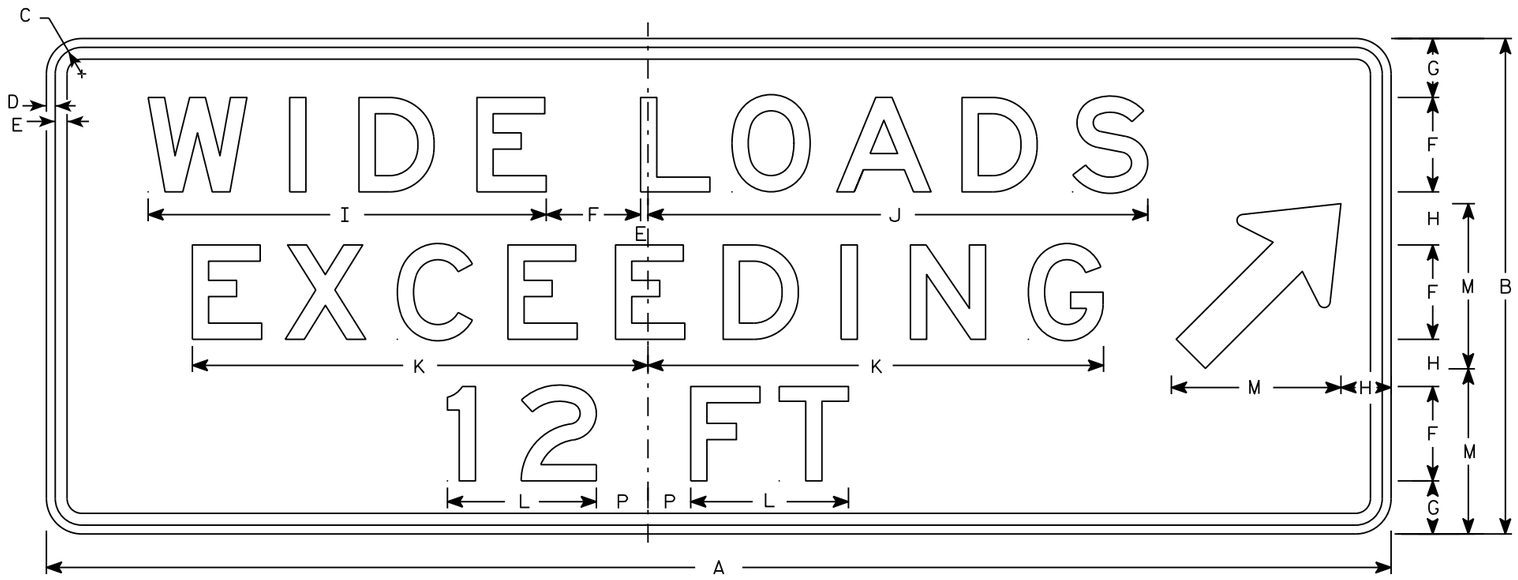
DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 367 | E

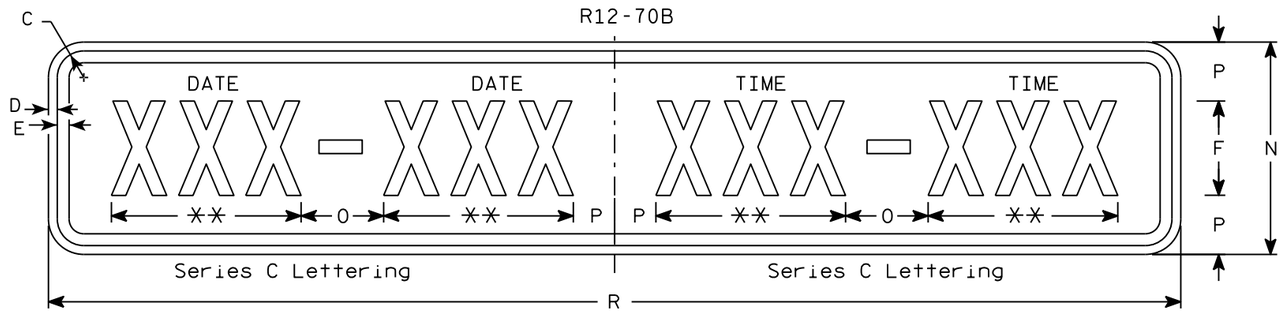
NOTES

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 except as noted
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.

** Substitute appropriate message, optically center message



R12-70B



R12-70C

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	R12-70 Area sq. ft.	R12-70C Area sq. ft.
1																												
2S	90	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	12	6	3		66									22.5	5.5
2M	90	36	2 1/4	1/2	5/8	6	4	5	20 7/8	28 3/8	24 5/8	8 1/8	12	12	6	3		66									22.5	5.5
3																												
4	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 1/2		96									36.75	12.0
5	114	42	2 1/4	3/4	1	8	5	4	34	42	39	13	14	18	7	3 1/2		96									36.75	12.0

TYPICAL SIGN
R12-70B

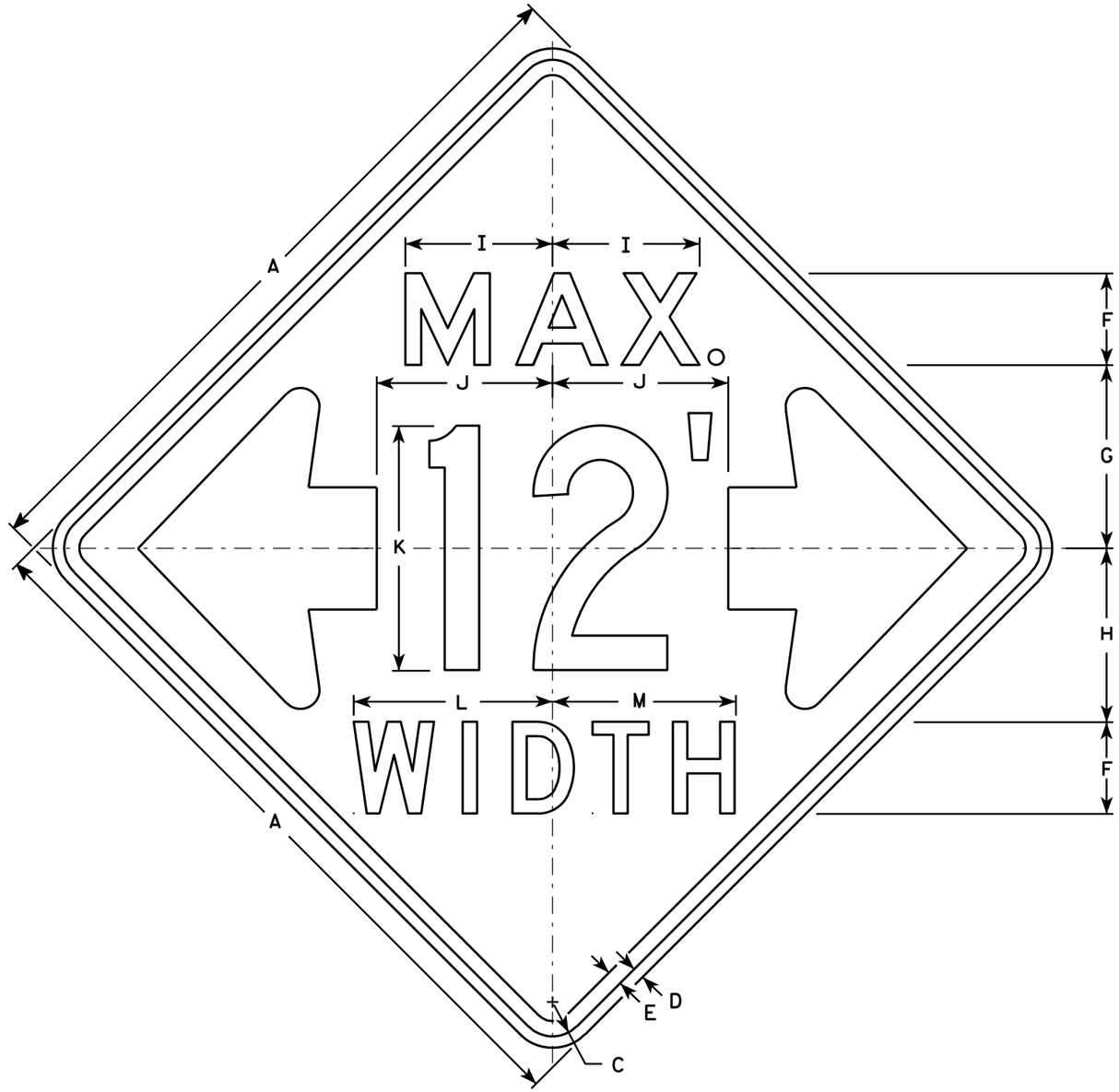
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO R12-70B.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

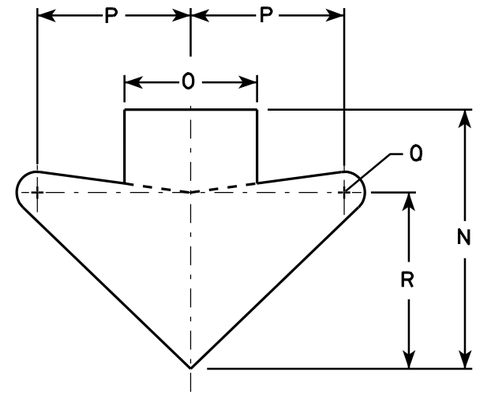
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R1270B.DGN PLOT DATE : 01-DEC-2015 18:10 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 12.842555:1.000000



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

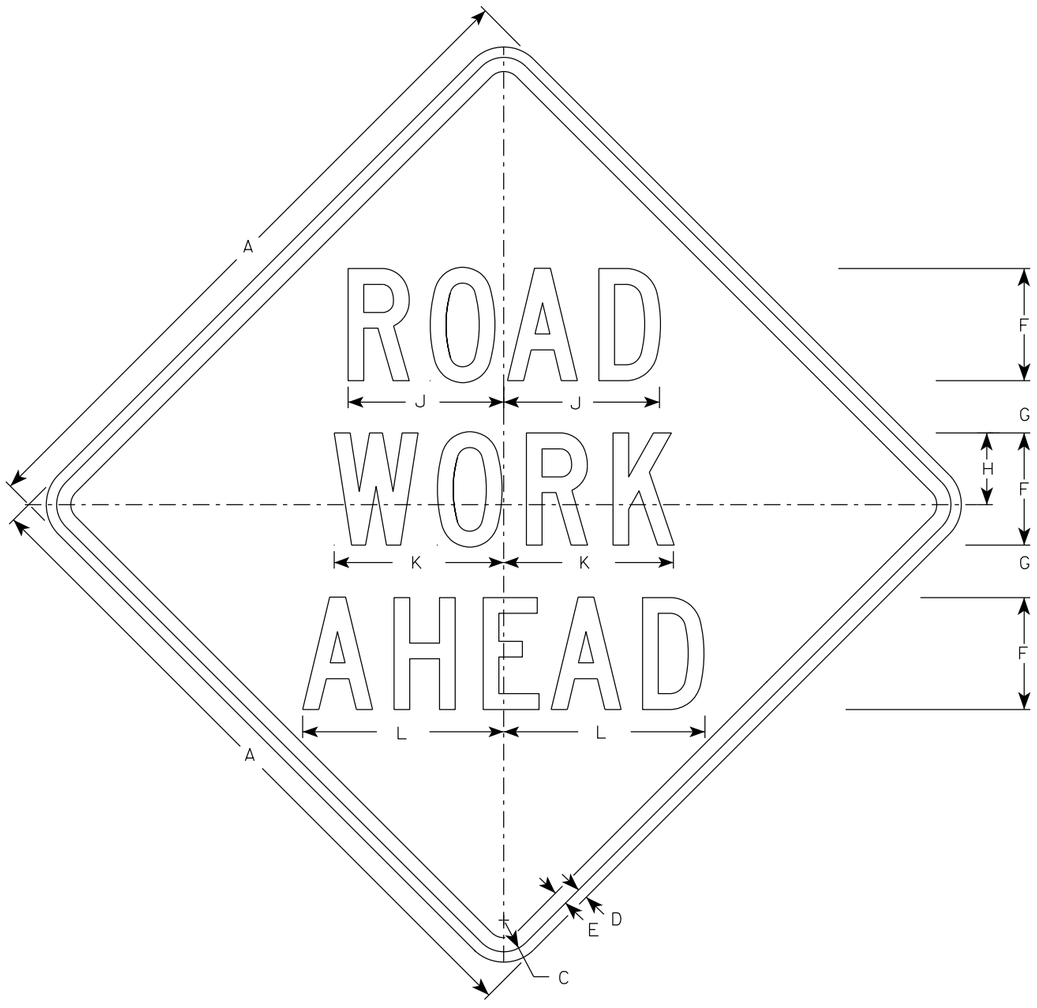
DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 369 | E

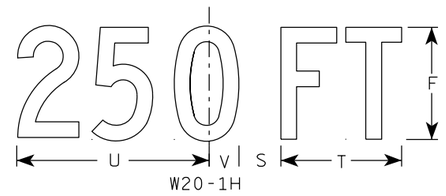
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42

NOTES

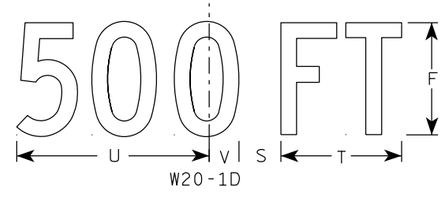
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

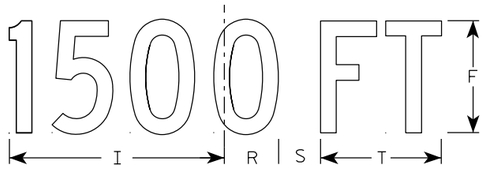


W20-1H

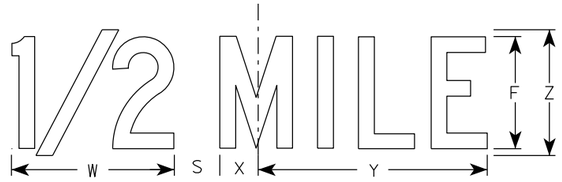


W20-1D

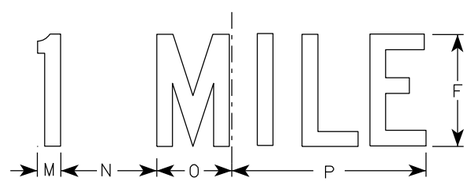
W20-1C



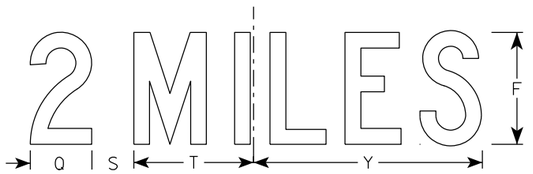
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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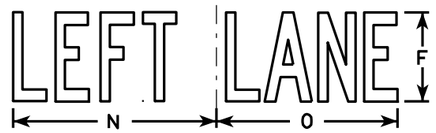
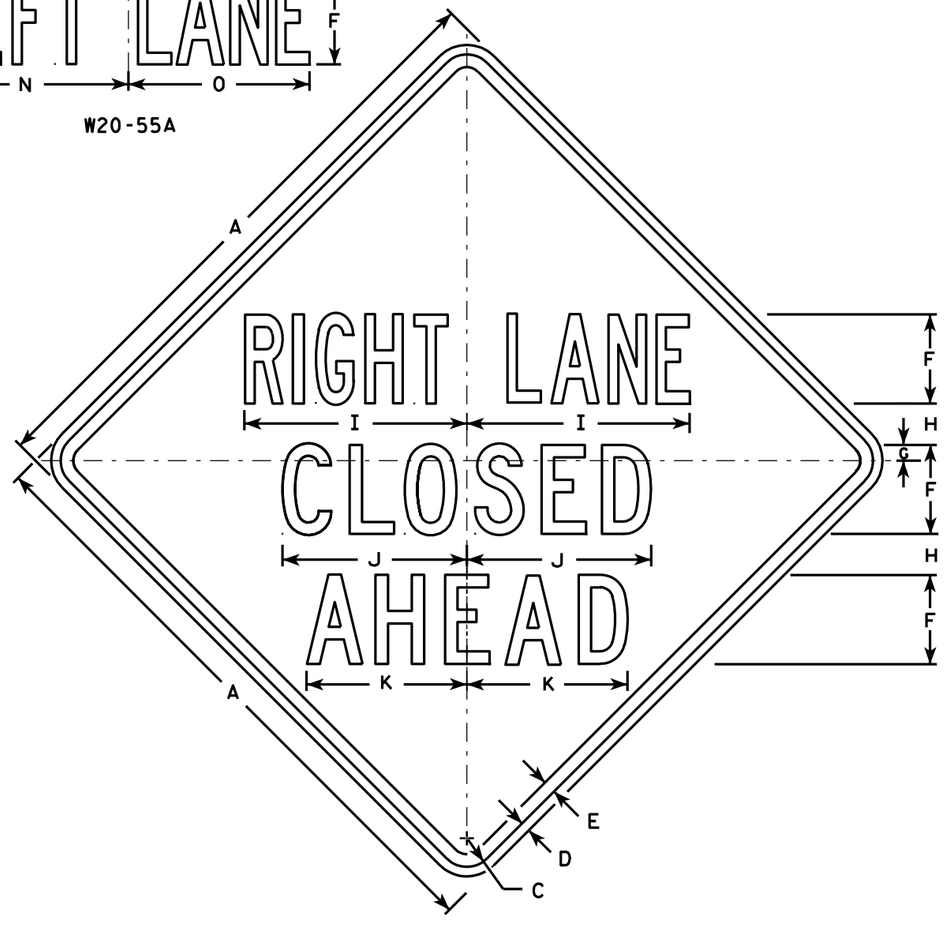
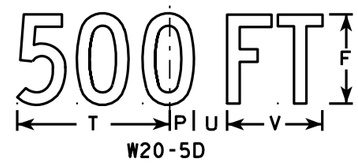
W20-56A



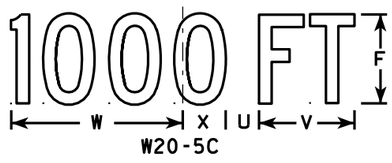
W20-55A



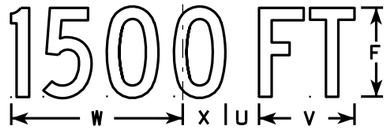
W20-5A



W20-5D



W20-5C



W20-5B

W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective - 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. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

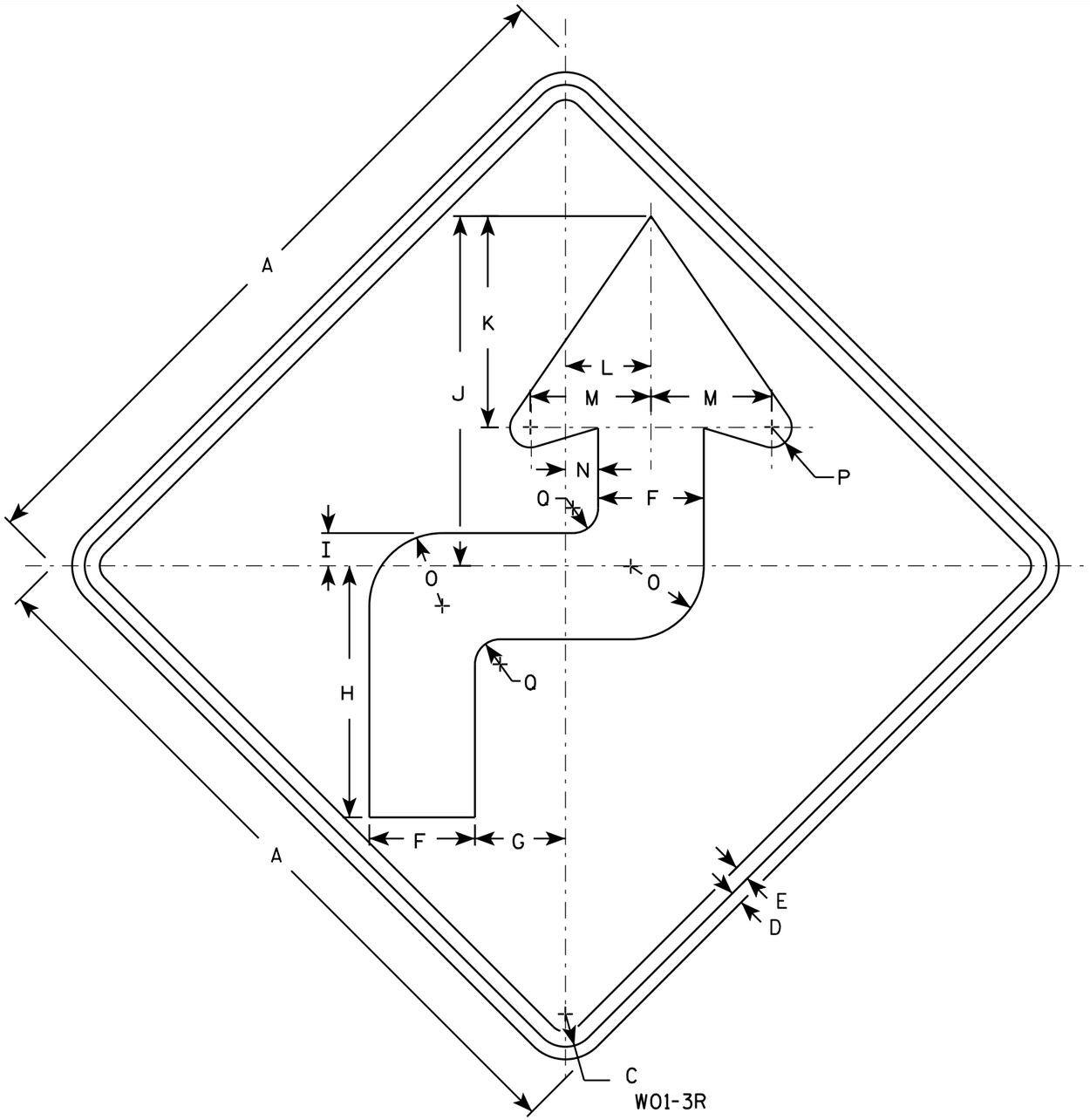
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 371	E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000 WISDOT/CADDS SHEET 42



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. W01-3L is the same as W01-3R 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 1/2	12 1/2	1 5/8	17 3/8	10 1/2	4 1/4	6	1 5/8	3 5/8	1	1 1/4										9.0
2S	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
2M	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
3	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
4	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0
5	48		2 1/4	3/4	1	7	6	16 5/8	2 1/4	23 1/4	14	5 5/8	8	2 1/8	4 7/8	1 1/4	1 5/8										16.0

STANDARD SIGN
W01-3

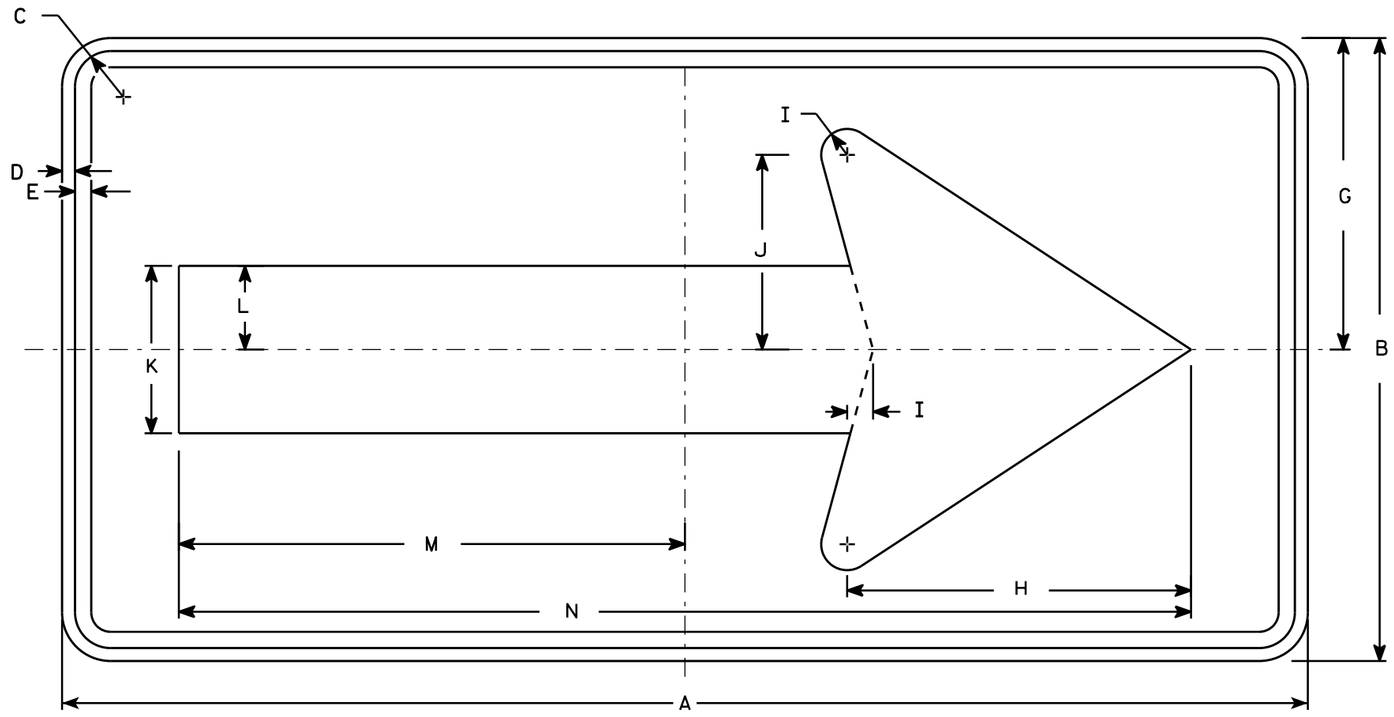
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE W01-3.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W013.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.567217:1.000000
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

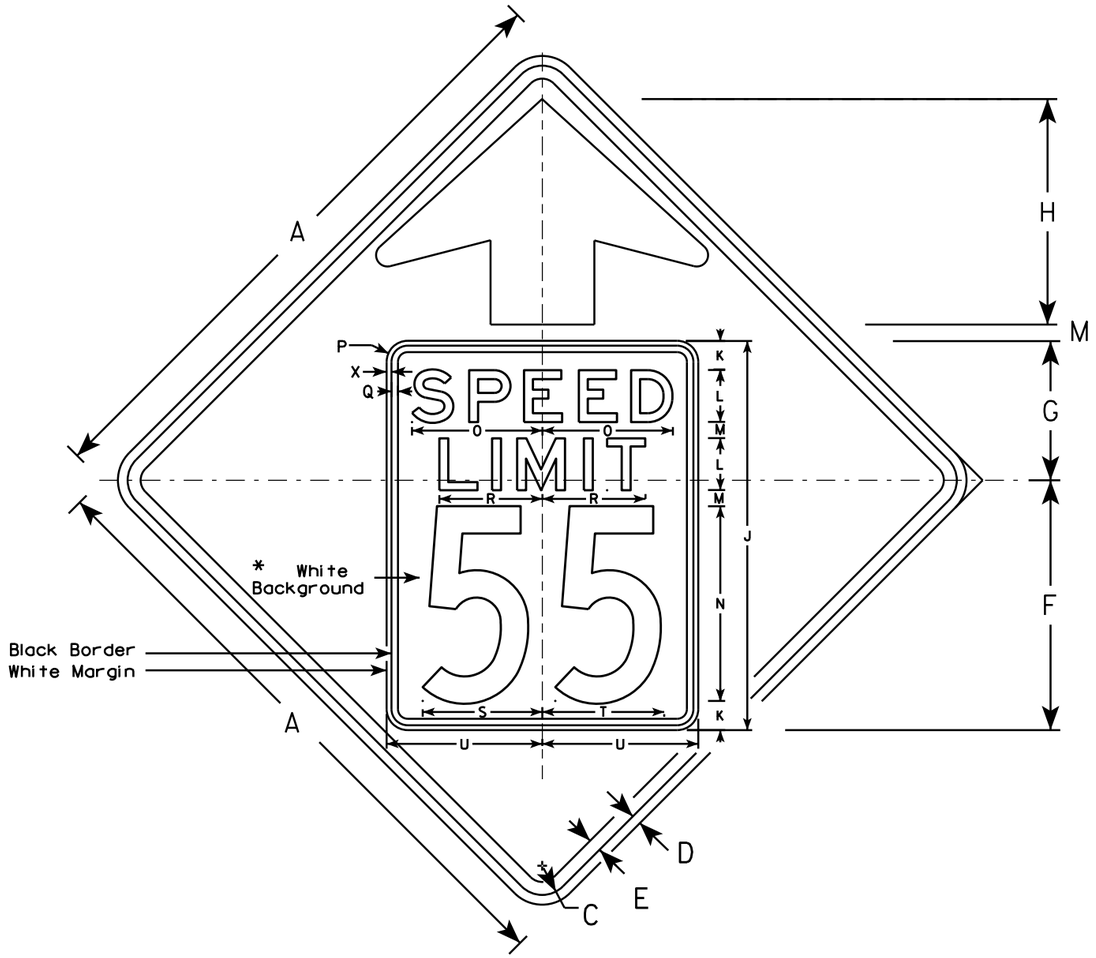
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. 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

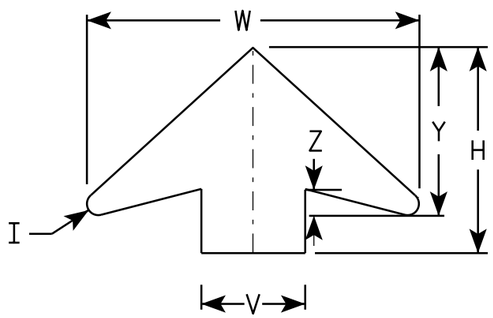


W03-5

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 - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

WISCONSIN DEPT OF TRANSPORTATION

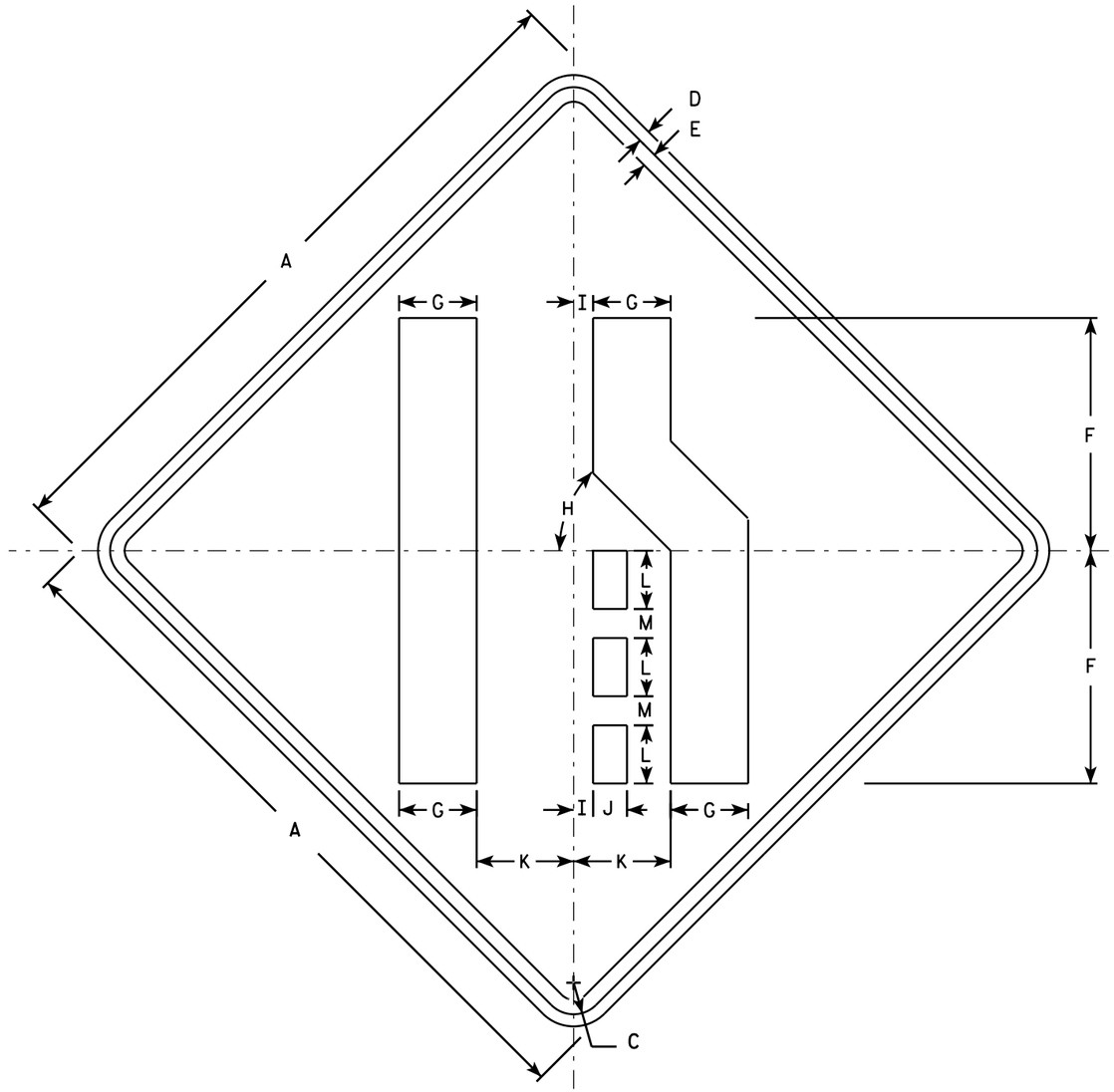
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE W03-5.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W035.DGN PLOT DATE : 20-NOV-2013 11:32 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



W04-2R

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. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

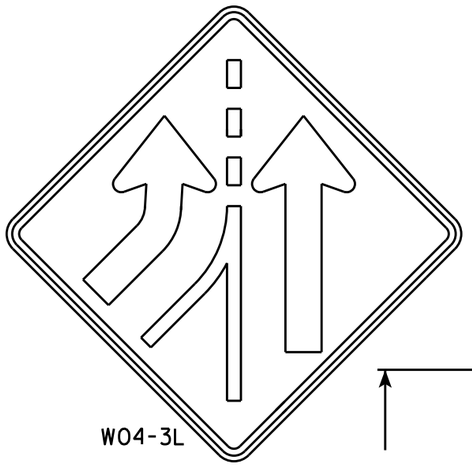
STANDARD SIGN
W04-2

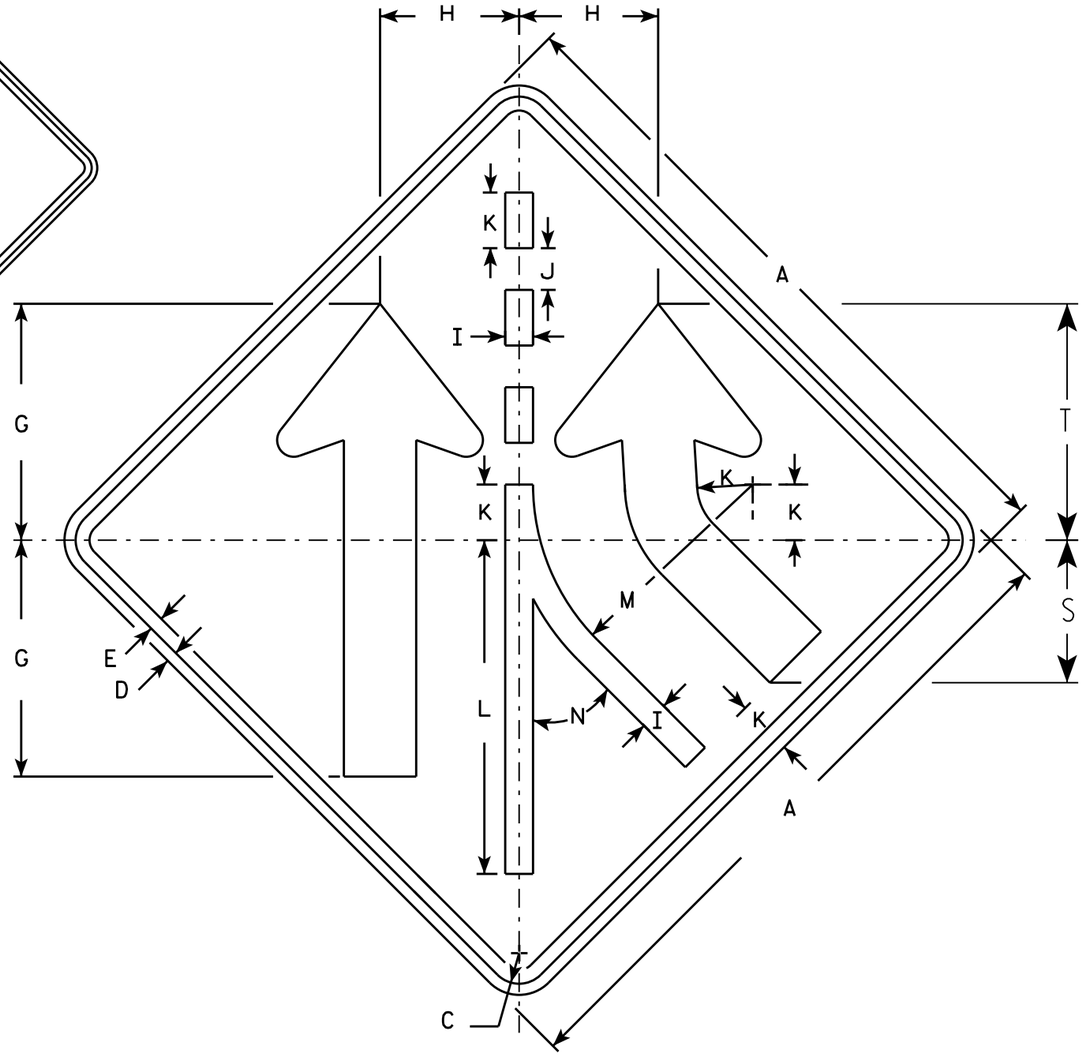
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 375 W04-2.1

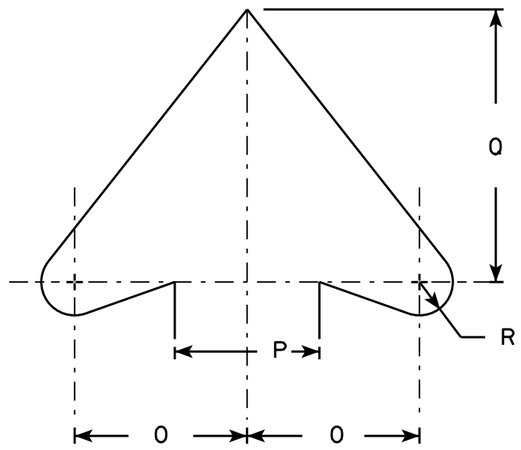
PROJECT NO: | SHEET NO: E





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. W04-3 L is the same as W04-3 R 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 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/20/13 PLATE W04-3.1

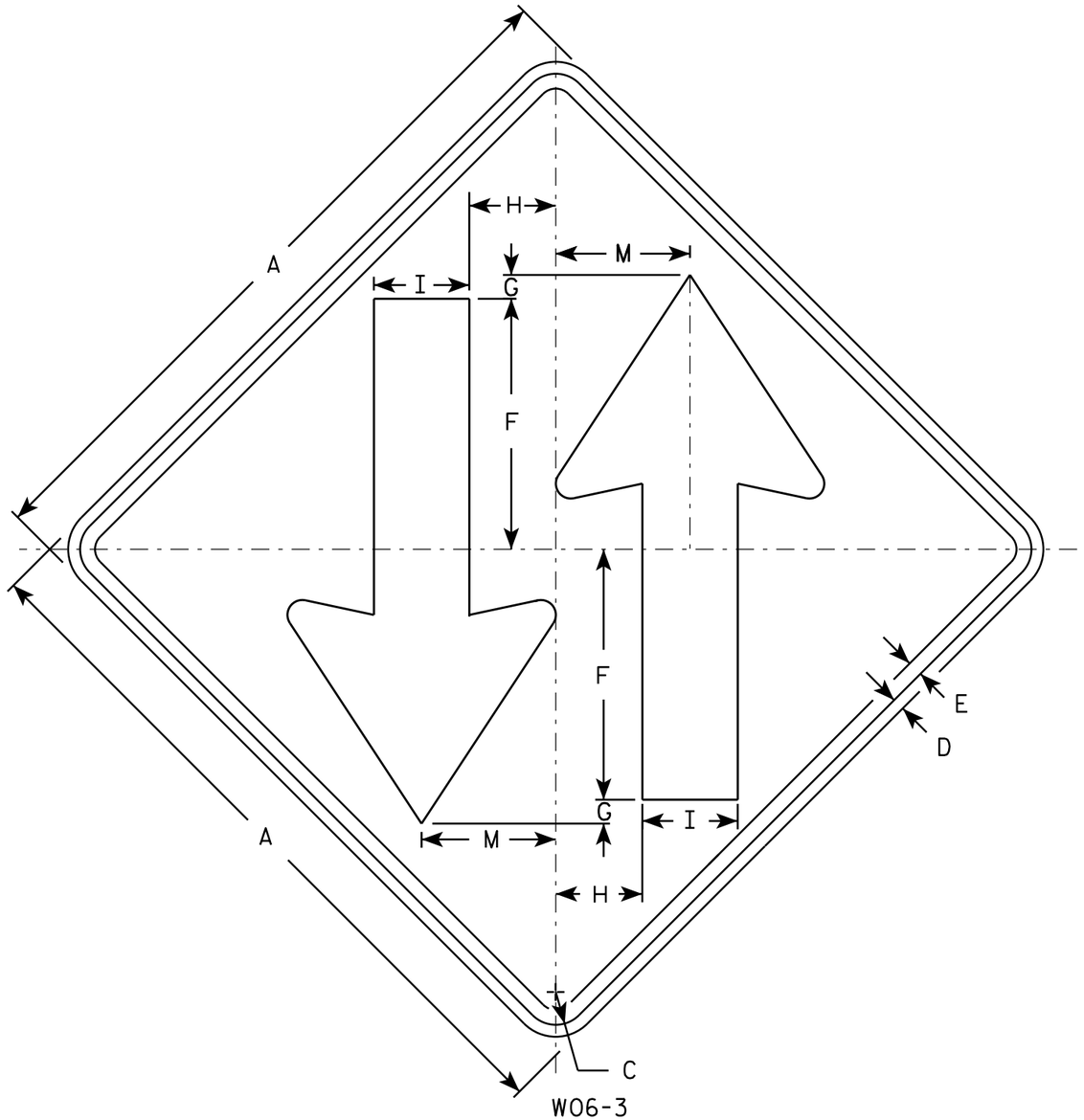
PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W043.DGN PLOT DATE : 20-NOV-2013 11:49 PLOT BY : mscsja 6.810449:1.000000

WISDOT/CADDS SHEET 42

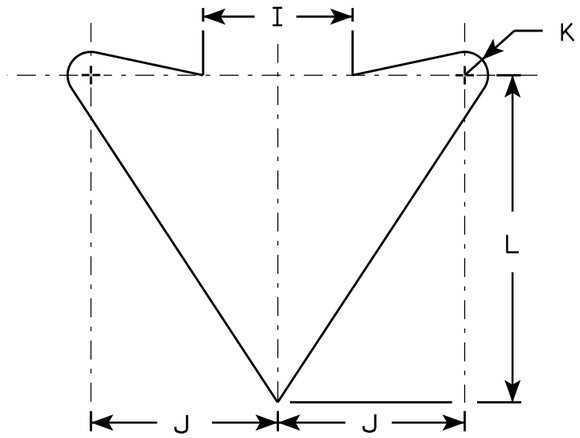
7 7



W06-3

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.



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	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

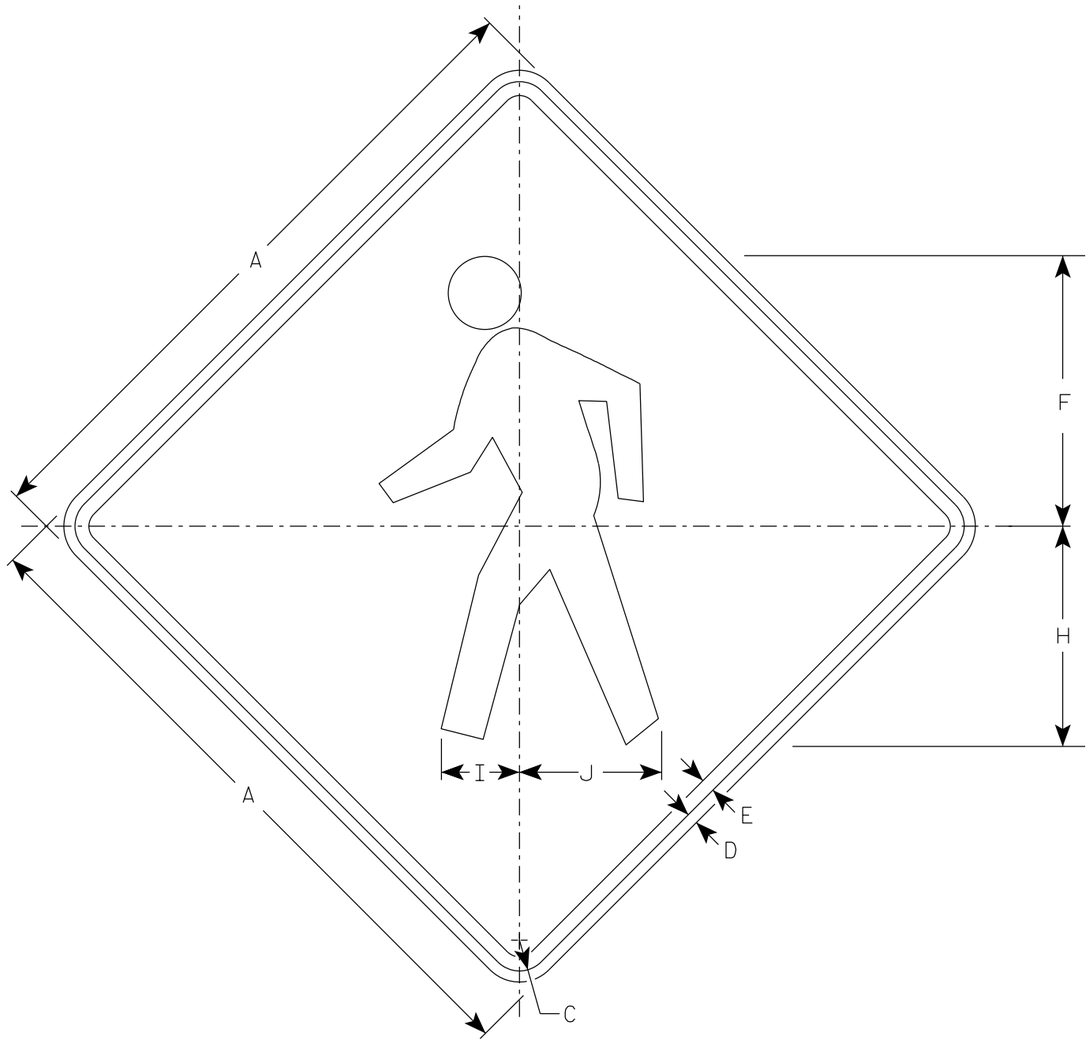
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 377 W06-3.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



WO11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

WO11-2

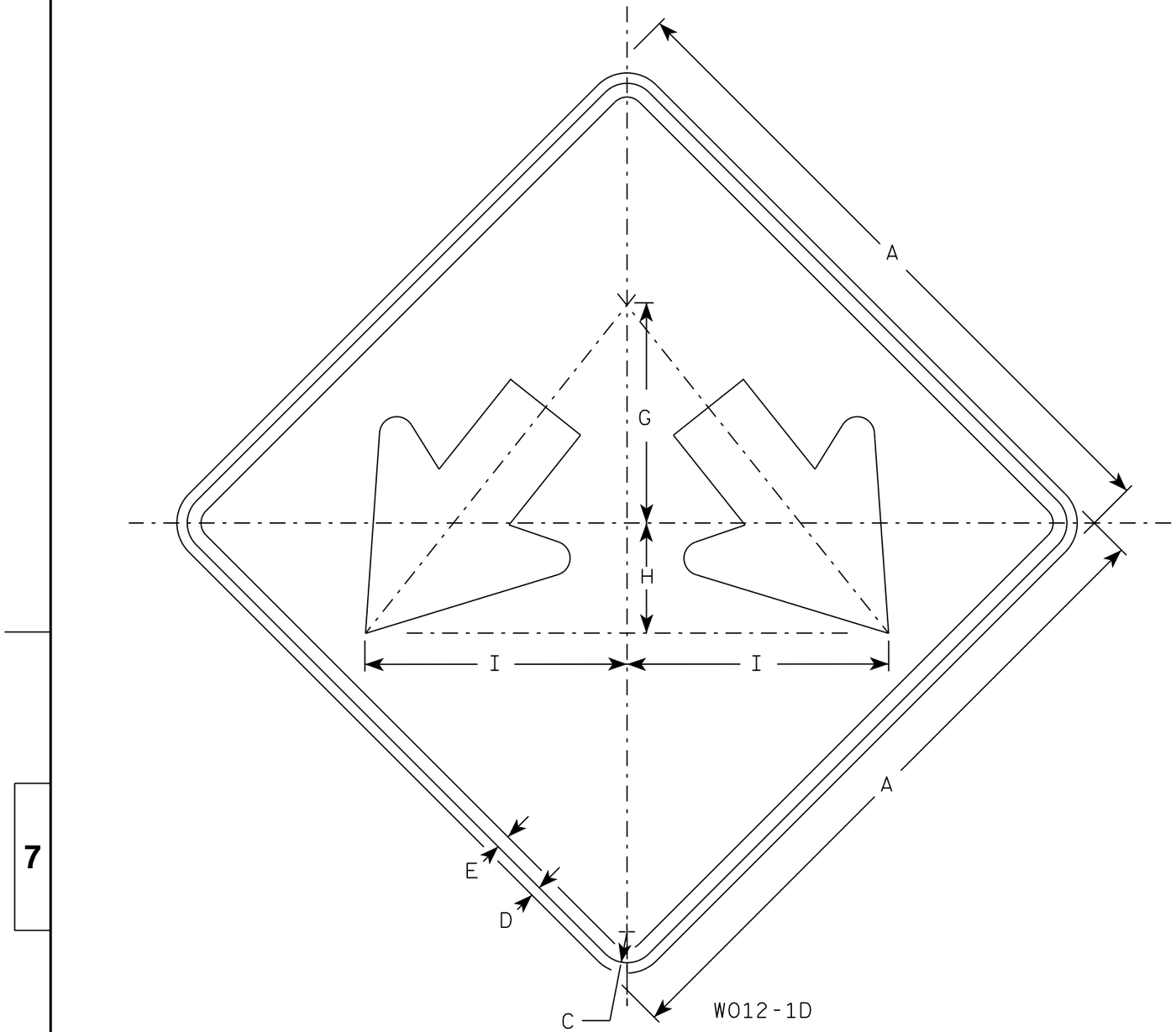
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 4/8/2020 PLATE NO. WO11-2.1

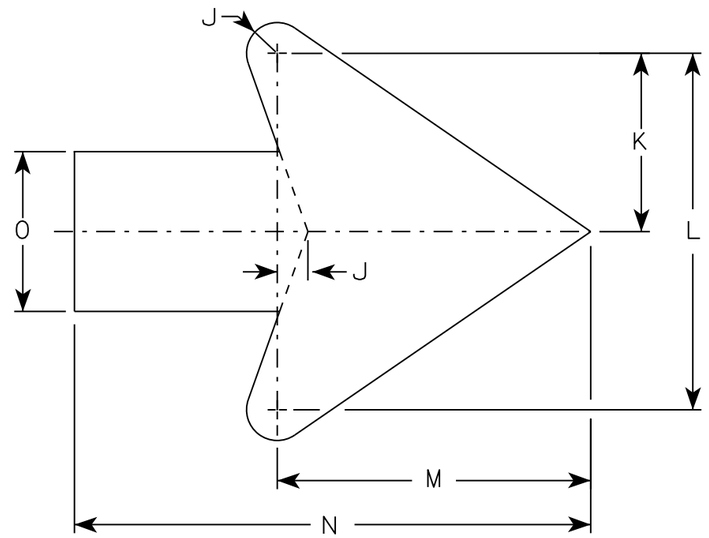
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E



W012-1D

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

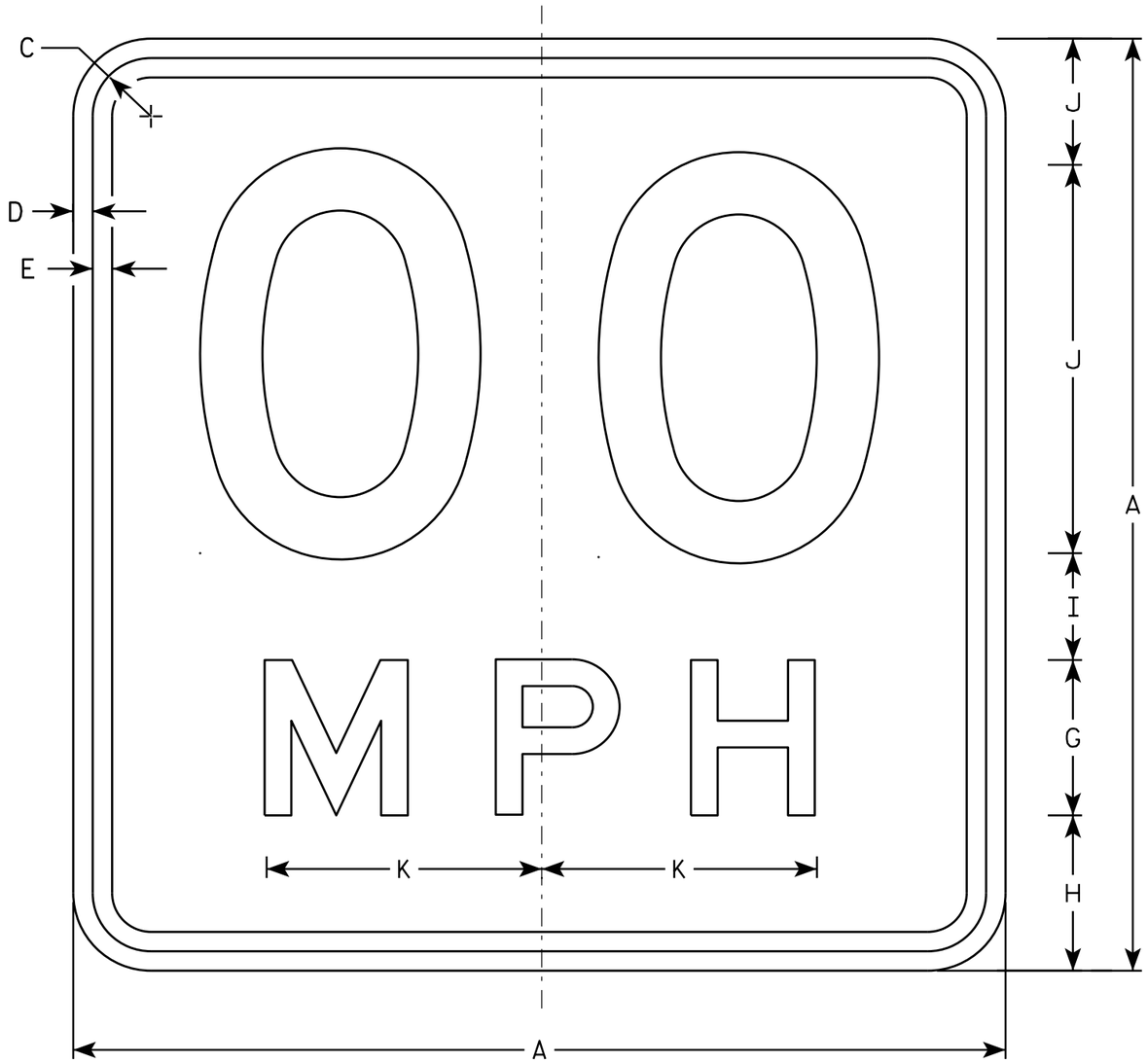
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000



W013-1

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 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	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
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
W013-1

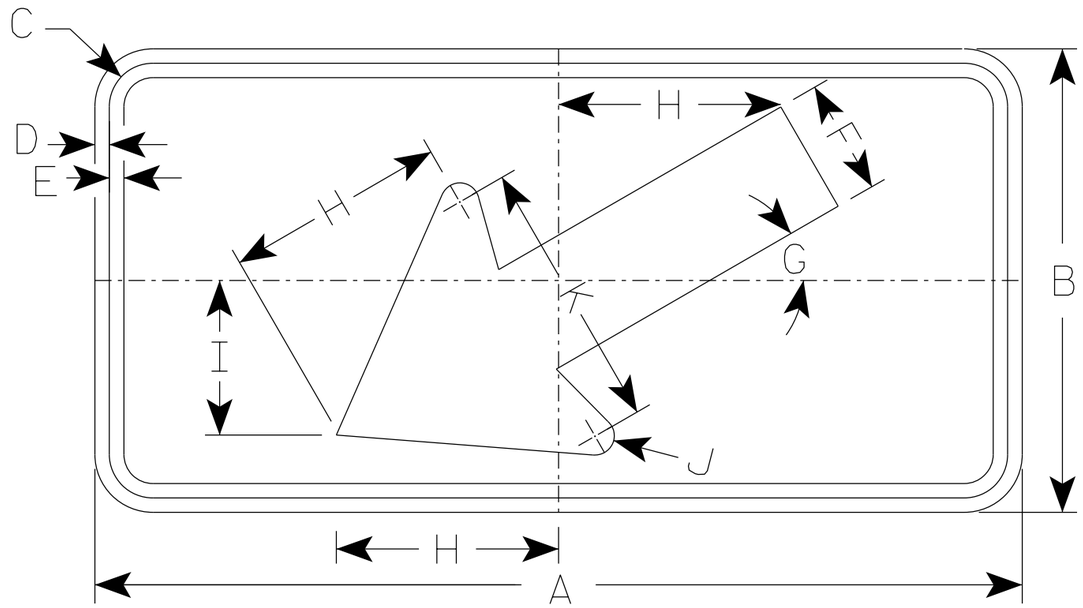
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 380 W013-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN PLOT DATE : 02-DEC-2013 13:55 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.794391:1.000000
WISDOT/CADDS SHEET 42



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L 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	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

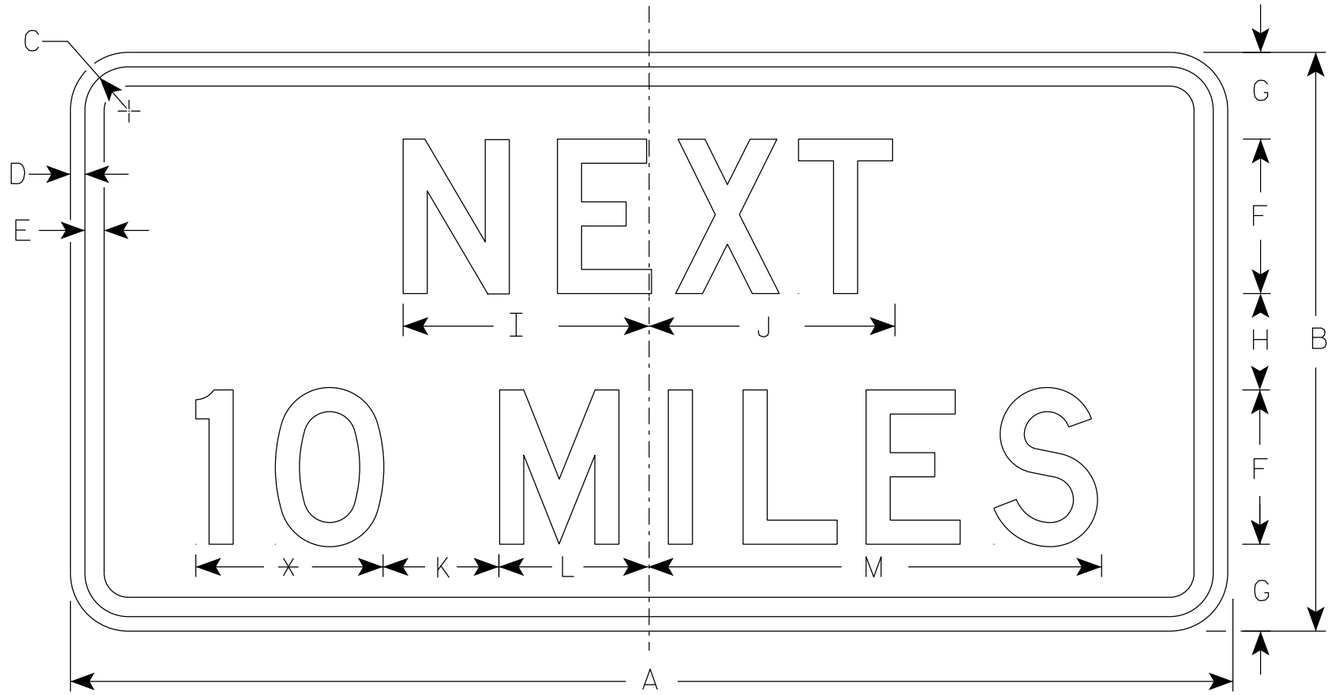
STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W016-7.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 381	E



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

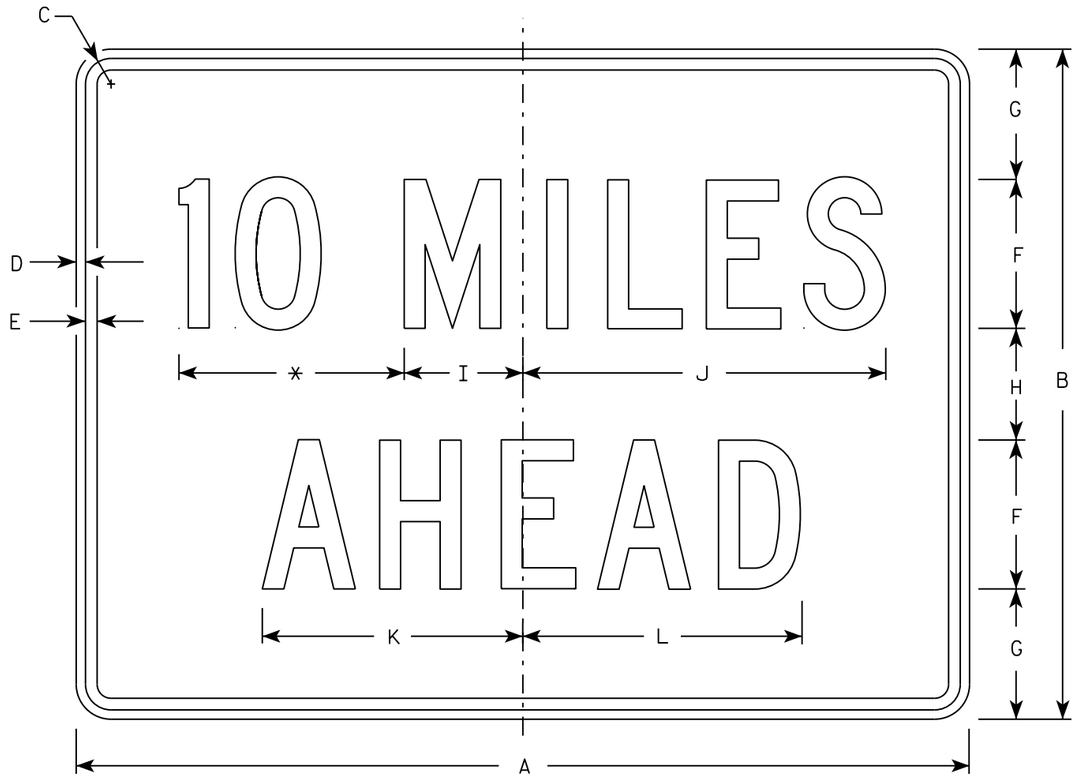
STANDARD SIGN
W057-51

WISCONSIN DEPT OF TRANSPORTATION

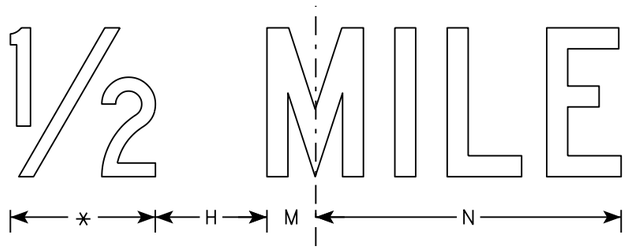
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W057-51.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 382	E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	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: 383	E

DIVISION 1 - USH 51 NB

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
14+44.506	1444.51	0.00	33.71	0.00	0.05	0	0	0	0	0	0
14+50	1450.00	5.49	33.09	0.00	0.03	7	0	0	7	0	7
15+00	1500.00	50.00	39.05	0.00	0.00	67	0	0	74	0	74
15+50	1550.00	50.00	46.55	0.00	0.00	79	0	0	153	0	153
16+00	1600.00	50.00	44.86	0.00	0.00	85	0	0	238	0	238
16+50	1650.00	50.00	42.80	0.00	0.00	81	0	0	319	0	319
17+00	1700.00	50.00	41.45	0.00	0.00	78	0	0	397	0	397
17+50	1750.00	50.00	42.41	0.00	0.00	78	0	0	475	0	475
18+00	1800.00	50.00	44.07	0.00	0.00	80	0	0	555	0	555
18+50	1850.00	50.00	48.41	0.00	0.00	86	0	0	641	0	641
19+00	1900.00	50.00	56.56	0.00	1.30	97	0	1	738	1	737
19+50	1950.00	50.00	64.42	0.00	0.00	112	0	1	850	3	848
20+00	2000.00	50.00	63.64	0.00	0.00	119	0	0	969	3	967
20+50	2050.00	50.00	43.61	0.00	0.04	99	0	0	1,068	3	1,066
21+00	2100.00	50.00	56.77	0.00	0.50	93	0	1	1,161	4	1,157
21+50	2150.00	50.00	55.66	0.00	0.07	104	0	1	1,265	5	1,260
22+00	2200.00	50.00	56.76	0.00	0.12	104	0	0	1,369	5	1,364
22+50	2250.00	50.00	53.72	0.00	0.29	102	0	0	1,471	5	1,466
23+00	2300.00	50.00	54.54	0.00	0.00	100	0	0	1,571	5	1,566
23+50	2350.00	50.00	55.95	0.00	0.00	102	0	0	1,673	5	1,668
24+00	2400.00	50.00	56.74	0.00	0.00	104	0	0	1,777	5	1,772
24+45	2444.80	44.80	52.50	0.00	0.22	91	0	0	1,868	5	1,863
24+50	2450.00	5.20	28.54	0.00	0.00	8	0	0	1,876	5	1,871
25+00	2500.00	50.00	30.79	0.00	0.00	55	0	0	1,931	5	1,926
25+50	2550.00	50.00	31.82	0.00	0.00	58	0	0	1,989	5	1,984
26+00	2600.00	50.00	31.97	0.00	0.00	59	0	0	2,048	5	2,043
26+50	2650.00	50.00	32.49	0.00	0.00	60	0	0	2,108	5	2,103
27+00	2700.00	50.00	28.75	0.00	0.82	57	0	1	2,165	6	2,159
27+50	2750.00	50.00	29.59	0.00	0.20	54	0	1	2,219	8	2,212
28+00	2800.00	50.00	29.72	0.00	0.37	55	0	1	2,274	9	2,265
28+50	2850.00	50.00	30.69	0.00	0.24	56	0	1	2,330	10	2,320
29+00	2900.00	50.00	28.98	0.00	0.37	55	0	1	2,385	11	2,374
29+50	2950.00	50.00	31.24	0.00	0.00	56	0	0	2,441	11	2,430
30+00	3000.00	50.00	31.80	0.00	0.00	58	0	0	2,499	11	2,488
30+50	3050.00	50.00	32.29	0.00	0.00	59	0	0	2,558	11	2,547
31+00	3100.00	50.00	31.39	0.00	0.00	59	0	0	2,617	11	2,606
31+50	3150.00	50.00	31.72	0.00	0.00	58	0	0	2,675	11	2,664
32+00	3200.00	50.00	35.38	0.00	0.04	62	0	0	2,737	11	2,726
32+50	3250.00	50.00	41.73	0.00	0.08	71	0	0	2,808	11	2,797
33+00	3300.00	50.00	41.73	0.00	0.02	77	0	0	2,885	11	2,874
33+50	3350.00	50.00	40.40	0.00	0.13	76	0	0	2,961	11	2,950

(CONTINUED)

DIVISION 1 - USH 51 NB (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
34+00	3400.00	50.00	45.57	0.00	0.00	80	0	0	3,041	11	3,030
34+50	3450.00	50.00	55.61	0.00	2.43	94	0	2	3,135	14	3,121
35+00	3500.00	50.00	52.67	0.00	1.00	100	0	3	3,235	18	3,218
35+50	3550.00	50.00	53.97	0.00	3.75	99	0	4	3,334	23	3,312
36+00	3600.00	50.00	45.36	0.00	19.03	92	0	21	3,426	49	3,377
36+50	3650.00	50.00	43.31	0.00	13.21	82	0	30	3,508	86	3,422
37+00	3700.00	50.00	43.67	0.00	9.66	81	0	21	3,589	113	3,477
37+28	3727.84	27.84	43.72	0.00	5.70	45	0	8	3,634	123	3,512
37+50	3750.00	22.16	26.34	0.00	4.85	29	0	4	3,663	128	3,536
38+00	3800.00	50.00	26.46	0.00	4.76	49	0	9	3,712	139	3,573
38+50	3850.00	50.00	27.86	0.00	5.61	50	0	10	3,762	151	3,611
39+00	3900.00	50.00	29.84	0.00	3.53	53	0	8	3,815	161	3,654
39+50	3950.00	50.00	28.99	0.00	5.39	54	0	8	3,869	171	3,698
40+00	4000.00	50.00	30.30	0.00	6.95	55	0	11	3,924	185	3,739
40+50	4050.00	50.00	39.71	0.00	1.82	65	0	8	3,989	195	3,794
41+00	4100.00	50.00	32.19	0.00	0.00	67	0	2	4,056	198	3,859
41+50	4150.00	50.00	27.46	0.00	0.00	55	0	0	4,111	198	3,914
42+00	4200.00	50.00	26.07	0.00	0.00	50	0	0	4,161	198	3,964
42+50	4250.00	50.00	30.38	0.00	4.47	52	0	4	4,213	203	4,011
43+00	4300.00	50.00	31.88	0.00	1.80	58	0	6	4,271	210	4,061
43+50	4350.00	50.00	31.47	0.00	0.00	59	0	2	4,330	213	4,118
44+00	4400.00	50.00	37.48	0.00	2.36	64	0	2	4,394	215	4,179
44+50	4450.00	50.00	39.07	0.00	0.45	71	0	3	4,465	219	4,246
45+00	4500.00	50.00	37.93	0.00	0.29	71	0	1	4,536	220	4,316
45+50	4550.00	50.00	37.76	0.00	0.00	70	0	0	4,606	220	4,386
46+00	4600.00	50.00	37.70	0.00	0.79	70	0	1	4,676	221	4,455
46+50	4650.00	50.00	44.43	0.00	0.00	76	0	1	4,752	223	4,530
47+00	4700.00	50.00	47.62	0.00	0.00	85	0	0	4,837	223	4,615
47+50	4750.00	50.00	44.43	0.00	3.18	85	0	3	4,922	226	4,696
48+00	4800.00	50.00	43.96	0.00	0.00	82	0	3	5,004	230	4,774
48+50	4850.00	50.00	46.80	0.00	0.00	84	0	0	5,088	230	4,858
49+00	4900.00	50.00	48.56	0.00	0.00	88	0	0	5,176	230	4,946
49+13	4913.00	13.00	63.27	0.00	0.00	27	0	0	5,203	230	4,973
49+50	4950.00	37.00	50.68	0.00	0.00	78	0	0	5,281	230	5,051
50+00	5000.00	50.00	45.52	0.00	0.00	89	0	0	5,370	230	5,140
50+50	5050.00	50.00	42.15	0.00	0.00	81	0	0	5,451	230	5,221
51+00	5100.00	50.00	40.98	0.00	0.00	77	0	0	5,528	230	5,298
51+50	5150.00	50.00	40.30	0.00	0.00	75	0	0	5,603	230	5,373
52+00	5200.00	50.00	39.94	0.00	0.00	74	0	0	5,677	230	5,447
52+50	5250.00	50.00	41.88	0.00	0.00	76	0	0	5,753	230	5,523
52+75	5275.00	25.00	38.80	0.00	0.00	37	0	0	5,790	230	5,560
53+00	5300.00	25.00	25.98	0.00	0.00	30	0	0	5,820	230	5,590
53+50	5350.00	50.00	28.55	0.00	0.00	50	0	0	5,870	230	5,640
53+66.79	5366.79	16.79	29.55	0.00	0.00	18	0	0	5,888	230	5,658

DIVISION 1 - ANDERSON STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
100+39.061	10039.06	0.00	73.94	0.00	0.00	0	0	0	0	0	0
100+50	10050.00	10.94	54.46	0.00	0.00	26	0	0	26	0	26
100+69	10069.00	19.00	41.12	0.00	0.00	34	0	0	60	0	60
100+72	10072.00	3.00	41.63	0.00	0.00	5	0	0	65	0	65
100+99.13	10099.13	27.13	0.00	0.00	0.00	21	0	0	86	0	86

DIVISION 1 - KINSMAN BOULVARD

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
00+25	25.00	0.00	4.71	0.00	0.00	0	0	0	0	0	0
00+50	50.00	25.00	7.72	0.00	0.00	6	0	0	6	0	6
00+79.501	79.50	29.50	34.39	0.00	0.00	23	0	0	29	0	29
00+98.128	98.13	18.63	27.58	0.00	0.00	21	0	0	50	0	50
01+08.122	108.12	9.99	19.79	0.00	0.00	9	0	0	59	0	59

DIVISION 1 - PIERSTORFF STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
00+34.31	34.31	0.00	74.68	0.00	0.00	0	0	0	0	0	0
00+60	60.00	25.69	32.71	0.00	0.00	51	0	0	51	0	51
00+71.094	71.09	11.09	25.44	0.00	0.00	12	0	0	63	0	63

DIVISION 2 - ANDERSON STREET MULTI-USE PATH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
00+00'P'	0.00	0.00	19.52	0.00	0.00	0	0	0	0	0	0
00+25'P'	25.00	25.00	21.92	0.00	0.00	19	0	0	19	0	19
00+50'P'	50.00	25.00	21.64	0.00	0.06	20	0	0	39	0	39
00+75'P'	75.00	25.00	17.83	0.00	0.00	18	0	0	57	0	57
01+00'P'	100.00	25.00	18.38	0.00	0.00	17	0	0	74	0	74
01+25'P'	125.00	25.00	14.67	0.00	0.00	15	0	0	89	0	89
01+41.08'P'	141.08	16.08	14.25	0.00	0.00	9	0	0	98	0	98

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 386	E

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LAYOUT NAME - 090201-xs

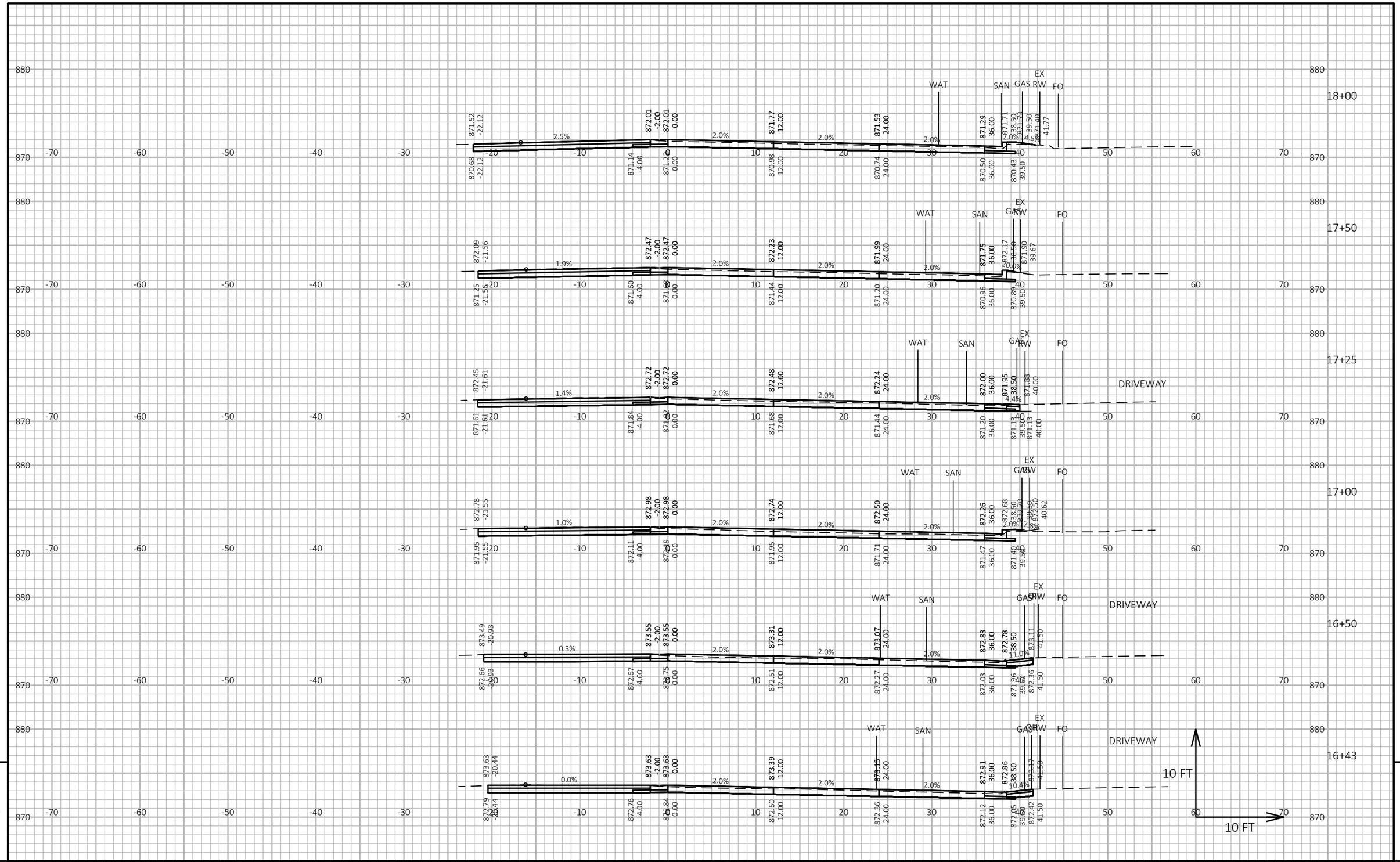
PLOT DATE : 7/11/2022 5:18 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 387	E

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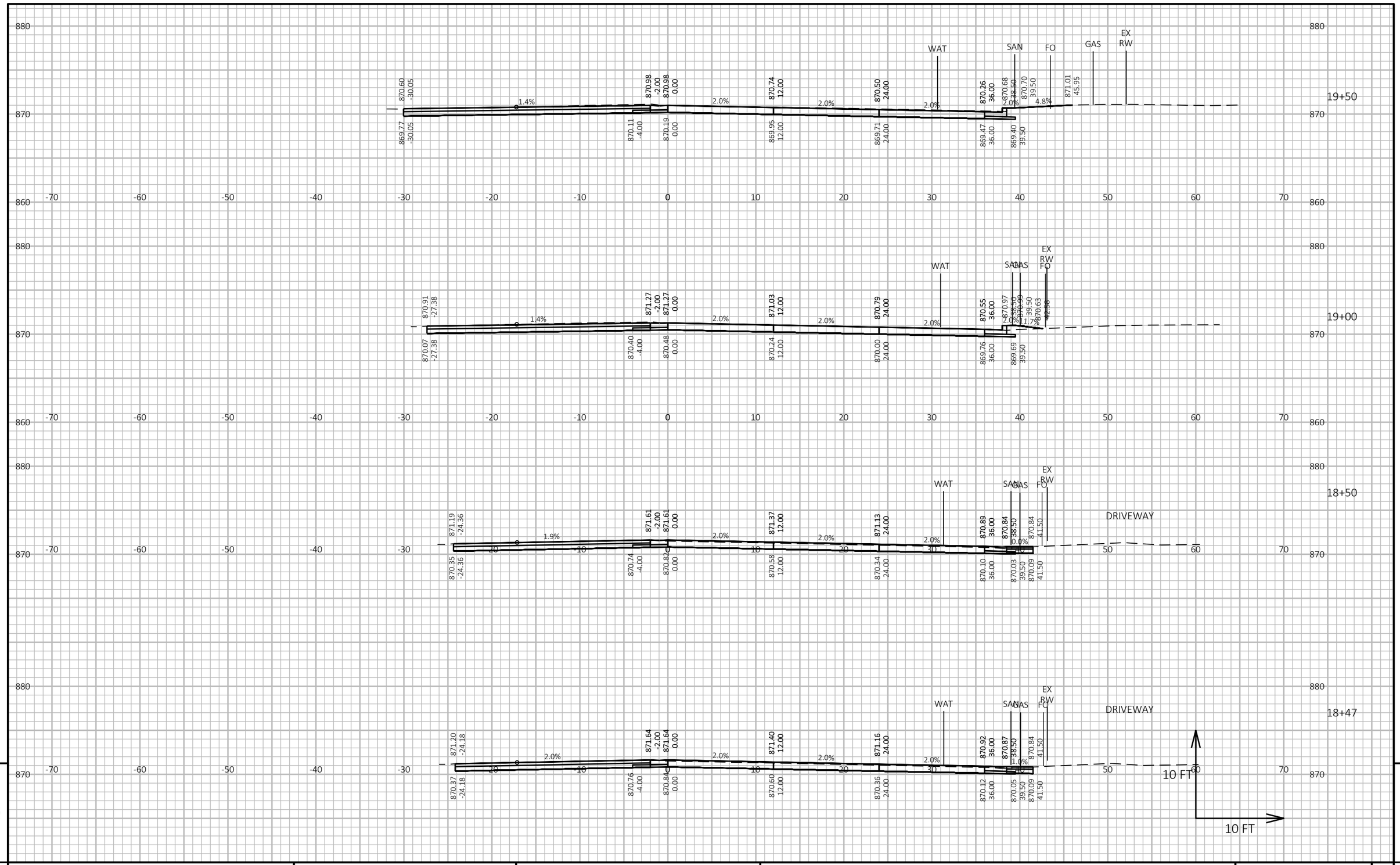
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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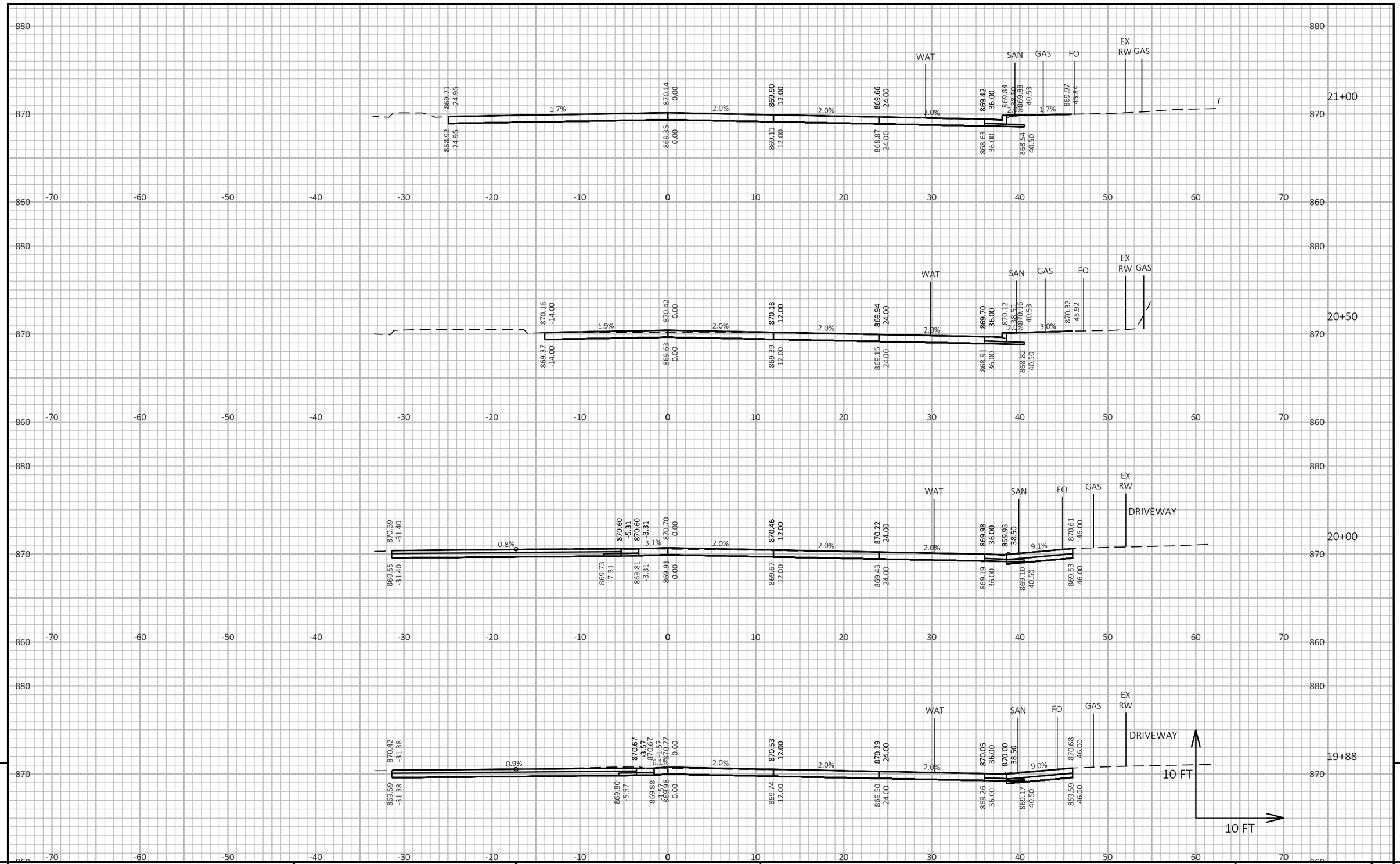
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 389	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

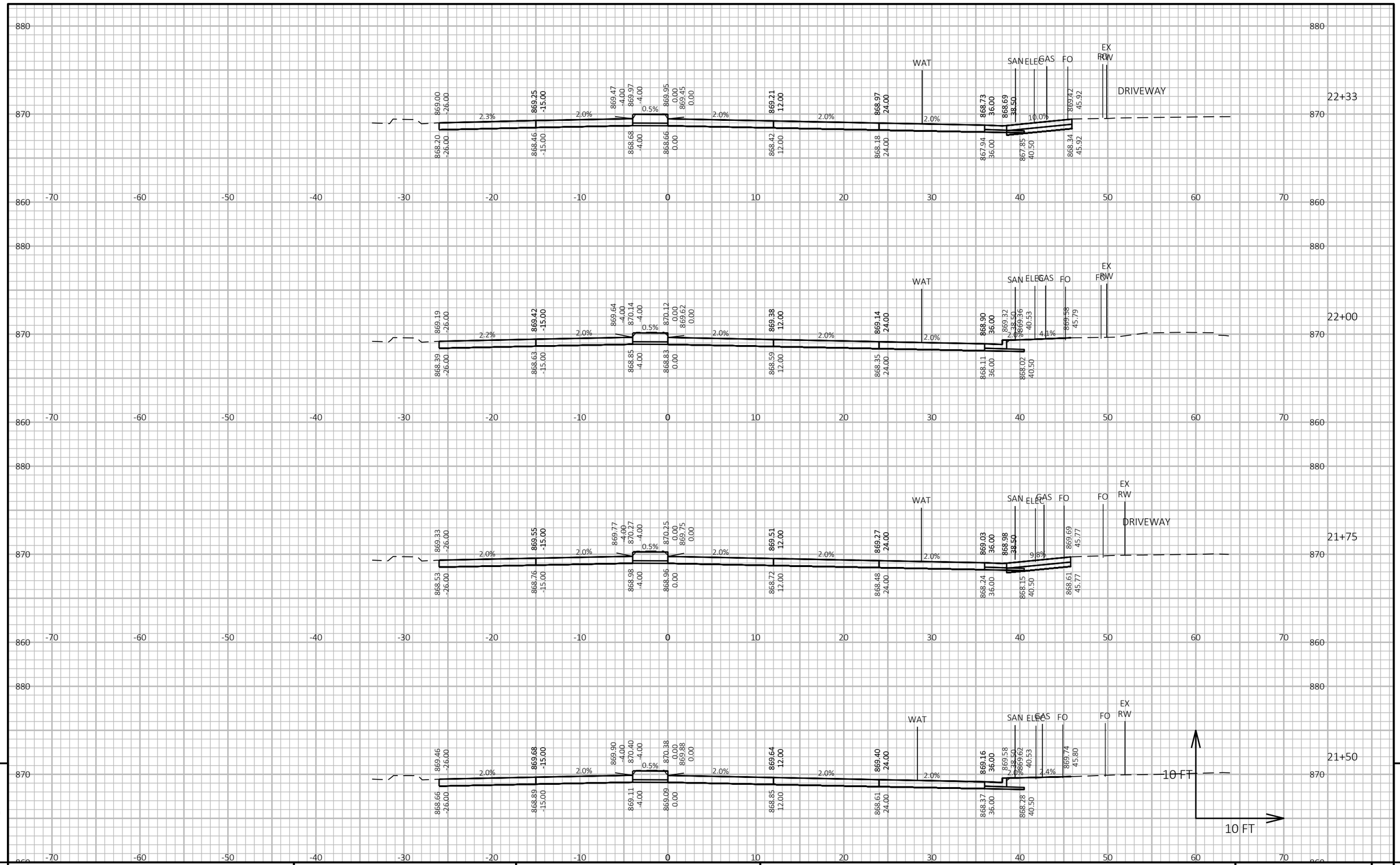
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 390	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-xs

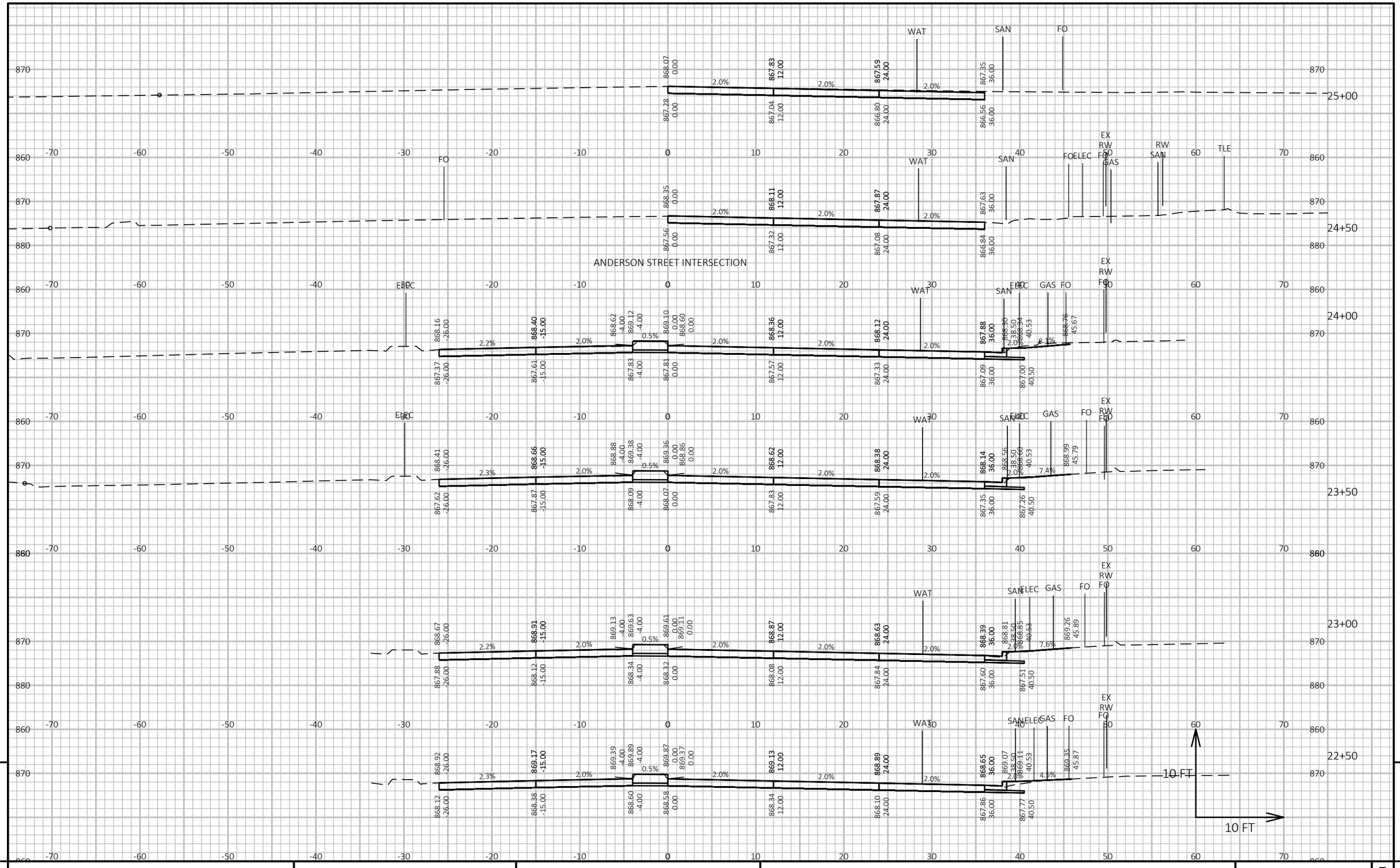
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 391	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

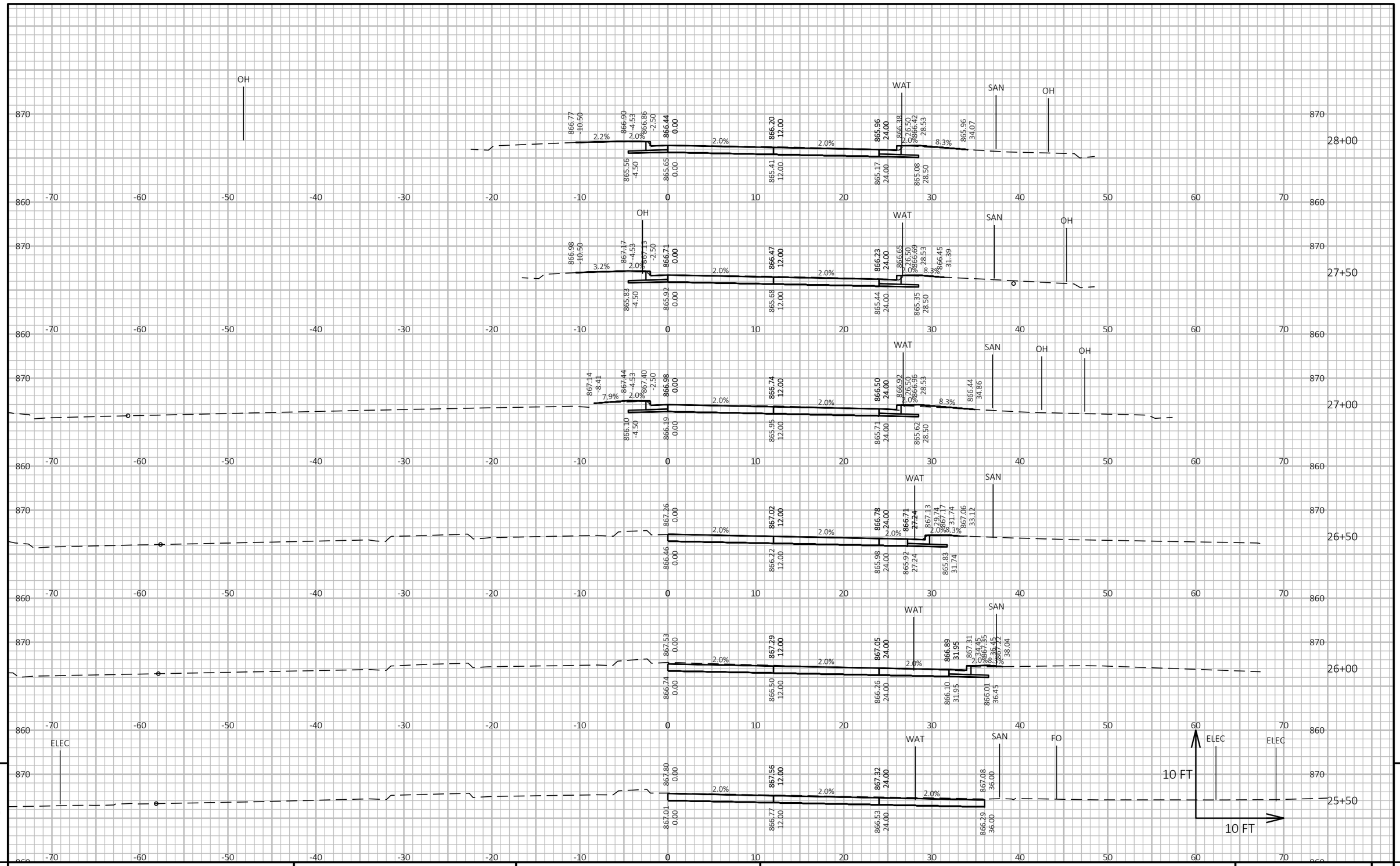
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 392	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

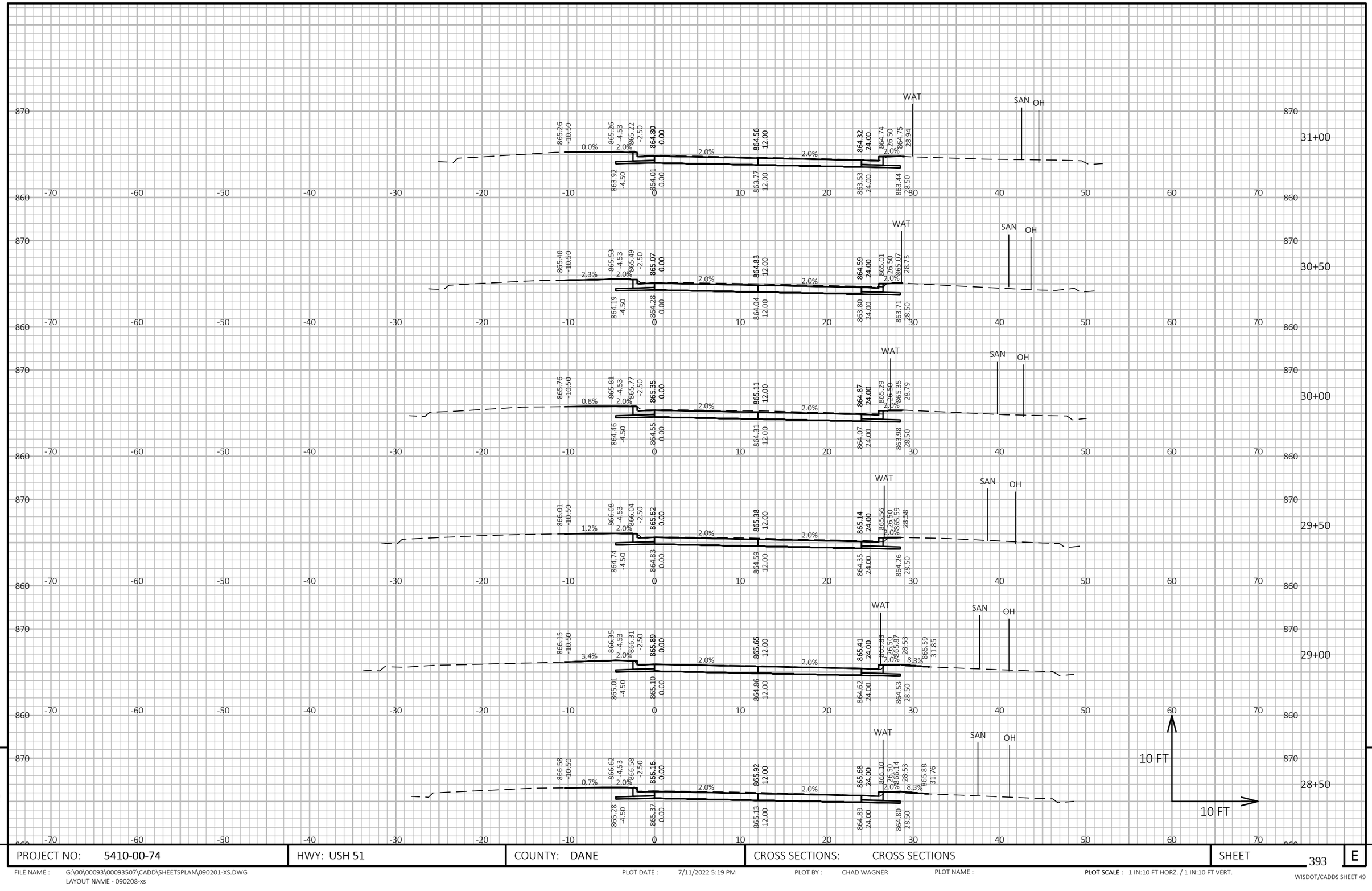
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 393	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090208-xs

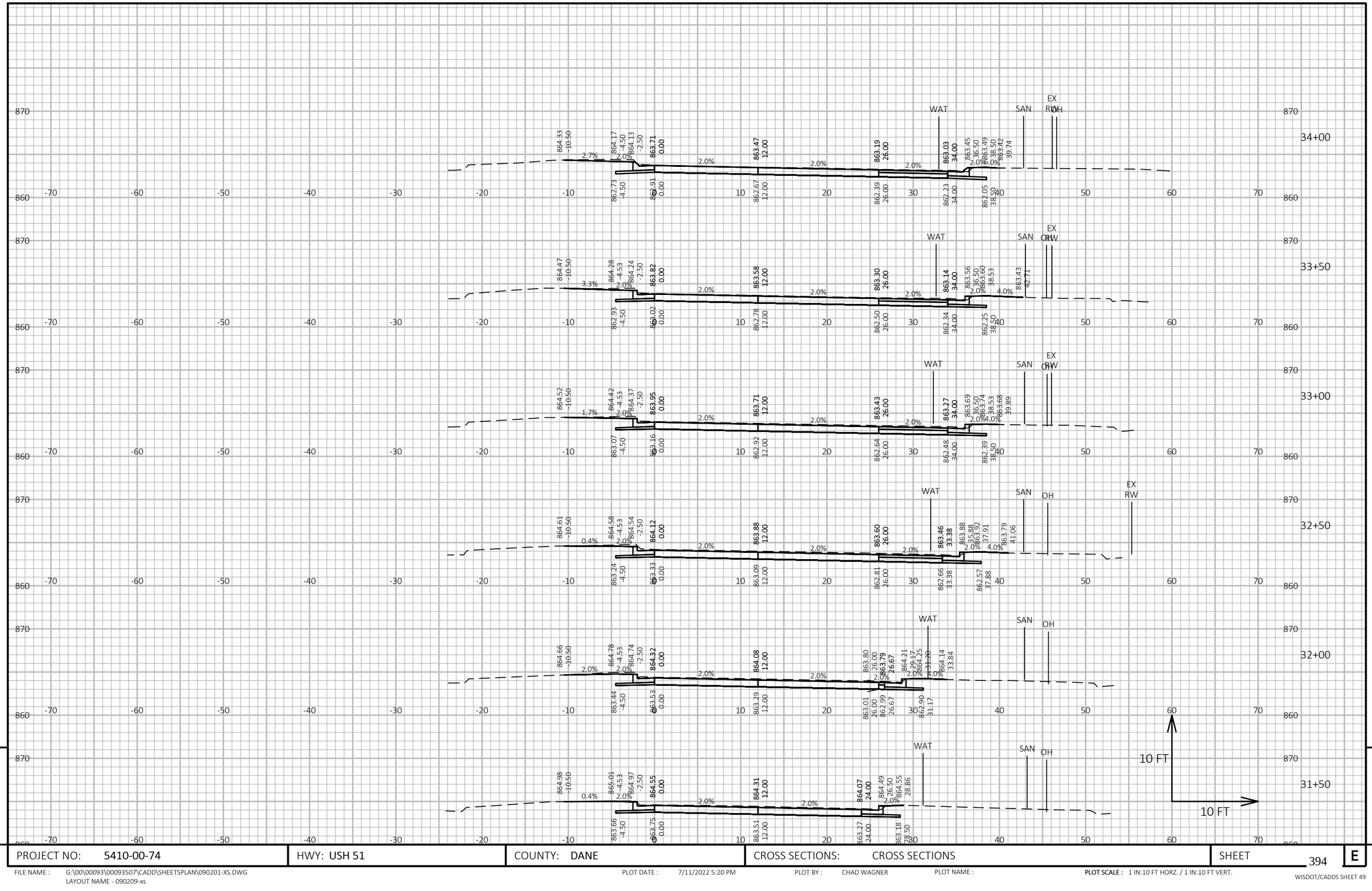
PLOT DATE : 7/11/2022 5:19 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 394	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-xs

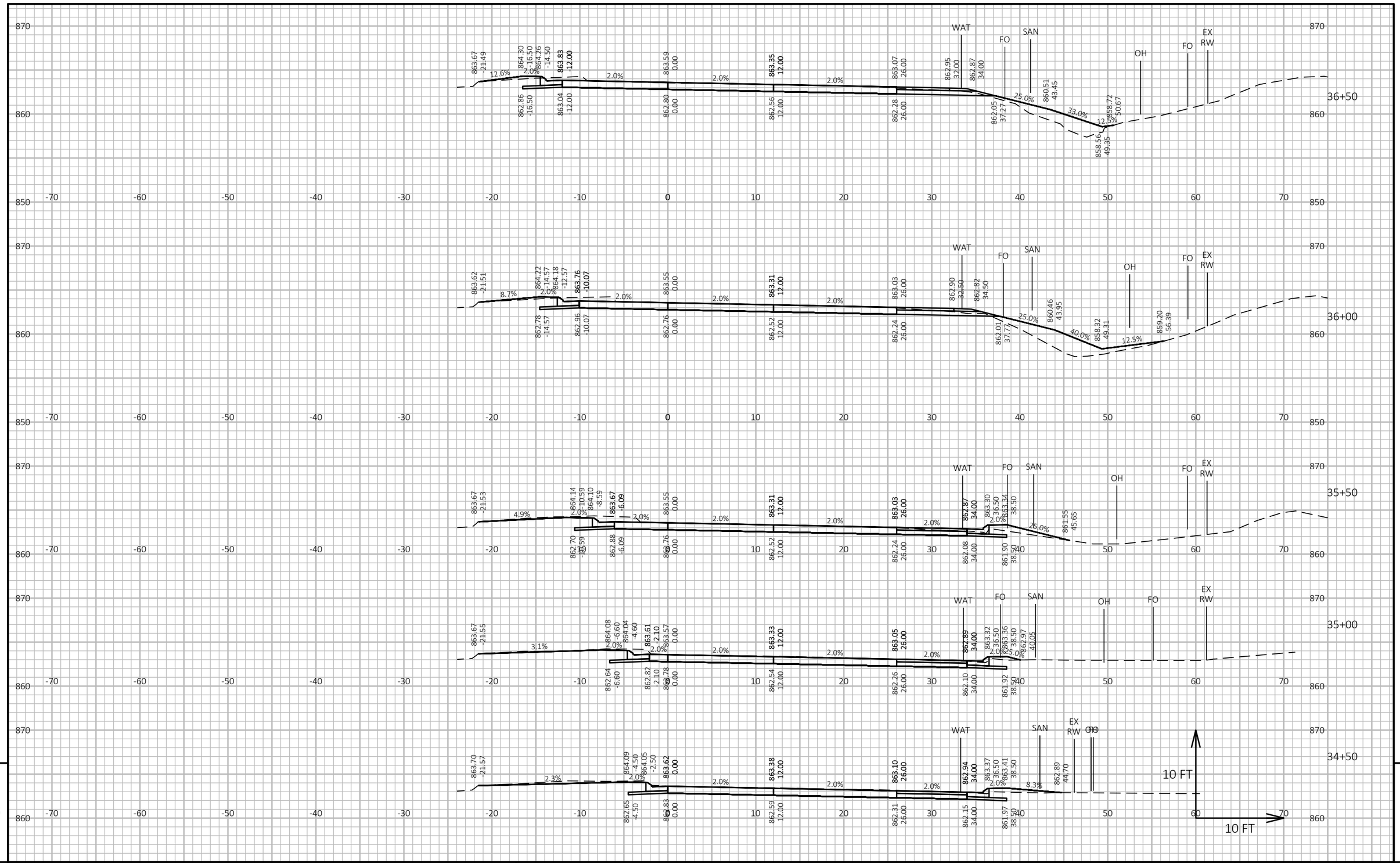
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 395	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-xs

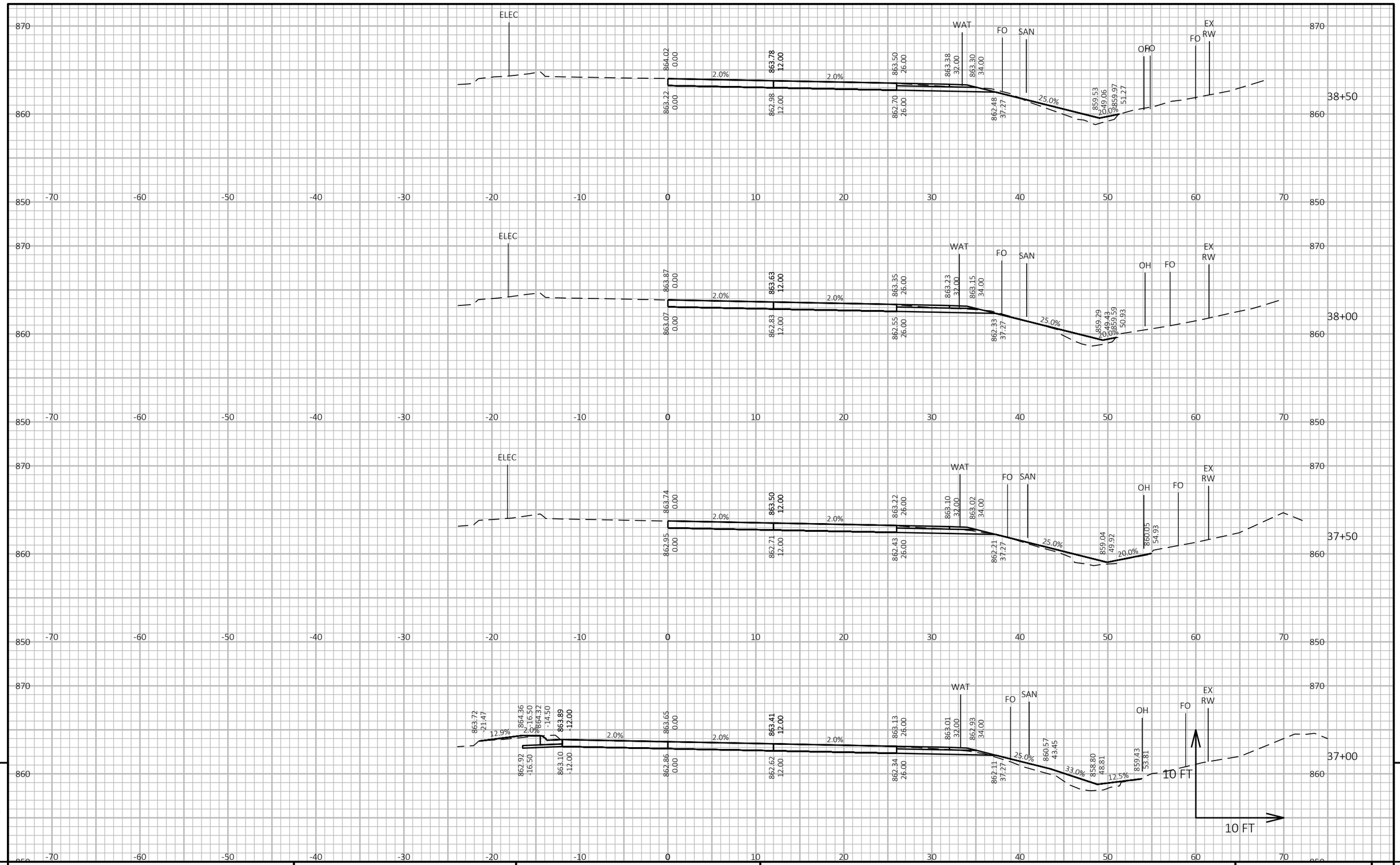
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 396 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs

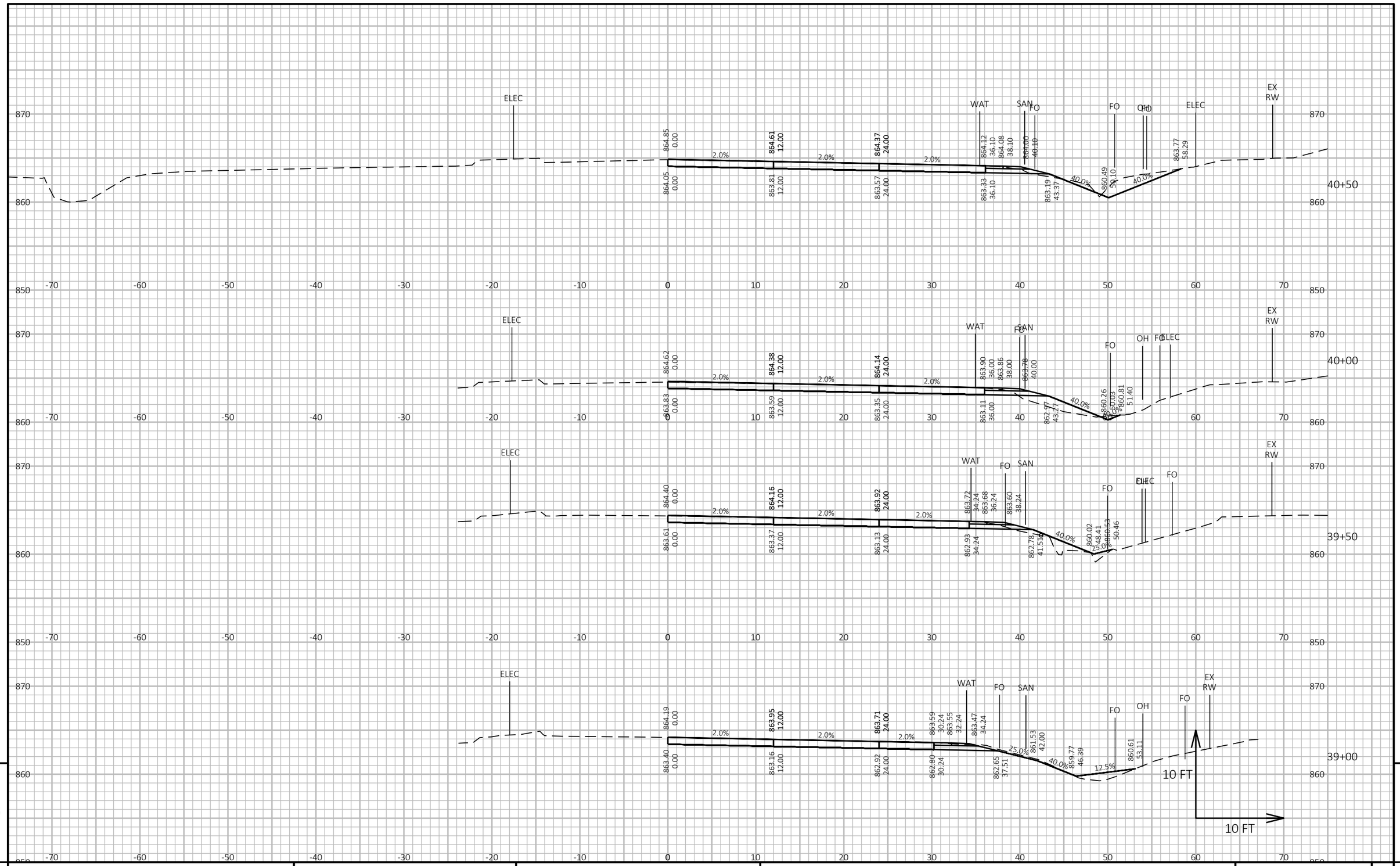
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 397 E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090212-xs

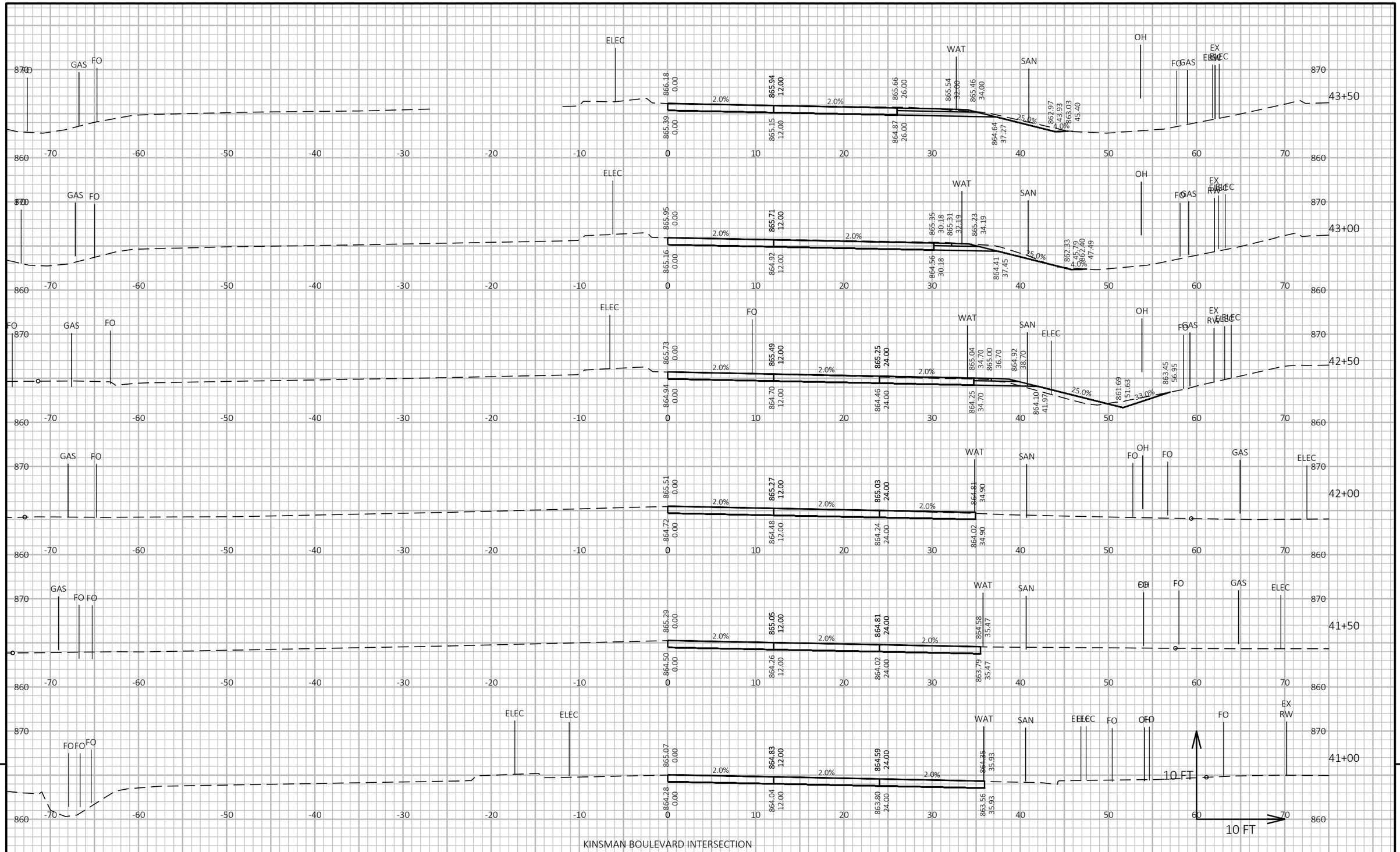
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

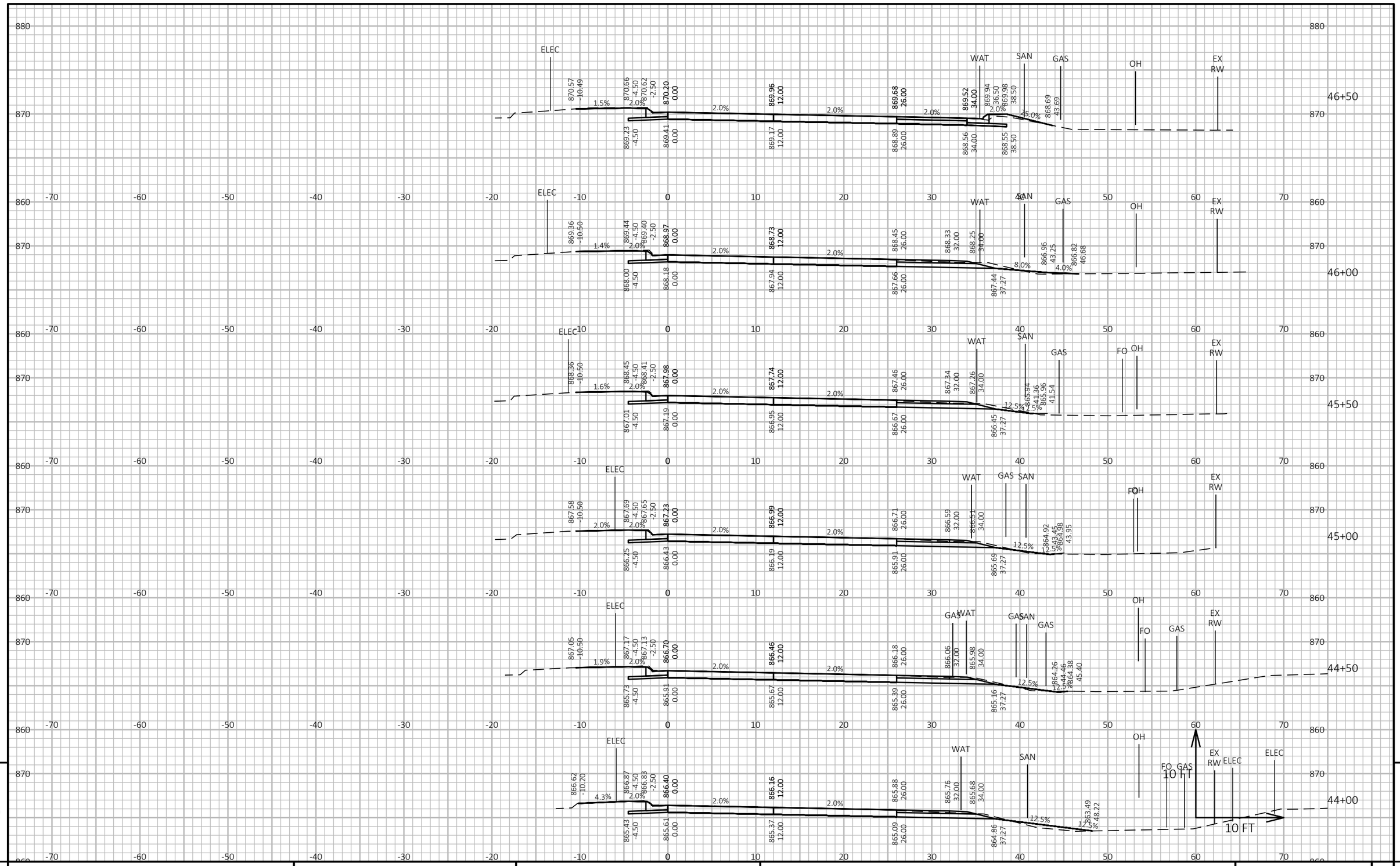


PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 398	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 7/11/2022 5:20 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 399	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090214-xs

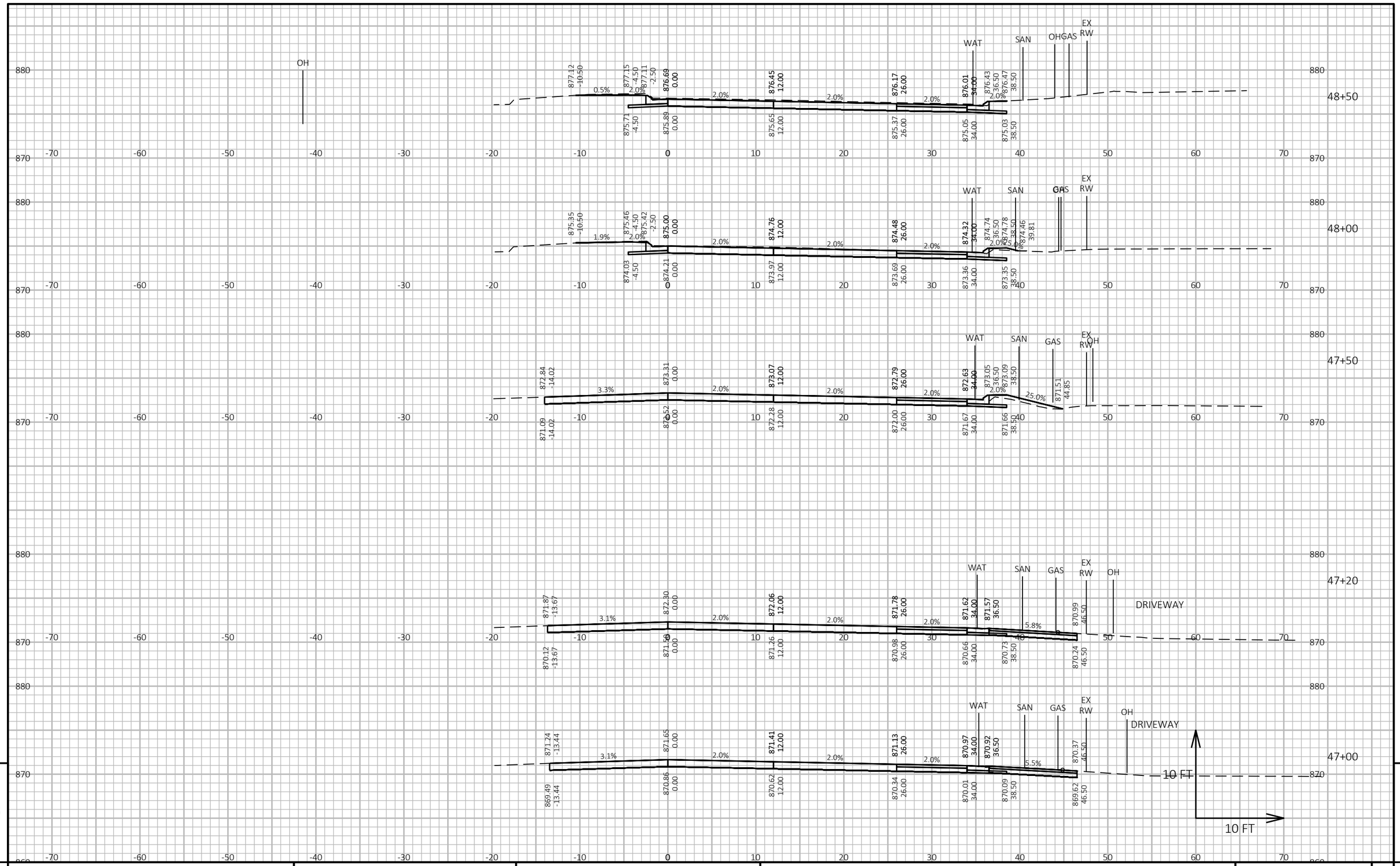
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 400	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090215-xs

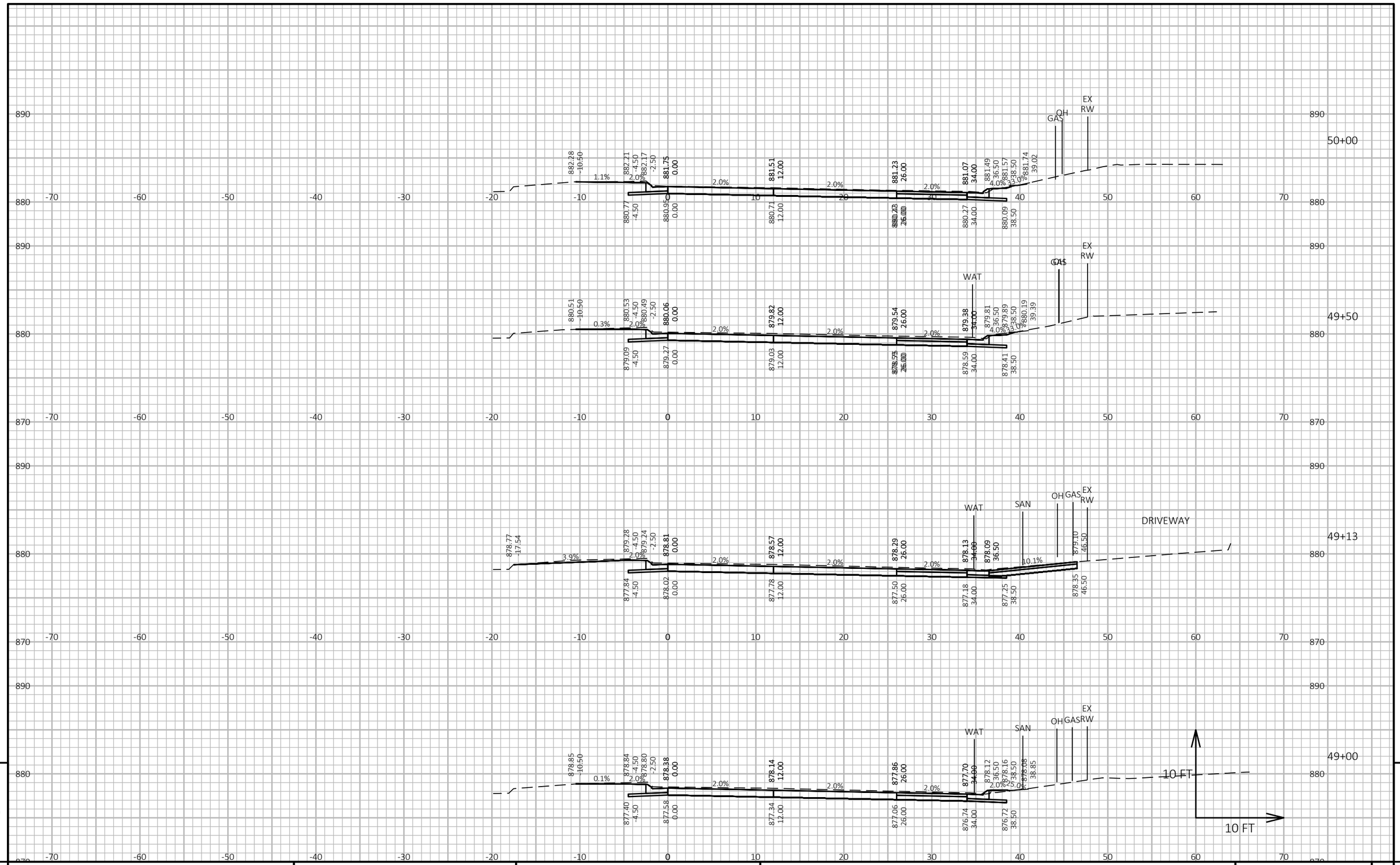
PLOT DATE : 7/11/2022 5:20 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 401	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090216-xs

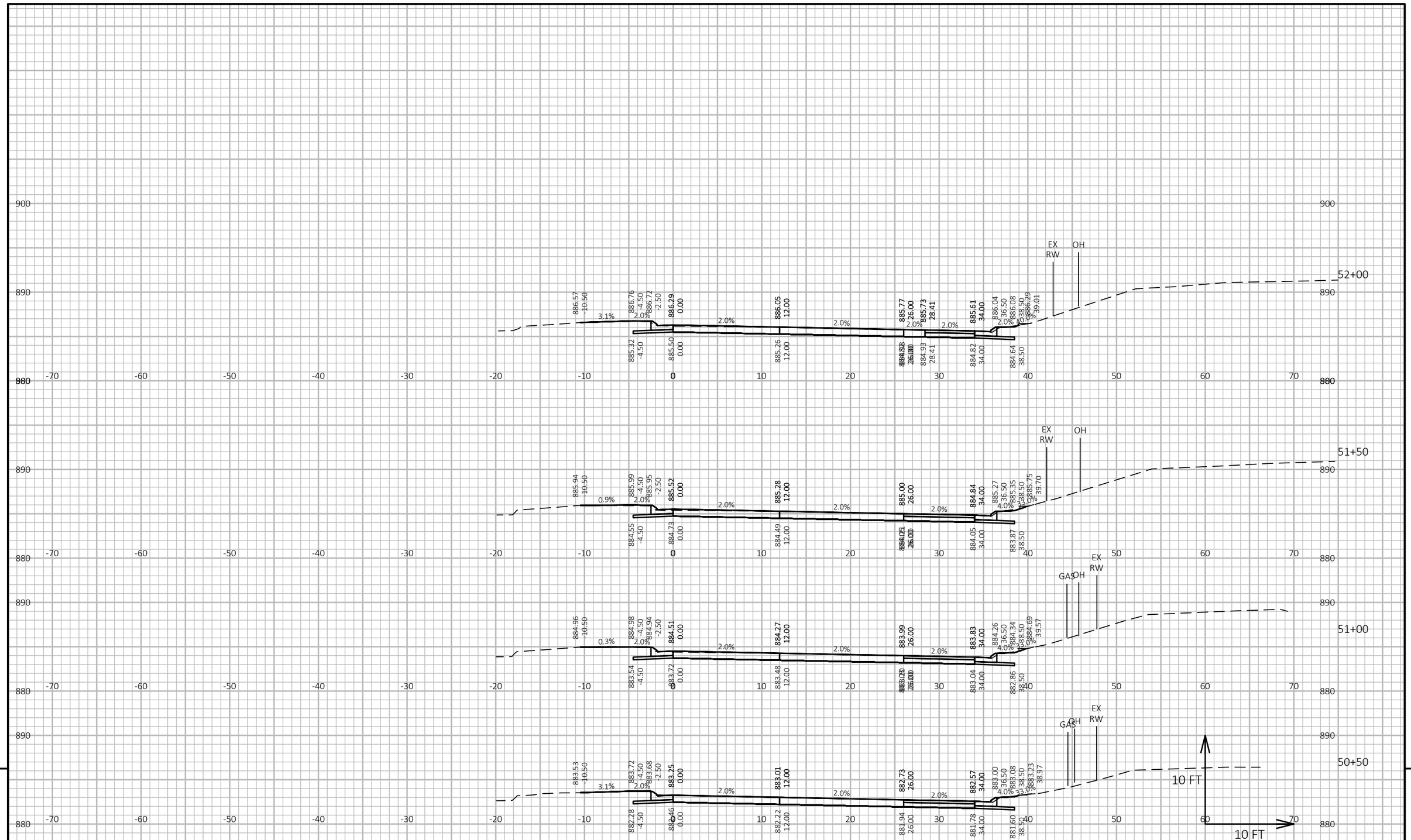
PLOT DATE : 7/11/2022 5:21 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 402	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 7/11/2022 5:21 PM

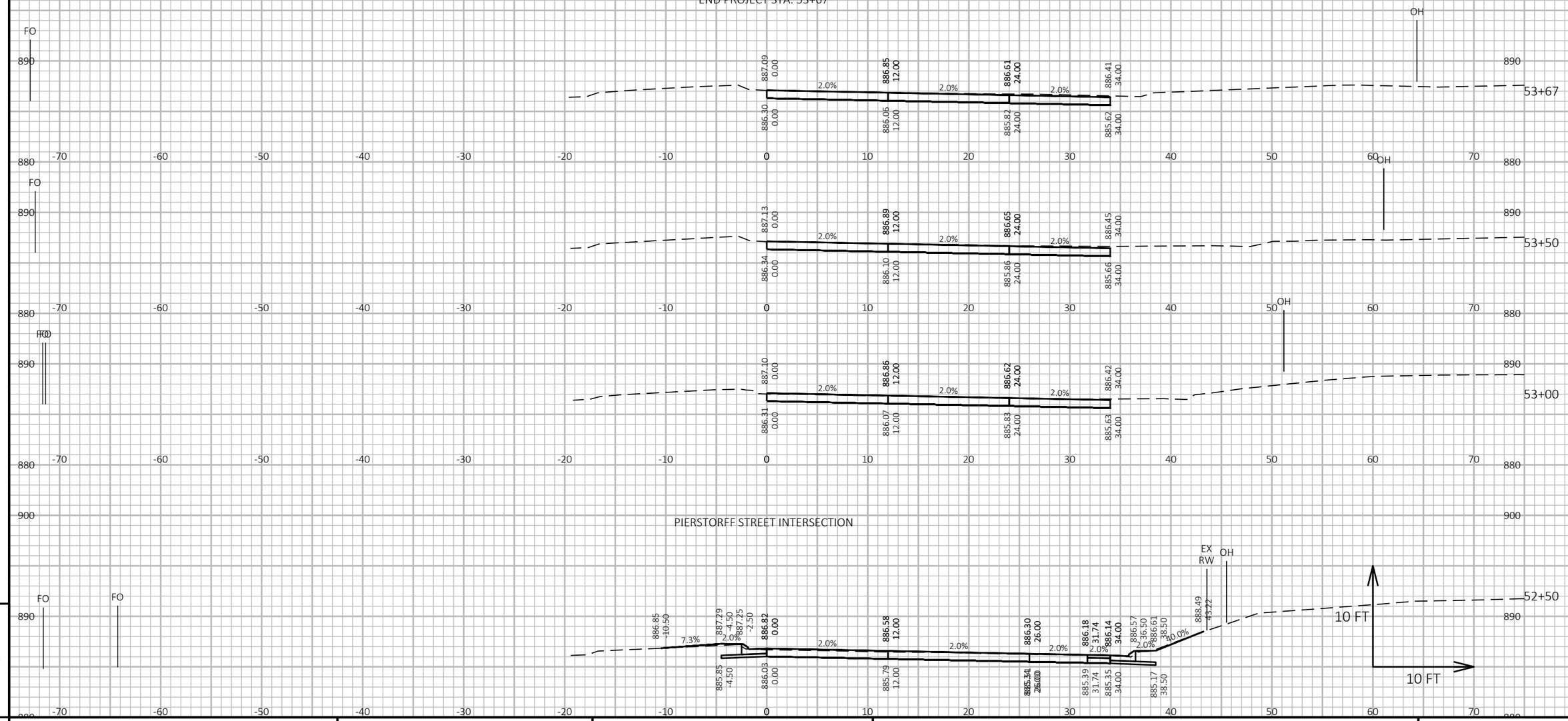
PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT STA. 53+67



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PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: CROSS SECTIONS	SHEET 403	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090218-xs

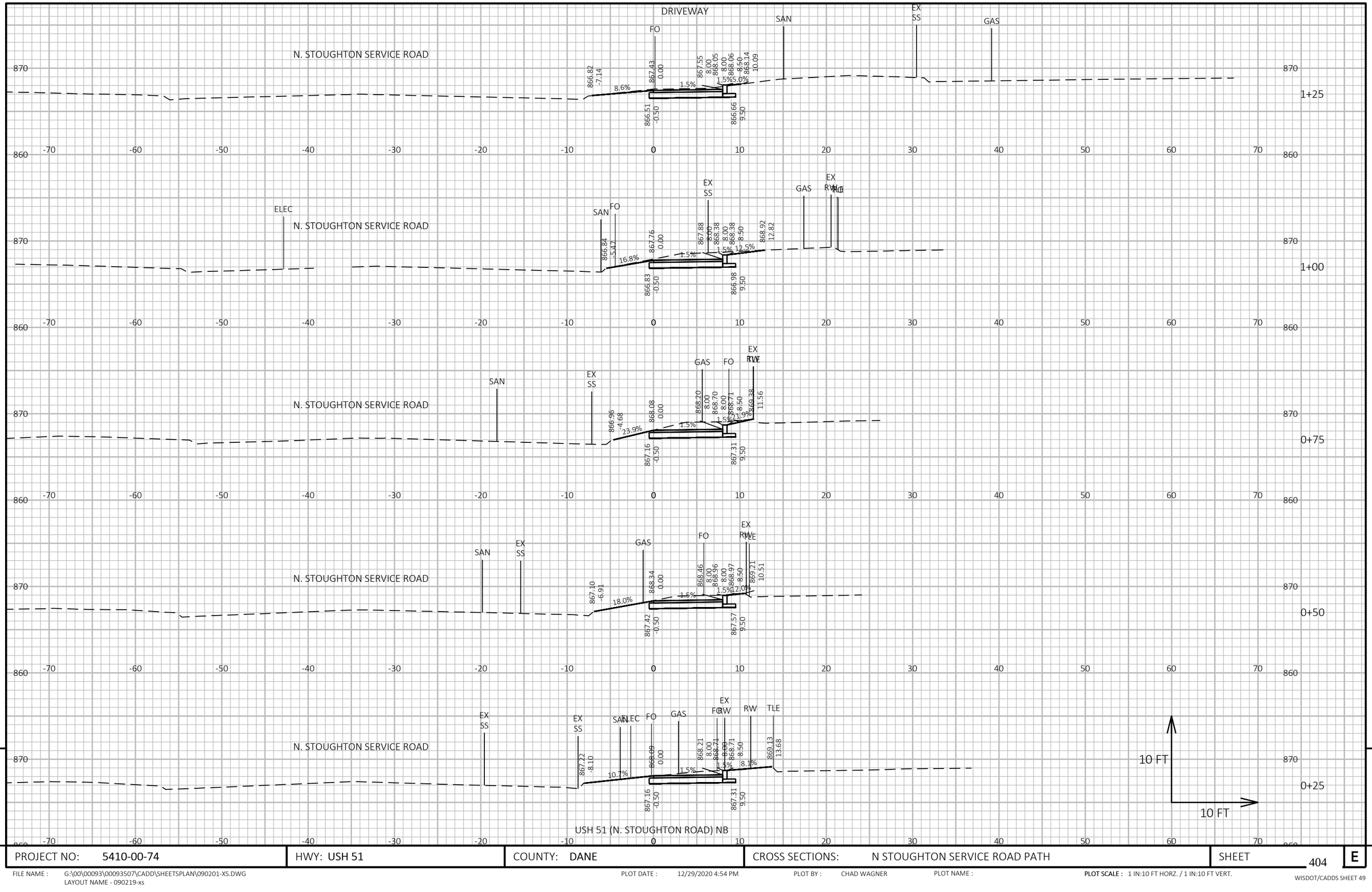
PLOT DATE : 7/11/2022 5:21 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 5410-00-74	HWY: USH 51	COUNTY: DANE	CROSS SECTIONS: N STOUGHTON SERVICE ROAD PATH	SHEET 404	E

FILE NAME : G:\00\00093\00093507\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 12/29/2020 4:54 PM PLOT BY : CHAD WAGNER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov