LAX

JANUARY 2025

PROJECT ID: 3700-10-64

WITH: 7575-01-65, 7575-01-76

COUNTY: LA CROSSE

ORDER OF SHEETS

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

TOTAL SHEETS = 78

N

DESIGN DESIGNATION

A.A.D.T.	2026	=	42,500
A.A.D.T.	2046	=	42,500
D.H.V.		=	2046
D.D.		=	55/45
T		=	4.7%
DESIGN SPEED		=	25
ESALS		=	3,300,000

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
- 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

LA CROSSE - SPARTA

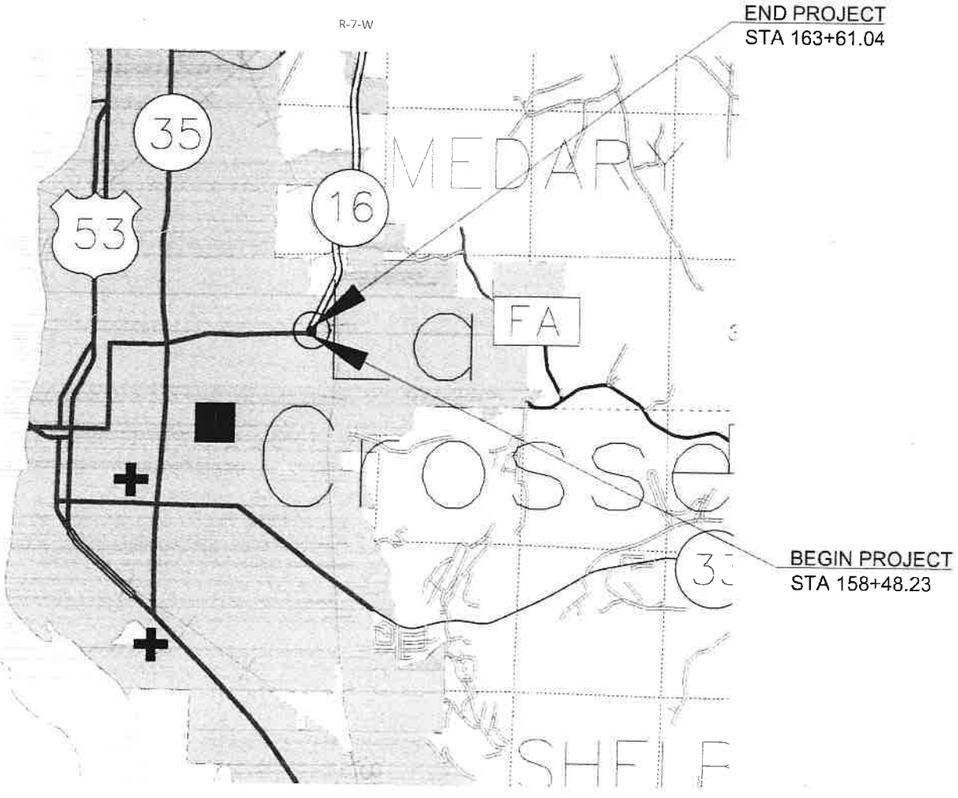
LOSEY BLV TO STH 157

STH 16

LA CROSSE COUNTY

STATE PROJECT NUMBER
3700-10-64

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3700-10-64		



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ACCEPTED FOR

CITY OF LA CROSSE

Date 7/29/24 Deputy Dir. Engineering Public Works (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

WISCONSIN JASON C. ISAACSON E-44251-6 CHIPPEWA FALLS WI PROFESSIONAL ENGINEER

DATE: 7/29/2024 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CBS SQUARED INC
Designer	CBS SQUARED INC
Project Manager	JOHN BAINTER
Regional Examiner	SW REGION
Regional Supervisor	JOHN BAINTER

APPROVED FOR THE DEPARTMENT

DATE: 7/29/2024 (Signature)

E

FILE NAME : T:\LACRC\21001 TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\010101_TI.DWG

PLOT DATE : 7/29/2024 3:53 AM PLOT BY : JASON ISAACSON PLOT NAME :

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
DNR SERVICE CENTER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9115
ATTENTION: KAREN KALVELAGE
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORTATION
SOUTHWEST REGION
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9729
ATTENTION: JOHN BAINTER
EMAIL: JOHN.BAINTER@DOT.WI.GOV

DESIGN CONTACT:

CBS SQUARED INC.
770 TECHNOLOGY WAY, SUITE 1A
CHIPPEWA FALLS, WI 54729
TELEPHONE: 715.861.5226
ATTENTION: JASON ISAACSON
EMAIL: JISAACSON@CBSSQUAREDINC.COM

CITY OF LA CROSSE CONTACT:

CITY OF LA CROSSE
400 LA CROSSE ST
LA CROSSE, WI 54601
TELEPHONE: 608-789-7505
ATTENTION: STEPHANIE SWARD
EMAIL: SWARDS@CITYOFLACROSSE.COM

GENERAL NOTES:

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
3. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
6. ADDITIONAL INFORMATION INCLUDED IN PLANS FOR PROJECT 7575-01-76.

UTILITY CONTACT LIST:

DIEGO TOBIAS
BCE NEXXIA - COMMUNICATIONS LINE
1821 WALDEN OFFICE SQUARE, SUITE 400
SCHAUMBURG, IL 60173
(416)970-7893
PUCC.CIRCULATIONS.GT@BELL.CA

BRIAN STELPLUGH
BRIGHTSPEED OF WISCONSIN, LLC - COMMUNICATION LINE
1905 WARD AVENUE S
LA CROSSE, WI 54601
(980)376-1557
BRIAN.STELPLUGH@BRIGHTSPEED.COM

ANDREW DELEEUW
SPECTRUM - COMMUNICATION LINE
1228 12TH AVE S
ONALASKA, WI 54650
(715) 519-0033
ANDREW.DELEEUW@CHARTER.COM

LUKE SCHIPPER
CITY OF LA CROSSE - SEWER
905 HOUSKA PARK DRIVE
LA CROSSE, WI 54601
(608) 789-7324
SCHIPPERL@CITYOFLACROSSE.ORG

MICHAEL LYDON
DAIRYLAND POWER COOPERATIVE - ELECTRICITY
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 787-1381
MICHAEL.LYDON@DAIRYLANDPOWER.COM

PETE MEDINGER
LA CROSSE WATER UTILITY - WATER
MYRIC PUMPHOUSE, 800 EAST AVE N
LA CROSSE, WI 54601
(608) 789-7384
MEDINGERPE@CITYOFLACROSSE.ORG

GLENN LEFEBVRE
METRONET - COMMUNICATION LINE
143 CAUSEWAY BLVD
LA CROSSE, WI 54601
(231)357-0823
GLENN.LEFEBVRE@METRONET.COM

BRIAN JOHNSON
NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
1120 CENTRE POINTE, STE 400
MENDOTA HEIGHTS, MN 55120
(651)456-1718
BRIAN.JOHNSON@NNGCO.COM

LORI KETTER
WINDSTREAM KDL & WINDSTREAM NTI, LLC - COMMUNICATION LINE
969 WAUBE LANE
GREEN BAY, WI 54302-3526
(920) 410-6902
LORI.KETTER@WINDSTREAM.COM

MITCHELL DIEGER
XCEL ENERGY - ELECTRICITY-TRANSMISSION
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
(612)321-3109
MITCHELL.A.DIENGER@XCELENERGY.COM

LAURA JORSTAD
XCEL ENERGY - ELECTRICITY
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3628
LAURA.JORSTAD@XCELENERGY.COM

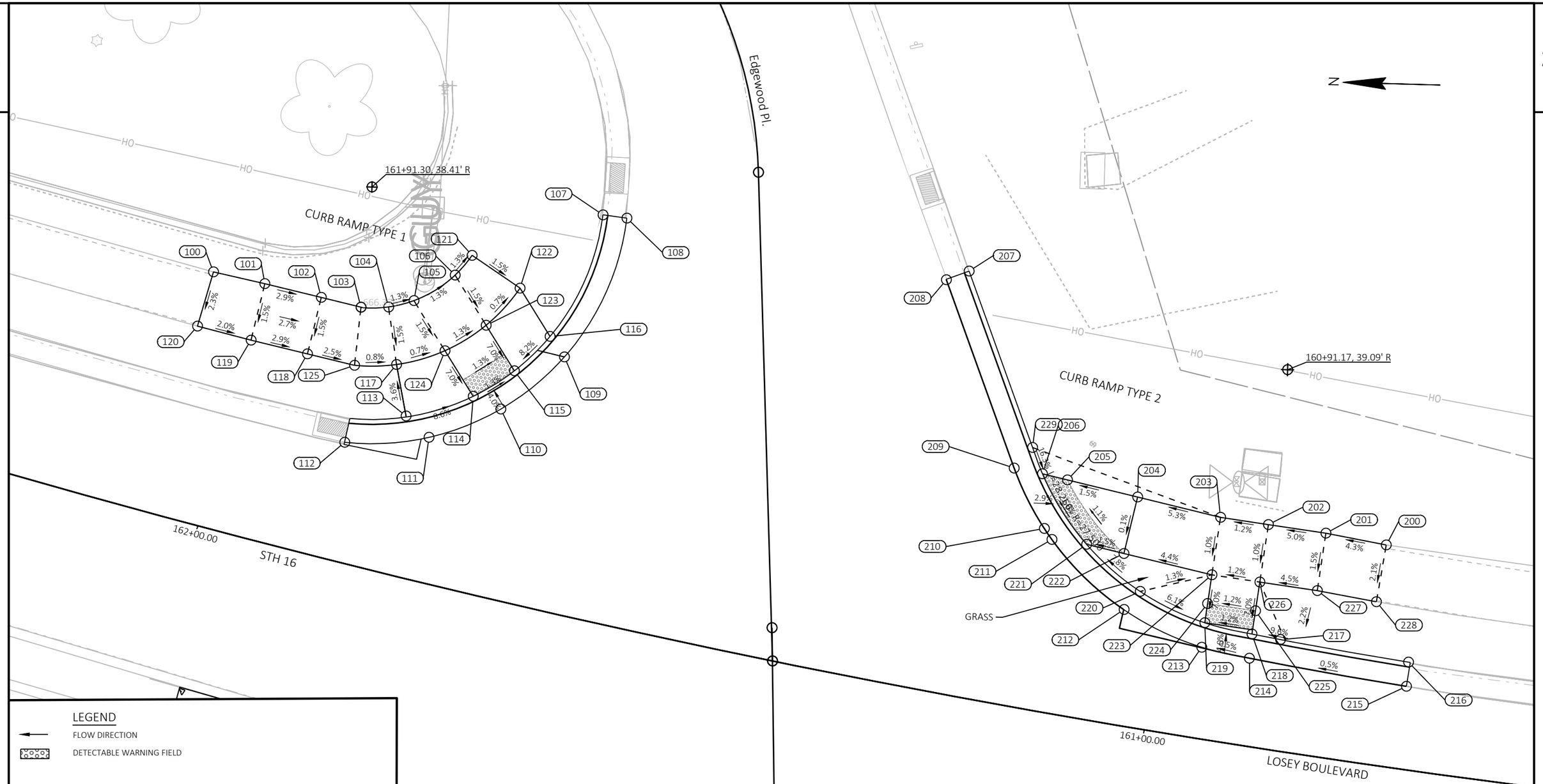
ERIN MILLER
XCEL ENERGY - GAS/PETROLEUM
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3681
ERIN.J.MILLER@XCELENERGY.COM

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 1.0 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.05ACRES

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



LEGEND

FLOW DIRECTION

DETECTABLE WARNING FIELD

NOTES:

1. SEE PROJECT ID 7575-01-76 PLANS FOR TYPICAL SECTIONS AND PAVEMENT DETAILS.
2. PAVEMENT CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
5. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.
6. ALL SIDEWALK SHOWN IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED.

PROJECT NO: 3700-10-64	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS	SHEET 3	E

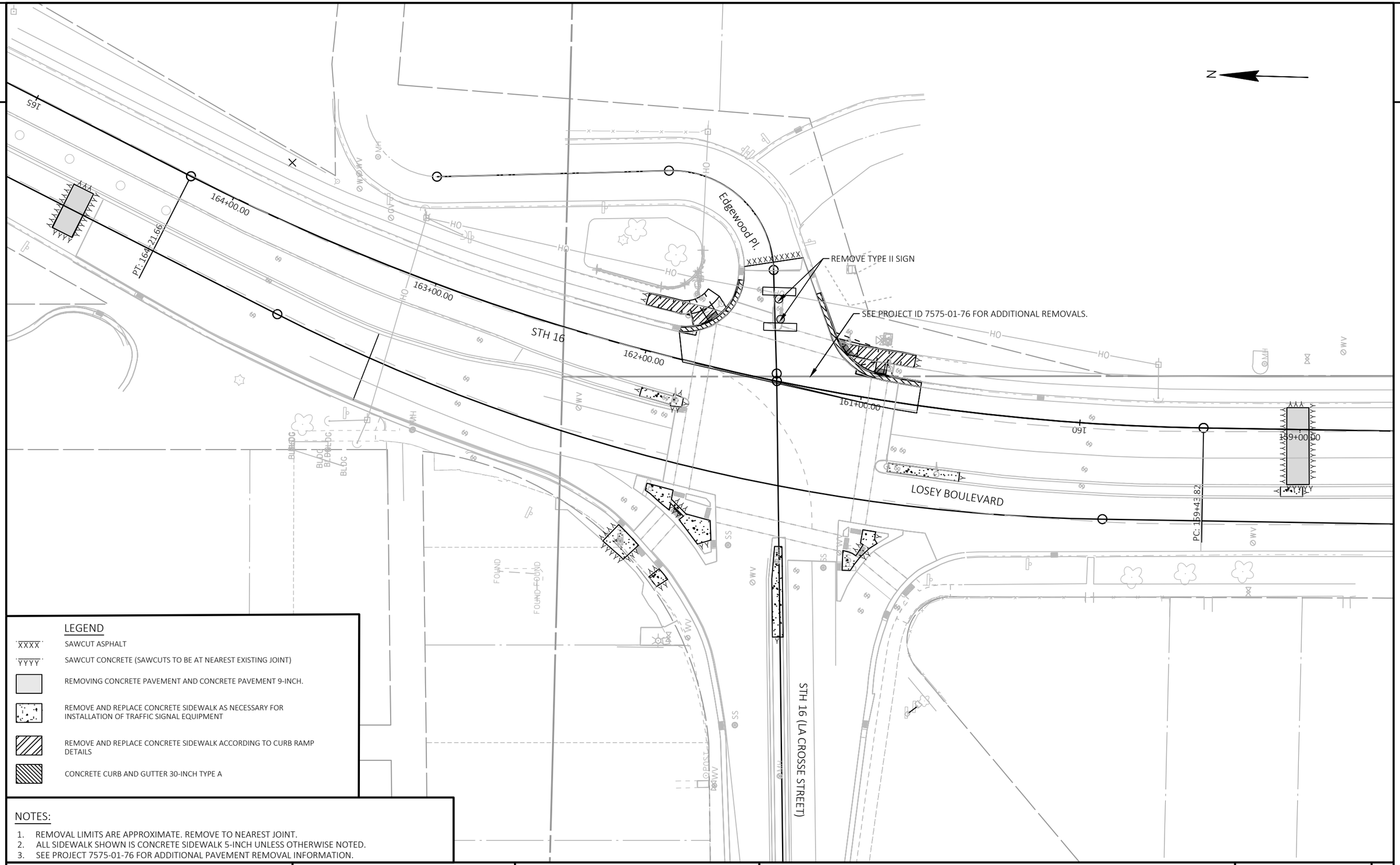
FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\021301_CR.DWG
LAYOUT NAME - 021301_cr

PLOT DATE : 12/2/2024 2:13 PM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

NE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	162+05.30	25.74' R	666.83	134100.95	453764.22
101	161+99.73	25.95' R	666.67	134095.62	453763.16
102	161+93.58	26.05' R	666.50	134089.75	453761.91
103	161+89.25	26.10' R	666.38	134085.62	453761.02
104	161+86.42	26.82' R	666.34	134082.78	453761.12
105	161+83.98	28.09' R	666.30	134080.18	453761.85
106	161+80.39	31.67' R	666.24	134076.01	453764.61
107	161+66.50	41.27' R	665.70	134060.93	453771.26
108	161+63.91	41.49' R	665.28	134058.44	453770.99
109	161+67.07	26.09' R	665.78	134064.48	453756.49
110	161+72.35	19.34' R	665.88	134070.89	453750.92
111	161+78.99	14.76' R	665.98	134078.22	453747.79
112	161+87.41	12.17' R	666.19	134086.90	453747.03
113	161+81.86	16.34' R	666.25	134080.66	453749.93
114	161+75.49	19.95' R	665.82	134073.78	453752.15
115	161+71.89	23.50' R	665.76	134069.61	453754.91
116	161+69.05	27.80' R	666.18	134066.02	453758.56
117	161+84.13	21.25' R	666.43	134081.78	453755.21
118	161+93.49	20.05' R	666.41	134091.01	453756.04
119	161+99.61	19.95' R	666.58	134096.87	453757.30
120	162+05.43	19.91' R	666.70	134102.44	453758.58
121	161+79.13	34.07' R	666.20	134074.32	453766.70
122	161+73.34	31.95' R	666.11	134069.27	453763.46
123	161+75.92	27.40' R	666.14	134072.66	453759.52
124	161+79.52	23.83' R	666.21	134076.83	453756.77
125	161+88.40	20.11' R	666.28	134086.12	453754.99

SE CURB RAMP					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	160+78.00	22.72' R	666.64	133979.10	453739.53
201	160+84.49	23.00' R	666.37	133985.37	453740.55
202	160+90.62	22.98' R	666.07	133991.33	453741.27
203	160+95.73	22.93' R	666.01	133996.29	453741.87
204	161+04.72	23.60' R	665.54	134004.90	453743.73
205	161+12.33	24.10' R	665.43	134012.20	453745.29
206	161+15.05	24.26' R	665.39	134014.80	453745.85
207	161+26.72	43.44' R	665.69	134022.98	453766.55
208	161+28.93	42.12' R	665.26	134025.29	453765.59
209	161+18.10	24.32' R	665.45	134017.73	453746.35
210	161+13.83	18.73' R	665.52	134014.44	453740.20
211	161+12.85	17.76' R	665.53	134013.63	453739.09
212	161+04.14	11.92' R	665.63	134005.98	453732.09
213	160+95.50	9.39' R	665.68	133997.84	453728.42
214	160+90.42	9.04' R	665.71	133992.89	453727.42
215	160+73.81	8.56' R	665.79	133976.60	453724.99
216	160+73.95	11.06' R	666.21	133976.46	453727.49
217	160+87.51	11.44' R	666.08	133989.74	453729.44
218	160+90.54	11.55' R	665.63	133992.70	453729.92
219	160+95.60	11.93' R	665.60	133997.61	453730.95
220	161+02.79	14.03' R	666.05	134004.36	453733.99
221	161+09.17	17.89' R	665.48	134010.04	453738.70
222	161+05.15	17.62' R	665.54	134006.16	453737.86
223	160+95.66	16.93' R	665.95	133997.01	453735.92
224	160+95.63	13.93' R	665.74	133997.37	453732.94
225	160+90.56	13.98' R	665.80	133992.41	453732.34
226	160+90.58	16.98' R	666.01	133992.05	453735.32
227	160+84.48	17.00' R	666.28	133986.09	453734.60
228	160+78.17	16.76' R	666.52	133979.96	453733.63
229	161+16.58	26.74' R	665.85	134015.90	453748.53

2



LEGEND

- XXXX — SAWCUT ASPHALT
- YYYY — SAWCUT CONCRETE (SAWCUTS TO BE AT NEAREST EXISTING JOINT)
- REMOVING CONCRETE PAVEMENT AND CONCRETE PAVEMENT 9-INCH.
- REMOVE AND REPLACE CONCRETE SIDEWALK AS NECESSARY FOR INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT
- REMOVE AND REPLACE CONCRETE SIDEWALK ACCORDING TO CURB RAMP DETAILS
- CONCRETE CURB AND GUTTER 30-INCH TYPE A

NOTES:

1. REMOVAL LIMITS ARE APPROXIMATE. REMOVE TO NEAREST JOINT.
2. ALL SIDEWALK SHOWN IS CONCRETE SIDEWALK 5-INCH UNLESS OTHERWISE NOTED.
3. SEE PROJECT 7575-01-76 FOR ADDITIONAL PAVEMENT REMOVAL INFORMATION.

PROJECT NO: 3700-10-64	HWY: STH 16	COUNTY: LA CROSSE	REMOVAL DETAILS	SHEET 5	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\021101-RM.DWG
LAYOUT NAME - 021101_rm
PLOT DATE : 12/2/2024 2:13 PM
PLOT BY : JASON ISAACSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. REMOVE AND SALVAGE SIGNS MOUNTED ON TROMBONE ARMS ON SB4, SB9, SB13 AND SB16 TO BE REINSTALLED ON MONOTUBE ARMS.
5. PULL BOXES PB5, PB9, PB15 AND PB18 WILL HAVE ALL TRAFFIC SIGNAL WIRE REMOVED AND BE ABANDONED IN PLACE.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.

N

Edgewood Pl.

STH 16

Losey Blvd.

STH 16 (La Crosse St.)

PT: 164+21.66

PT: 163+77.91

PC: 159+43.82

PC: 159+88.61

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15 PB16 PB17 PB18 PB19 PB20 PB21 PB22 PB23 PB24

SB1 SB2 SB3 SB4 SB5 SB6 SB7 SB8 SB9 SB10 SB11 SB12 SB13 SB14 SB15 SB16

CB1

ABANDON

- PULL BOX
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PAGE 01 OF 01

PROJECT NO: 3700-10-64	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 6	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024201-SR.DWG
LAYOUT NAME - 024201-sr

PLOT DATE : 7/29/2024 3:58 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

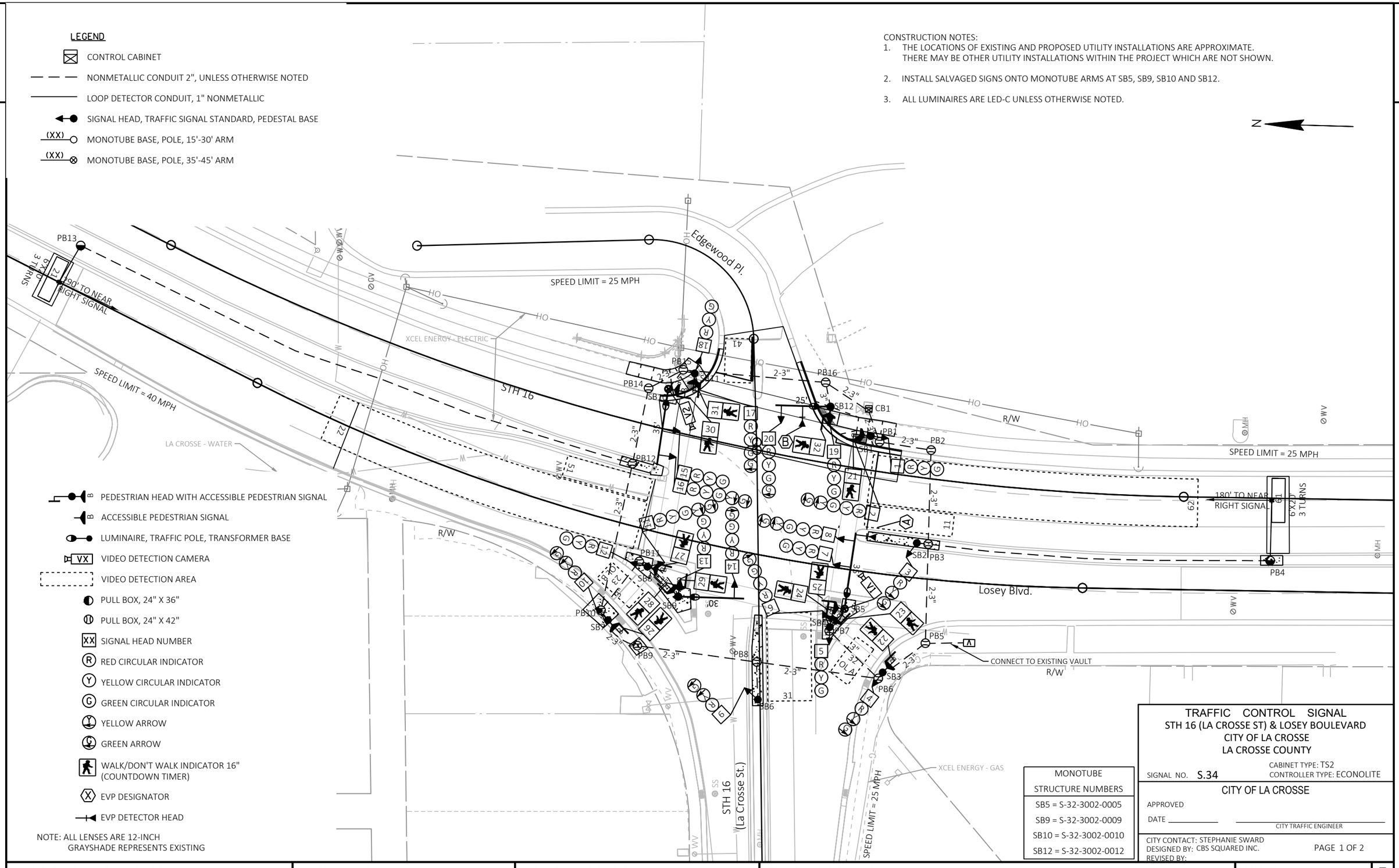
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. INSTALL SALVAGED SIGNS ONTO MONOTUBE ARMS AT SB5, SB9, SB10 AND SB12.
3. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

N



- PEDESTRIAN HEAD WITH ACCESSIBLE PEDESTRIAN SIGNAL
- ACCESSIBLE PEDESTRIAN SIGNAL
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- VX VIDEO DETECTION CAMERA
- VIDEO DETECTION AREA
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS
SB5 = S-32-3002-0005
SB9 = S-32-3002-0009
SB10 = S-32-3002-0010
SB12 = S-32-3002-0012

TRAFFIC CONTROL SIGNAL

STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34
CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE

CITY OF LA CROSSE

APPROVED

DATE _____ _____
CITY TRAFFIC ENGINEER

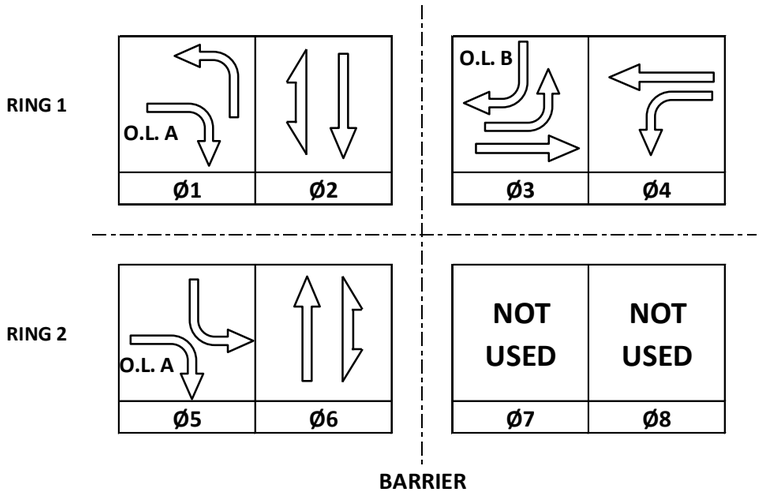
CITY CONTACT: STEPHANIE SWARD
DESIGNED BY: CBS SQUARED INC.
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 3700-10-64	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN	SHEET	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-sp
PLOT DATE : 7/29/2024 3:58 AM
PLOT BY : JASON ISAACSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	11,16	R ←
Ø2	8,13	R
Ø3	5,17,19,20	R ←
Ø4	6,13,14,18	R
Ø5	2,8	R ←
Ø6	1,17	R
Ø7		
Ø8		
Ø2P	22,23,24,29	
Ø3P	21,25	
Ø4P	26,27,28,30	
Ø6P	31,32	
OLA	3,4	-
OLB	9,10	-
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	↑	→		
PHASE	6 + 1	8		

AFTER PREEMPTION SEQUENCE 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 8, CONTROLLER SHALL RETURN TO PHASES 2+6.

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21	61						
CALLED PHASE	2	6						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29	DETECTOR INPUT
23	11	51	32					PLAN LOOP DETECTOR*(S)
2	1	5	3					CALLED PHASE
X	X	X	X					CALL OPTION
X			X					DELAY TIME
X	X	X	X					EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
	6	2						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
31	22	62	41					PLAN LOOP DETECTOR*(S)
3	2	6	4					CALLED PHASE
X	X	X	X					CALL OPTION
			X					DELAY TIME
X	X	X	X					EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

GENERAL NOTES:

1. PROGRAMMED FLASH IS Y-R.
2. ACCESSIBLE PEDESTRIAN BUTTONS.

STH 16 (La Crosse St) & Losey Boulevard
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: S.34 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/2024 PAGE NUMBER: 2 OF 2

FILE NAME: T:\LACRC\21001 - Traffic Signal Design\Traffic\STH 16 & Losey Boulevard\SOO\STH 16_Losey_SEQ.xlsx PLOT DATE: 7/29/2024 PLOT NAME: STH 16_Losey_SEQ.xlsx PLOT BY: _____ PLOT SCALE: 1:1

2

PROJECT ID:	3700-10-64
INTERSECTION:	STH 16 (La Crosse Street) & Losey Boulevard

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	PHASE	SIGNAL INDICATION WIRE COLOR									PED BUTTON	
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	15	1	6	RED	ORG	GRN								
		2	2 & 5	RED/BLK	ORG/BLK	GRN/BLK		RED/WHT	GRN/WHT					
		21	3								BLK	BLU		
		BUTTON	3										WHT/BLK	BLU/BLK
SB2	7	3	1 & 3	RED				ORG	GRN					
SB3	12	4	1 & 3	RED				ORG	GRN					
		22	2								BLK	BLU		
		BUTTON	2										WHT/BLK	BLU/BLK
SB4	21	5	3	RED	ORG	GRN								
		6	4	RED/BLK	ORG/BLK	BLK/WHT			GRN/BLK					
		23	2								BLK	BLU		
		24	2								GRN/WHT	RED/WHT		
		BUTTON	2										WHT/BLK	BLU/BLK
		BUTTON	2										BLK/RED	WHT/RED
SB5	12	7	2	RED	ORG	GRN								
		8	2 & 5	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		25	3								BLK	BLU		
		BUTTON	3										WHT/BLK	BLU/BLK
SB6	7	9	2	RED				ORG	GRN					
SB7	12	10	2 & 3	RED				ORG	GRN					
		26	4								BLK	BLU		
		BUTTON	4										WHT/BLK	BLU/BLK
SB8	21	11	1 & 6	RED	ORG	GRN		RED/BLK	GRN/BLK					
		12	2	RED/WHT	ORG/BLK	GRN/WHT								
		27	4								BLK	BLU		
		28	4								GRN/WHT	RED/WHT		
		BUTTON	4										WHT/BLK	BLU/BLK
		BUTTON	4										BLK/WHT	BLU/WHT
SB9	12	13	4	RED	ORG	GRN								
		14	4	RED	ORG	GRN			GRN/BLK					
		29	2								BLK	BLU		
		BUTTON	2										WHT/BLK	BLU/BLK
SB10	12	15	6	RED	ORG	GRN								
		16	1 & 6	RED	ORG	GRN		ORG/BLK	GRN/BLK					
		30	4								BLK	BLU		
		BUTTON	4										WHT/BLK	BLU/BLK
SB11	12	17	3	RED	ORG	GRN			GRN/BLK					
		18	4	RED/BLK	ORG/BLK	GRN/WHT								
		31	6								BLK	BLU		
		BUTTON	6										WHT/BLK	BLU/BLK
SB12	12	19	3	RED	ORG	GRN								
		20	3	RED	ORG	GRN								
		32	6								BLK	BLU		
		BUTTON	6										WHT/BLK	WHT/BLK

2

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB3	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB7	SB10
SB10	SB11
SB11	SB12
SB12	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	SB1
PB2	SB1
PB3	SB2
PB5	SB3
PB6	SB3
PB7	SB4
PB8	SB6
PB9	SB7
PB10	SB7
PB11	SB8
PB12	SB11
PB14	SB11
PB15	SB11
PB16	SB12

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB5
SB5	SB9
CB1	SB12
SB12	SB10

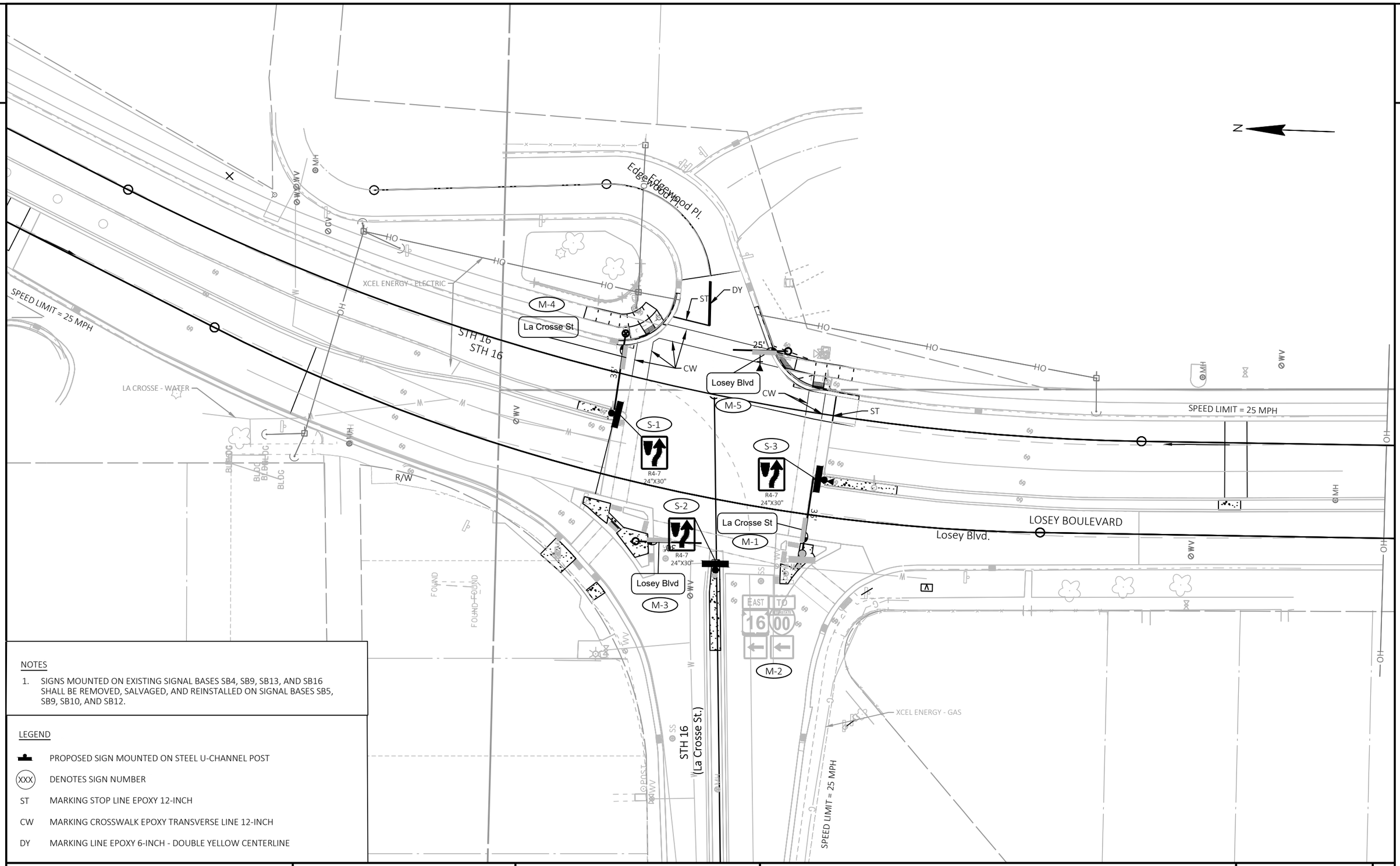
Emergency Vehicle Preemption	
From	To
CB1	SB5 (HEAD A)
CB1	SB12 (HEAD B)

Video Detection Cable	
From	To
CB1	SB5
CB1	SB10

*Use the white conductor in the cable assembly as the grounded conductor 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 bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
*Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

FILE NAME : N:\PDS\C3D\CAD\XXXXXXXX\SIG\SXX-XXXX\SXX-XXXX_cr.pptx PLOT DATE : 7/24/2024 PLOT BY : DOTCMV PLOT NAME : SXX-XXXX_cr.pdf PLOT SCALE : 1:1

2



NOTES

1. SIGNS MOUNTED ON EXISTING SIGNAL BASES SB4, SB9, SB13, AND SB16 SHALL BE REMOVED, SALVAGED, AND REINSTALLED ON SIGNAL BASES SB5, SB9, SB10, AND SB12.

LEGEND

	PROPOSED SIGN MOUNTED ON STEEL U-CHANNEL POST
XXX	DENOTES SIGN NUMBER
ST	MARKING STOP LINE EPOXY 12-INCH
CW	MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH
DY	MARKING LINE EPOXY 6-INCH - DOUBLE YELLOW CENTERLINE

PROJECT NO: 3700-10-64	HWY: STH 16	COUNTY: LA CROSSE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\023201-PS_PM.DWG
LAYOUT NAME - 023201-PS_PM
PLOT DATE : 7/29/2024 3:54 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

3700-10-64

Line	Item	Item Description	Unit	Total	Qty
0010	204.0100	Removing Concrete Pavement	SY	93.000	93.000
0024	204.0155	Removing Concrete Sidewalk	SY	162.000	162.000
0028	204.0195	Removing Concrete Bases	EACH	17.000	17.000
0036	213.0100	Finishing Roadway (project) 01. 3700-10-64	EACH	1.000	1.000
0048	415.0090	Concrete Pavement 9-Inch	SY	63.000	63.000
0126	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	107.000	107.000
0130	602.0410	Concrete Sidewalk 5-Inch	SF	1,441.000	1,441.000
0132	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	29.000	29.000
0134	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	18.000	18.000
0174	619.1000	Mobilization	EACH	0.030	0.030
0186	628.2006	Erosion Mat Urban Class I Type A	SY	14.000	14.000
0192	629.0210	Fertilizer Type B	CWT	0.100	0.100
0194	630.0140	Seeding Mixture No. 40	LB	1.000	1.000
0200	637.2210	Signs Type II Reflective H	SF	15.000	15.000
0202	638.2102	Moving Signs Type II	EACH	5.000	5.000
0204	638.2602	Removing Signs Type II	EACH	5.000	5.000
0218	643.0900	Traffic Control Signs	DAY	135.000	135.000
0242	643.5000	Traffic Control	EACH	0.330	0.330
0244	644.1430	Temporary Pedestrian Surface Plate	SF	91.000	91.000
0246	644.1601	Temporary Pedestrian Curb Ramp	DAY	60.000	60.000
0248	644.1605	Temporary Pedestrian Detectable Warning Field	SF	50.000	50.000
0250	644.1810	Temporary Pedestrian Barricade	LF	465.000	465.000
0254	646.2020	Marking Line Epoxy 6-Inch	LF	40.000	40.000
0268	646.6020	Marking Stop Line Epoxy 12-Inch	LF	17.000	17.000
0282	650.8501	Construction Staking Electrical Installations (project) 01. 3700-10-64	EACH	1.000	1.000
0284	650.9000	Construction Staking Curb Ramps	EACH	3.000	3.000
0286	650.9500	Construction Staking Sidewalk (project) 01. 3700-10-64	EACH	1.000	1.000
0288	650.9911	Construction Staking Supplemental Control (project) 01. 3700-10-64	EACH	1.000	1.000
0290	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	67.000	67.000
0292	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	408.000	408.000
0294	652.0605	Conduit Special 2-Inch	LF	317.000	317.000
0296	652.0615	Conduit Special 3-Inch	LF	834.000	834.000
0298	652.0800	Conduit Loop Detector	LF	196.000	196.000
0300	653.0140	Pull Boxes Steel 24x42-Inch	EACH	16.000	16.000
0304	653.0905	Removing Pull Boxes	EACH	13.000	13.000
0306	654.0101	Concrete Bases Type 1	EACH	8.000	8.000
0308	654.0110	Concrete Bases Type 10	EACH	2.000	2.000
0310	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000
0312	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0314	655.0230	Cable Traffic Signal 5-14 AWG	LF	526.000	526.000
0316	655.0240	Cable Traffic Signal 7-14 AWG	LF	718.000	718.000
0318	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,605.000	1,605.000
0320	655.0270	Cable Traffic Signal 15-14 AWG	LF	51.000	51.000
0322	655.0290	Cable Traffic Signal 21-14 AWG	LF	653.000	653.000
0324	655.0320	Cable Type UF 2-10 AWG Grounded	LF	782.000	782.000
0326	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	1,891.000	1,891.000
0328	655.0615	Electrical Wire Lighting 10 AWG	LF	576.000	576.000
0330	655.0700	Loop Detector Lead In Cable	LF	587.000	587.000
0332	655.0800	Loop Detector Wire	LF	608.000	608.000

Line	Item	Item Description	Unit	Total	Qty
0334	655.0900	Traffic Signal EVP Detector Cable	LF	389.000	389.000
0336	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STH 16, La Crosse St, & Losey Boulevard	EACH	1.000	1.000
0338	657.0100	Pedestal Bases	EACH	7.000	7.000
0340	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0342	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	5.000	5.000
0344	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000
0346	658.0174	Traffic Signal Face 4S 12-Inch	EACH	4.000	4.000
0348	658.0175	Traffic Signal Face 5S 12-Inch	EACH	4.000	4.000
0350	658.0416	Pedestrian Signal Face 16-Inch	EACH	12.000	12.000
0352	658.5070	Signal Mounting Hardware (location) 01. STH 16, La Crosse St, & Losey Boulevard	EACH	1.000	1.000
0354	659.1125	Luminaires Utility LED C	EACH	4.000	4.000
0356	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	36.000	36.000
0366	690.0150	Sawing Asphalt	LF	27.000	27.000
0368	690.0250	Sawing Concrete	LF	313.000	313.000
0384	SPV.0060	Special 20. Posts Steel U-Channel 14-FT	EACH	3.000	3.000
0386	SPV.0060	Special 21. Install V-LOC Post Anchors	EACH	3.000	3.000
0388	SPV.0060	Special 23. Remove and Salvage Traffic Signals	EACH	1.000	1.000
0390	SPV.0060	Special 24. Transport and Install Poles Type 10	EACH	2.000	2.000
0392	SPV.0060	Special 25. Transport and Install Poles Type 10 Special	EACH	2.000	2.000
0394	SPV.0060	Special 26. Transport and Install Monotube Arms 25-FT	EACH	1.000	1.000
0396	SPV.0060	Special 27. Transport and Install Monotube Arms 30-FT	EACH	1.000	1.000
0398	SPV.0060	Special 28. Transport and Install Monotube Arms 35-FT Special	EACH	2.000	2.000
0400	SPV.0060	Special 29. Transport and Install Luminaire Arms Steel 15-FT	EACH	4.000	4.000
0402	SPV.0060	Special 30. Transport and Install Traffic Signal Cabinet	EACH	1.000	1.000
0404	SPV.0060	Special 31. Remove, Salvage, and Reinstall Video Detection System	EACH	1.000	1.000
0406	SPV.0060	Special 32. Remove, Salvage and Reinstall EVP Equipment	EACH	1.000	1.000
0408	SPV.0060	Special 33. Disconnect, Salvage & Reinstall Traffic Signal Interconnect	EACH	1.000	1.000
0410	SPV.0060	Special 34. Transport & Install Audible Pedestrian Push Button System	EACH	1.000	1.000
0422	SPV.0090	Special 20. Marking Crosswalk Epoxy Transverse Line 12-Inch	LF	139.000	139.000

3

REMOVING CONCRETE

CAT 0010 STATION	TO	STATION	OFFSET	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0155 REMOVING CONCRETE SIDEWALK SY
158'EB'+95	-	159'EB'+06	LT/RT	39	-
158'EB'+98	-	159'EB'+08	LT	-	5
160'EB'+52	-	160'EB'+83	LT	-	15
160'EB'+74	-	161'EB'+29	RT	11	-
160'EB'+78	-	161'EB'+14	RT	-	30
160'EB'+83	-	160'EB'+97	LT	-	12
161'EB'+15	-	161'EB'+24	LT	-	21
161'EB'+42	-	161'EB'+47	RT	-	6
161'EB'+53	-	161'EB'+85	LT	-	24
161'EB'+64	-	161'EB'+87	RT	19	-
161'EB'+67	-	161'EB'+75	LT	-	4
161'EB'+71	-	162'EB'+05	RT	-	22
161'EB'+78	-	161'EB'+98	LT	-	9
161'EB'+82	-	161'EB'+97	LT	-	14
164'EB'+57	-	164'EB'+67	LT	24	-
		TOTAL		93	162

CONCRETE PAVEMENT

CAT 0010 STATION	TO	STATION	OFFSET	415.0090 CONCRETE PAVEMENT 9-INCH SY
158'EB'+95	-	159'EB'+06	LT/RT	39
164'EB'+57	-	164'EB'+67	LT	24
		TOTAL		63

CURB & GUTTER AND SIDEWALK

CAT 0010 STATION	TO	STATION	OFFSET	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A SF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF
158'EB'+98	-	159'EB'+08	LT	-	44	-	-
160'EB'+52	-	160'EB'+83	LT	-	134	-	-
160'EB'+78	-	161'EB'+14	RT	39	229	10	18
160'EB'+83	-	160'EB'+97	LT	-	106	9	-
161'EB'+15	-	161'EB'+24	LT	-	189	-	-
161'EB'+53	-	161'EB'+85	LT	-	213	-	-
161'EB'+67	-	161'EB'+75	LT	-	35	-	-
161'EB'+71	-	162'EB'+05	RT	68	281	10	-
161'EB'+78	-	161'EB'+98	LT	-	84	-	-
161'EB'+82	-	161'EB'+97	LT	-	126	-	-
		TOTAL		107	1441	29	18

SAWING

CAT 0010 STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
158'EB'+95	-	159'EB'+06	LT/RT	-	90
158'EB'+98	-	159'EB'+08	LT	-	9
160'EB'+52	-	160'EB'+83	LT	-	9
160'EB'+74	-	161'EB'+29	RT	-	5
160'EB'+78	-	161'EB'+14	RT	-	6
160'EB'+83	-	160'EB'+97	LT	-	18
161'EB'+15	-	161'EB'+24	LT	-	5
161'EB'+39	-	161'EB'+65	RT	27	-
161'EB'+53	-	161'EB'+85	LT	-	25
161'EB'+64	-	161'EB'+87	RT	-	5
161'EB'+67	-	161'EB'+75	LT	-	18
161'EB'+71	-	162'EB'+05	RT	-	6
161'EB'+78	-	161'EB'+98	LT	-	20
161'EB'+82	-	161'EB'+97	LT	-	33
164'EB'+57	-	164'EB'+67	LT	-	64
		TOTAL		27	313

PERMANENT SIGNING ITEMS

SIGN GROUP NUMBER	FUNDING CATEGORY	STATION	OFFSET	SIGN CODE	SIGN MESSAGE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2602 REMOVING SIGNS TYPE II EACH	SPV.0060.20 POSTS STEEL U-CHANNEL 14-FT EACH	SPV.0060.21 INSTALL V-LOC POST ANCHORS EACH
S-1	0010	160'EB'+84	29.3' LT	R4-7	KEEP RIGHT	24 X 30	5.00	1	1	1
S-2	0010	161'EB'+24	78.0' LT	R4-7	KEEP RIGHT	24 X 30	5.00	1	1	1
S-3	0010	161'EB'+82	18.5' LT	R4-7	KEEP RIGHT	24 X 30	5.00	1	1	1
-	0010	161'EB'+43	27.8' RT	R4-7	KEEP RIGHT	- X -	-	1	-	-
-	0010	161'EB'+46	36.5' RT	R4-7	KEEP RIGHT	- X -	-	1	-	-
						TOTAL	15.00	5	3	3

MOVING SIGNS

REMOVAL EXISTING BASE	REINSTALL PROPOSED BASE	SIGN MESSAGE	638.2102 MOVING SIGNS EACH
SB4	SB5	LA CROSSE ST	1
SB4	SB5	J3-2 - EAST STH 16/TO IH 90	1
SB9	SB9	LOSEY BLVD	1
SB13	SB10	LA CROSSE ST	1
SB16	SB12	LOSEY BLVD	1
		TOTAL	5

PAVEMENT MARKING ITEMS

CAT 0010 STATION	TO	STATION	OFFSET	646.2020 MARKING LINE EPOXY 6-INCH SOLID YELLOW LF	646.6020 MARKING STOP LINE EPOXY 12-INCH LF	SPV.0090.20 MARKING CROSSWALK EPOXY TRANSVERSE LINE 12-INCH LF
161'EB'+13	-	161'EB'+70	RT	-	-	103
161'EB'+48	-	161'EB'+65	RT	-	17	-
161'EB'+48	-	161'EB'+51	RT	40	-	-
161'EB'+70	-	161'EB'+77	RT	-	-	36
		TOTAL		40	17	139

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TEMPORARY PEDESTRIAN ACCOMMODATIONS

CAT 0010 STATION	TO	STATION	OFFSET	STAGE	643.0900 TRAFFIC CONTROL SIGNS DAY	644.1430 TEMPOPRARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
160'EB'+50	-	162'EB'+25	RT	A	80	56	50	40	305
160'EB'+50	-	162'EB'+25	LT	S3	55	35	10	10	160
		TOTAL			135	91	60	50	465

3

STAKING ITEMS

CAT 0010 STATION	TO	STATION	OFFSET	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (3700-10-64) EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500 CONSTRUCTION STAKING SIDEWALK (3700-10-64) EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (3700-10-64) EACH
158'EB'+95	-	164'EB'+67	LT/RT	1	3	1	1
		TOTAL		1	3	1	1

FILE NAME : N:\PDS\C3D\CAD\XXXXXXXX\SIG\SXX-XXXX\SXX-XXXX_mq.pptx PLOT DATE : 12/2/2024 PLOT BY : DOTCMV PLOT NAME : SXX-XXXX_mq.pdf PLOT SCALE : 1:1

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
CB1	1
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
TOTAL	17

REMOVING PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB12	1
PB13	1
PB14	1
PB16	1
PB17	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
PB24	1
TOTAL	13

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	652.0605 CONDUIT SPECIAL 2-INCH L.F.	652.0615 CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	32	--	--
PB1	SB1	5	--	--	--
PB1	PB2	--	48	--	--
PB2	PB3	--	--	--	88
PB3	SB2	6	--	--	--
PB3	PB4	--	--	154	--
PB3	PB5	--	--	--	88
PB5	PB6	--	--	--	54
PB5	Vault	15	--	--	54
PB6	SB3	4	--	--	--
PB6	PB7	--	--	--	62
PB7	SB4	2	--	--	--
PB7	SB5	--	14	--	--
PB6	PB8	--	--	--	112
PB8	SB6	17	--	--	--
PB8	PB9	--	--	--	110
PB9	PB10	--	50	--	--
PB10	SB7	6	--	--	--
PB10	PB11	--	--	--	58
PB11	SB8	5	--	--	--
PB11	SB9	--	26	--	--
PB10	PB12	--	--	--	136
PB12	PB13	--	--	163	--
PB12	PB14	--	--	--	72
PB14	PB15	--	36	--	--
PB15	SB10	--	11	--	--
PB15	SB11	7	--	--	--
PB15	PB16	--	130	--	--
PB16	SB12	--	13	--	--
PB16	CB1	--	48	--	--
TOTAL		67	408	317	834

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

PULL BOXES

PULL BOX NO.	Station*	Location*	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1	160'EB'+84.48	13.36' RT	1
PB2	160'EB'+60.53	12.94' RT	1
PB3	160'EB'+56.39	30.66' LT	1
PB4	159'EB'+04.11	28.37' LT	1
PB5	160'WB'+57.24	29.10' LT	1
PB6	160'WB'+75.99	47.31' LT	1
PB7	160'WB'+99.83	28.84' LT	1
PB8	161'WB'+28.67	48.09' LT	1
PB9	161'WB'+80.27	52.14' LT	1
PB10	161'WB'+99.20	40.71' LT	1
PB11	161'WB'+88.39	14.87' LT	1
PB12	161'EB'+92.17	19.56' LT	1
PB13	164'EB'+58.08	18.73' LT	1
PB14	161'EB'+93.66	16.16' RT	1
PB15	161'EB'+80.19	28.18' RT	1
PB16	161'EB'+13.72	36.02' RT	1
		TOTAL	16

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE AND SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0060.23 REMOVE AND SALVAGE TRAFFIC SIGNALS EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

3

CONCRETE BASES

SIGNAL BASE NO.	STATION*	LOCATION*	654.0101 CONCRETE BASES TYPE 1 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	160'EB'+91.66	26.95' RT	--	--	--	1
SB1	160'EB'+88.81	13.67' LT	1	--	--	--
SB2	160'EB'+61.45	30.81' LT	1	--	--	--
SB3	160'WB'+74.36	44.35' LT	1	--	--	--
SB4	160'WB'+99.82	27.05' LT	1	--	--	--
SB5	160'WB'+94.15	16.74' LT	--	--	--	--
SB6	161'WB'+26.20	64.93' LT	1	--	--	--
SB7	161'WB'+95.19	44.20' LT	1	--	--	--
SB8	161'WB'+84.22	17.25' LT	1	--	--	--
SB9	161'WB'+67.93	26.20' LT	--	1	--	--
SB10	161'EB'+84.78	18.06' RT	--	--	1	--
SB11	161'EB'+73.88	26.84' RT	1	--	1	--
SB12	161'EB'+09.03	23.77' RT	--	1	--	--
		TOTAL	8	2	2	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

WASTE DISPOSAL

SIGNAL BASE NO.	STATION	LOCATION	659.5000.S LAMP, BALLAST, LED, SWITCH DISPOSAL BY CONTRACTOR EACH
SB1	160'EB'+88.81	13.67' RT	2
SB2	160'EB'+83.50	30.36' LT	2
SB3	160'EB'+61.45	30.81' LT	1
SB4	160'WB'+94.16	19.82' LT	3
SB5	160'WB'+99.82	27.05' LT	3
SB6	160'WB'+74.36	44.35' LT	2
SB7	161'WB'+31.28	32.19' LT	2
SB8	161'WB'+26.20	64.93' LT	1
SB9	161'WB'+72.54	23.35' LT	4
SB10	161'WB'+84.22	17.25' LT	2
SB11	161'WB'+95.19	44.20' LT	2
SB12	161'EB'+81.37	19.33' LT	2
SB13	161'EB'+84.63	19.30' RT	3
SB14	161'EB'+73.88	20.83' RT	2
SB15	161'EB'+42.65	27.00' RT	2
SB16	161'EB'+09.20	23.25' RT	3
	TOTAL		36

3

LOOP DETECTOR SCHEDULE

LOOP NUMBER	HOME RUN PB	STATION	LOCATION	SIZE (FT)X(FT)	NO. OF TURNS	PAVEMENT TYPE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
21	PB13	159"EB"+04.11	37.95' LT	6X20	3	CONCRETE	90	332	280
61	PB4	164"EB"+59.29	19.73' LT	6X20	3	CONCRETE	106	255	328
							196	587	608

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB1	--	--	51	--	--	--
CB1	SB2	152	--	--	--	--	--
CB1	SB3	--	253	--	--	--	--
CB1	SB4	--	--	--	298	--	--
CB1	SB5	--	310	--	--	310	316
CB1	SB6	338	--	--	--	--	--
CB1	SB7	--	311	--	--	--	--
CB1	SB8	--	--	--	355	--	--
CB1	SB9	--	376	--	--	--	--
CB1	SB10	--	146	--	--	--	--
CB1	SB11	--	142	--	--	--	--
CB1	SB12	--	67	--	--	67	73
SB12	SB10	--	--	--	--	129	--
SB10	SB9	--	--	--	--	276	--
	TOTAL	490 *	1605	51	653	782	389

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0615 ELECTRICAL WIRE LIGHTING 10 AWG L.F.
SB5	LUMIN	144
SB9	LUMIN	144
SB10	LUMIN	144
SB12	LUMIN	144
	TOTAL	576

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	51
SB1	SB2	135
SB2	SB3	137
SB3	SB4	77
SB4	SB5	40
SB3	SB6	117
SB6	SB7	159
SB7	SB8	80
SB8	SB9	55
SB7	SB11	191
SB11	SB10	42
SB11	SB12	125
SB12	CB1	67
PB1	SB1	25
PB2	SB1	65
PB3	SB2	26
PB5	SB3	67
PB6	SB3	24
PB7	SB4	22
PB8	SB6	37
PB9	SB7	67
PB10	SB7	26
PB11	SB8	25
PB12	SB7	110
PB14	SB11	61
PB15	SB11	27
PB16	SB12	33
	TOTAL	1891

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION*	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

REMOVE, SALVAGE AND REINSTALL VIDEO DETECTION SYSTEM

LOCATION	SPV.0060.31 REMOVE, SALVAGE AND REINSTALL VIDEO DETECT SYSTEM EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 1	21	--
SB1	HEAD 2	--	23
SB1	HEAD 23	15	--
SB2	HEAD 3	19	--
SB3	HEAD 4	19	--
SB3	HEAD 24	15	--
SB4	HEAD 5	21	--
SB4	HEAD 6	--	22
SB4	HEAD 25	15	--
SB4	HEAD 26	15	--
SB5	HEAD 7	36	--
SB5	HEAD 8	50	--
SB5	HEAD 27	15	--
SB6	HEAD 10	--	21
SB7	HEAD 11	--	21
SB7	HEAD 28	15	--
SB8	HEAD 12	23	--
SB8	HEAD 13	--	21
SB8	HEAD 29	15	--
SB9	HEAD 14	24	--
SB9	HEAD 15	--	51
SB9	HEAD 30	15	--
SB9	HEAD 31	15	--
SB10	HEAD 16	37	--
SB10	HEAD 17	51	--
SB10	HEAD 32	15	--
SB11	HEAD 19	--	22
SB11	HEAD 20	21	--
SB11	HEAD 33	15	--
SB12	HEAD 21	24	--
SB12	HEAD 22	--	47
SB12	HEAD 34	15	--
	TOTAL	526	228 *

3

POLES

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	1
SB2	1	1	--	--
SB3	1	1	--	--
SB4	1	--	1	--
SB5	--	--	--	1
SB6	1	--	1	--
SB7	1	--	1	--
SB8	1	--	1	--
SB9	--	--	--	1
SB10	--	--	--	1
SB11	1	--	1	--
SB12	--	--	--	--
TOTAL	7	2	5	4

TRANSPORT AND INSTALL TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.30 TRANSPORT AND INSTALL TRAFFIC SIGNAL CABINET EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

REMOVE, SALVAGE AND REINSTALL EVP EQUIPMENT

LOCATION	SPV.0060.32 REMOVE, SALVAGE AND REINSTALL EVP EQUIPMENT EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

MONOTUBE STRUCTURES

SIGNAL BASE NO.	SPV.0060.24 TRANSPORT AND INSTALL POLES TYPE 10 EACH	SPV.0060.25 TRANSPORT AND INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.26 TRANSPORT AND INSTALL MONOTUBE ARMS 25-FT EACH	SPV.0060.27 TRANSPORT AND INSTALL MONOTUBE ARMS 30-FT EACH	SPV.0060.28 TRANSPORT AND INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	SPV.0060.29 TRANSPORT AND INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
SB5	--	1	--	--	1	1
SB9	1	--	--	1	--	1
SB10	--	1	--	--	1	1
SB12	1	--	1	--	--	1
TOTAL	2	2	1	1	2	4

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0175 TRAFFIC SIGNAL FACE 5S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB1	1	--	--	--
2	SB1	--	--	1	--
21	SB1	--	--	--	1
3	SB2	1	--	--	--
4	SB3	1	--	--	--
22	SB3	--	--	--	1
5	SB4	1	--	--	--
6	SB4	--	1	--	--
23	SB4	--	--	--	1
24	SB4	--	--	--	1
7	SB5	1	--	--	--
8	SB5	--	--	1	--
25	SB5	--	--	--	1
9	SB6	1	--	--	--
10	SB7	1	--	--	--
26	SB7	--	--	--	1
11	SB8	--	--	1	--
12	SB8	1	--	--	--
27	SB8	--	--	--	1
13	SB9	1	--	--	--
14	SB9	--	1	--	--
28	SB9	--	--	--	1
29	SB9	--	--	--	1
15	SB10	1	--	--	--
16	SB10	--	--	1	--
30	SB10	--	--	--	1
17	SB11	--	1	--	--
18	SB11	1	--	--	--
31	SB11	--	--	--	1
19	SB12	1	--	--	--
20	SB12	--	1	--	--
32	SB12	--	--	--	1
	TOTAL	12	4	4	12

3

DISCONNECT, SALVAGE & REINSTALL TRAFFIC SIGNAL INTERCONNECT

LOCATION	SPV.0060.33 DISCONNECT, SALVAGE & REINSTALL TRAFFIC SIGNAL INTERCONNECT EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

TRANSPORT & INSTALL AUDIBLE PEDESTRIAN PUSH BUTTON SYSTEM

LOCATION	SPV.0060.34 TRANSPORT & INSTALL AUDIBLE PEDESTRIAN PUSH BUTTON SYSTEM EACH
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD	1
TOTAL	1

ALL ITEMS CATEGORY 0010 UNLESS OTHERWISE NOTED

RESTORATION

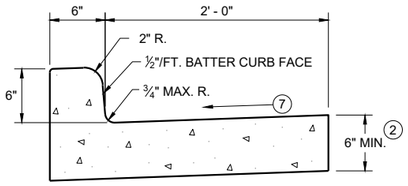
CAT 0010 STATION	TO	STATION	OFFSET	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB
160'EB'+78	-	161'EB'+14	RT	7	0.05	0.5
161'EB'+71	-	162'EB'+05	RT	7	0.05	0.5
		TOTAL		14	0.1	1

3

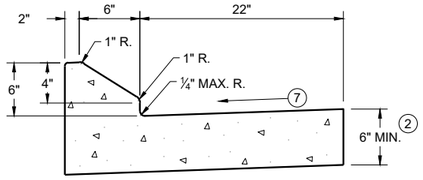
Standard Detail Drawing List

08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D02-03	SIGNAL CONTROL CABINET
09D03-03	POST MOUNTED CONTROLLER SERVICE INSTALLATION
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
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
10A18-05A	LUMINAIRE ARMS, SINGLE MEMBER 6-INCH CLAMP
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

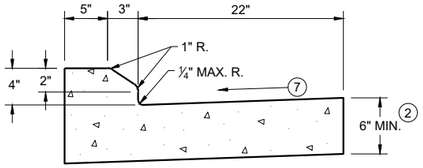
6



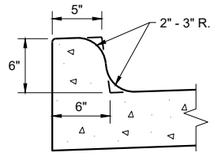
TYPES A (1) & D



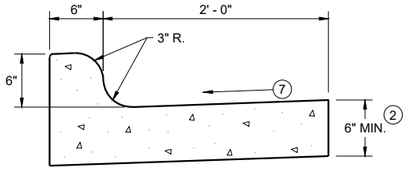
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

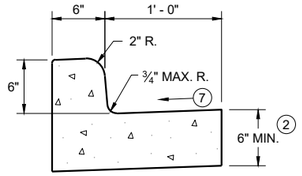


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



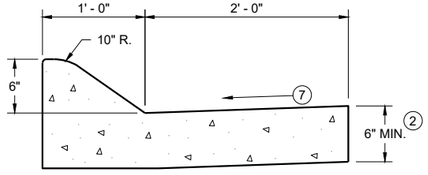
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

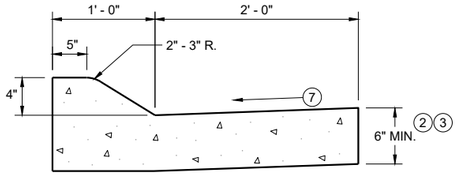


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

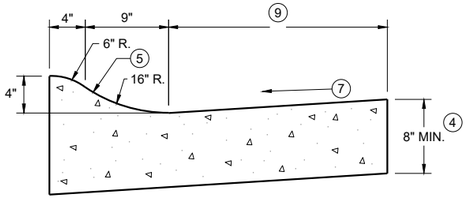


6" SLOPED CURB TYPES A (1) & D



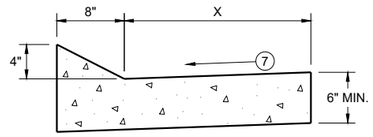
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

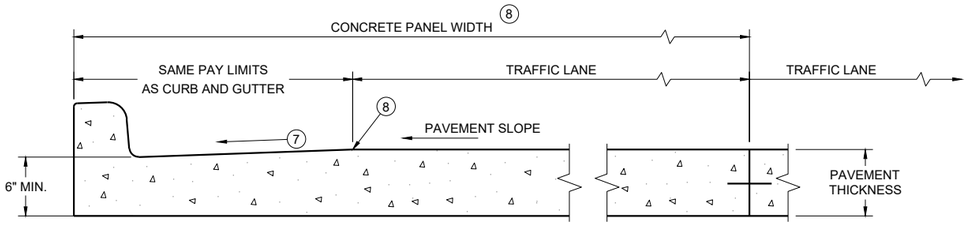


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

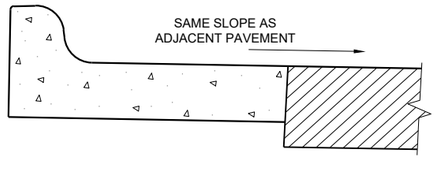
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

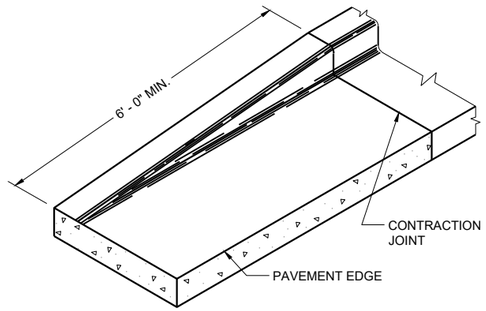
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

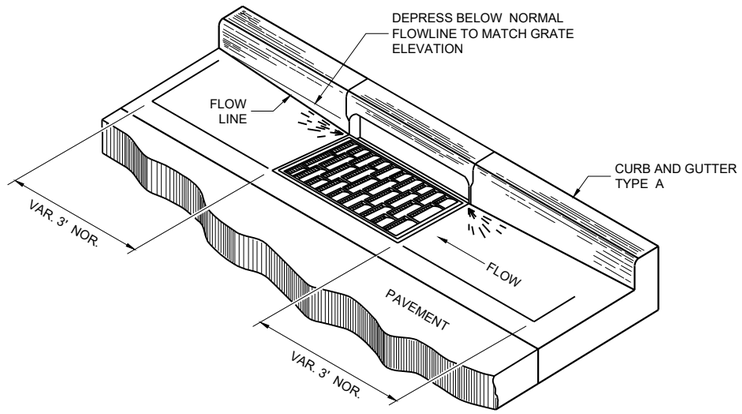
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

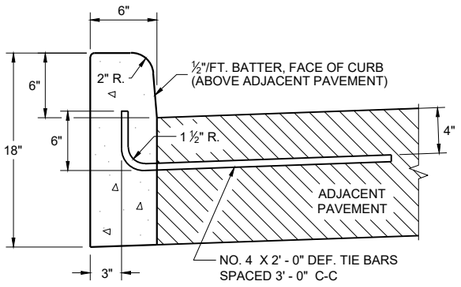
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

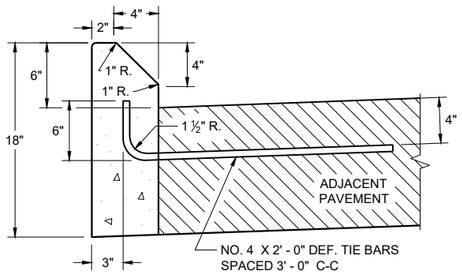
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

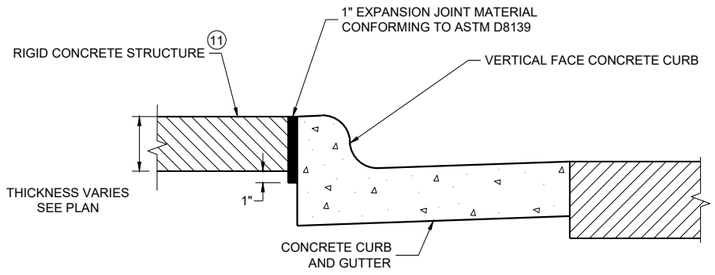


TYPES A (1) & D

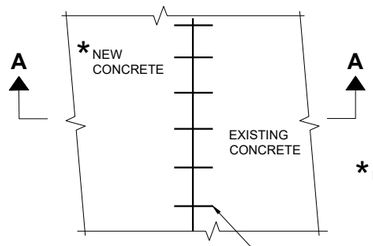


TYPES G (1) & J

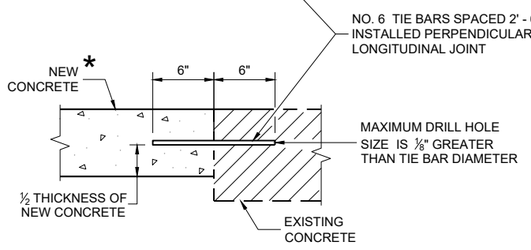
CONCRETE CURB



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

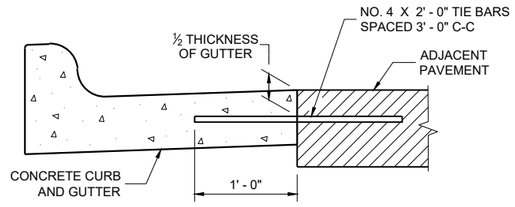


PLAN VIEW

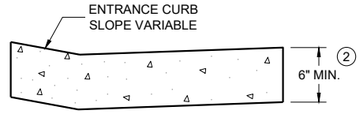


SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

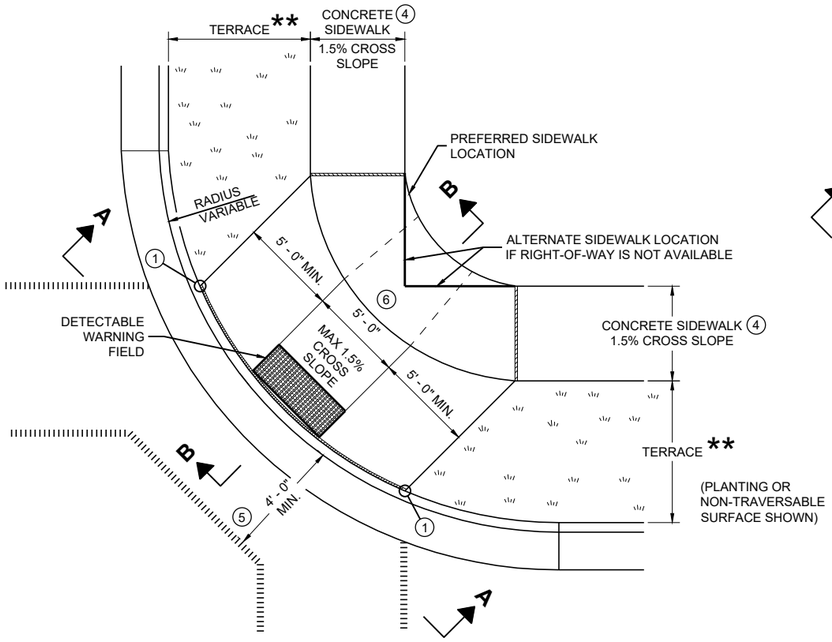
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

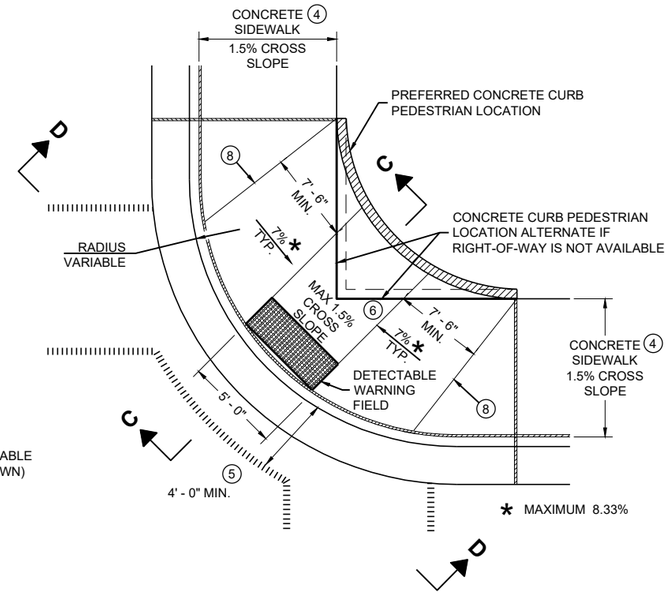
FHWA



PLAN VIEW

CURB RAMP TYPE 1

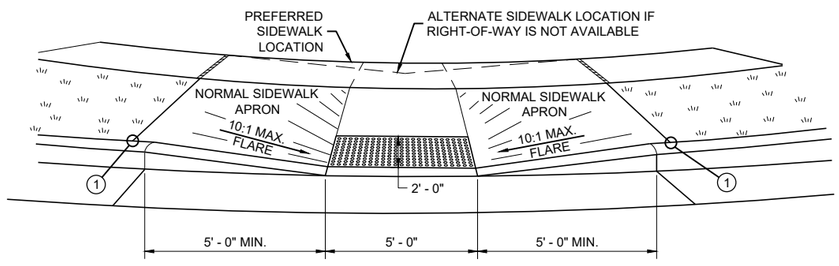
(CENTER OF CORNER RADIUS)



PLAN VIEW

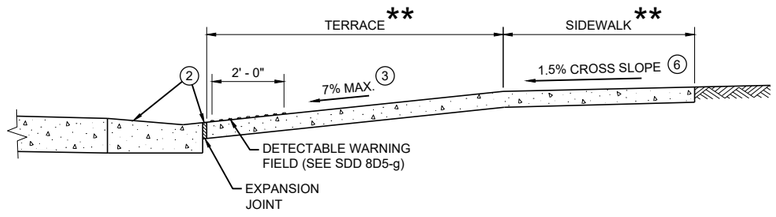
CURB RAMP TYPE 1 - A

(NO TERRACE)

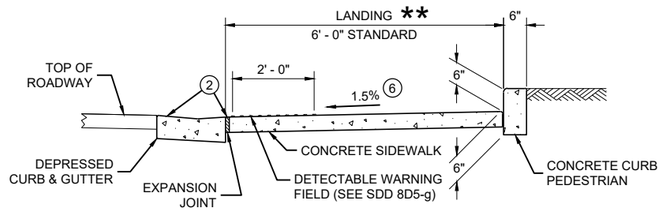


VIEW A - A FOR TYPE 1

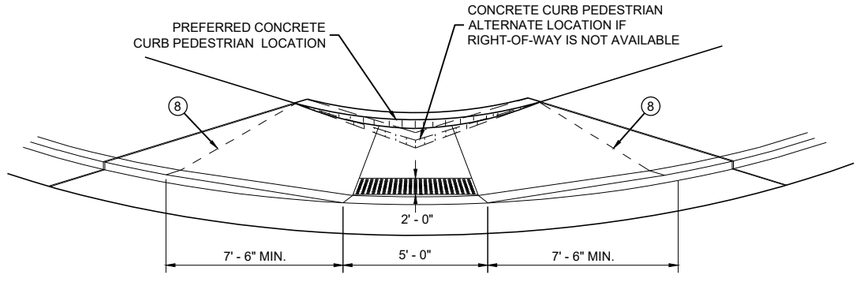
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

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

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

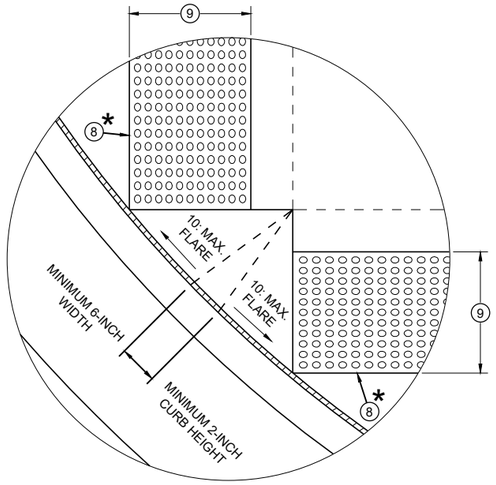
LEGEND

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

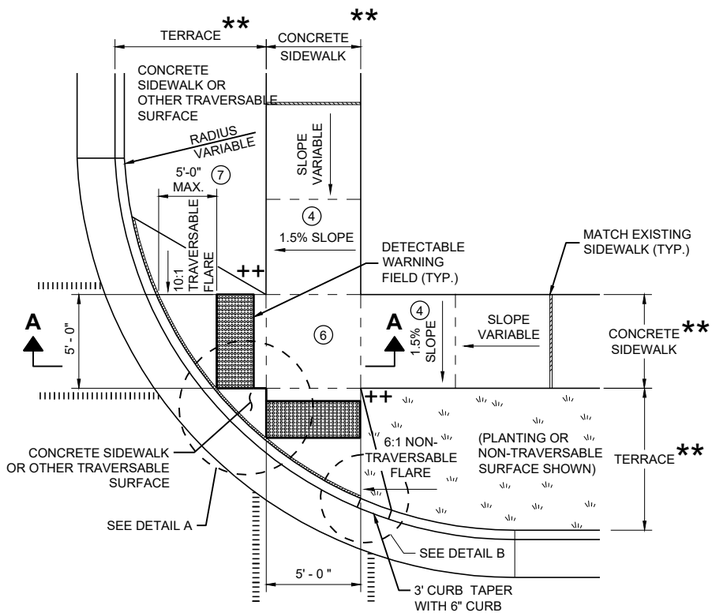
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

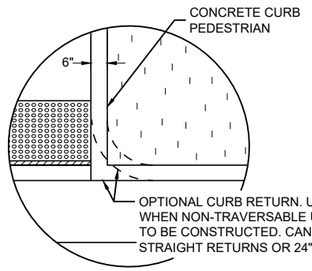
6
SDD 08D05-21a



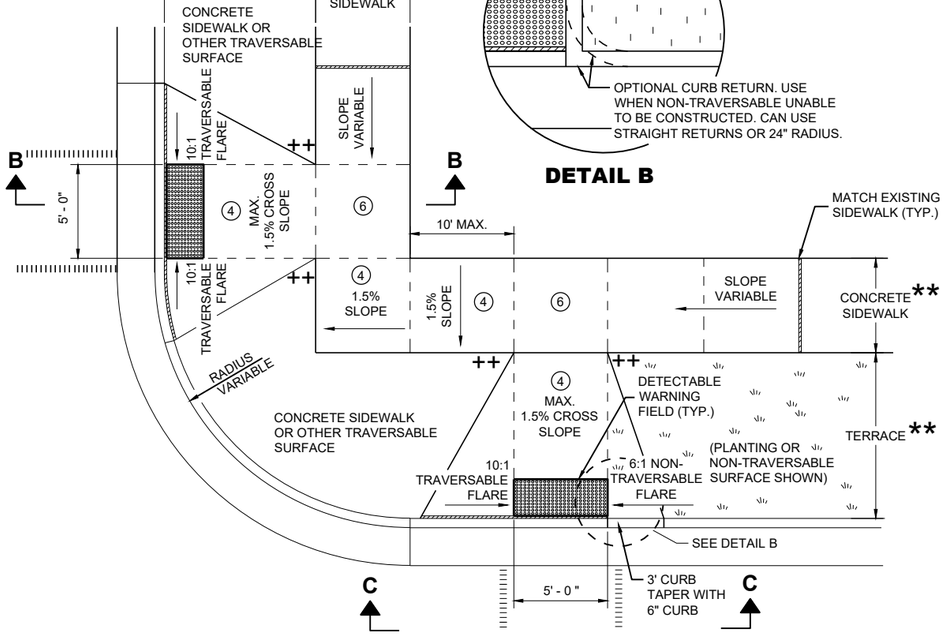
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

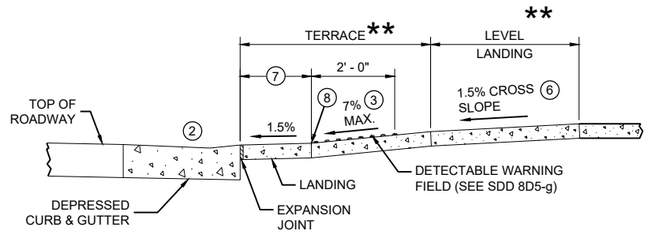
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

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

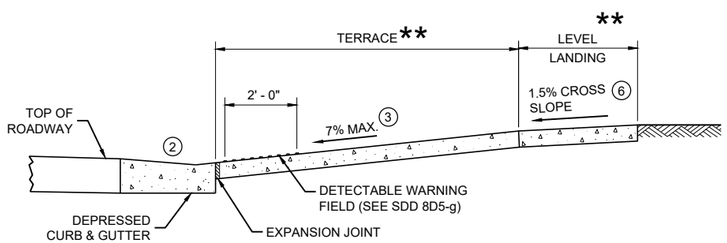


SECTION A - A FOR TYPE 2

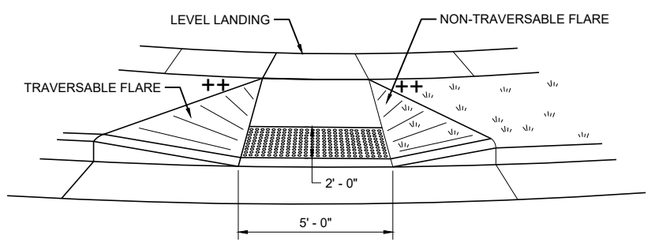
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



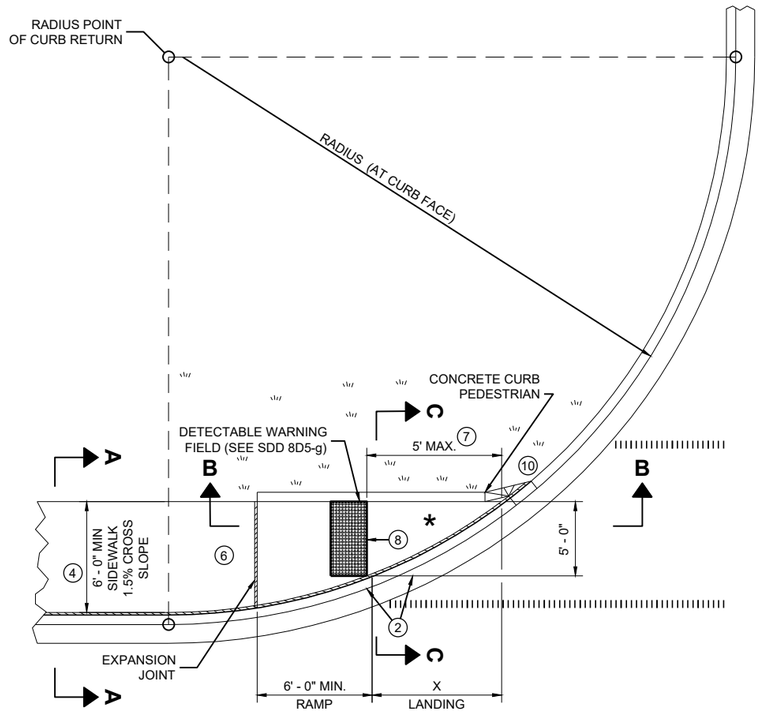
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

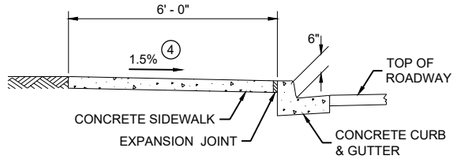


PLAN VIEW

CURB RAMP TYPE 4A

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

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.

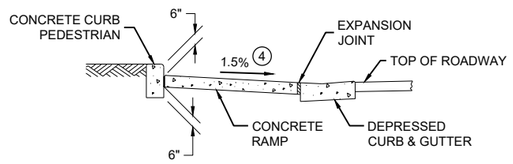
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

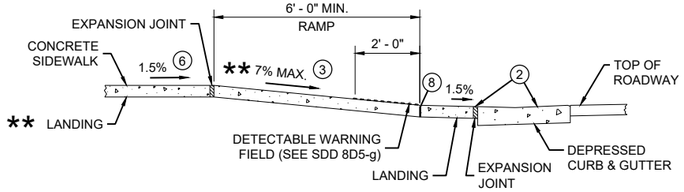
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

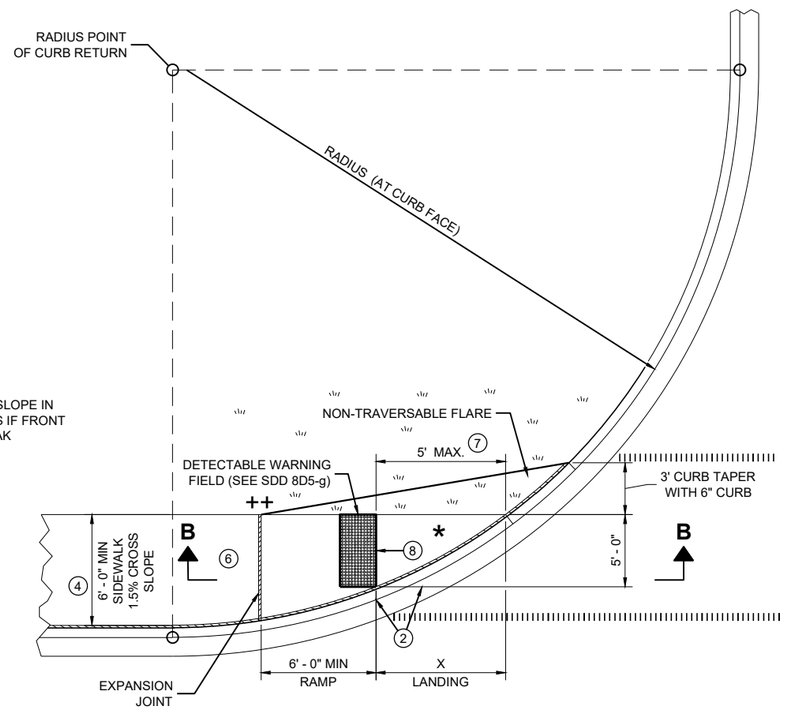


SECTION C - C FOR TYPE 4A



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

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

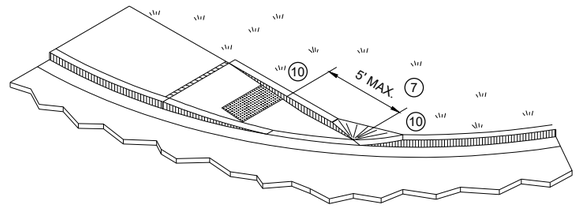


* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

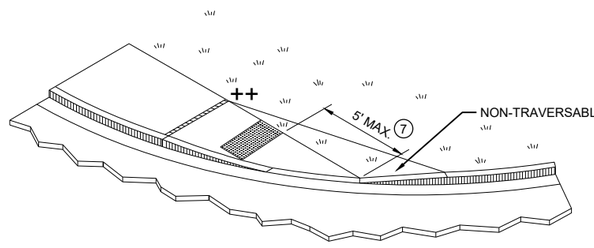
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



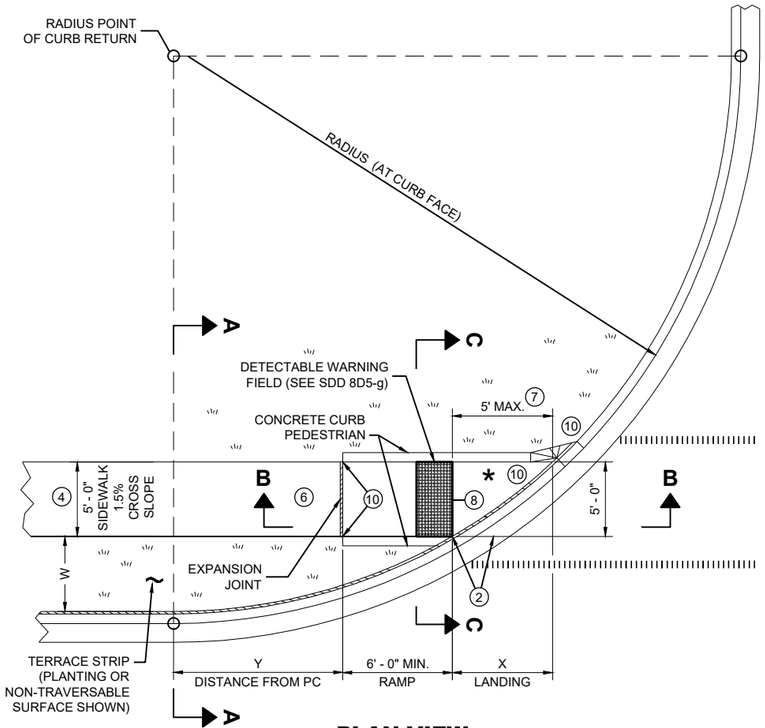
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



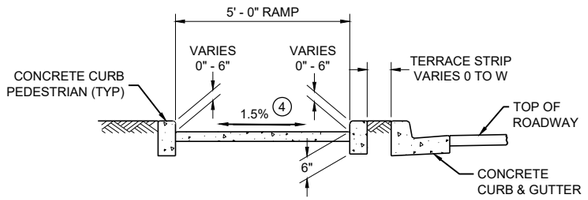
PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

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



SECTION C - C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

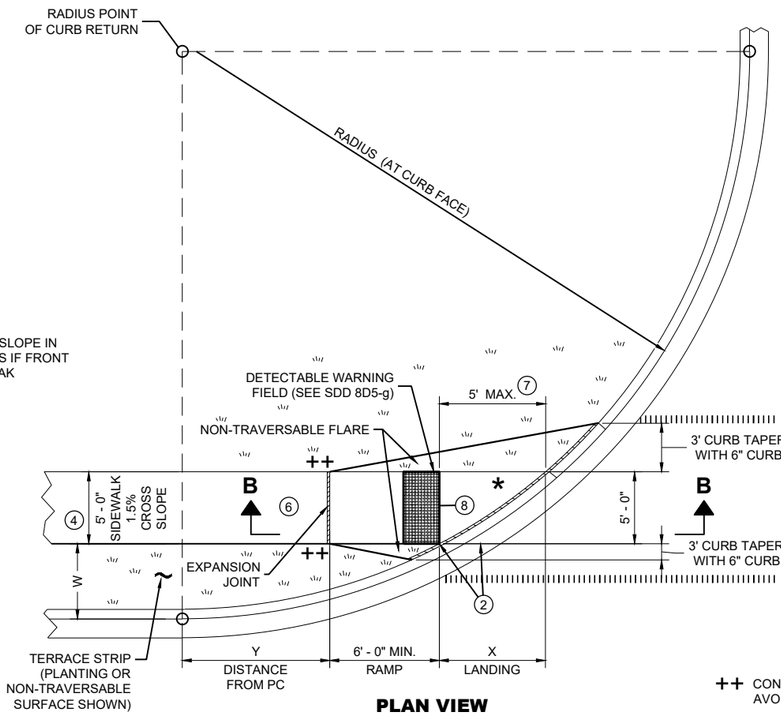
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

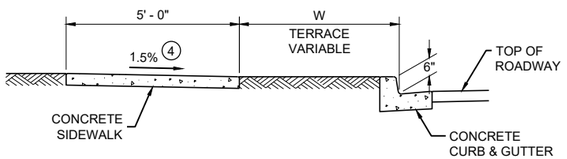
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

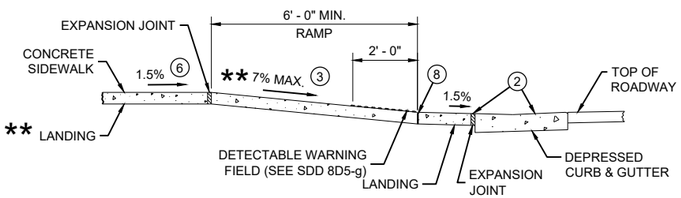
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



PLAN VIEW
CURB RAMP TYPE 4B1



SECTION A - A FOR TYPE 4B

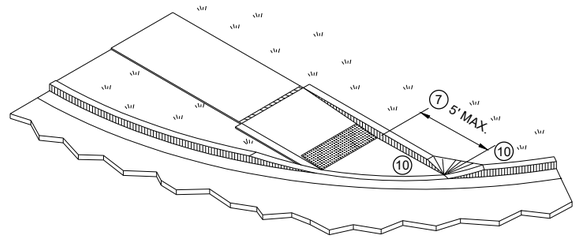


SECTION B - B FOR TYPE 4B AND TYPE 4B1

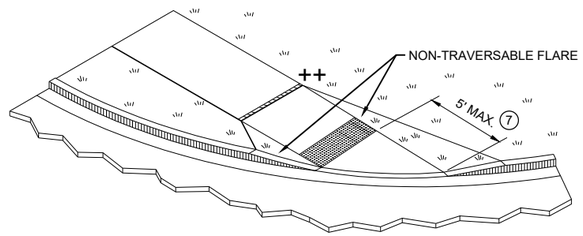
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



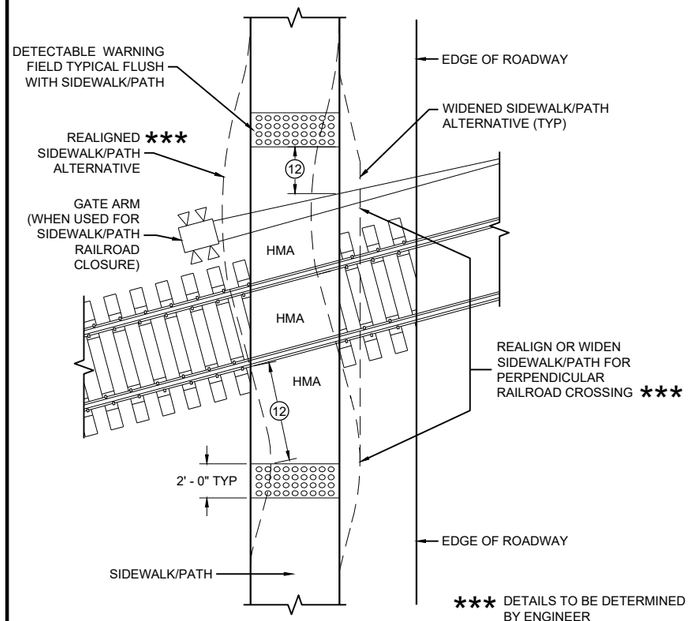
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

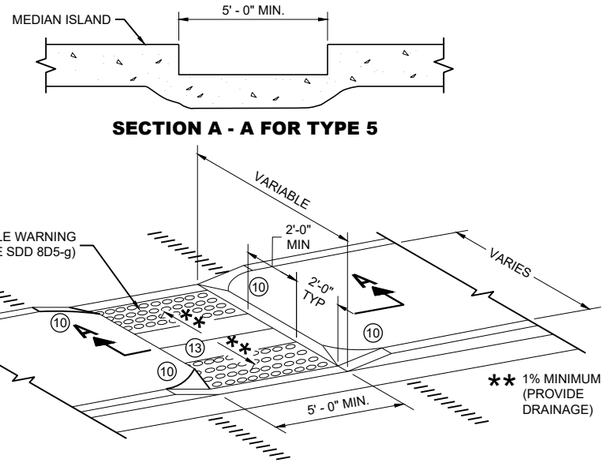
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

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

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

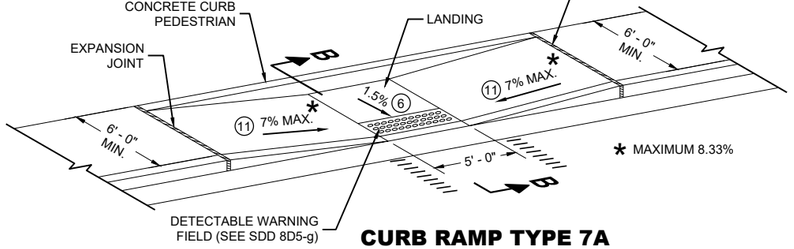
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

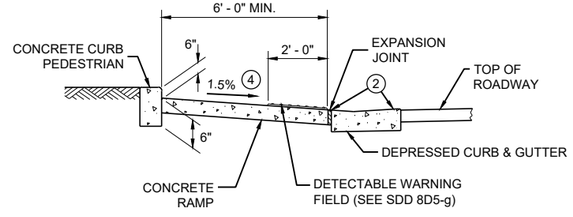
LEGEND

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

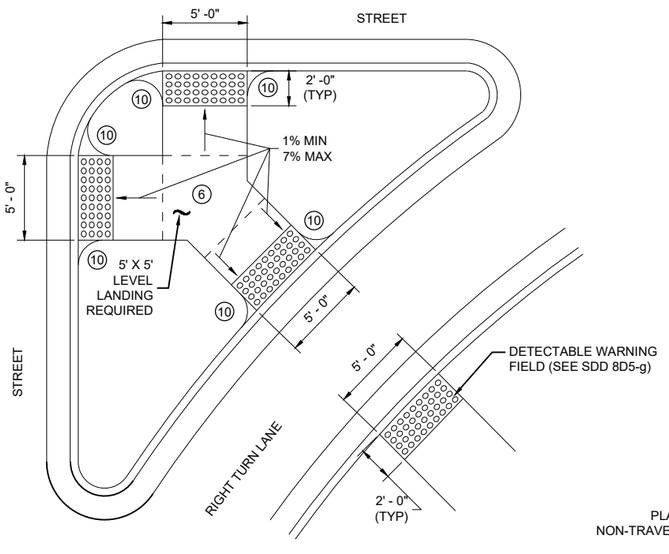


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



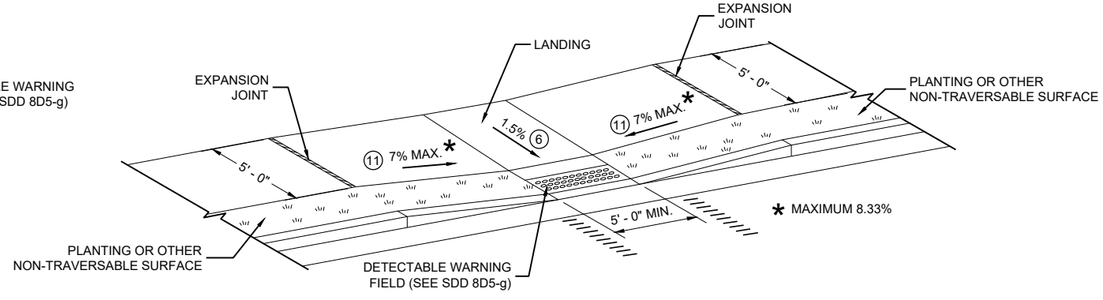
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7B

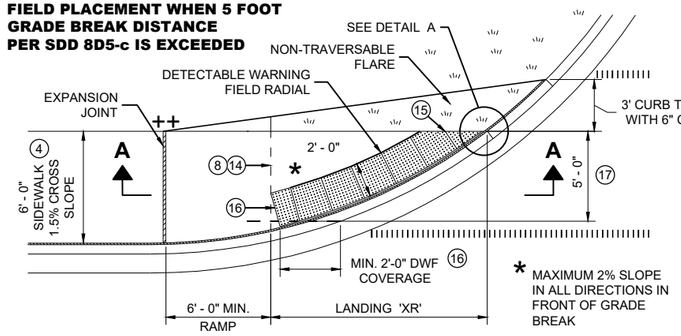
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

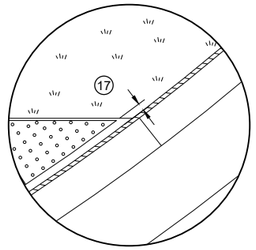
6
SDD 08D05-21e

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

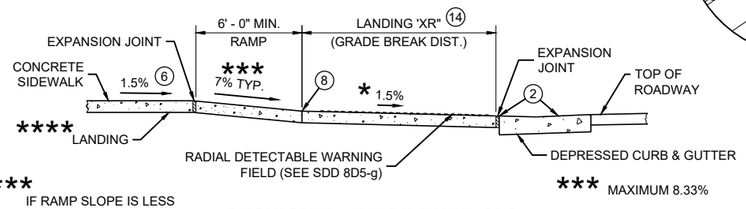


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

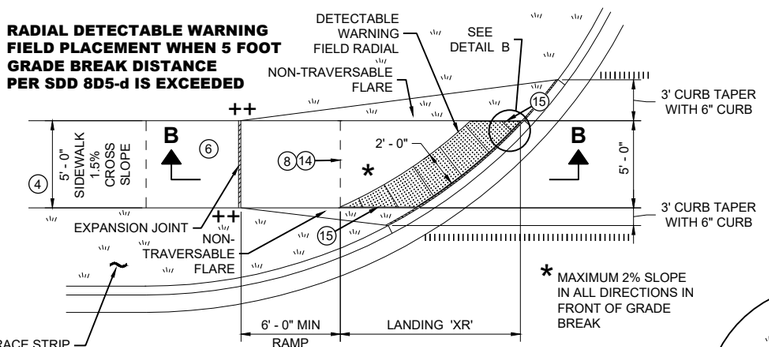


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

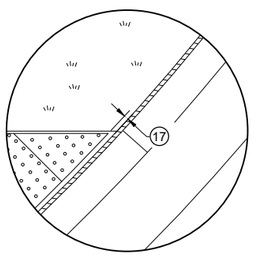
SECTION A - A FOR TYPE 4A1

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

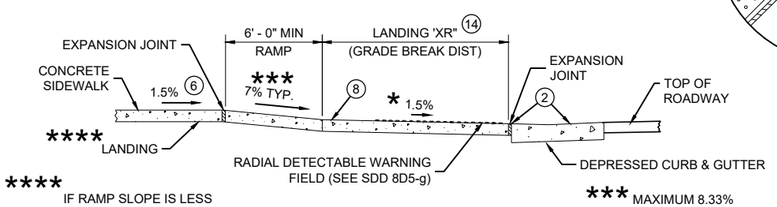


PLAN VIEW

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.

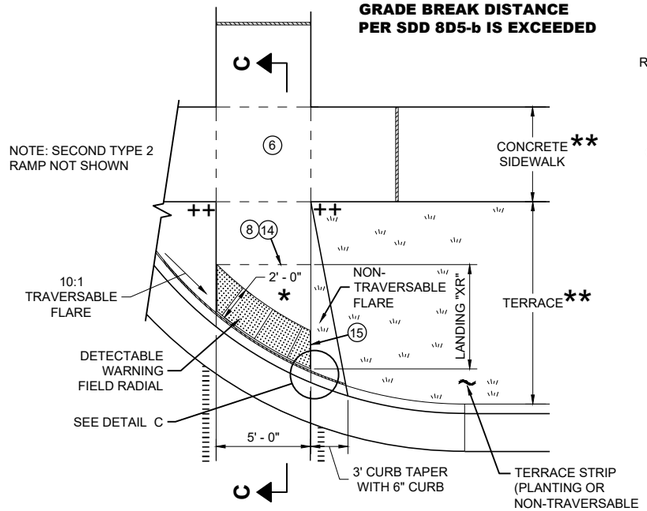
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

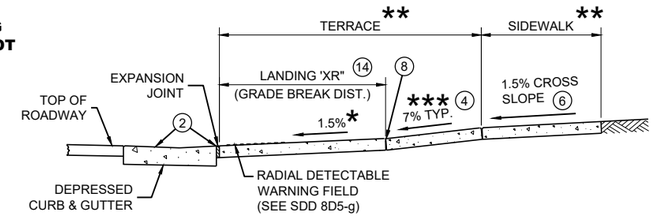
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

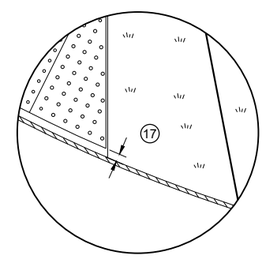


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

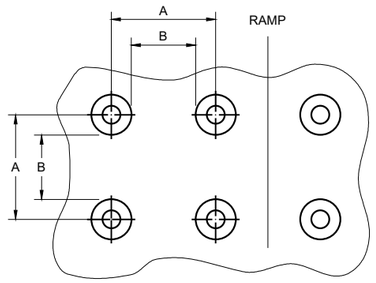
CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

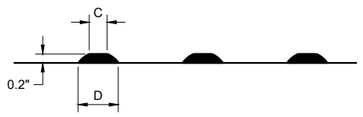
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

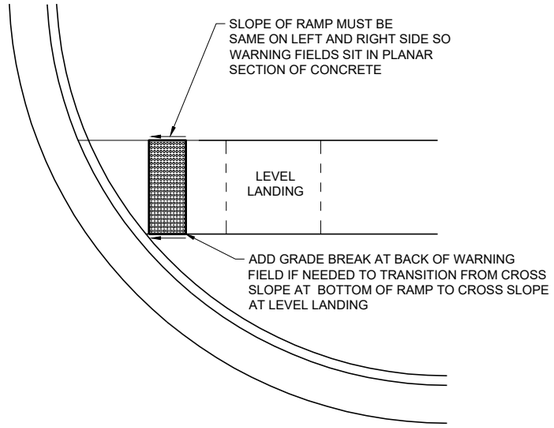
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

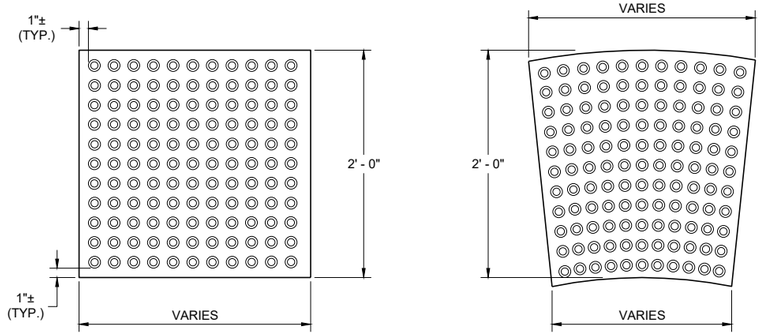
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

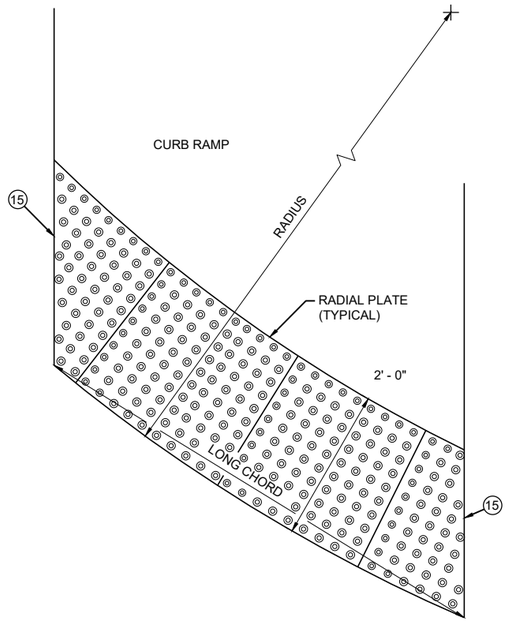
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



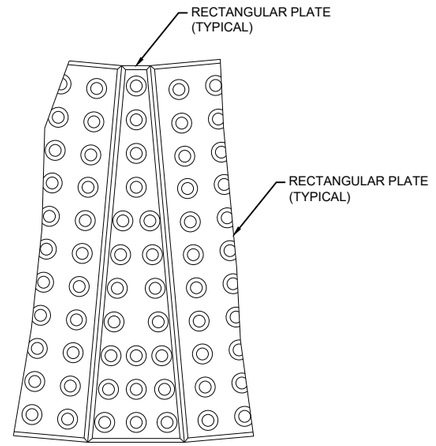
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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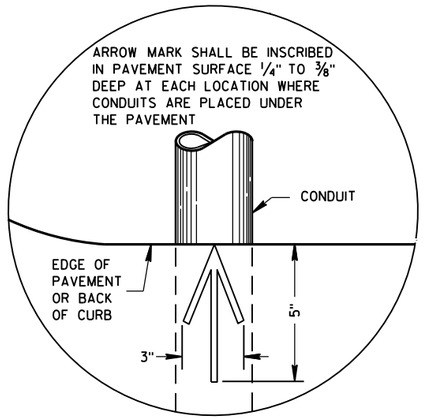
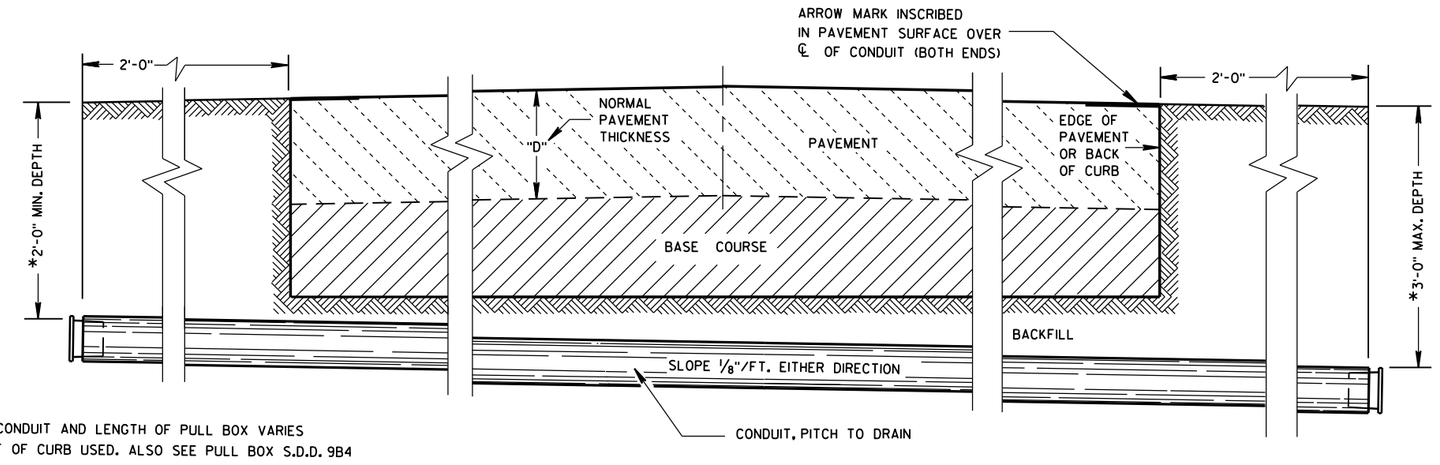
SDD 08D05-21g



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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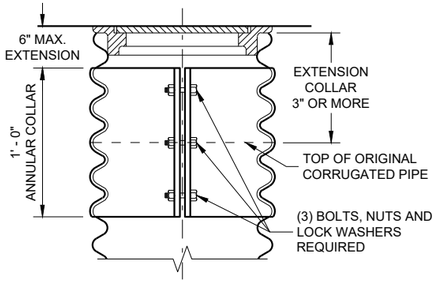
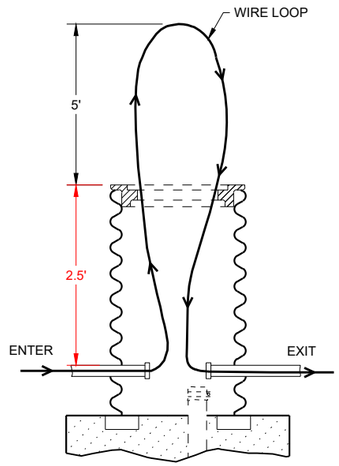
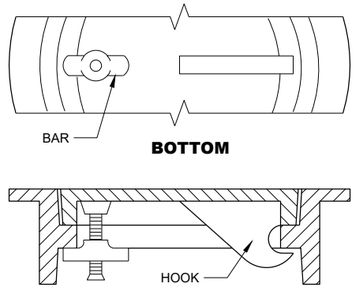
S.D.D. 9 B 2-10



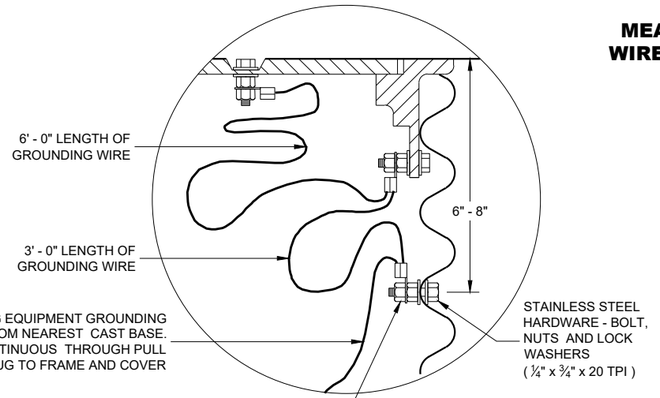
CORRUGATED PIPE EXTENDER



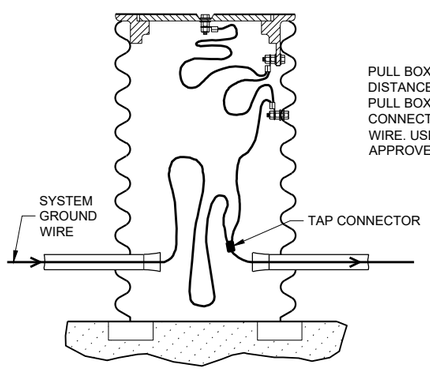
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



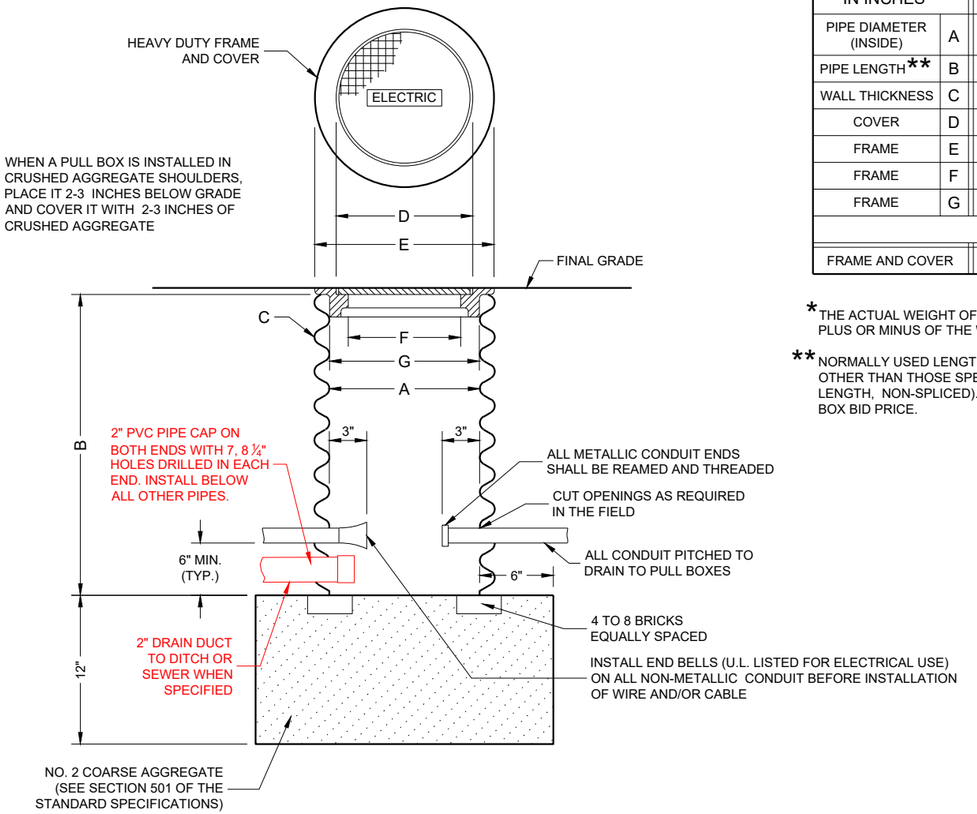
ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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

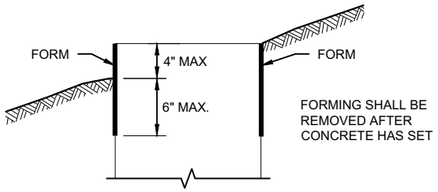
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

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

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

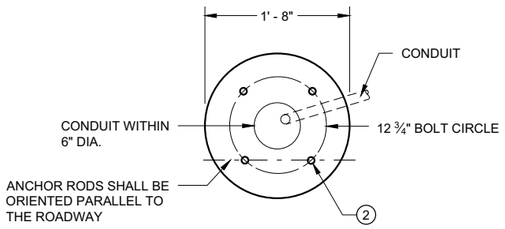
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

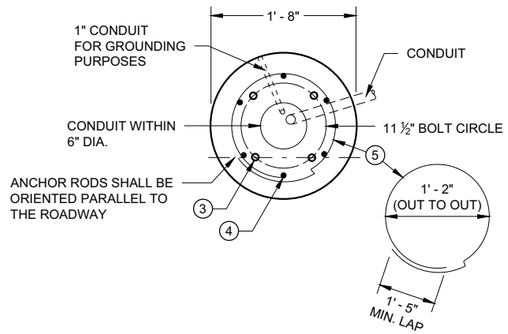
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

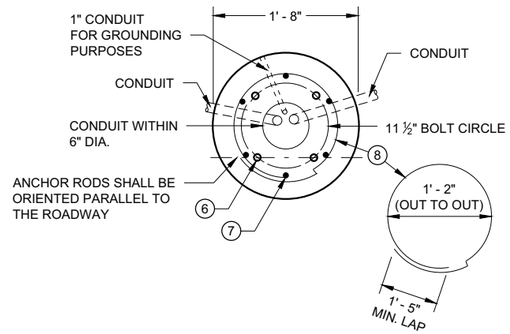
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







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

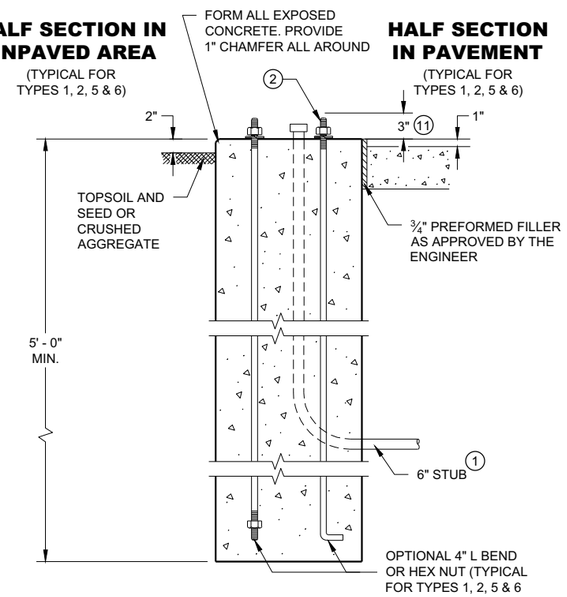
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

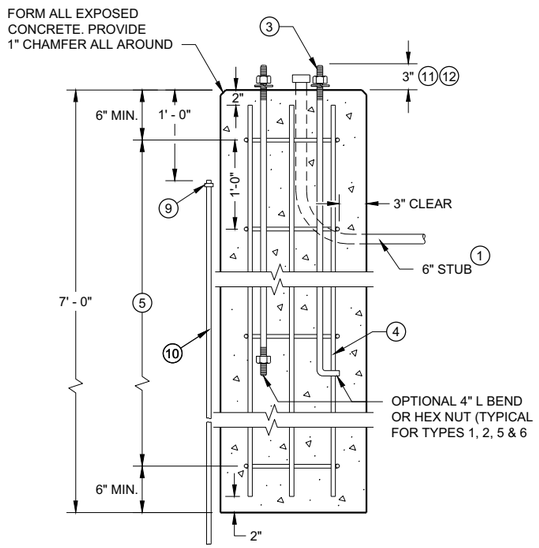
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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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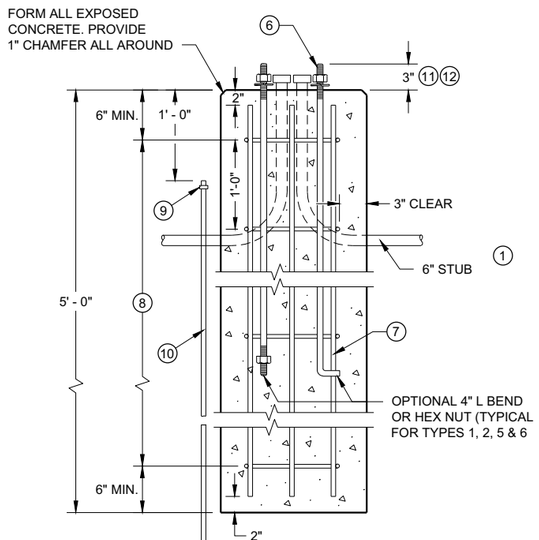


TYPE 5 & 6

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

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.

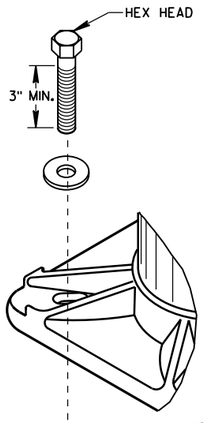
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

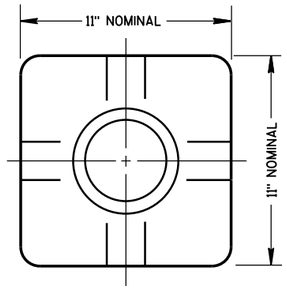
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

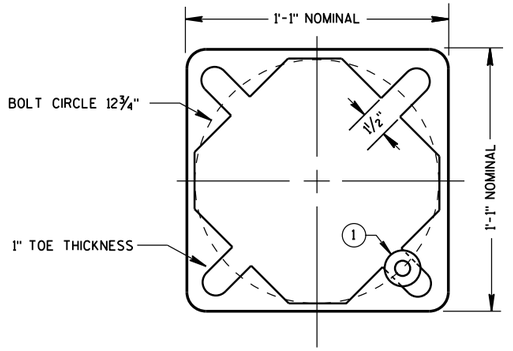
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

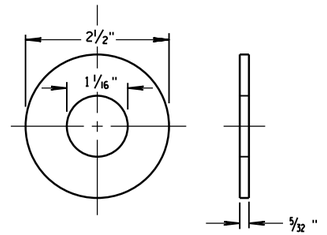




TOP VIEW
(PEDESTAL BASE)

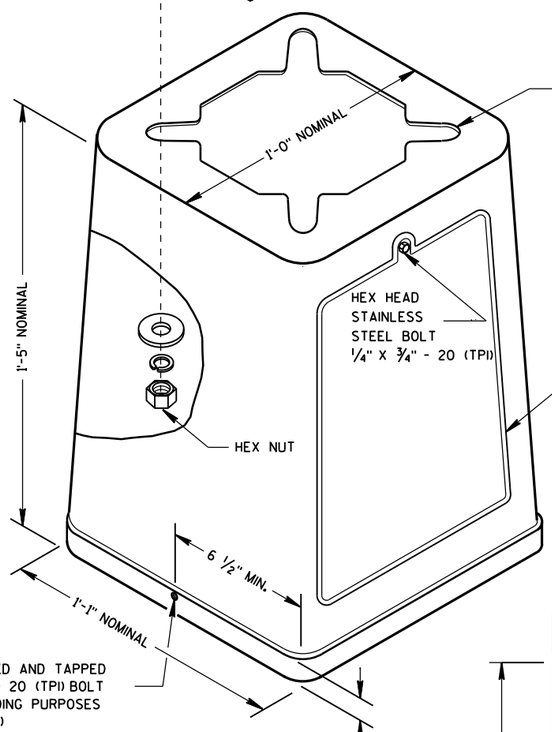


BOTTOM VIEW
(PEDESTAL BASE)

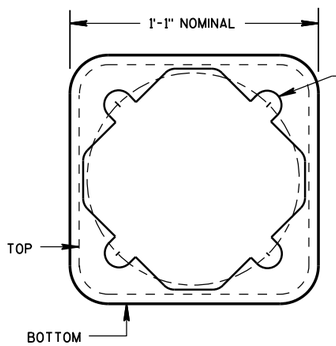


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

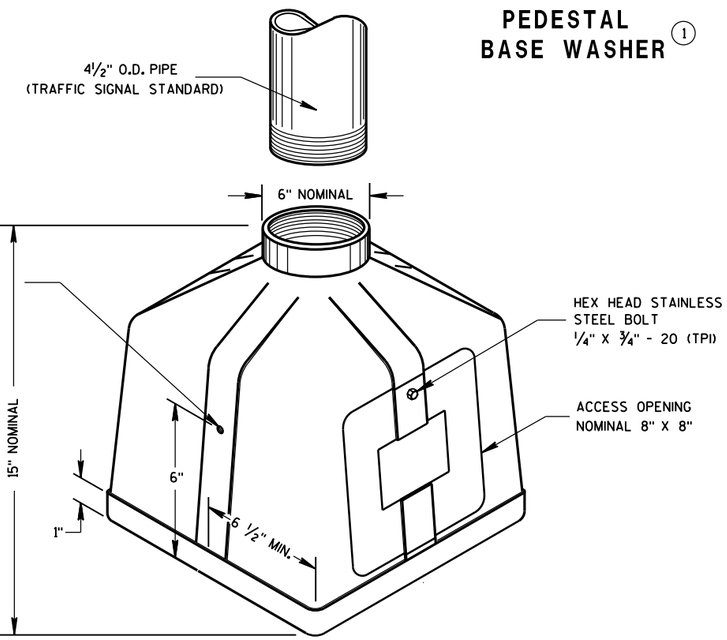
PEDESTAL BASE WASHER (1)



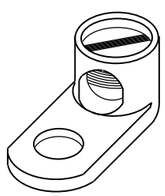
ISOMETRIC VIEW



BOTTOM VIEW
(TRANSFORMER BASE)

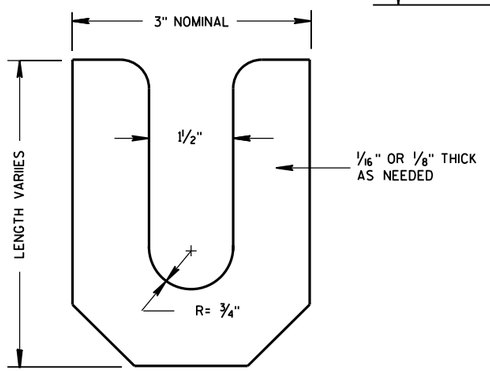


ISOMETRIC VIEW
PEDESTAL BASE



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 C 3-4

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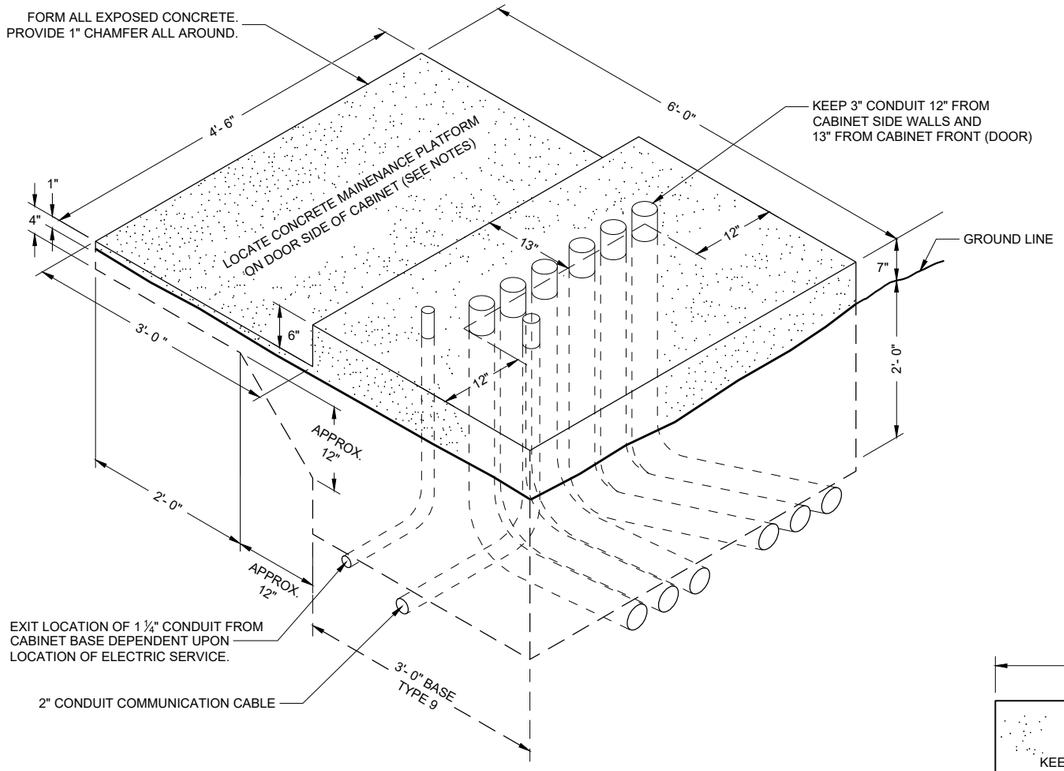
S.D.D. 9 C 3-4

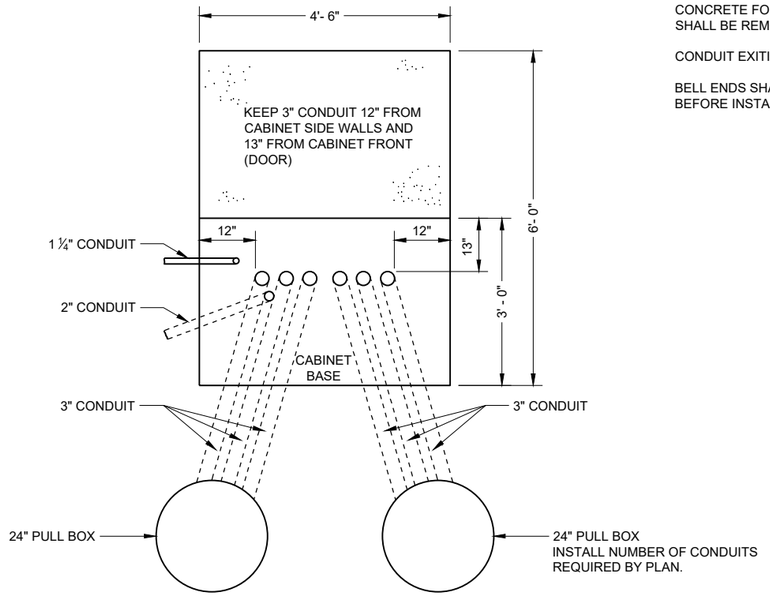
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

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

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

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

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09C06 - 07

GENERAL NOTES

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

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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 OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE 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.

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.

(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 (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

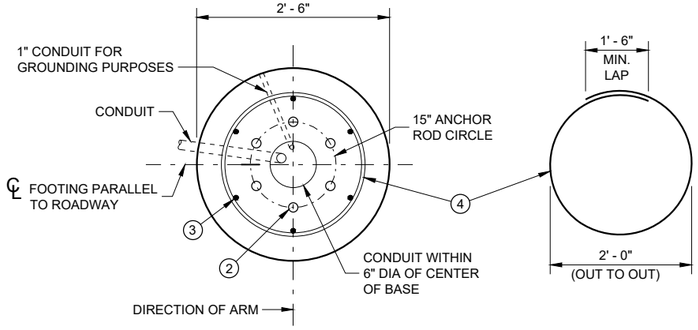
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

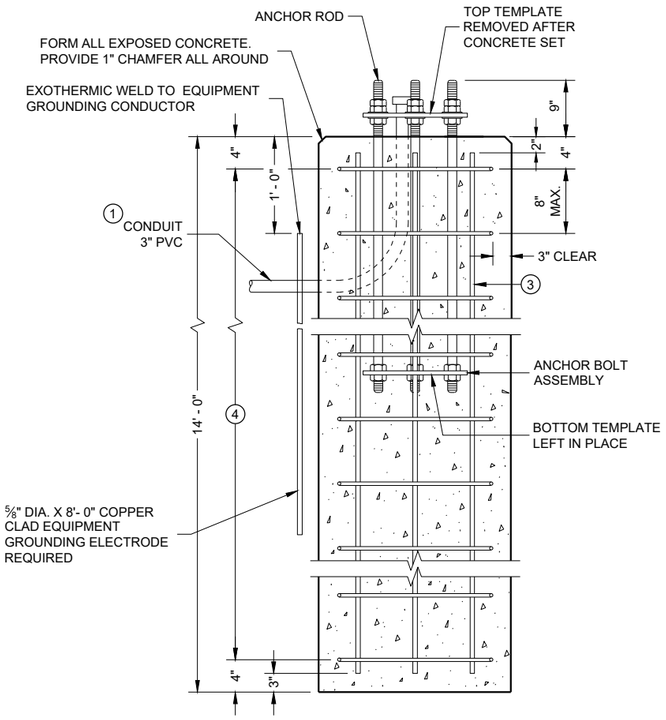
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE .....fy = 55,000 p.s.i.
WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.

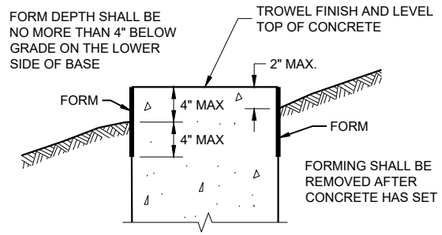
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



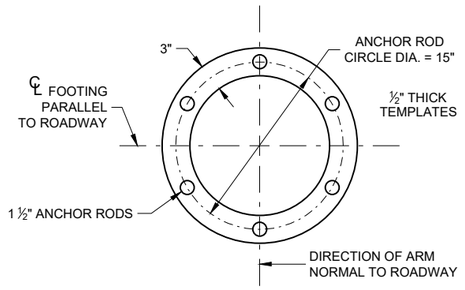


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

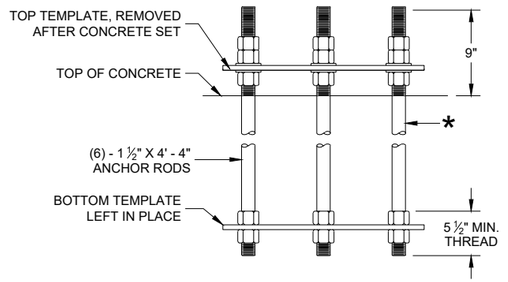
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

6

SDD 09C11 - 10

GENERAL NOTES

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

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

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.

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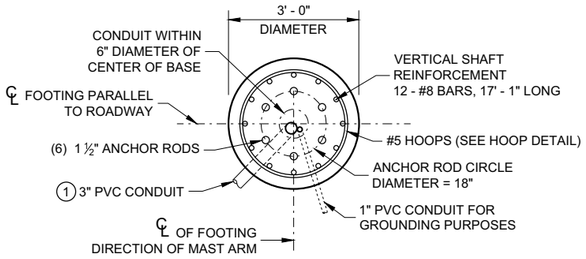
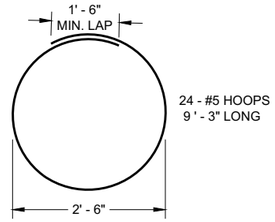
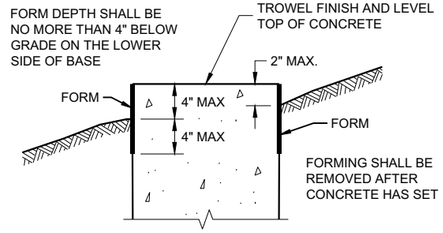
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



PLAN VIEW



HOOP DETAIL



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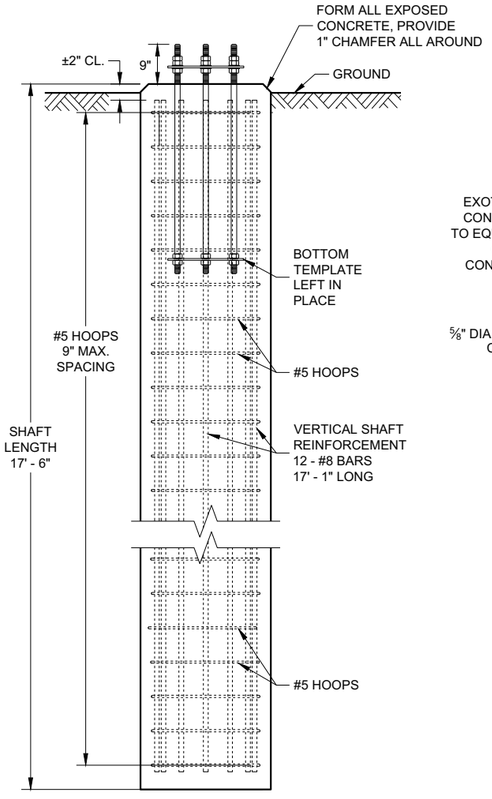
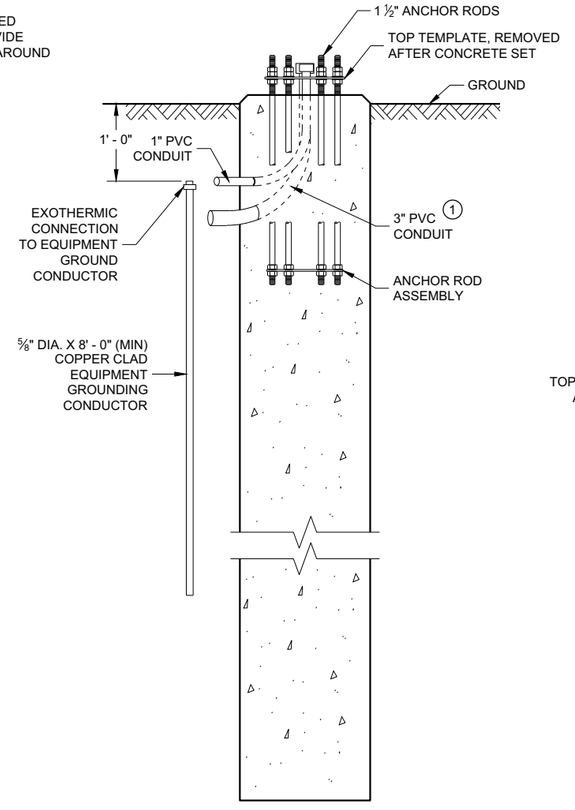


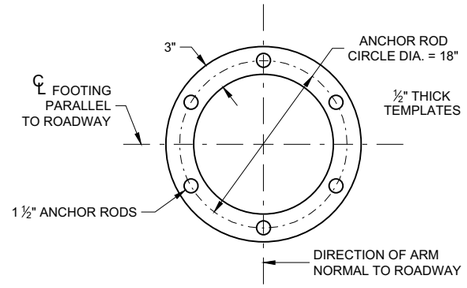
ELEVATION VIEW

(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)

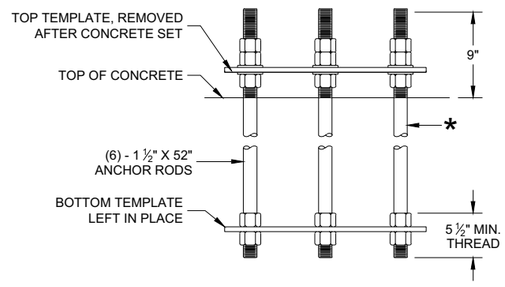


SIDE VIEW

(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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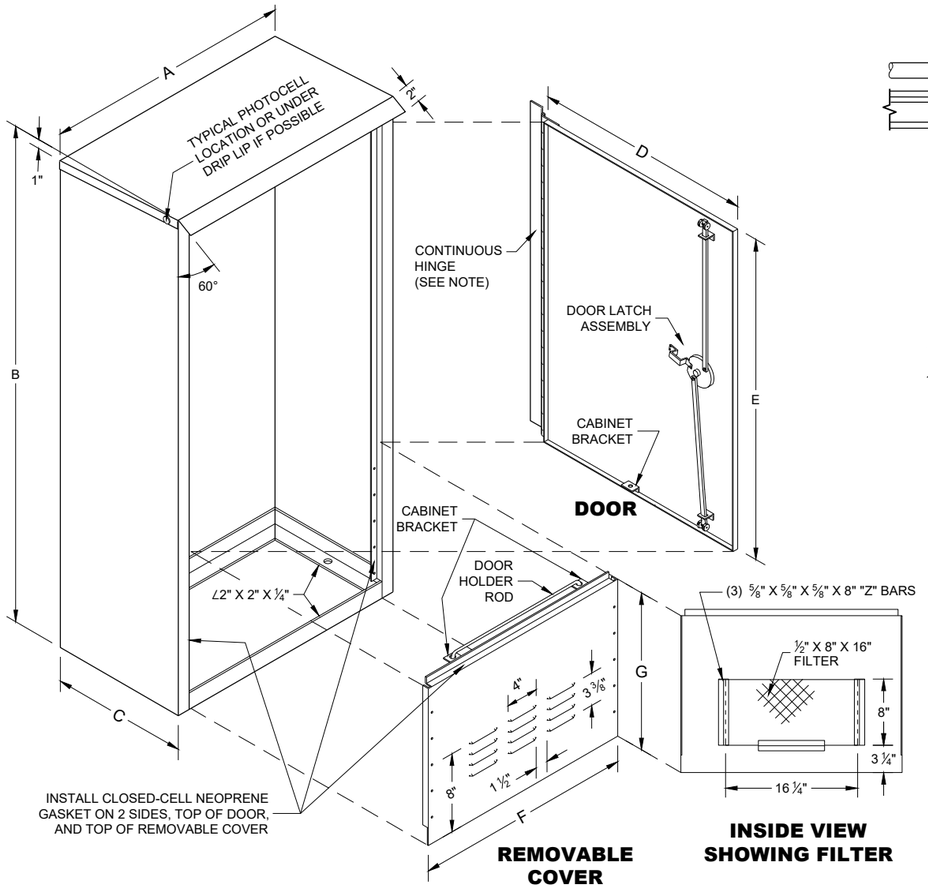
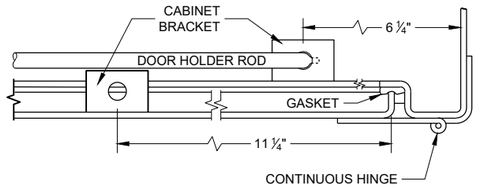
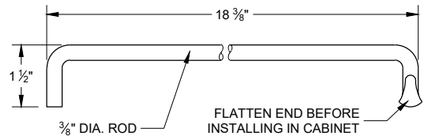
SDD 09C15 - 01

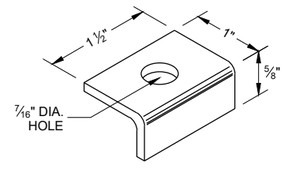




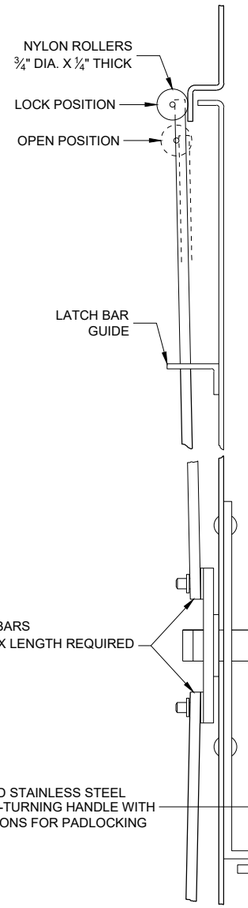
HINGE AND DOOR HOLDER

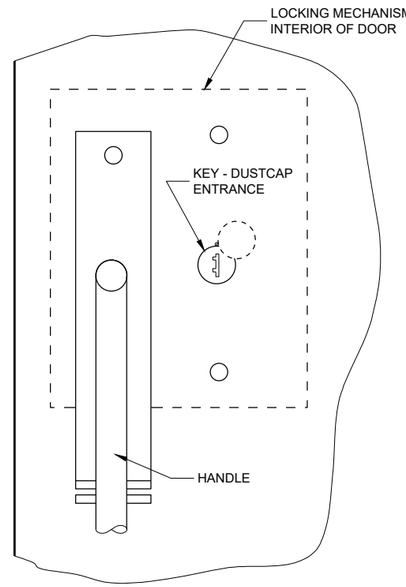


HOLDER ROD



CABINET BRACKET





SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

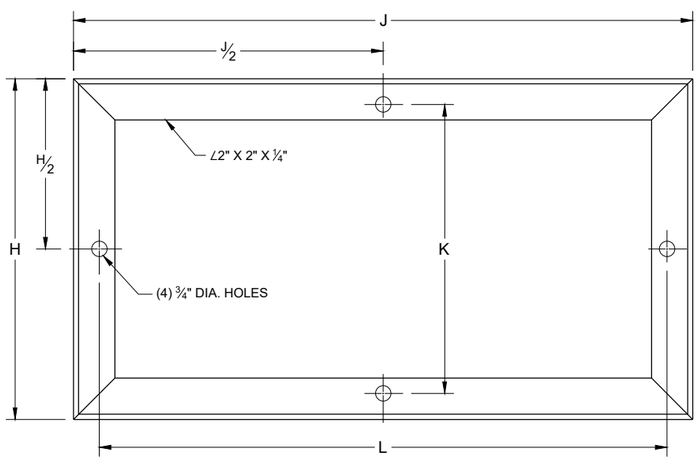
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

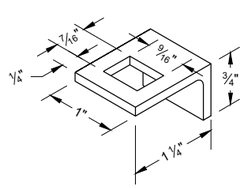
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
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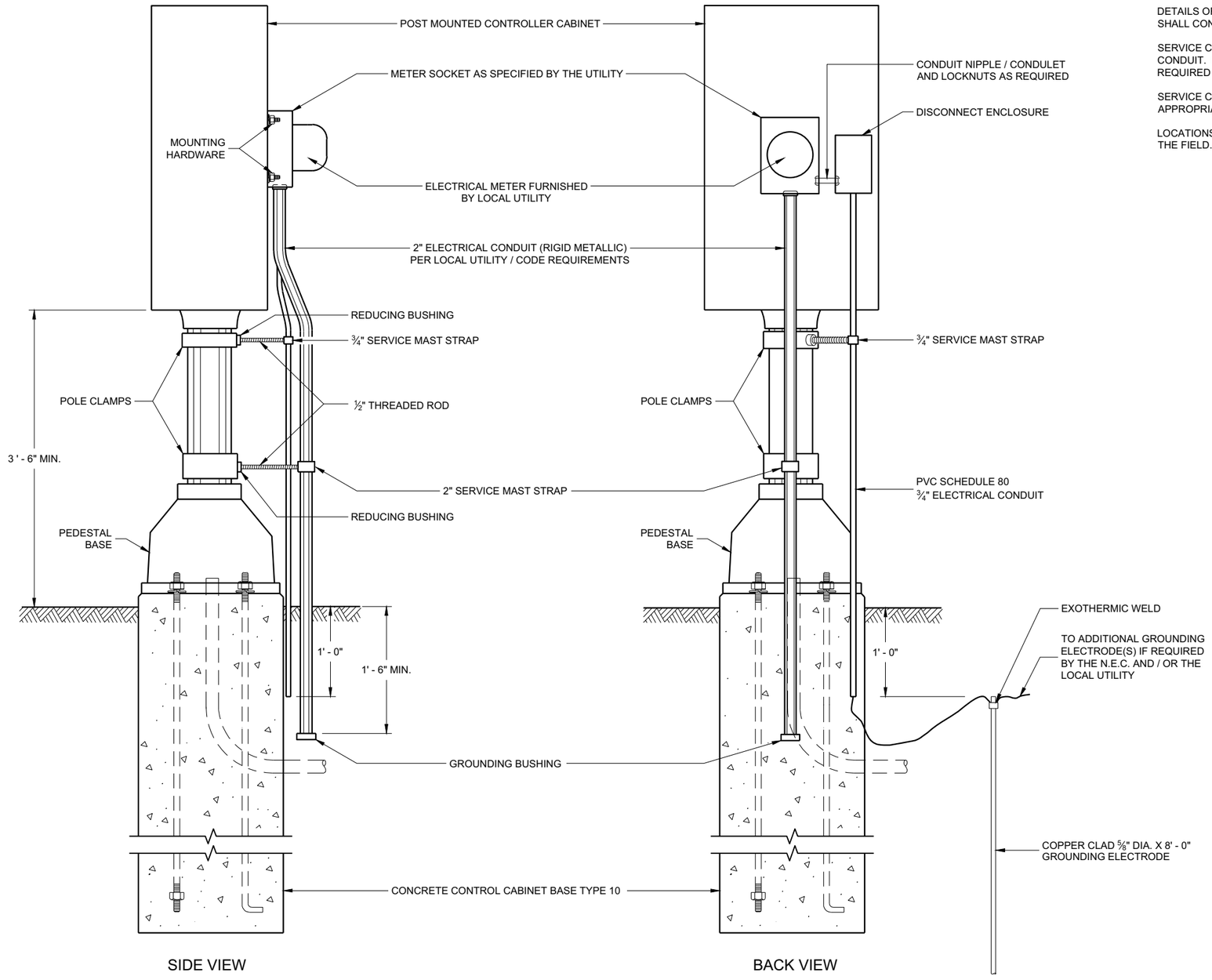

POST MOUNTED CONTROLLER SERVICE INSTALLATION

GENERAL NOTES

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

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID STEEL OR SCHEDULE 80 PVC ELECTRICAL CONDUIT. NIPPLES AND/OR CONDULETS, WITH LOCK NUTS AND GROUNDING BUSHINGS AS REQUIRED BY THE N.E.C. OR THE LOCAL UTILITY.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AS REQUIRED AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED ELECTRICAL CODE.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

POST MOUNTED CONTROLLER SERVICE INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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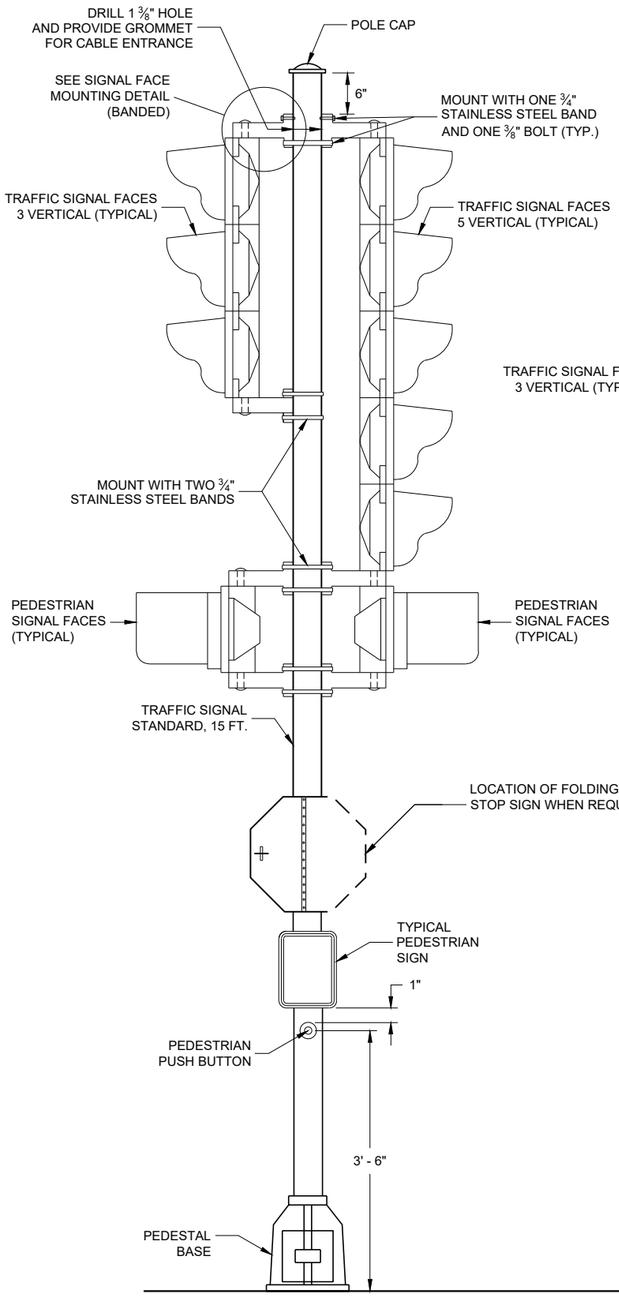
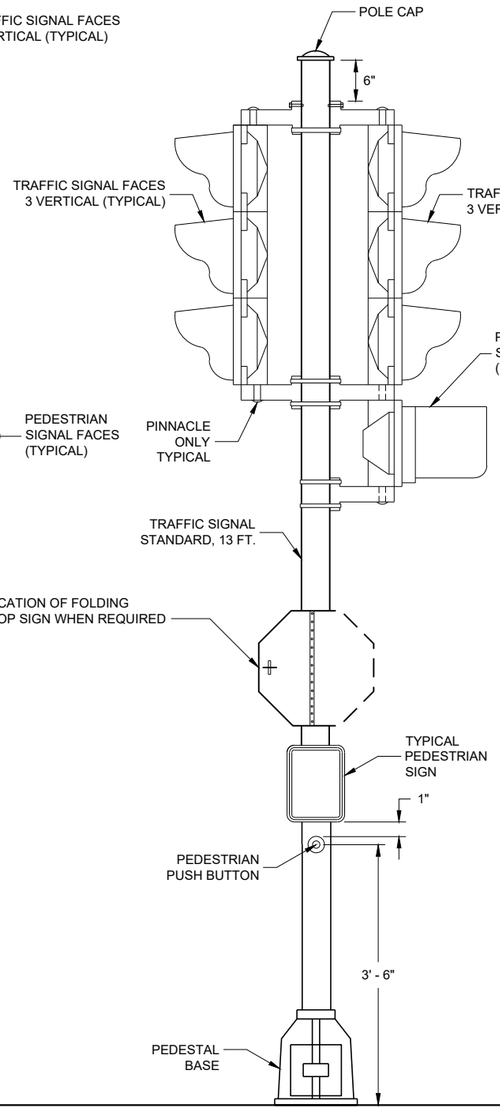
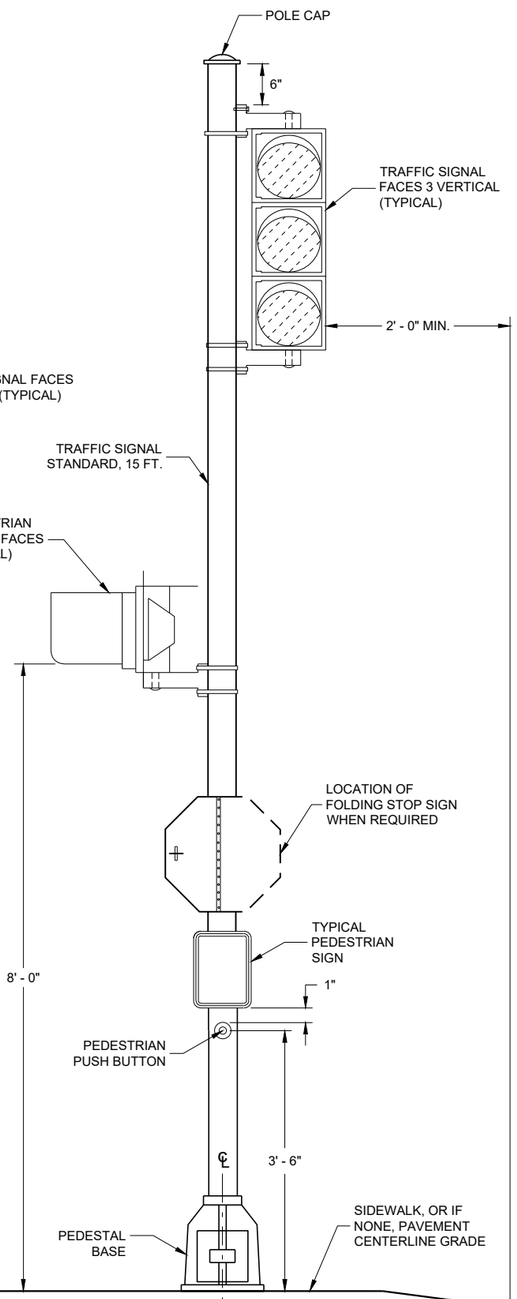


TRAFFIC SIGNAL STANDARD - 15 FT.



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.

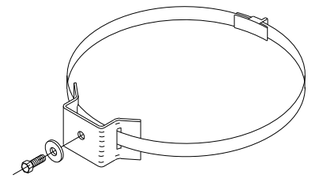
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

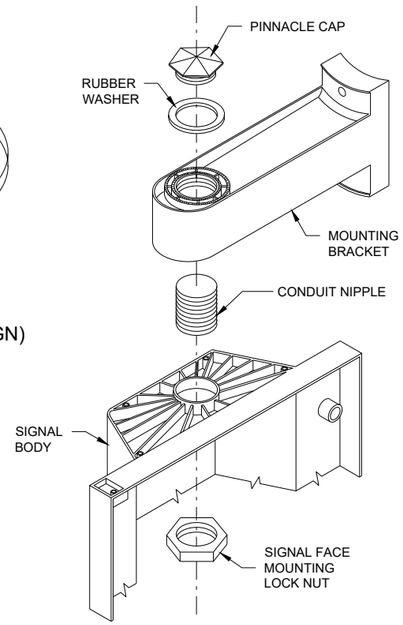
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

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
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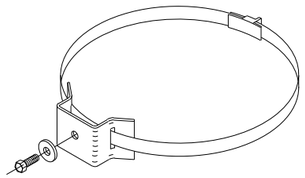
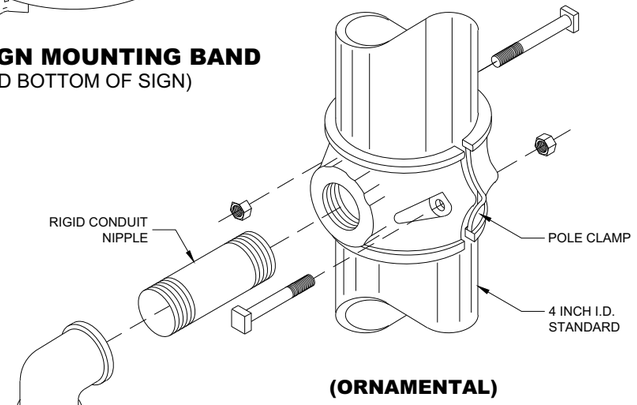


TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



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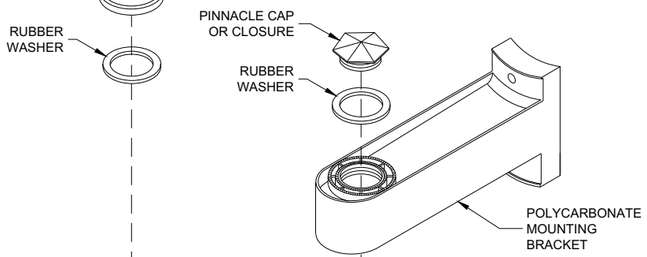
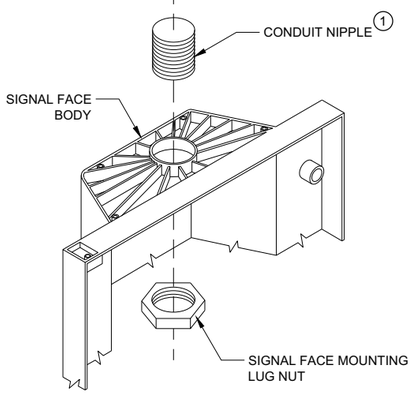
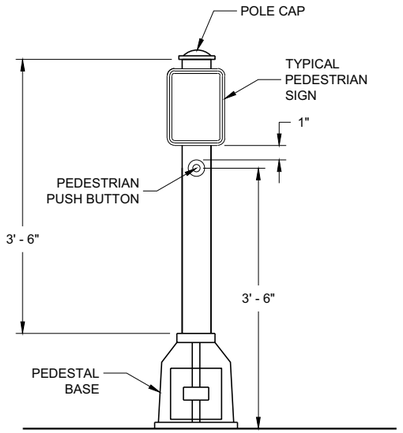


(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

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.

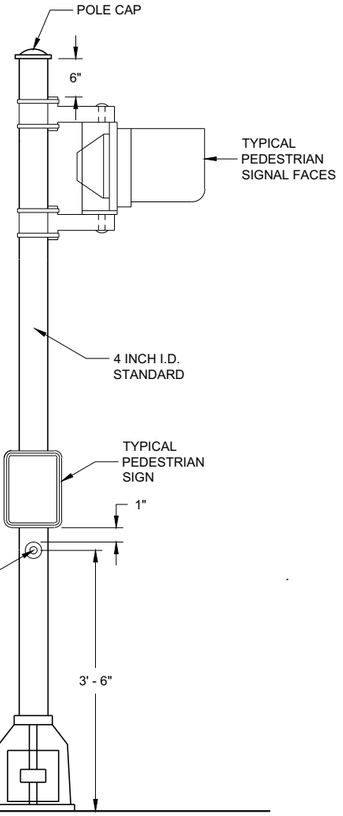
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

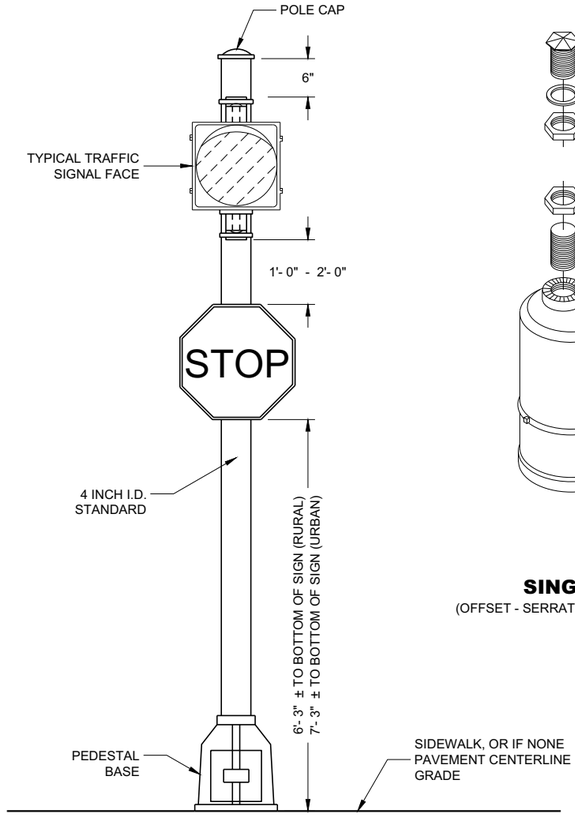
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

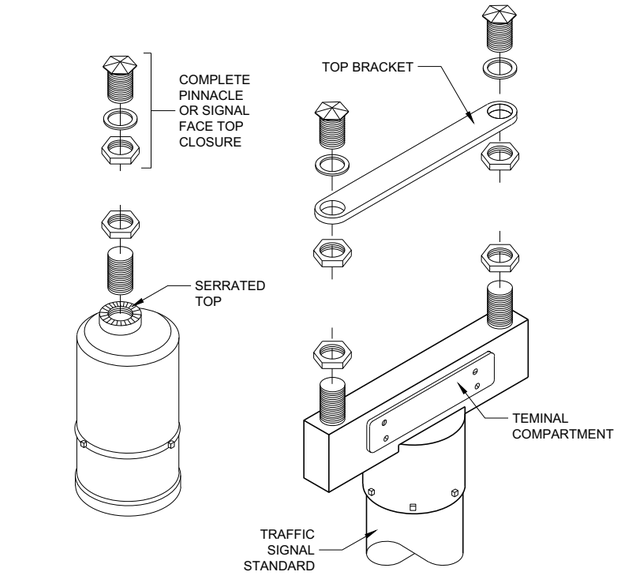
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2018
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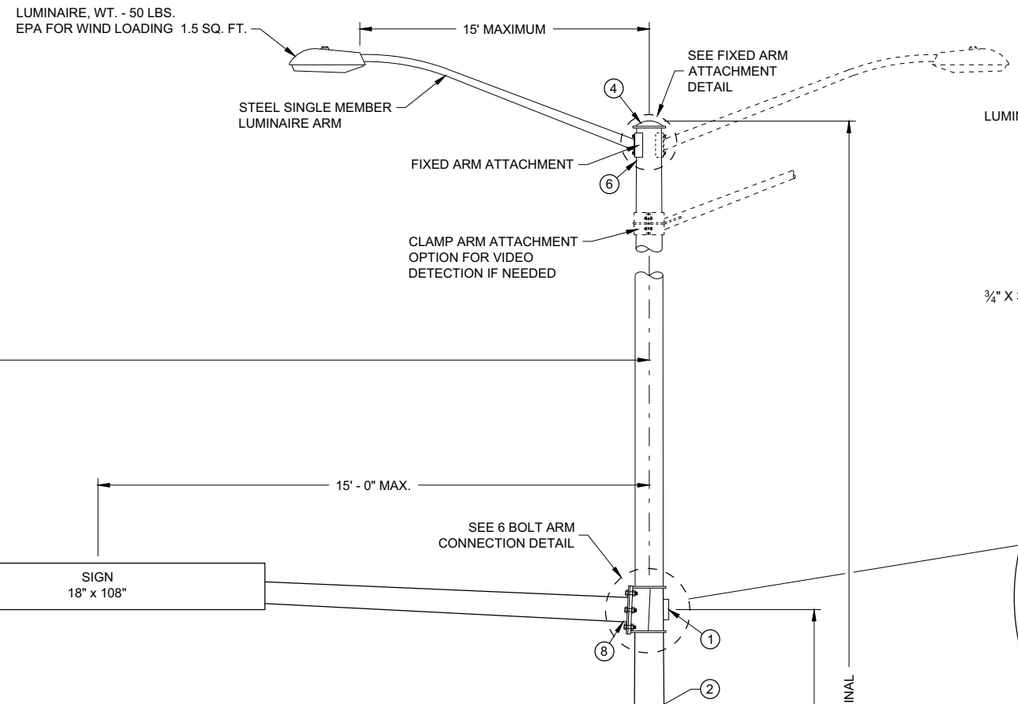
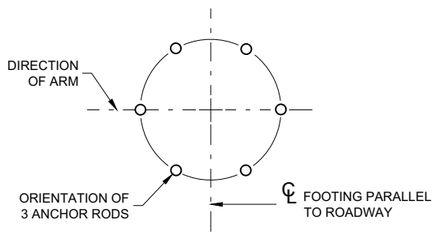
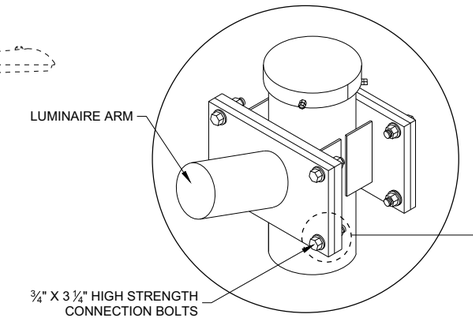


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

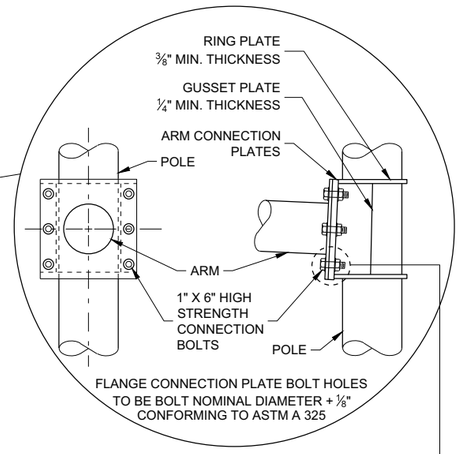
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



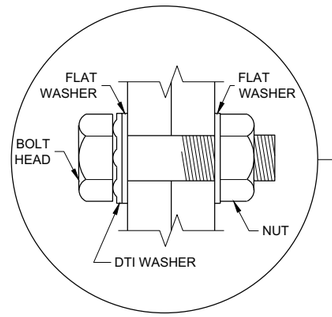
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
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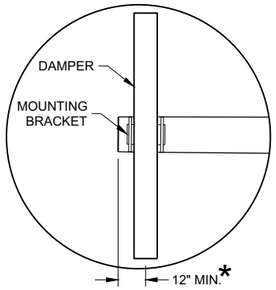
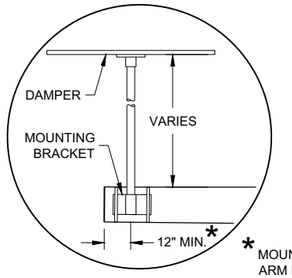
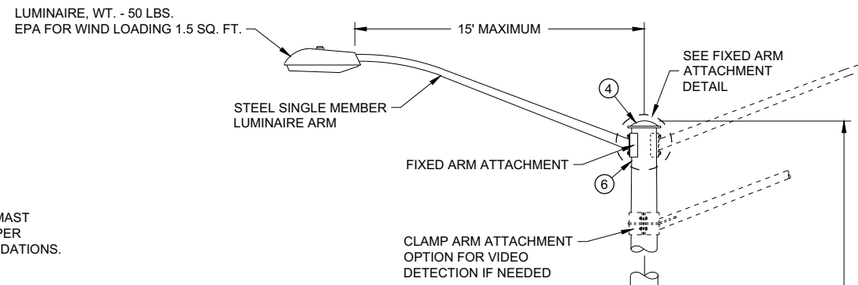


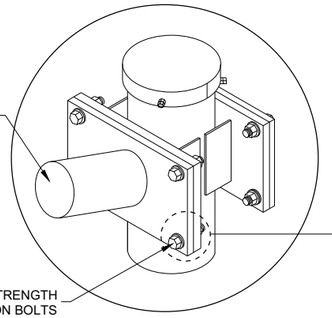
DUMBBELL VIBRATION DAMPER



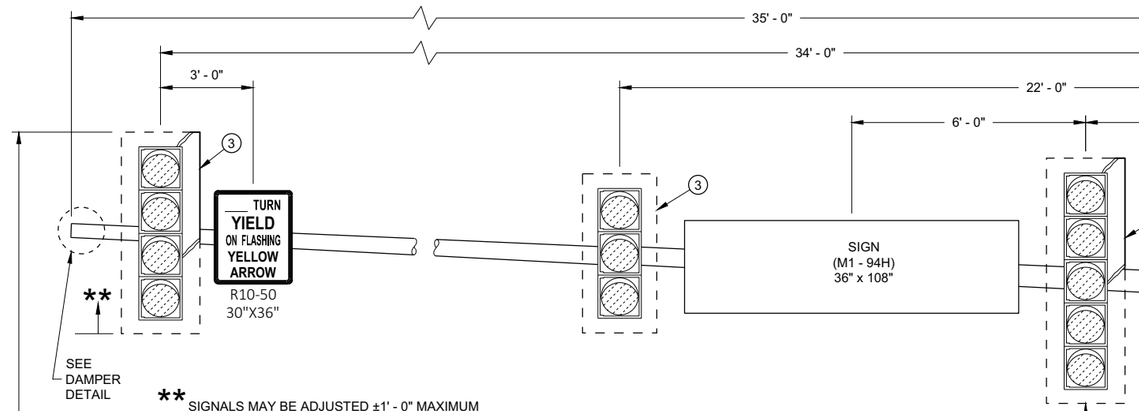
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.

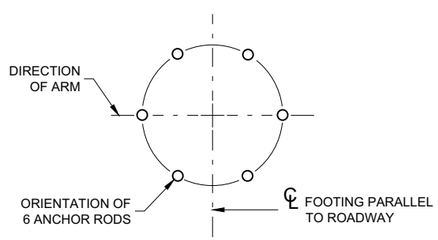




FIXED ARM ATTACHMENT DETAIL

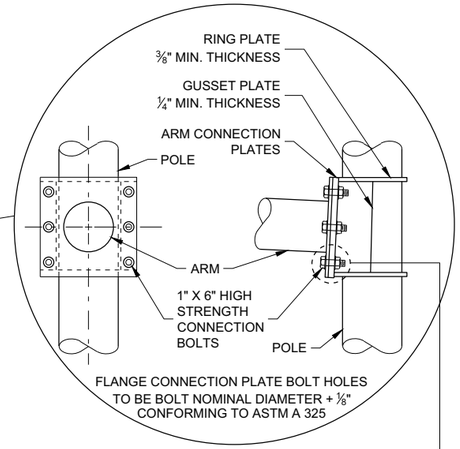


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

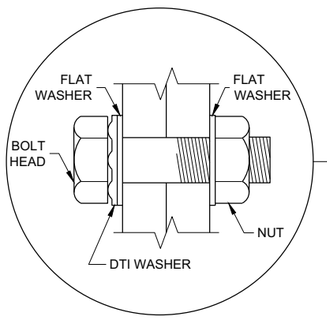


ANCHOR ROD LOCATION

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

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GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

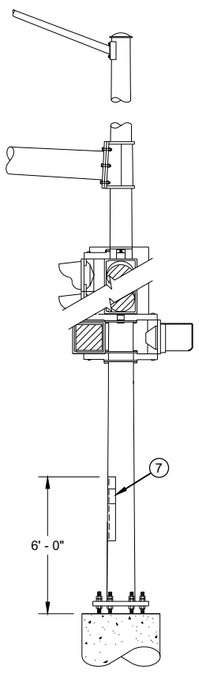
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

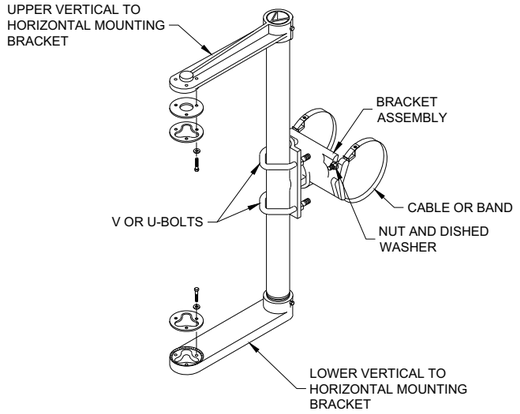
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

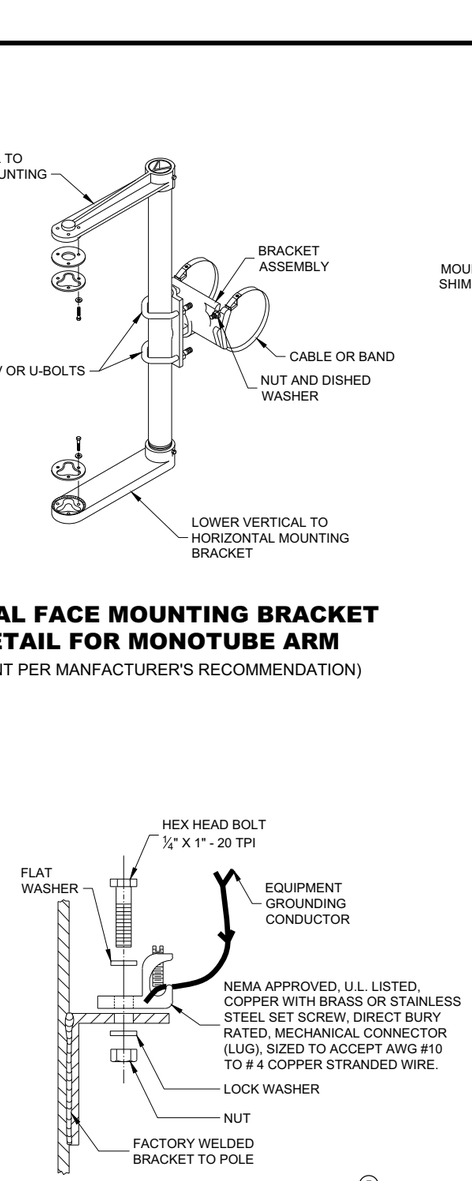


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



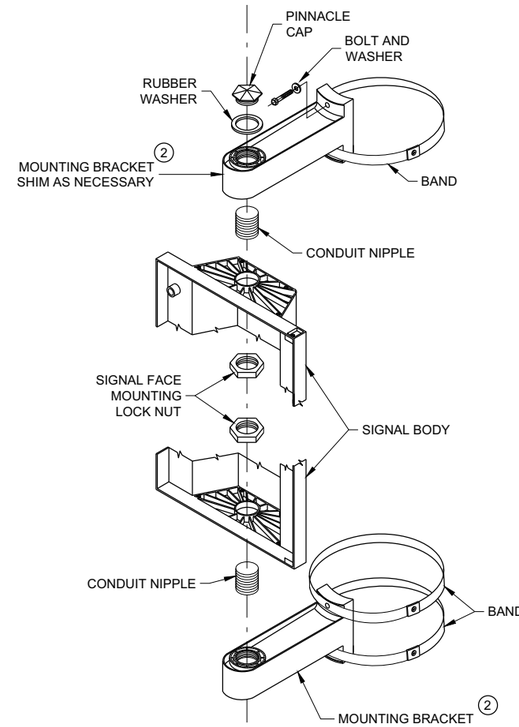
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

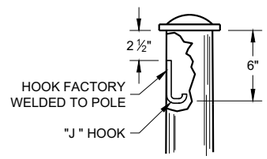


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

FHWA

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SDD 09E08 - 09k

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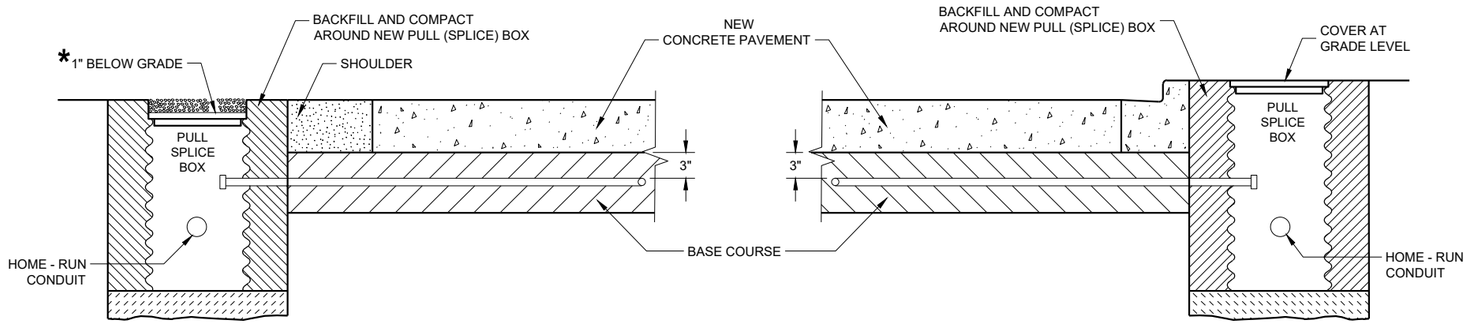
SDD 09E08 - 09k



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.

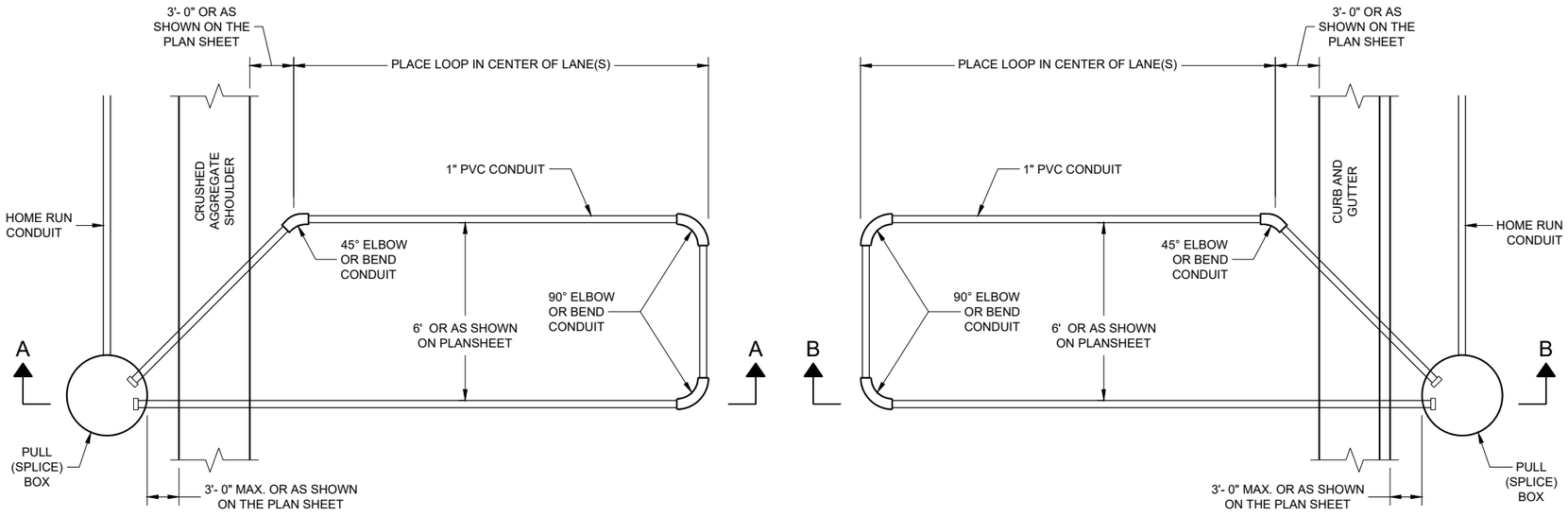
THE #12 AWG LOOP WIRE IN THE ROADSIDE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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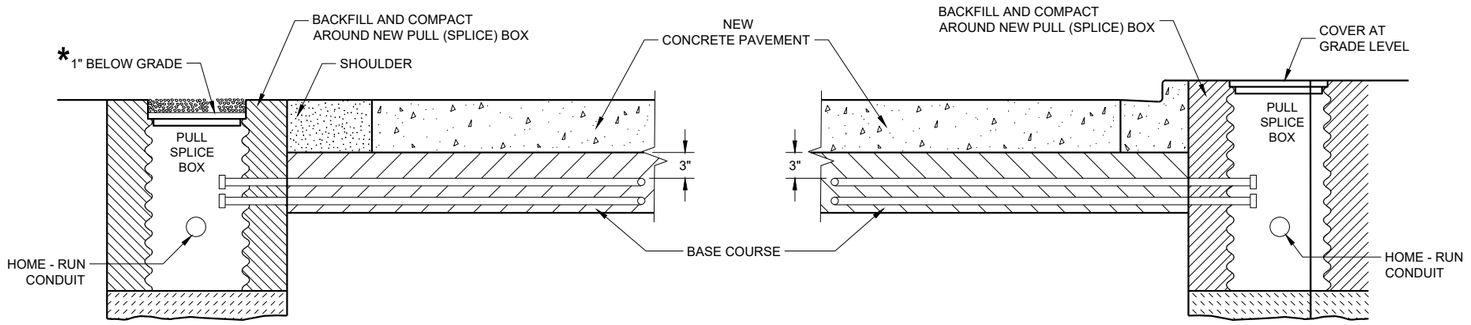


SECTION A - A
NO CURB AND GUTTER

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.

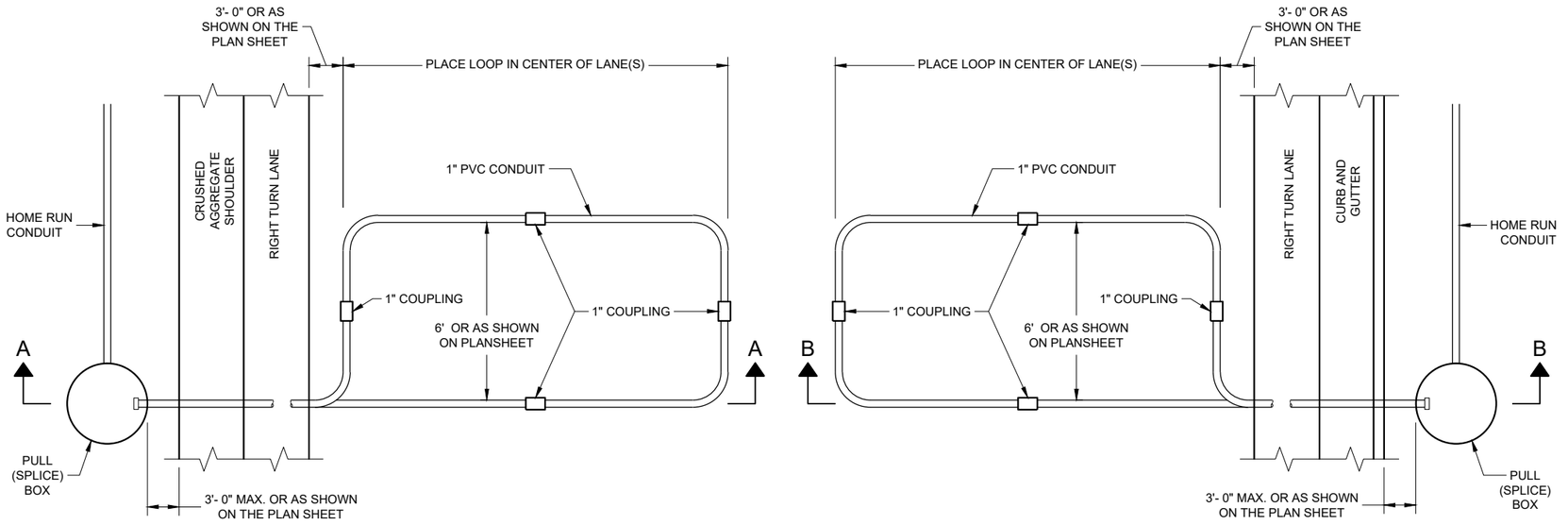
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

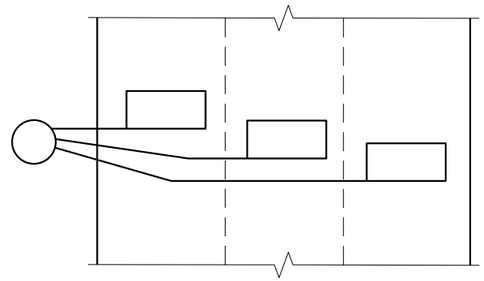
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

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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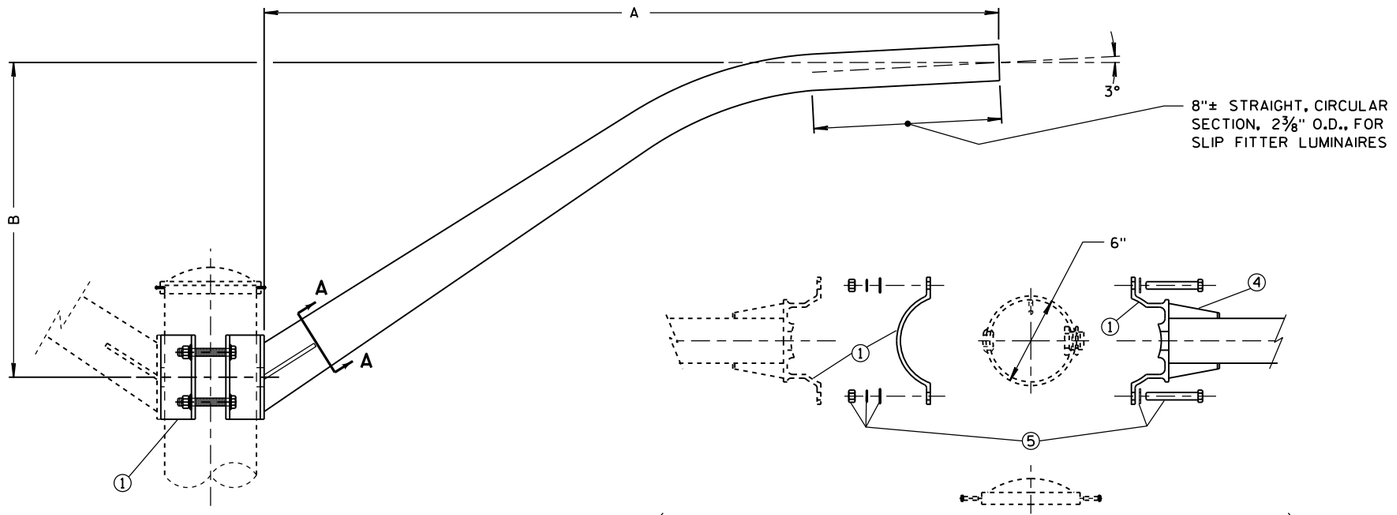
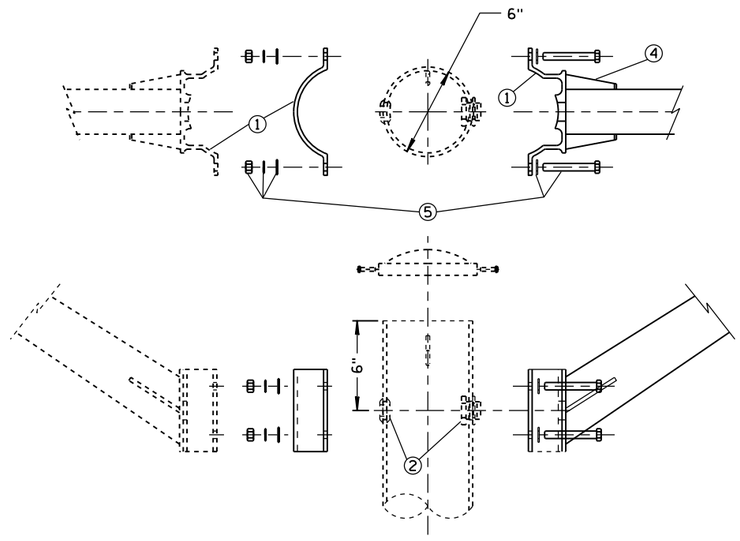


LUMINAIRE ARMS, SINGLE MEMBER, 6-INCH CLAMP - FOR POLES, TYPE 7, A OR E

VARIOUS LENGTHS (SEE TABLE)



CLAMP ASSEMBLY

SINGLE MEMBER CLAMP SHOWN

TYPE	DIM. A NOMINAL ARM LENGTH (FT)	DIM. B APPROX. RISE (FT)
SINGLE MEMBER	4.0	2.0
SINGLE MEMBER	8.0	3.0
SINGLE MEMBER	10.0	3.0
SINGLE MEMBER	15.0	3.0

GENERAL NOTES

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

ARMS AND CLAMP EXTRUSIONS SHALL BE CONSTRUCTED OF NATURAL FINISH 6063-T6 ALUMINUM.

HEAT TREATMENT OF WELDS IN STRUCTURAL AREAS IS REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A..

① CLAMPS SHALL BE EXTRUDED ALUMINUM.

② RACE WAY: 1 3/8" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE AND NUT (OR NEOPRENE GROMMET) PER EACH REQUIRED LUMINAIRE ARM. PROVIDE 1 1/2" HOLE IN CLAMP EXTRUSION TO CONTINUE RACEWAY.

③ STIFFENER

④ GUSSETS REQUIRED.

⑤ CLAMP BOLT ASSEMBLY (BOLT - 1/2"-13 UNC, 2 EACH - FLAT WASHER, LOCK WASHER, NUT) - 4 EACH PER CLAMP.

LUMINAIRE ARMS, SINGLE MEMBER 6-INCH CLAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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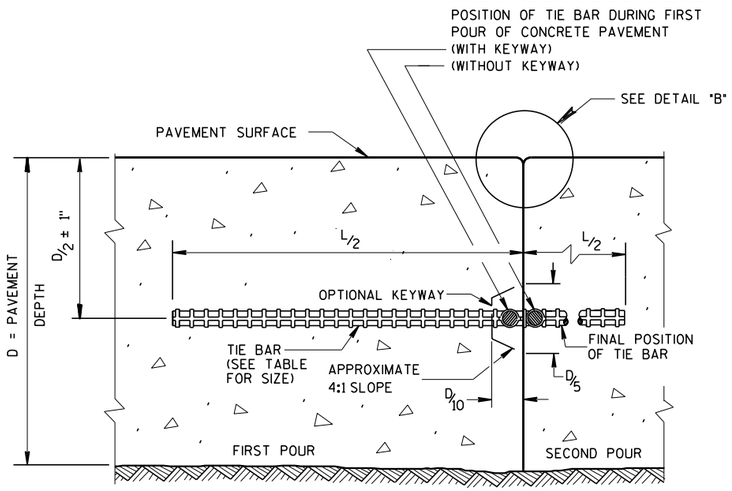
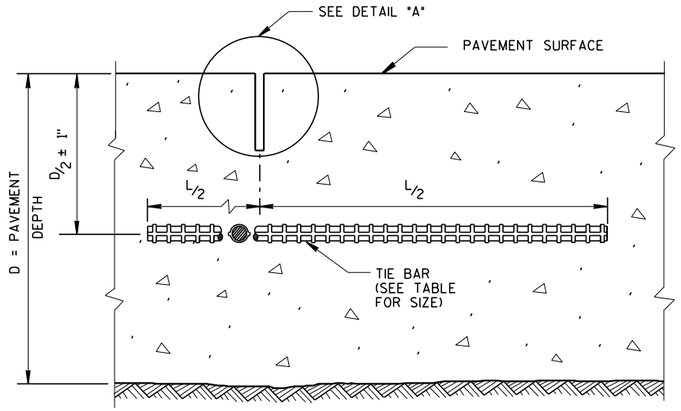


CONSTRUCTION JOINT



SAWED JOINT

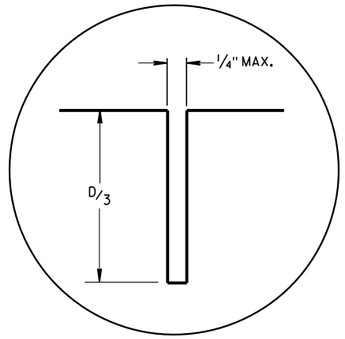
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

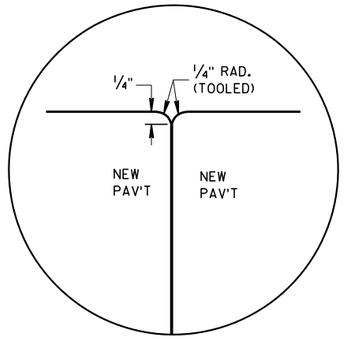
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



DETAIL "A"



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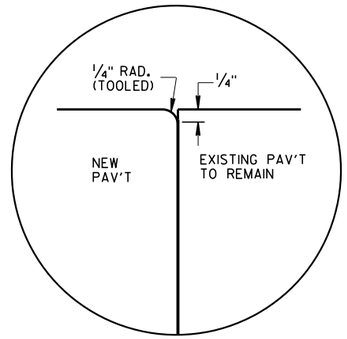

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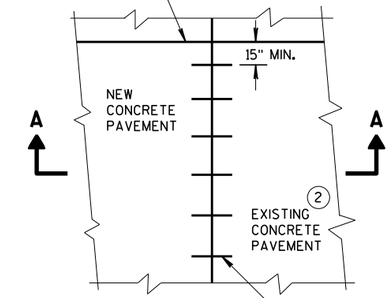
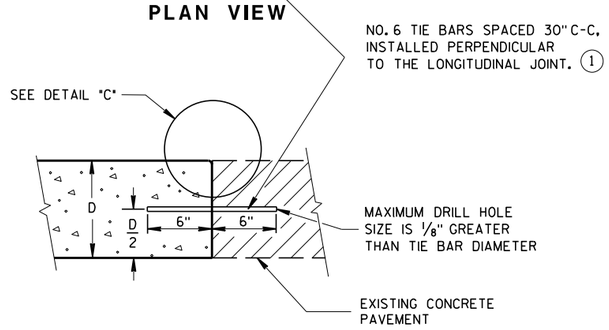


PLAN VIEW



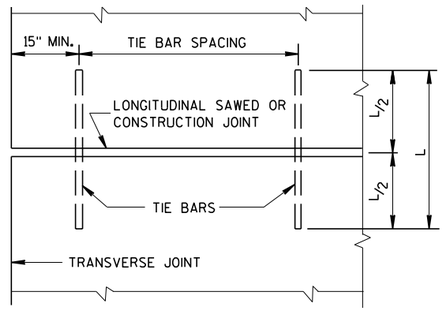
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

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
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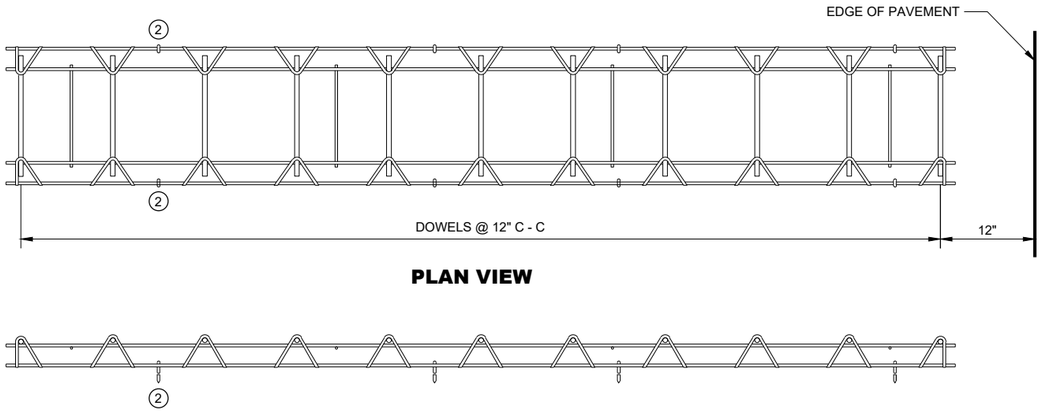
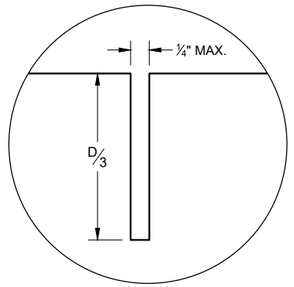


PLAN VIEW

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.

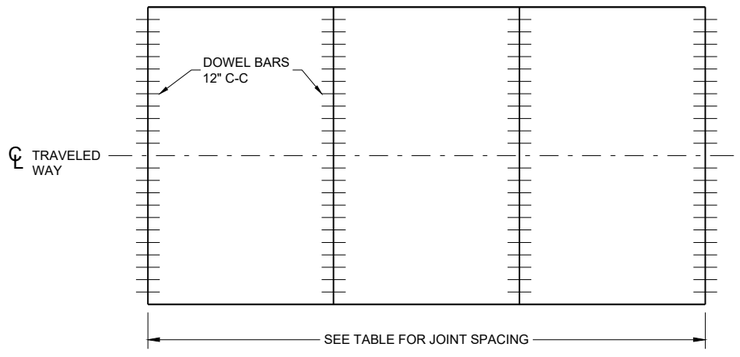
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

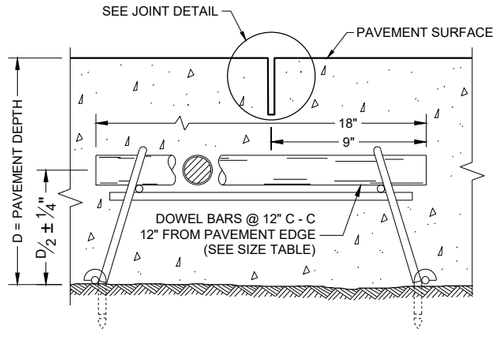
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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.



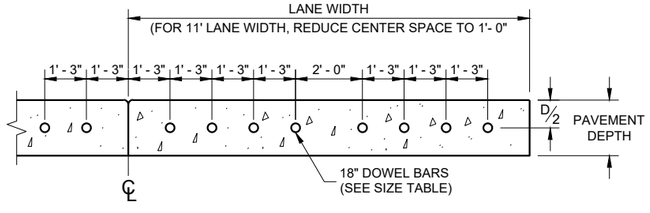
CONTRACTION JOINT LOCATIONS



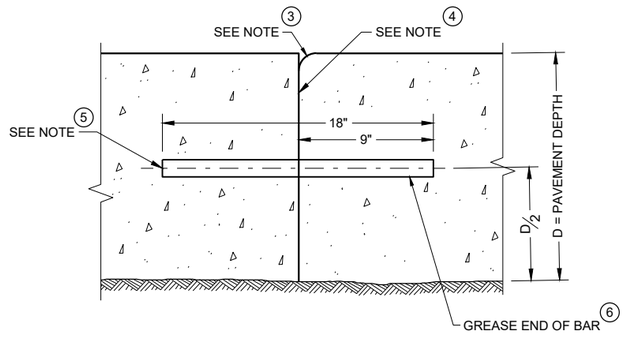
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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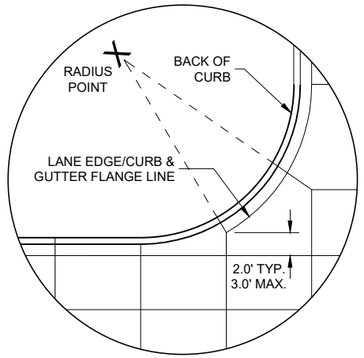
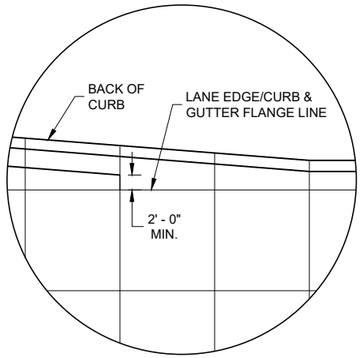
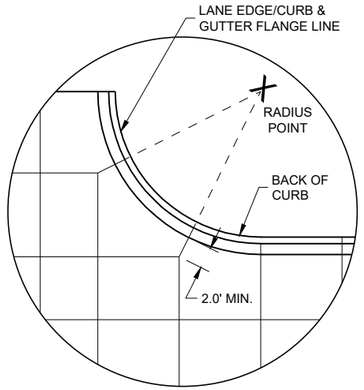


DETAIL "A"



DETAIL "B"



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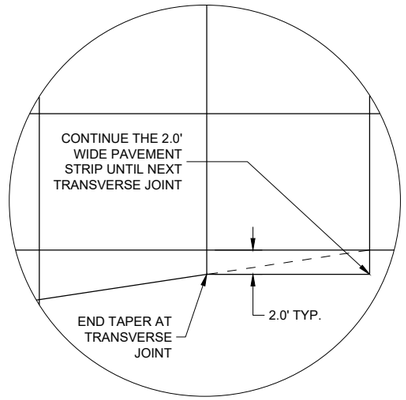


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

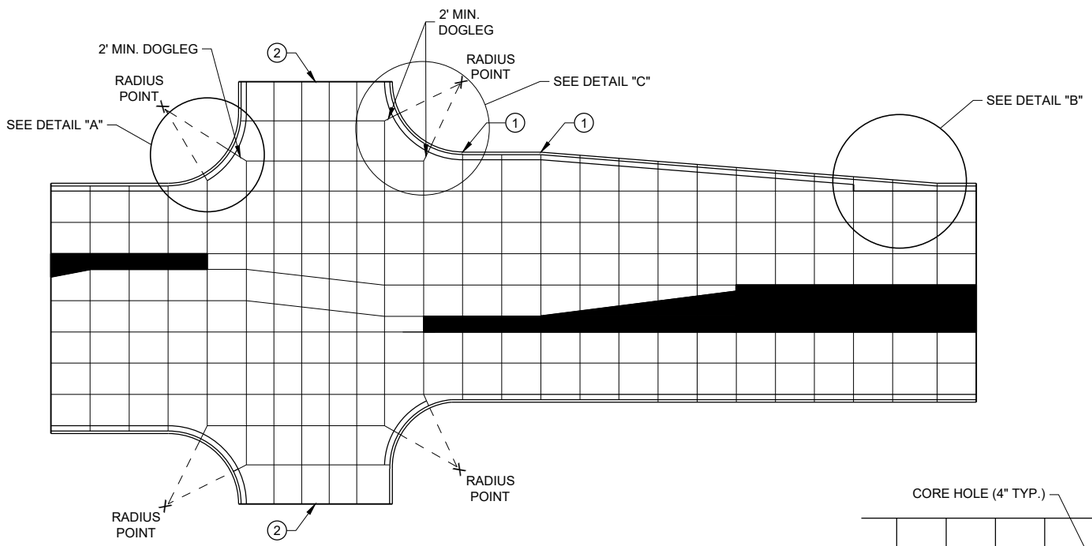
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

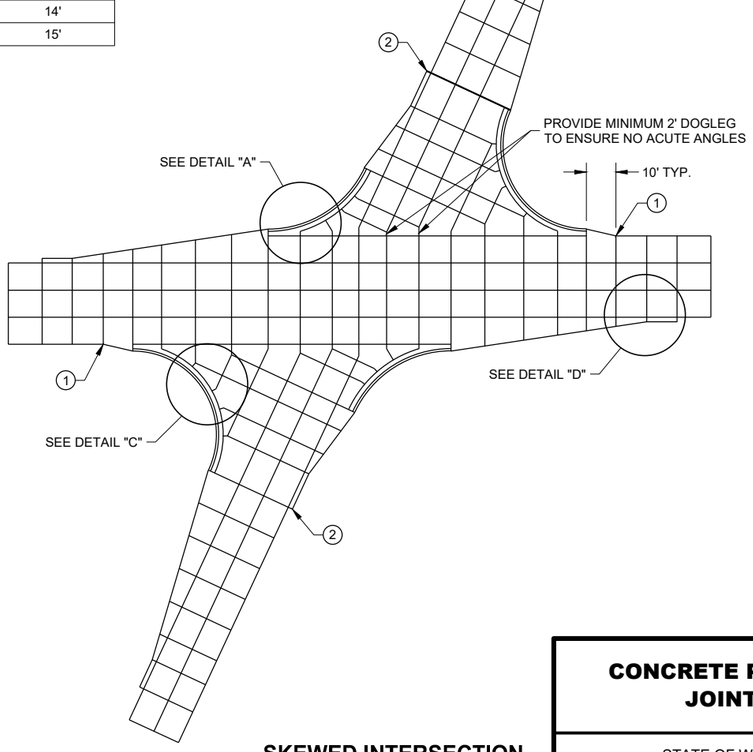
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



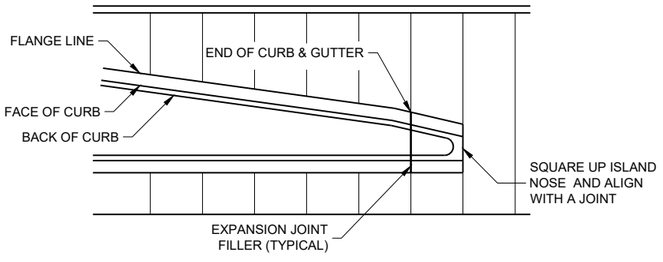
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

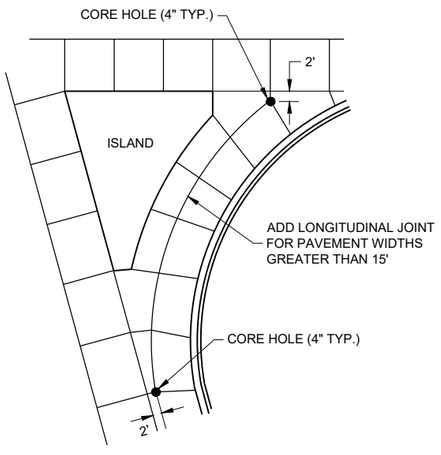
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

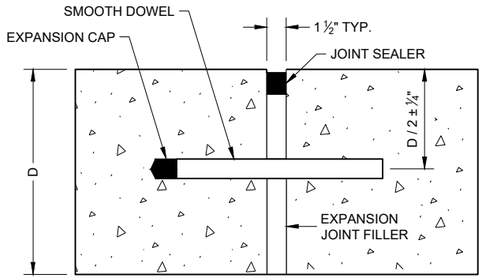
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

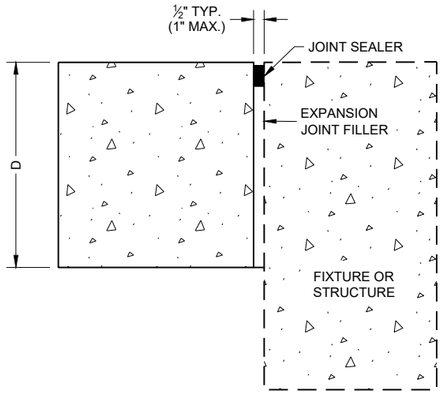
SDD 13C18 - 08a

6

SDD 13C18 - 08a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

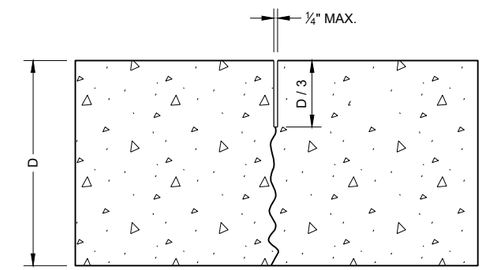
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

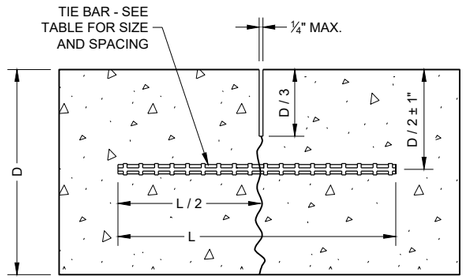
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

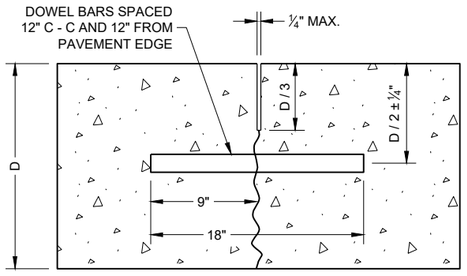
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

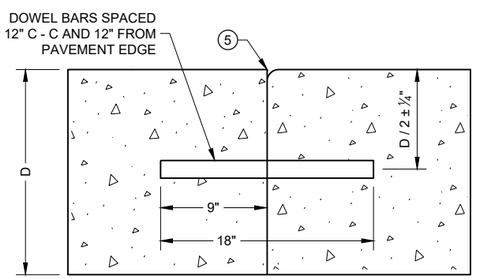


TIED LONGITUDINAL

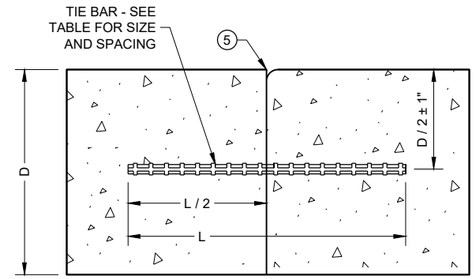


DOWELED TRANSVERSE

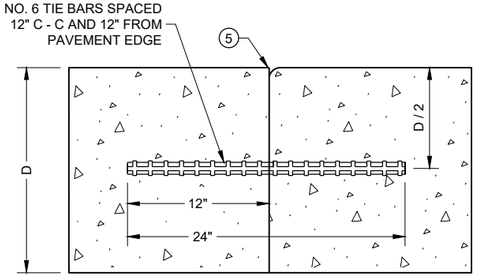
CONTRACTION JOINTS (2)



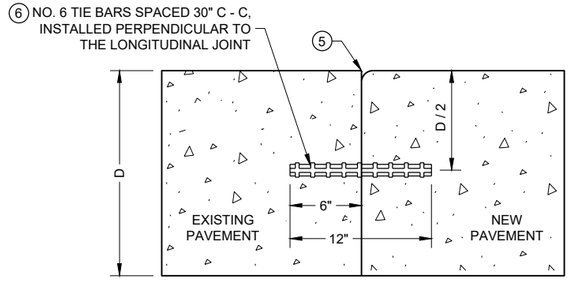
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



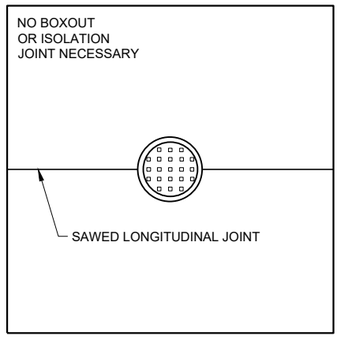
TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



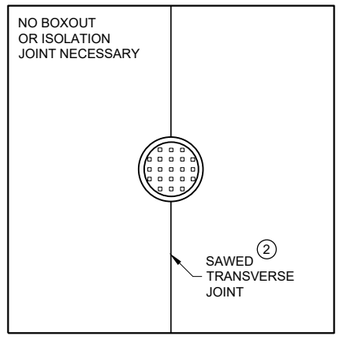
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

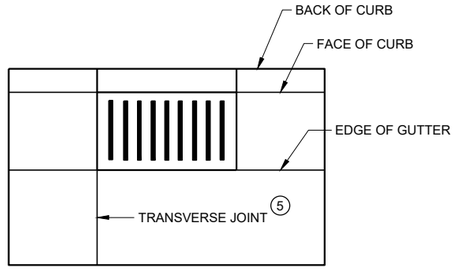
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



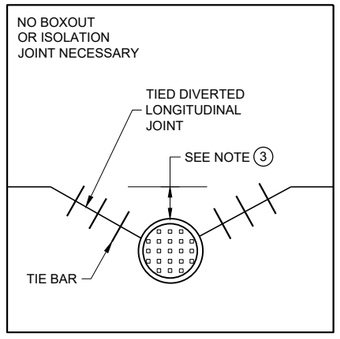
MANHOLE WITH TRANSVERSE JOINT



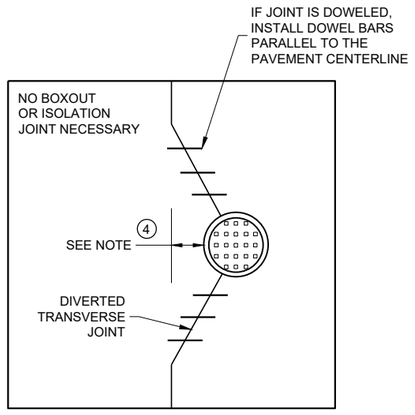
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

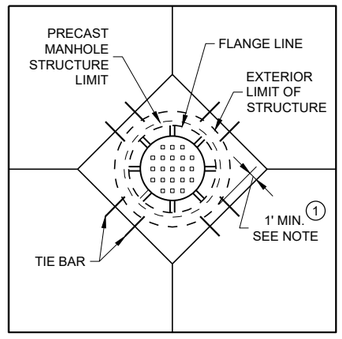
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

6

SDD 13C18 - 08d

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.

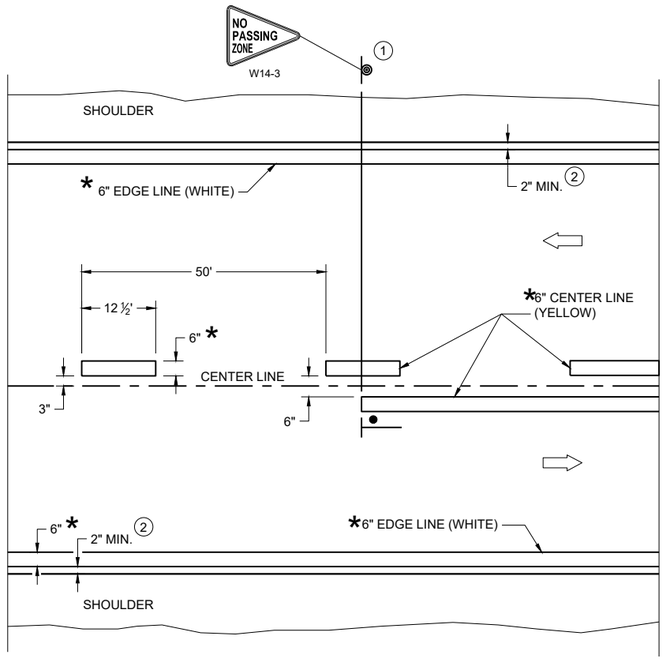
LEGEND

"T" MARKING

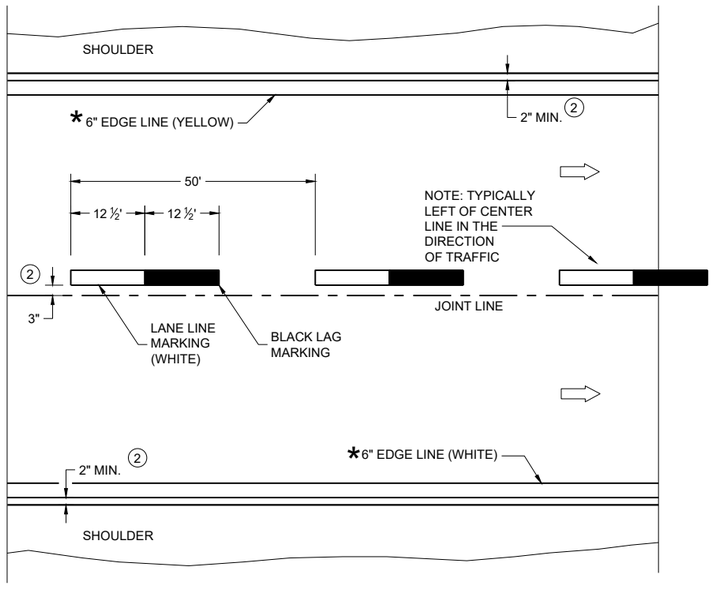
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

6

SDD 15C08-23a

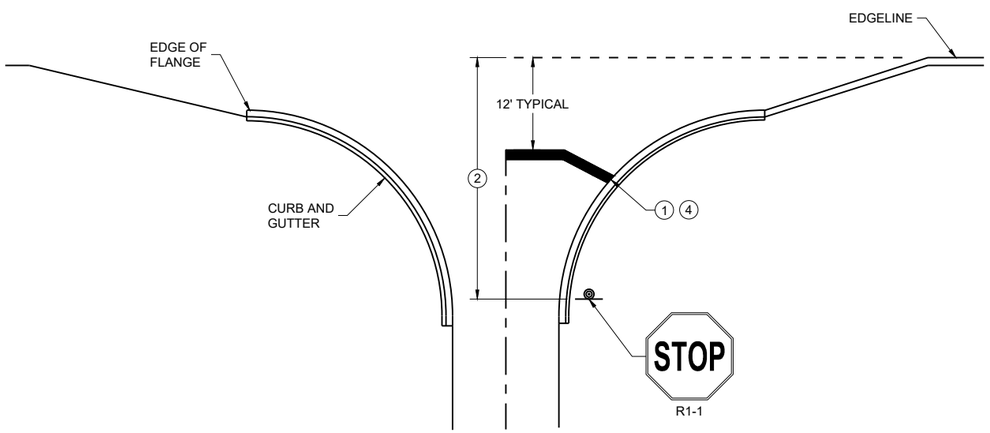
6

SDD 15C08-23a

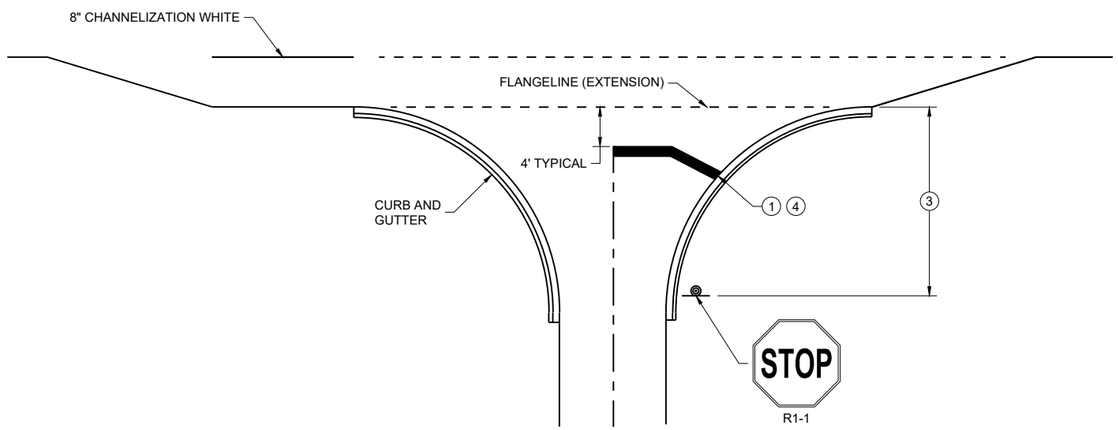
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

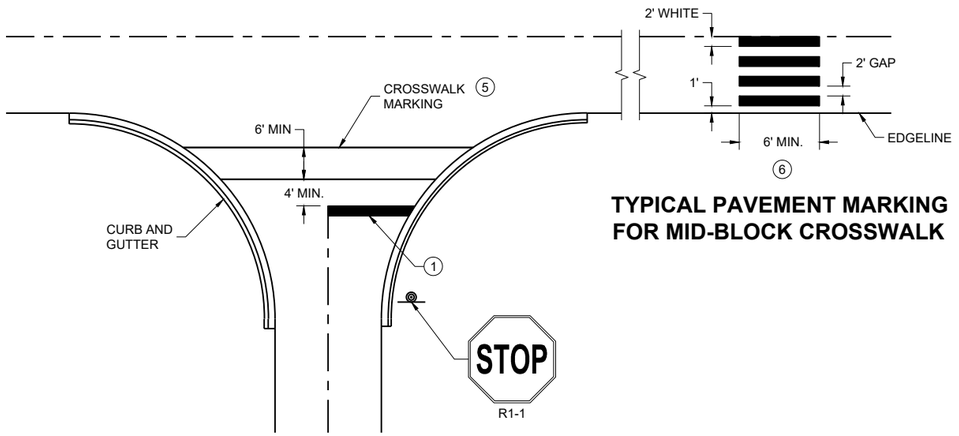
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

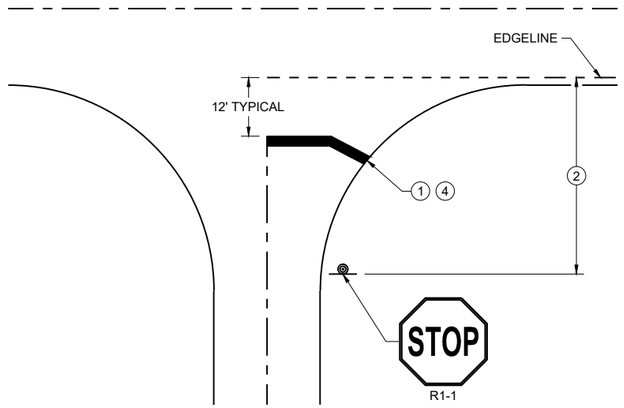


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C33-05

GENERAL NOTES

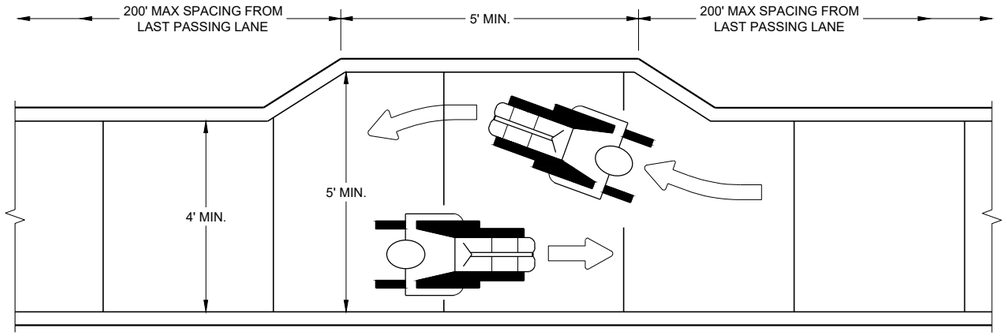
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

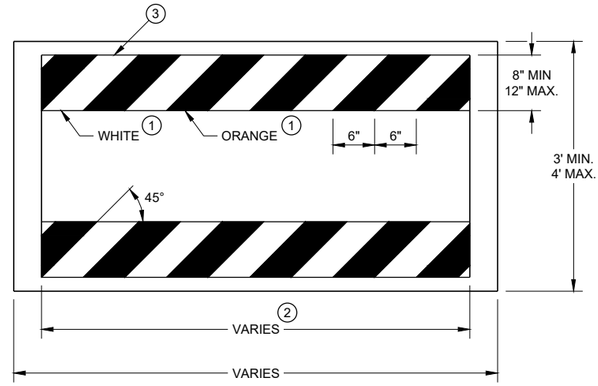
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

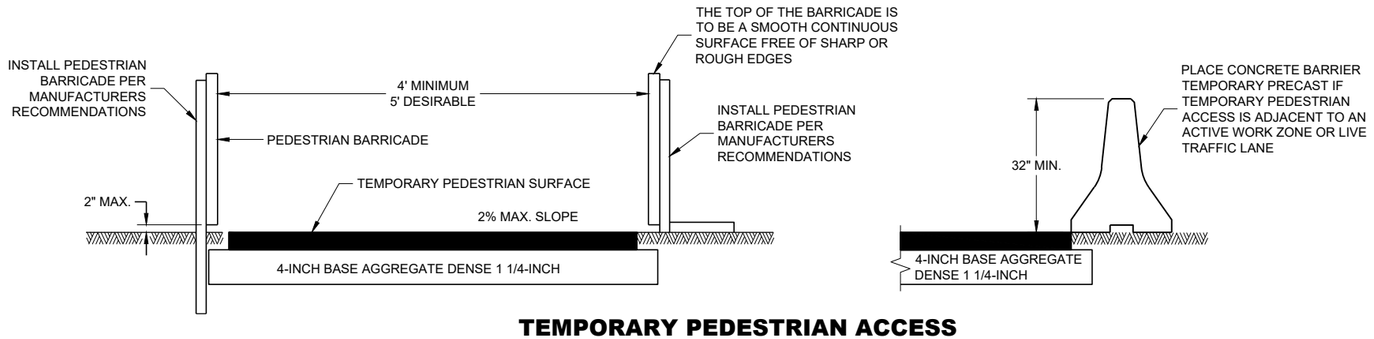
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

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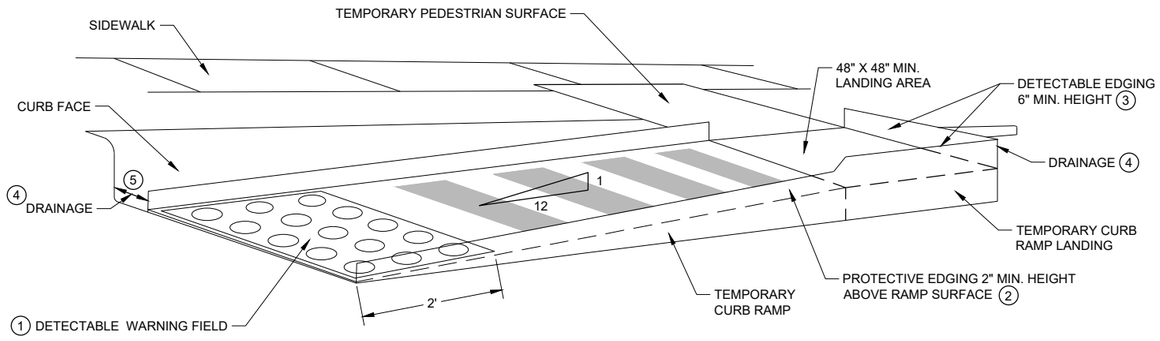
SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

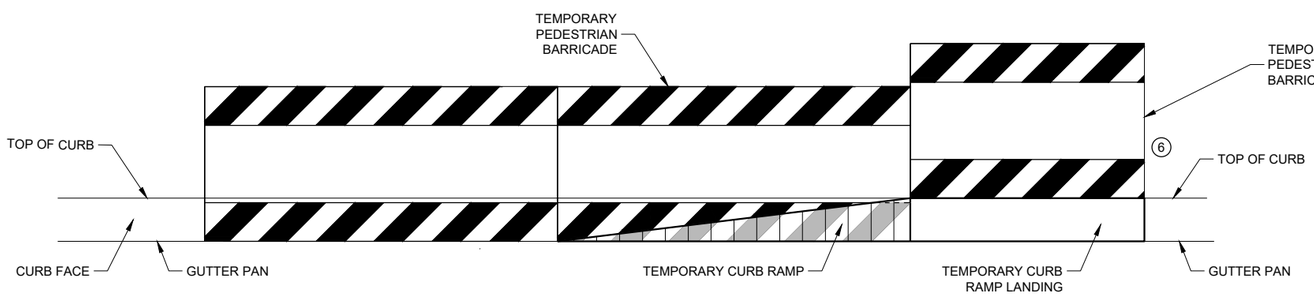
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

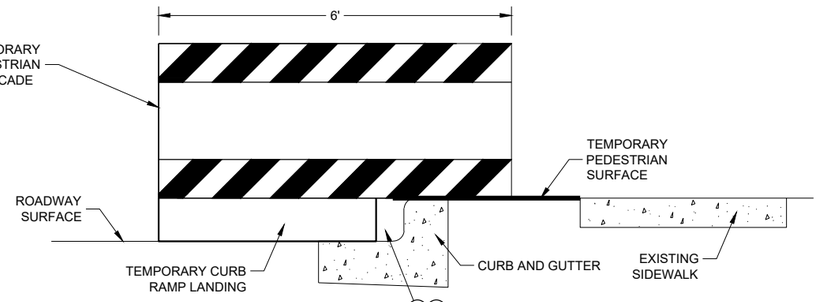
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

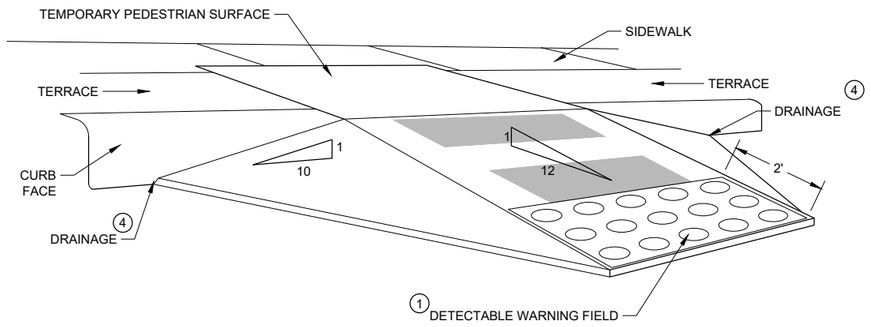
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

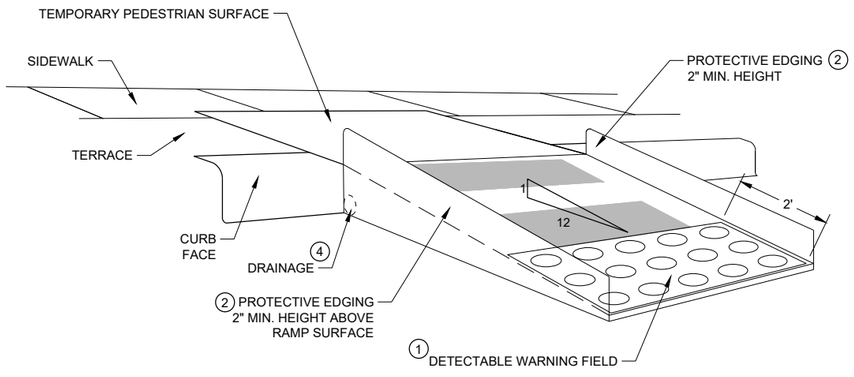
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b
SDD 15D30 - 09b



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.

6

SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

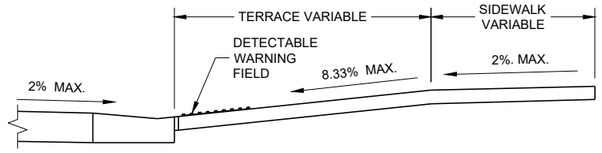
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

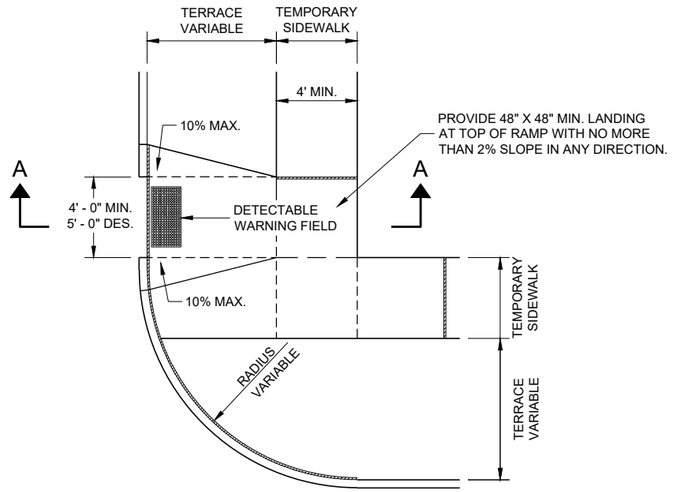
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(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

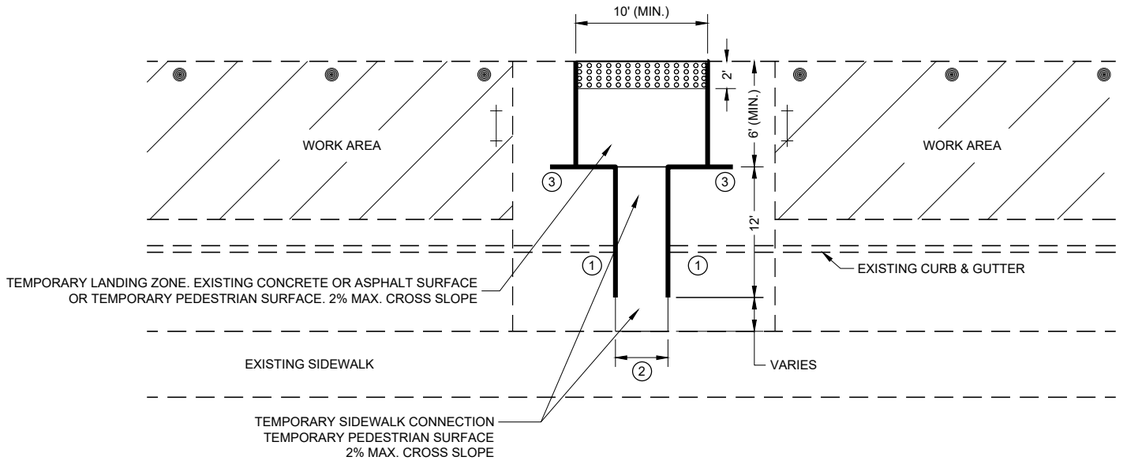
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

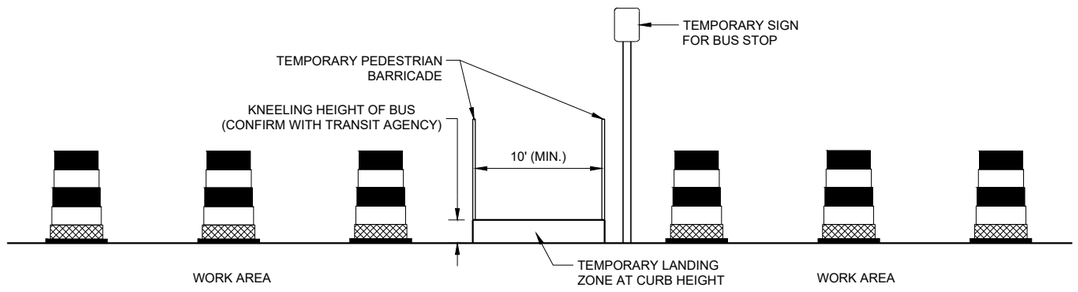
FHWA

6

SDD 15D30-09d



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

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TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

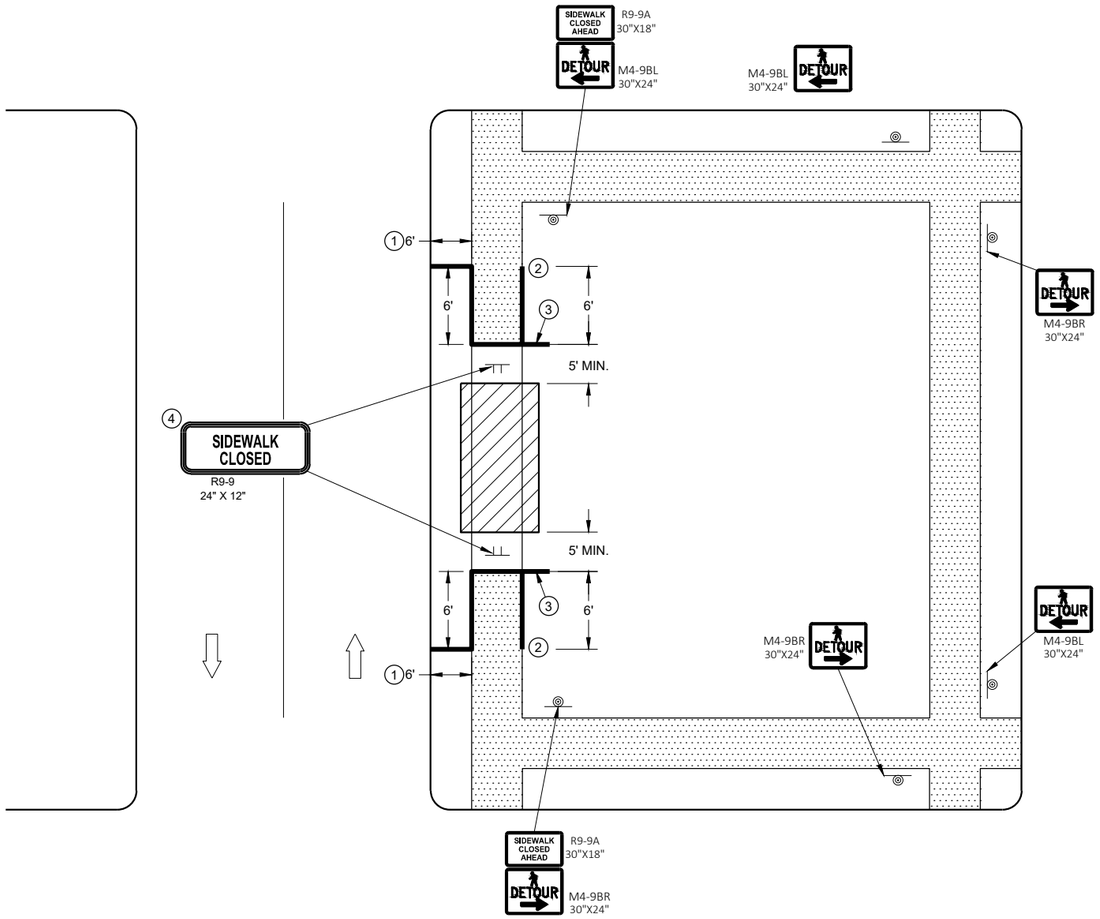
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09e

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.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09f

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

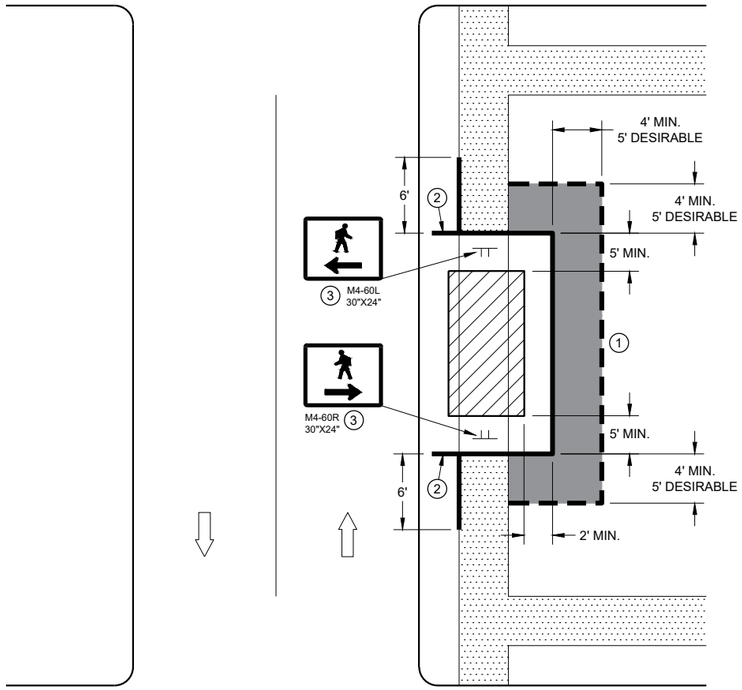
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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 - 09g

6

SDD15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

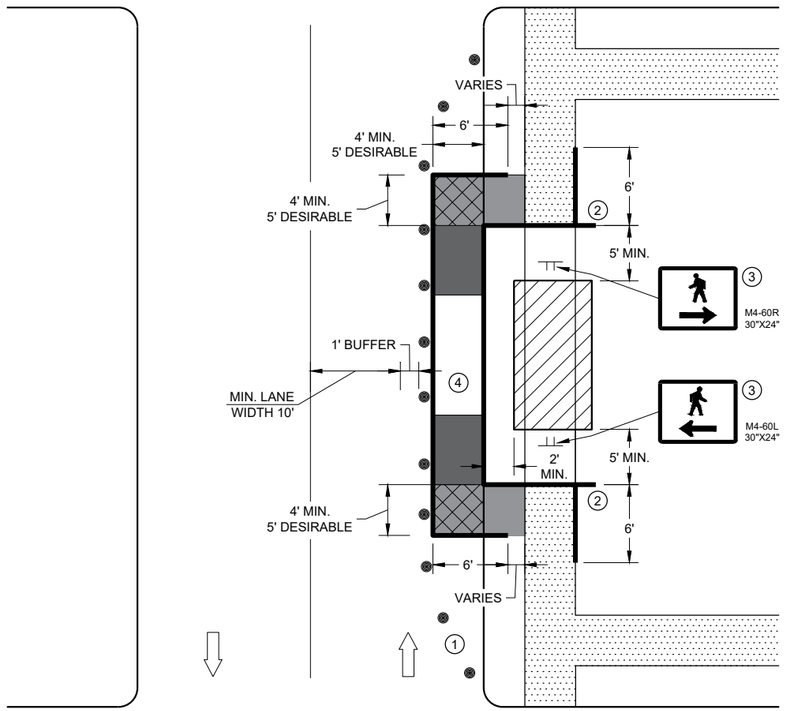
GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
2. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
4. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

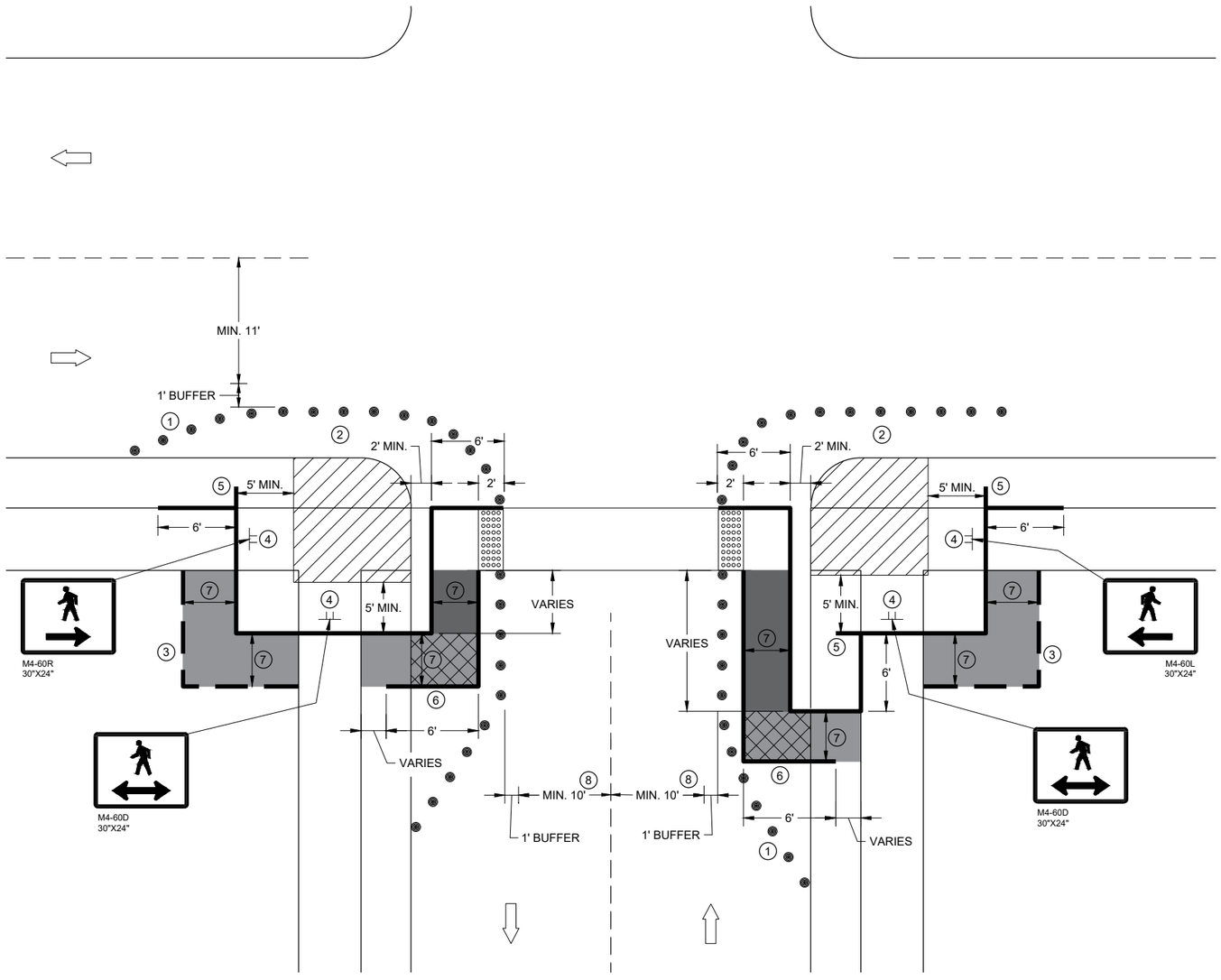
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

6

SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(7) 4 FEET MINIMUM, 5 FEET DESIRABLE

(8) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

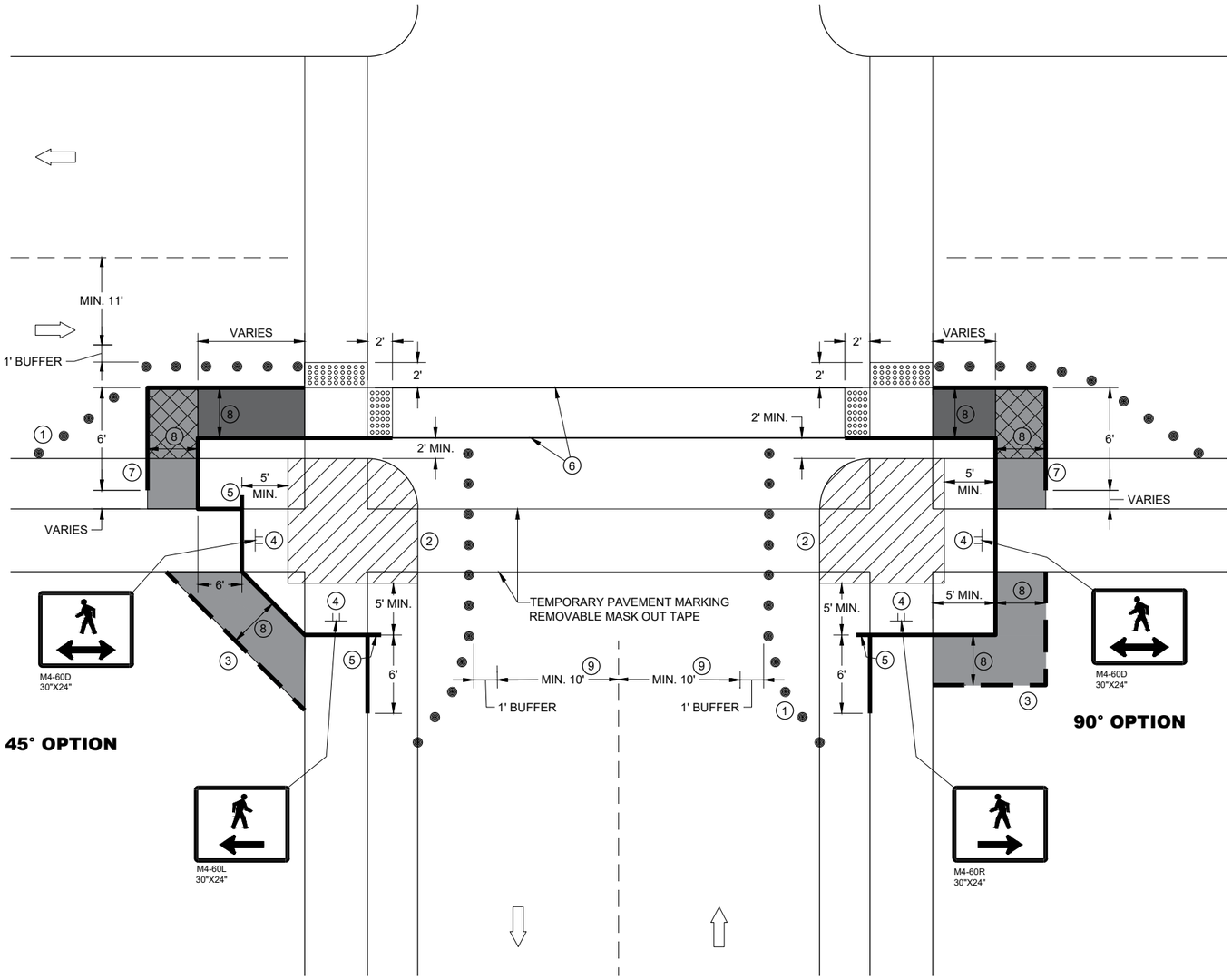
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09i

6



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

SIGN ON PERMANENT SUPPORT

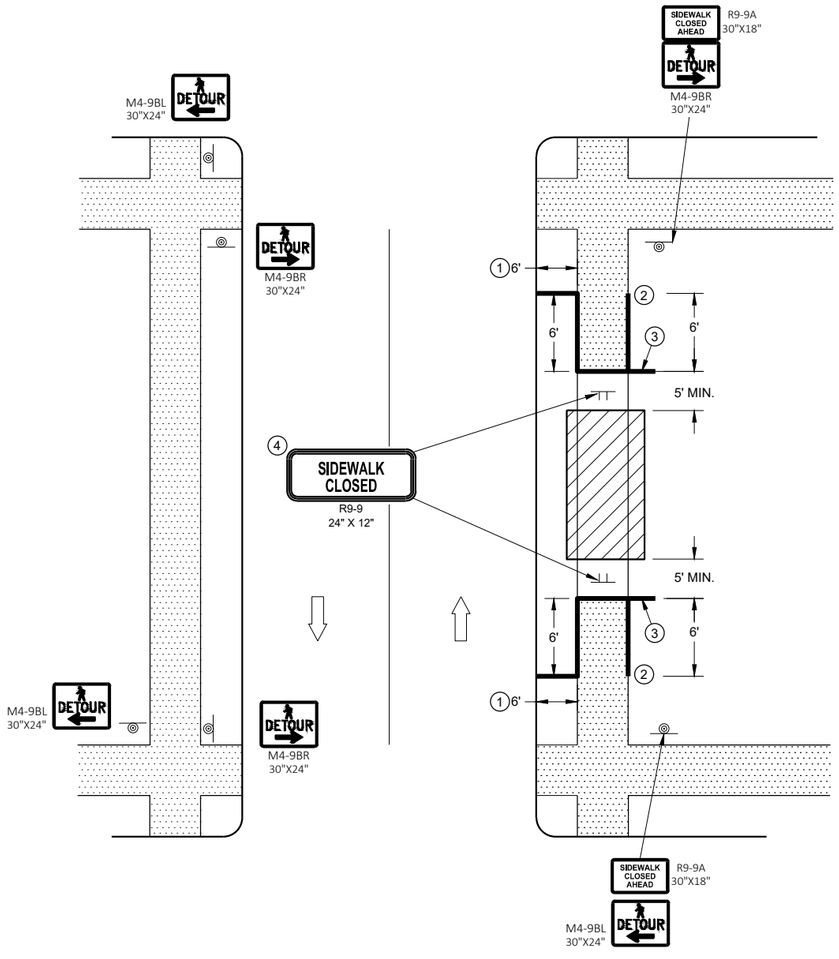
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

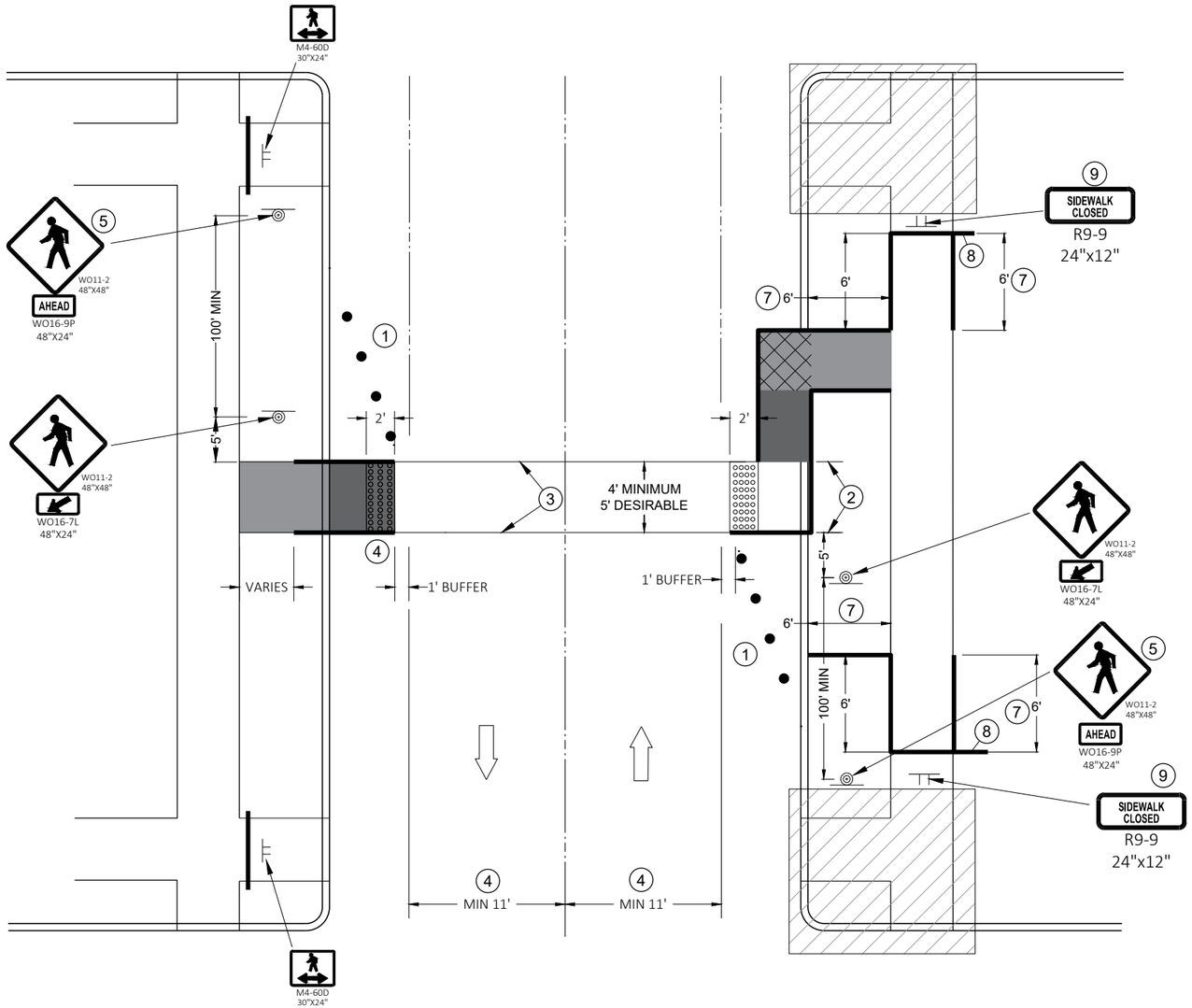
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

(1) SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) 4 FEET MINIMUM, 5 FEET DESIRABLE.

(3) WHITE 6" TEMPORARY PAVEMENT MARKING.

(4) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.

(5) IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.

(6) IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

(7) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.

(8) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(9) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

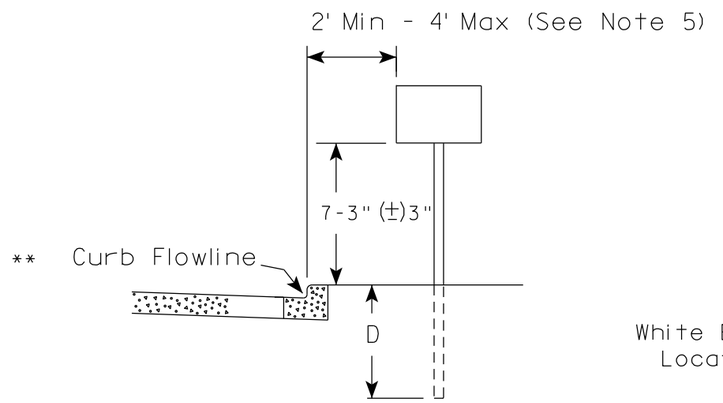
6

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

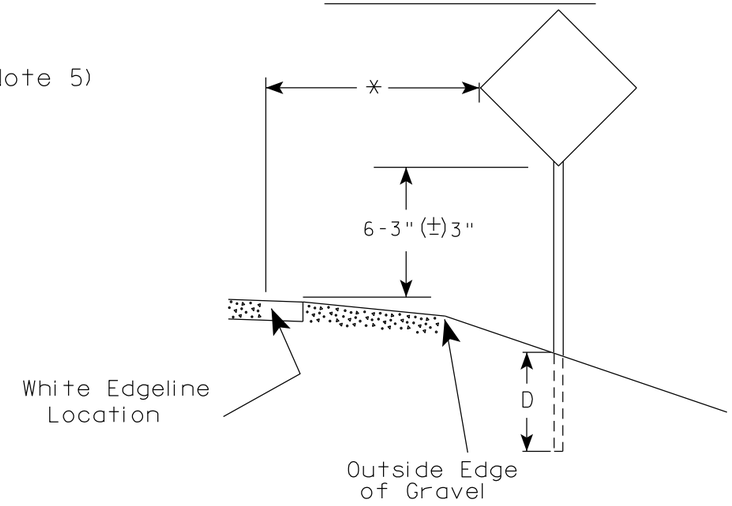
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

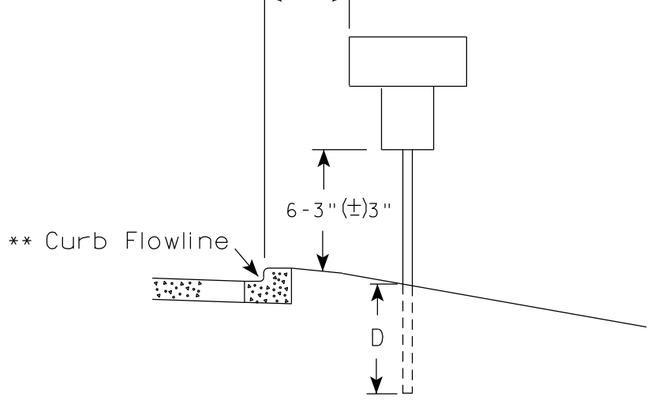
SDD 15D30 - 09L

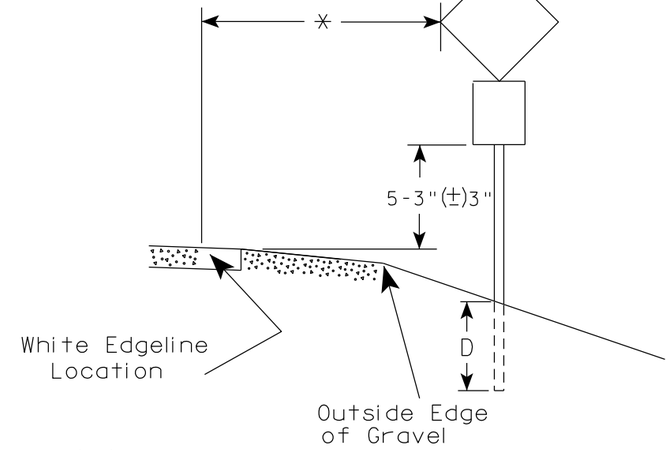
URBAN AREA



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" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

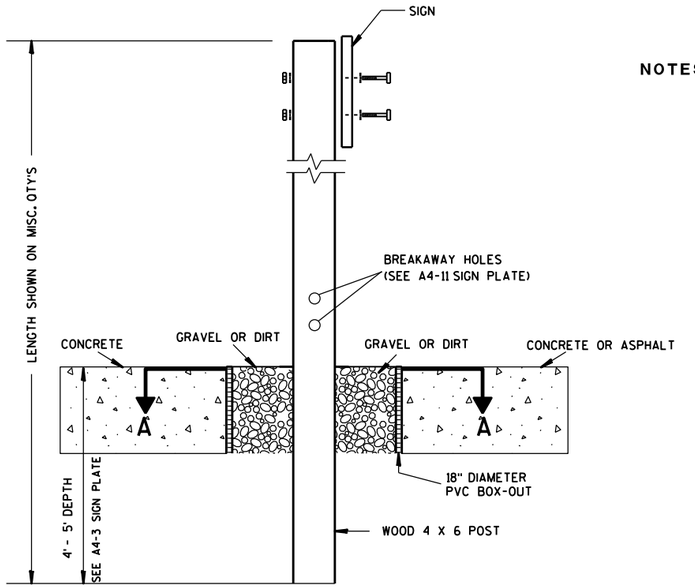
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

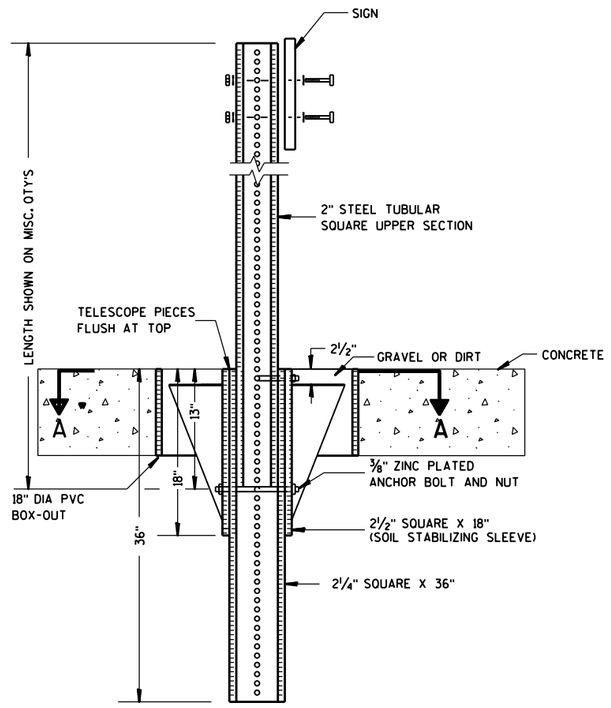
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 68	E



ELEVATION VIEW

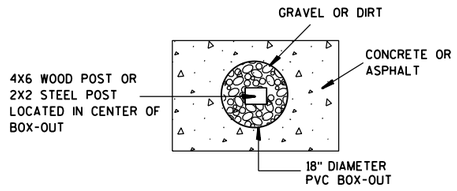
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

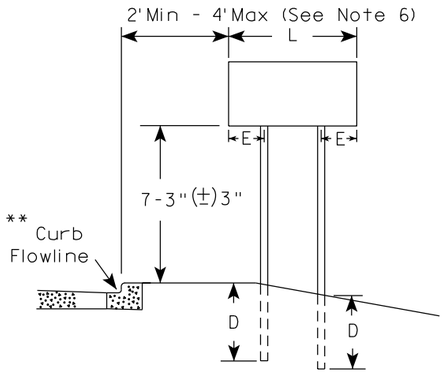
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

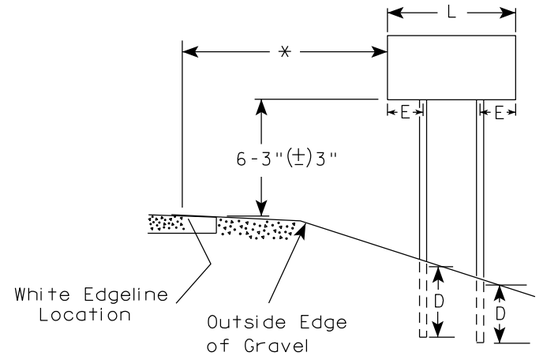
DATE 1/27/14 PLATE NO. A4-3B.1

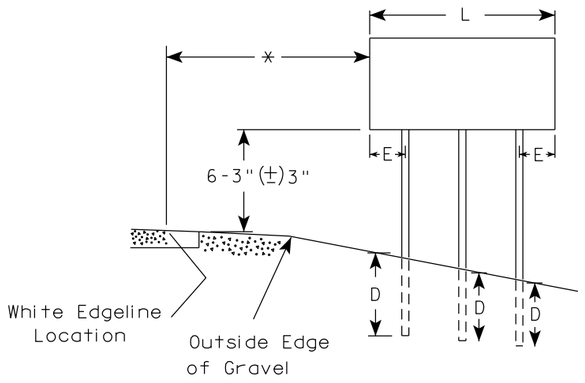
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

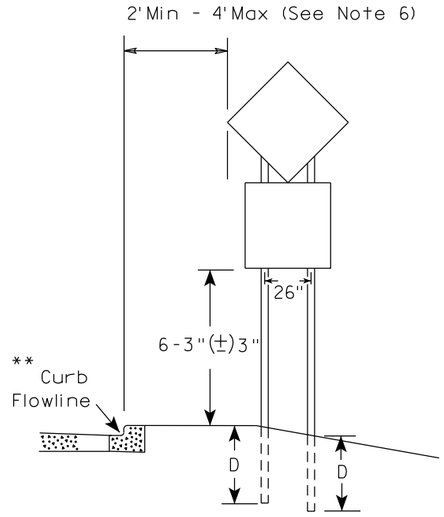
URBAN AREA



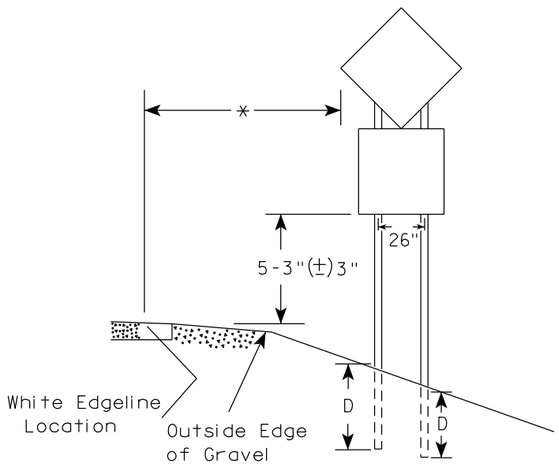
RURAL AREA (See Note 3)







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" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

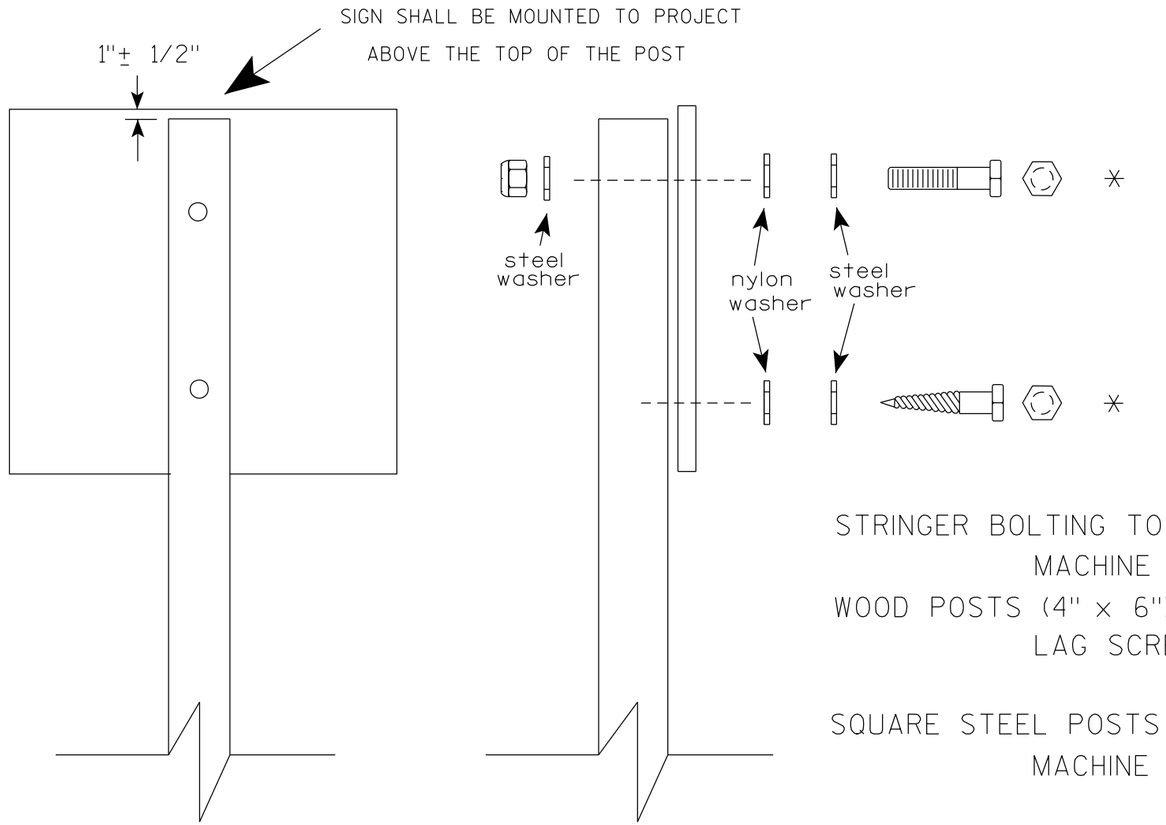
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 70	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

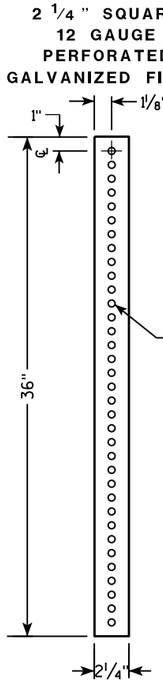
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

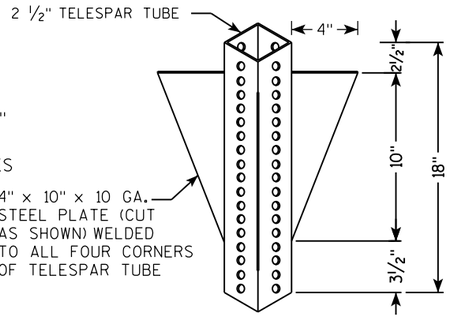
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

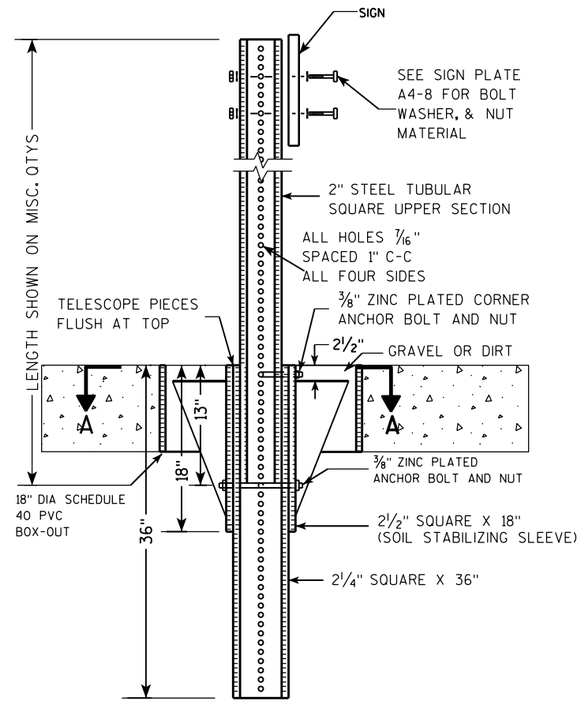
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



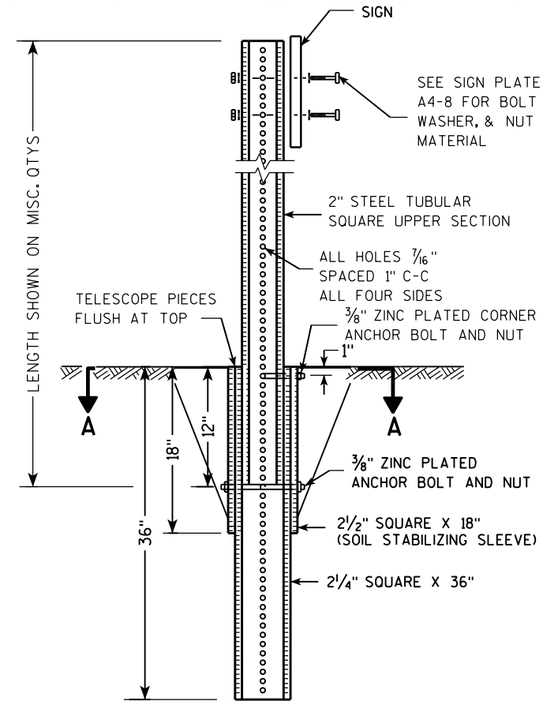
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

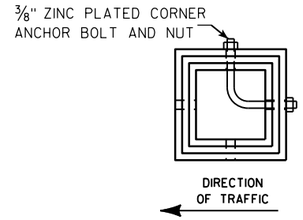


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

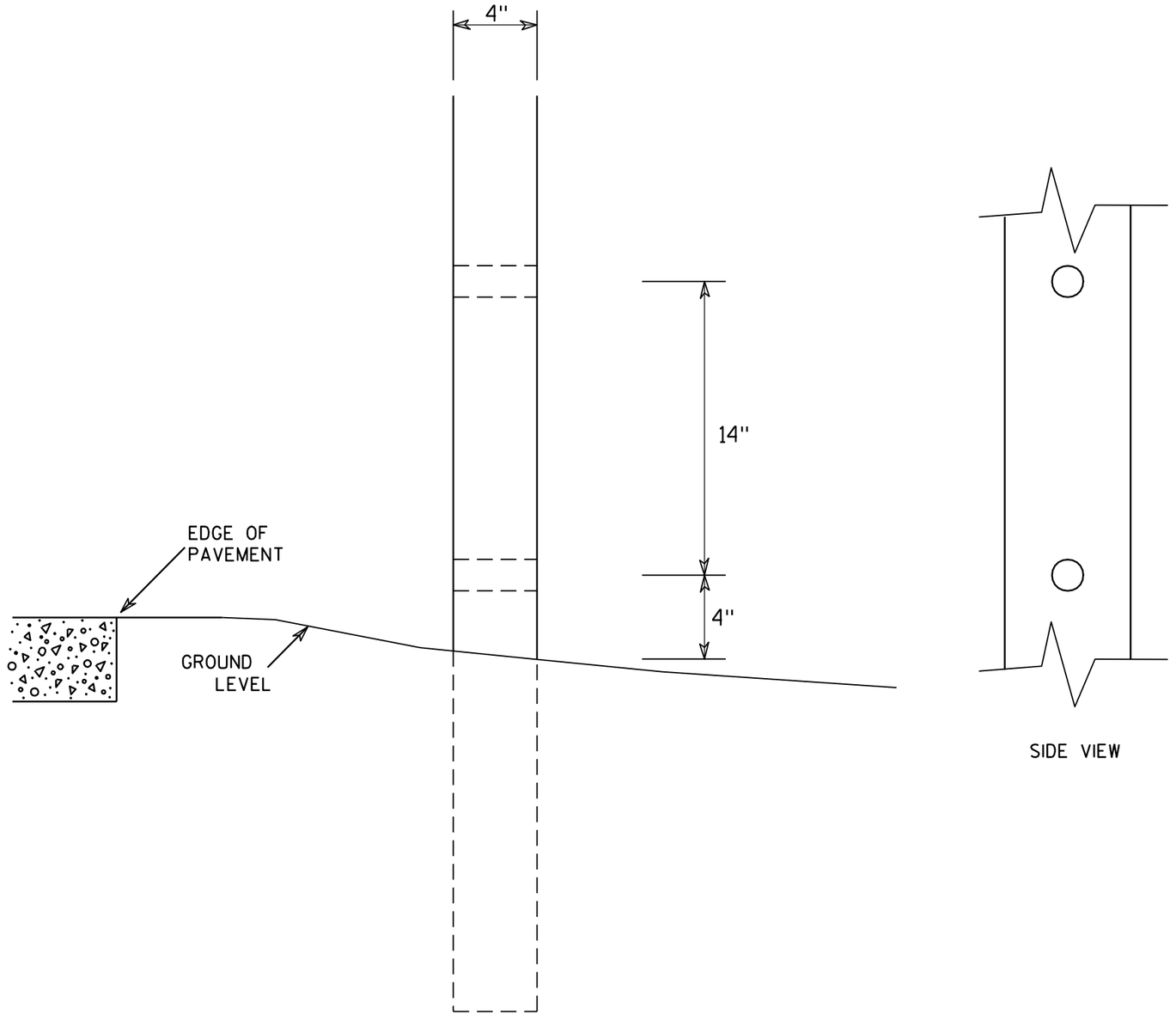
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 72 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

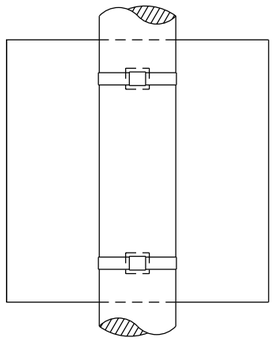
APPROVED Chester J Spang for State Traffic Engineer

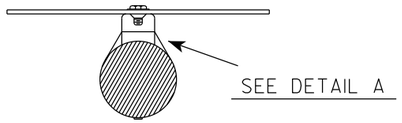
DATE 3/27/97 PLATE NO. A4-11.2

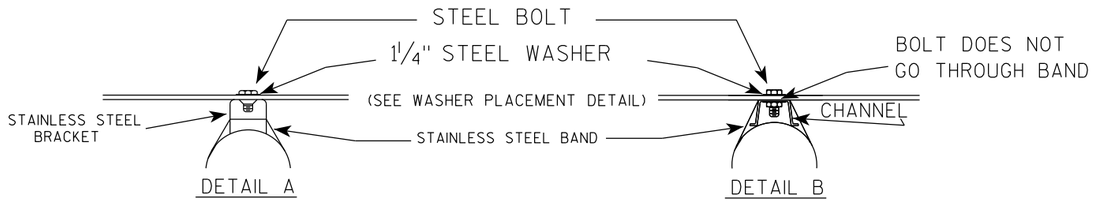
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 73	E

BANDING

SINGLE SIGN



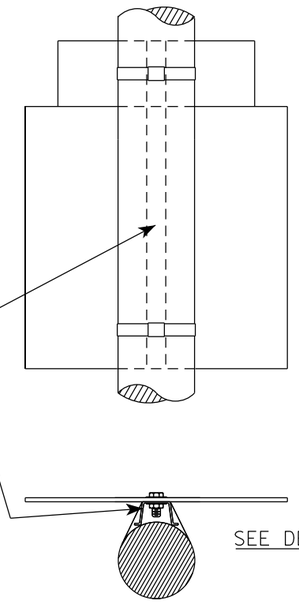




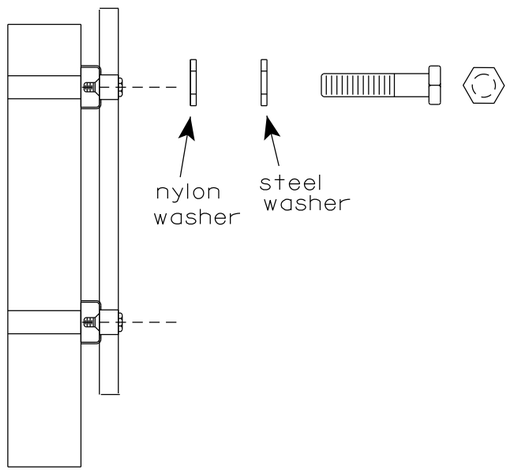
GENERAL NOTES

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

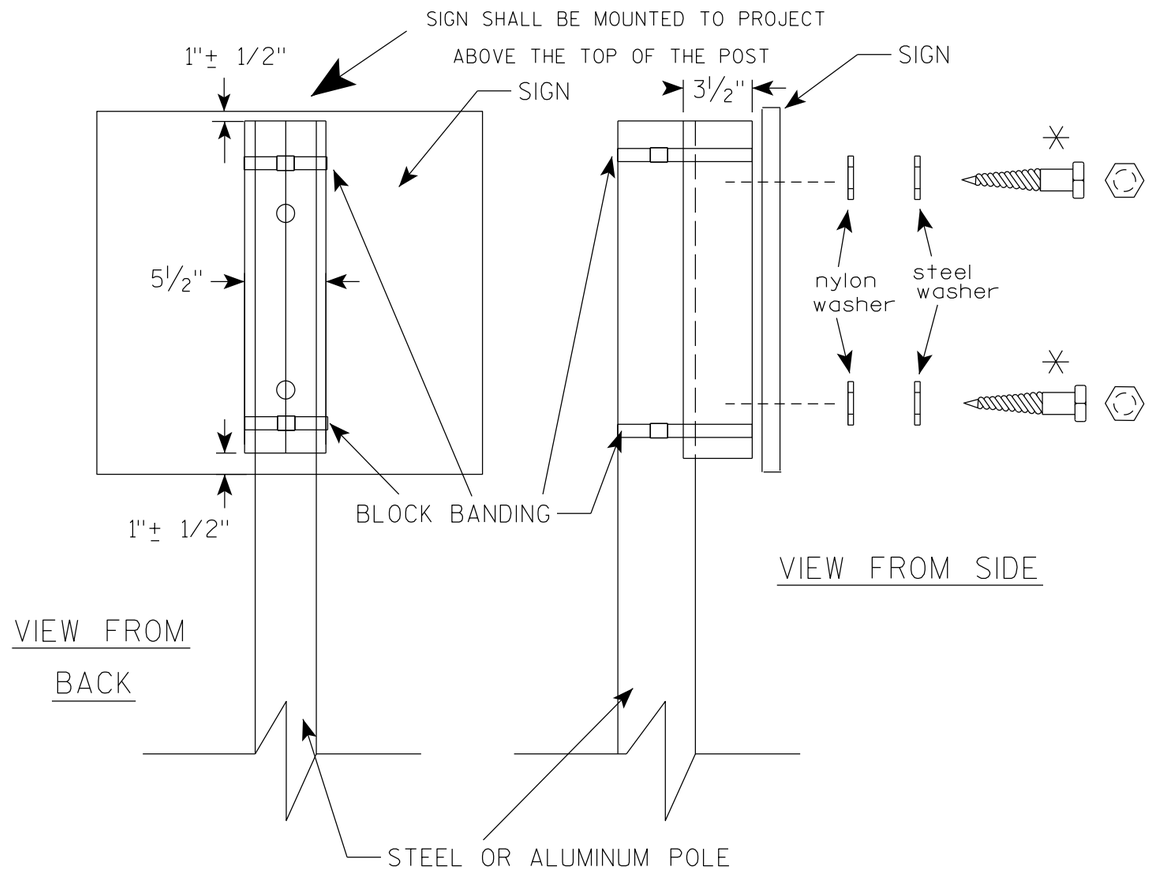
DATE 6/10/19 PLATE NO. A5-9.4

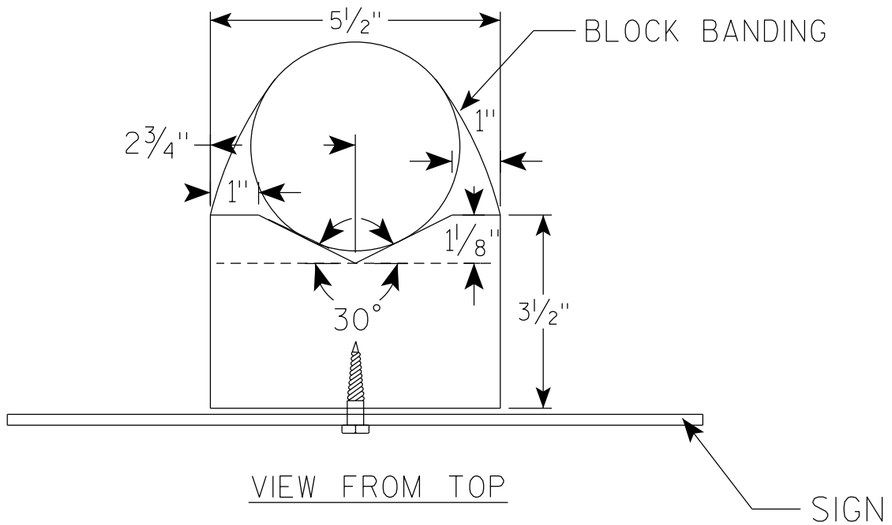
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 74	E

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

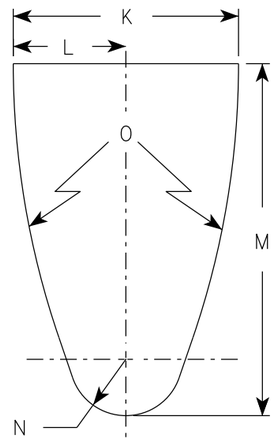
PROJECT NO:

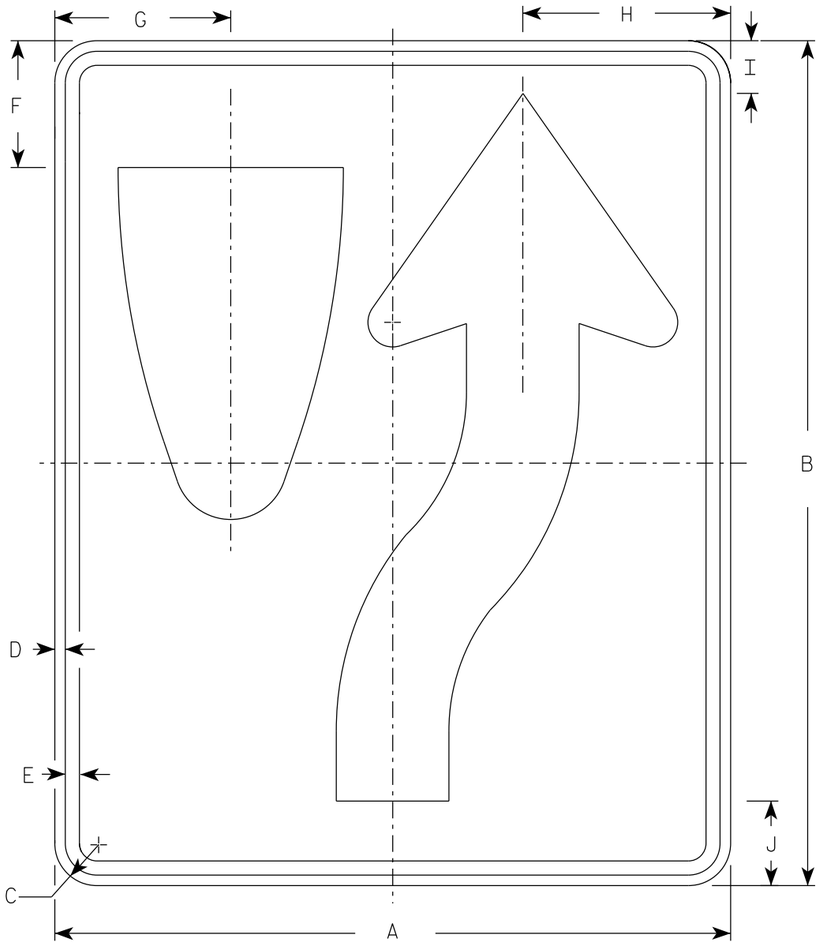
SHEET NO: 75 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. R4-8 is the same as R4-7 except Legend is reversed.

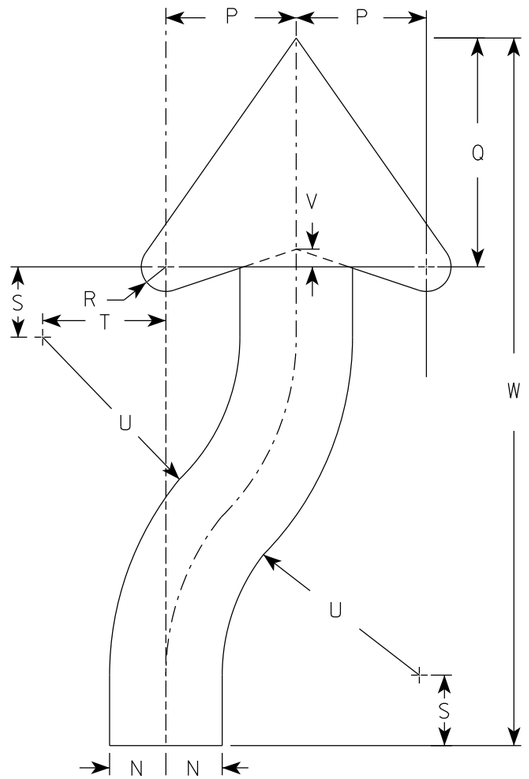
DIVIDER DETAIL





R4-7

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/2	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 7/8	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	3	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 76	E

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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LAX

JANUARY 2025

PROJECT ID: 7575-01-65

WITH: 3700-10-64, 7575-01-76

COUNTY: LA CROSSE

ORDER OF SHEETS

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

TOTAL SHEETS = 38

N

DESIGN DESIGNATION 7575-01-35

A.A.D.T.	2026	=	42,500
A.A.D.T.	2046	=	42,500
D.H.V.	2046	=	2046
D.D.		=	55/45
T.		=	4.7%
DESIGN SPEED		=	45
ESALS		=	3,300,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LA CROSSE - SPARTA

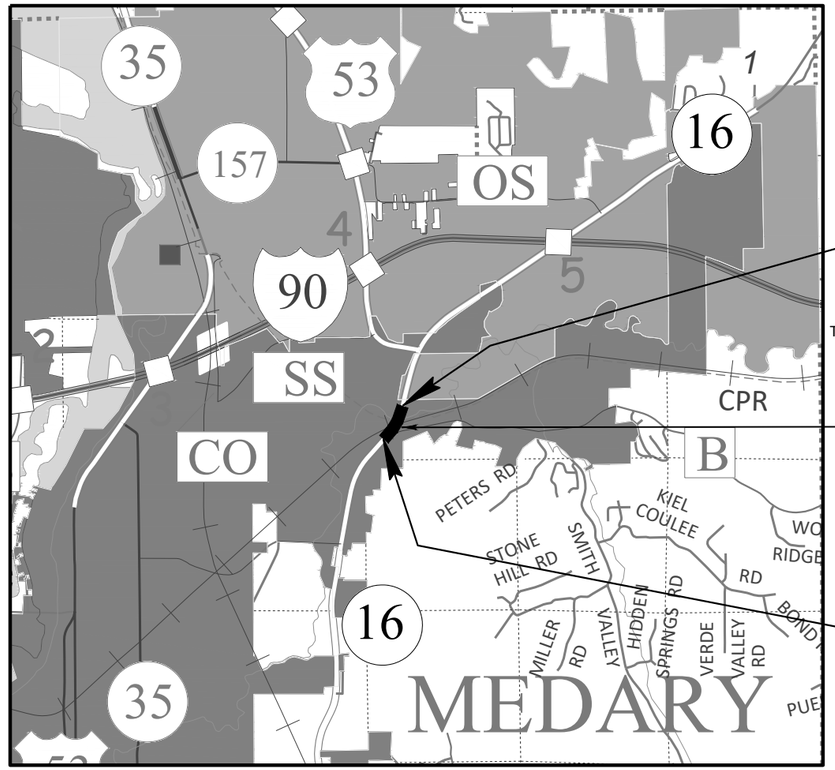
MEDARY OVERPASS B-32-111, B-32-115

STH 16

LA CROSSE COUNTY

STATE PROJECT NUMBER
7575-01-65

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7575-01-65	WISC 2025154	1



END PROJECT
B-32-115: STA 324+38 EB
B-32-111: STA 324+14 WB

STRUCTURE B-32-115 (EB)
STRUCTURE B-32-111 (WB)

BEGIN PROJECT
B-32-115: STA 315+84 EB
B-32-111: STA 315+27 WB

LAYOUT

SCALE 0 1.0 MI

TOTAL NET LENGTH OF CENTERLINE = 0.161 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE COUNTY NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

ORIGINAL PLANS PREPARED BY

SEH
Building a Better World for All of Us

Short Elliott Hendrickson Inc.
329 Jay Street, Suite, 301
La Crosse, WI 54601-4007
608.782.3161 main | 888.908.8166 fax
www.sehinc.com

WISCONSIN
TOREY R. LEONARD
E-42982-6
HOLMEN, WI
PROFESSIONAL ENGINEER

7/18/2024 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SW REGION
Designer	SEH
Project Manager	JOHN BAINTER
Regional Examiner	SW REGION
Regional Supervisor	JOHN BAINTER

APPROVED FOR THE DEPARTMENT

DATE: 7/18/2024 (Signature)

E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\75750135_65\010101_TI.DWG

PLOT DATE : 4/29/2024 3:56 PM

PLOT BY : CLARISSA ERBS

PLOT NAME :

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 1.3 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.0 ACRES

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
DNR SERVICE CENTER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9115
ATTENTION: KAREN KALVELAGE
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORTATION
SOUTHWEST REGION
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9729
ATTENTION: JOHN BAINTER
EMAIL: JOHN.BAINTER@DOT.WI.GOV

DESIGN CONTACT:

SEH INC.
329 JAY ST, SUITE 301
LA CROSSE, WI 54601
TELEPHONE: 608.498.4019
ATTENTION: TOREY LEONARD
EMAIL: TLEONARD@SEHINC.COM

UTILITY CONTACT LIST:

DIEGO TOBIAS
BCE NEXXIA - COMMUNICATIONS LINE
1821 WALDEN OFFICE SQUARE, SUITE 400
SCHAUMBURG, IL 60173
(416)970-7893
PUCC.CIRCULATIONS.GT@BELL.CA

BRIAN STELPLUGH
BRIGHTSPEED OF WISCONSIN, LLC - COMMUNICATION LINE
1905 WARD AVENUE S
LA CROSSE, WI 54601
(980)376-1557
BRIAN.STELPLUGH@BRIGHTSPEED.COM

LUKE SCHIPPER
CITY OF LA CROSSE - SEWER
905 HOUSKA PARK DRIVE
LA CROSSE, WI 54601
(608) 789-7324
SCHIPPERL@CITYOFLACROSSE.ORG

MICHAEL LYDON
DAIRYLAND POWER COOPERATIVE - ELECTRICITY
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 787-1381
MICHAEL.LYDON@DAIRYLANDPOWER.COM

PETE MEDINGER
LA CROSSE WATER UTILITY - WATER
MYRIC PUMPHOUSE, 800 EAST AVE N
LA CROSSE, WI 54601
(608) 789-7384
MEDINGERPE@CITYOFLACROSSE.ORG

GLENN LEFEBVRE
METRONET - COMMUNICATION LINE
143 CAUSEWAY BLVD
LA CROSSE, WI 54601
(231)357-0823
GLENN.LEFEBVRE@METRONET.COM

LORI KETTER
WINDSTREAM KDL LLC - COMMUNICATION LINE
969 WAUBE LANE
GREEN BAY, WI 54302-3526
(920) 410-6902
LORI.KETTER@WINDSTREAM.COM

MITCHELL DIEGER
XCEL ENERGY - ELECTRICITY-TRANSMISSION
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
(612)321-3109
MITCHELL.A.DIENGER@XCELENERGY.COM

LAURA JORSTAD
XCEL ENERGY - ELECTRICITY
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3628
LAURA.JORSTAD@XCELENERGY.COM

ERIN MILLER
XCEL ENERGY - GAS/PETROLEUM
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3681
ERIN.J.MILLER@XCELENERGY.COM

GENERAL NOTES:

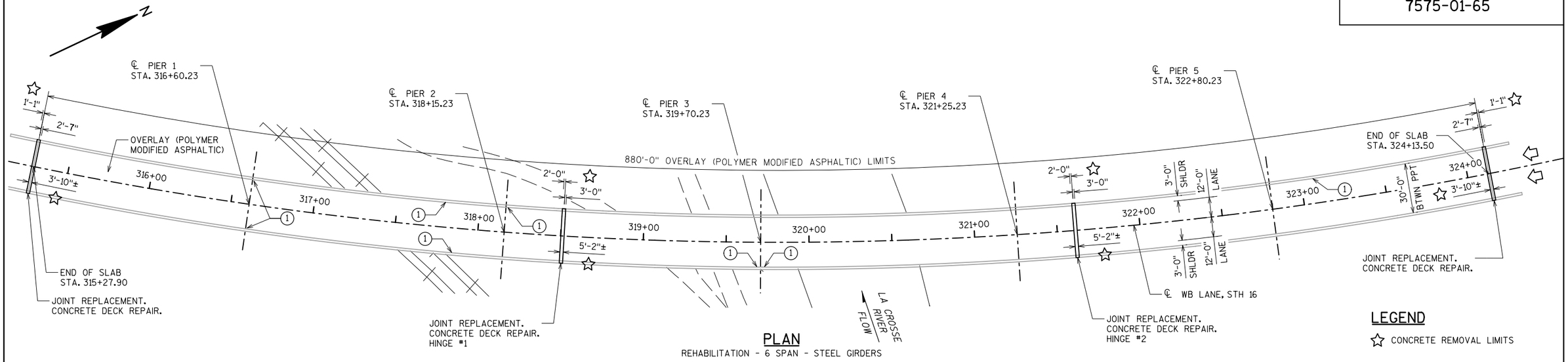
1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS AREA APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

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

7575-01-65

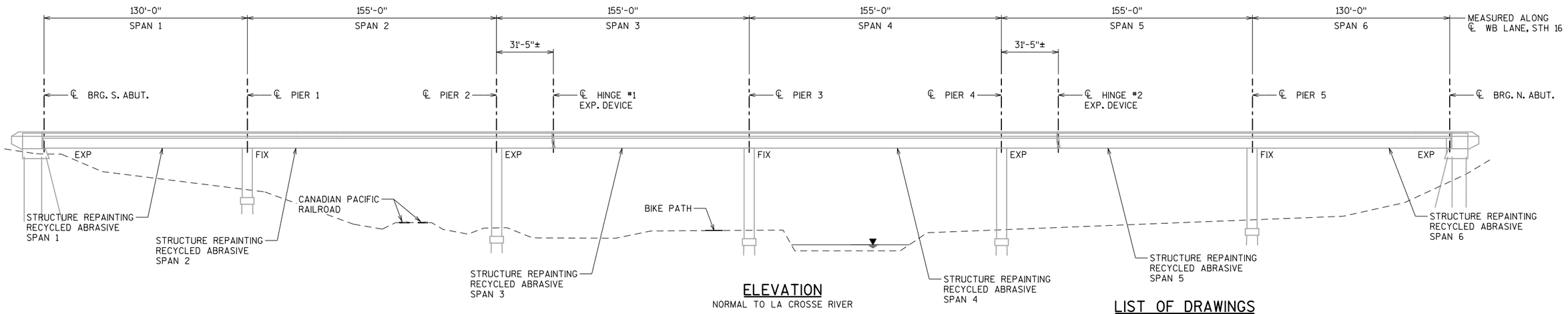
Line	Item	Item Description	Unit	Total	Qty
0002	203.0330	Debris Containment (structure) 01. B-32-111	EACH	1.000	1.000
0004	203.0330	Debris Containment (structure) 02. B-32-115	EACH	1.000	1.000
0006	203.0335	Debris Containment Over Waterway (structure) 01. B-32-111	EACH	1.000	1.000
0008	203.0335	Debris Containment Over Waterway (structure) 02. B-32-115	EACH	1.000	1.000
0074	502.3101	Expansion Device	LF	520.000	520.000
0076	502.3205	Pigmented Surface Sealer Reseal	SY	1,352.000	1,352.000
0078	502.4205	Adhesive Anchors No. 5 Bar	EACH	64.000	64.000
0080	502.4206	Adhesive Anchors No. 6 Bar	EACH	64.000	64.000
0082	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	22,130.000	22,130.000
0084	506.0105	Structural Steel Carbon	LB	1,340.000	1,340.000
0086	506.5000	Bearing Assemblies Fixed (structure) 02. B-32-115	EACH	7.000	7.000
0088	506.6000	Bearing Assemblies Expansion (structure) 01. B-32-111	EACH	7.000	7.000
0090	506.6000	Bearing Assemblies Expansion (structure) 02. B-32-115	EACH	5.000	5.000
0092	506.7050.S	Removing Bearings (structure) 01. B-32-111	EACH	7.000	7.000
0094	506.7050.S	Removing Bearings (structure) 02. B-32-115	EACH	12.000	12.000
0096	509.0301	Preparation Decks Type 1	SY	125.000	125.000
0098	509.0302	Preparation Decks Type 2	SY	65.000	65.000
0100	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	1,050.000	1,050.000
0102	509.0500	Cleaning Decks	SY	5,780.000	5,780.000
0104	509.1000	Joint Repair	SY	150.000	150.000
0106	509.1500	Concrete Surface Repair	SF	145.000	145.000
0108	509.2000	Full-Depth Deck Repair	SY	50.000	50.000
0110	509.2100.S	Concrete Masonry Deck Repair	CY	252.000	252.000
0112	509.3500.S	HMA Overlay Polymer-Modified	TON	790.000	790.000
0114	517.1801.S	Structure Repainting Recycled Abrasive (structure) 01. B-32-111	EACH	1.000	1.000
0116	517.1801.S	Structure Repainting Recycled Abrasive (structure) 02. B-32-115	EACH	1.000	1.000
0118	517.4501.S	Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-32-111	EACH	1.000	1.000
0120	517.4501.S	Negative Pressure Containment and Collection of Waste Materials (structure) 02. B-32-115	EACH	1.000	1.000
0122	517.6001.S	Portable Decontamination Facility	EACH	2.000	2.000
0136	606.0100	Riprap Light	CY	17.000	17.000
0174	619.1000	Mobilization	EACH	0.300	0.300
0372	801.0117	Railroad Flagging Reimbursement	DOL	12,600.000	12,600.000

STATE PROJECT NUMBER
7575-01-65



PLAN

REHABILITATION - 6 SPAN - STEEL GIRDERS



ELEVATION

NORMAL TO LA CROSSE RIVER

DESIGN DATA

LIVE LOAD:

DESIGN LOADING	=	HS20
INVENTORY RATING	=	HS20
OPERATING RATING	=	HS35
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)	=	250 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY - DECK & JOINT REPAIR ____ f'c = 4,000 PSI
- ALL OTHER ____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 ____ fy = 60,000 PSI

TRAFFIC DATA

ADT (2026)	=	42,500 (E.B. & W.B. TOTAL)
ADT (2046)	=	42,500 (E.B. & W.B. TOTAL)
DESIGN SPEED	=	45 MPH

STRUCTURE REPAINTING RECYCLED ABRASIVE*

GIRDER	SPAN					
	1	2	3	4	5	6
G1	232				780	
G2	214				780	
G3	214				553	780	
G4	404	190	190	816	780	20

* AREA (SFT) FOR INFORMATION ONLY

(1) CONCRETE SURFACE REPAIR, BRIDGE RAILING AS DIRECTED BY THE FIELD ENGINEER. SAW CUT OR HAND CHIP LOOSE CONCRETE

LIST OF DRAWINGS

1 DECK REPAIR & PAINTING PLAN
2 NOTES AND QUANTITIES
3 BEARING DETAILS
4 NORTH ABUTMENT REPAIR DETAILS
5 JOINT REMOVAL DETAILS
6-7 JOINT REPAIR DETAILS
8 EXPANSION DEVICE
9 COVER PLATE DETAILS
10-11 INFRARED THERMOGRAPHIC SURVEY RESULTS

WISCONSIN PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST PAUL
MN
8/1/2024

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: AARON BONK, PE, 608.261.0261

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/05/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-32-111

STH 16 WB OVER LA CROSSE RIVER & CP RR

COUNTY	TOWN/~~CITY/VILLAGE~~
LA CROSSE	MEDARY

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NCK	DKW	RAD	NCK

DECK REPAIR & PAINTING PLAN

SHEET 1 OF 11
4

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PLOT DATE: 8/1/2024
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STATE PROJECT NUMBER
7575-01-65

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND INSPECTION REPORTS. EXISTING BRIDGE PLANS AVAILABLE AT WISDOT.

STATIONING MAY VARY BASED ON EXACT LOCATION OF BRIDGE TO PROPOSED ALIGNMENT.

CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS.

ANY EXCAVATION REQUIRED TO COMPLETE THE DECK OVERLAY AT THE ABUTMENTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "HMA OVERLAY POLYMER-MODIFIED".

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, CONCRETE SURFACE REPAIR AND FULL-DEPTH DECK REPAIR AS DETERMINED, LOCATED, MARKED AND MEASURED BY THE FIELD ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR".

BOTTOM OF THE EXISTING DECK WILL BE INSPECTED FOR AREAS OF FULL-DEPTH DECK REPAIR PRIOR TO DECK PREPARATION OPERATIONS.

BOTTOM OF THE EXISTING DECK IS TO BE INSPECTED FOR AREAS OF DISTRESS AFTER COMPLETION OF THE DECK PREPARATION AND PRIOR TO OVERLAYING THE BRIDGE.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT, INCLUDING DECK PREPARATION AREAS.

THESE STRUCTURE PLANS ARE ONLY THE STRUCTURE REPAIR WORK. ANY ADDITIONAL REMOVAL REQUIRED, OUTSIDE OF THE LIMITS SHOWN IN THESE PLANS MUST BE COORDINATED WITH THE FIELD ENGINEER. FIELD ENGINEER SHOULD BE CONTACTED FOR APPROVAL OF ADDITIONAL REMOVAL.

THE PLAN QUANTITY FOR THE BID ITEM "HMA OVERLAY POLYMER-MODIFIED" IS BASED ON THE AVERAGE OVERLAY THICKNESS.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.2 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS AND BELOW EXPANSION DEVICES.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM POLYMER MODIFIED ASPHALTIC OVERLAY THICKNESS OF 2" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2½". IF EXPECTED OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION.

APPLY "PIGMENTED SURFACE SEALER RESEAL" TO THE EXISTING CONCRETE PARAPETS PER THE STANDARD SPECIFICATIONS AND AS SHOWN IN THIS PLAN SET.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

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

THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

SEE PROJECT ID 7575-01-76 FOR TRAFFIC STAGING. COORDINATE THESE STRUCTURE PLANS WITH THE ROADWAY STAGING.

REMOVING 1" OF EXISTING DECK IS INCLUDED IN THE BID ITEM "CLEANING DECKS".

A MAXIMUM OF 1½" OF THE EXISTING DECK MAY BE REMOVED.

PAINT ALL GIRDERS, DIAPHRAGMS, HARDWARE, HINGES AND BEARINGS INCLUDED IN LOCATIONS DESCRIBED BELOW. THE COLOR SHALL BE BROWN, (AMS STANDARD COLOR NO. 20059) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

TOTAL ESTIMATED QUANTITIES - B-32-111

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
(5)	203.0330	DEBRIS CONTAINMENT B-32-111	EACH	1
(4)	203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-32-111	EACH	1
	502.3101	EXPANSION DEVICE	LF	120
	502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	711
	502.4205	ADHESIVE ANCHORS NO 5 BAR	EACH	64
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	4530
	506.6000	BEARING ASSEMBLIES EXPANSION B-32-111	EACH	7
	506.7050.S	REMOVING BEARING B-32-111	EACH	7
(2)	509.0301	PREPARATION DECKS TYPE 1	SY	70
(2)	509.0302	PREPARATION DECKS TYPE 2	SY	45
	509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	245
	509.0500	CLEANING DECKS	SY	2950
	509.1000	JOINT REPAIR	SY	60
(3)	509.1500	CONCRETE SURFACE REPAIR	SF	25
	509.2000	FULL-DEPTH DECK REPAIR	SY	20
(1)	509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	41
	509.3500.S	HMA OVERLAY POLYMER-MODIFIED	TON	410
	517.1801.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-32-111	EACH	1
	517.4501.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-32-111	EACH	1
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1

QUANTITIES NOTES

(1) CONCRETE FOR:
* PREPARATION DECKS TYPE 1 & 2, *FULL-DEPTH DECK REPAIR, AND JOINT REPAIR.

(2) PERTAINS TO DECK.

(3) AS LOCATED BY FIELD ENGINEER.

* THESE QUANTITY TOTALS ARE AN ESTIMATE AND ARE INCLUDED IN BID ITEM "CONCRETE MASONRY DECK REPAIR".

-PREPARATION DECKS TYPE 1 = 4 CY
-PREPARATION DECKS TYPE 2 = 5 CY
-FULL-DEPTH DECK REPAIR = 5 CY

(4) DEBRIS CONTAINMENT WILL ONLY BE PAID FOR LOCATION OVER THE WATER.

(5) SHALL INCLUDE PAYMENT FOR CONTAINMENT OVER THE RAILROAD

LEGEND

⊠ COVER PLATES REQUIRED EACH PARAPET JOINT REPAIR LOCATIONS

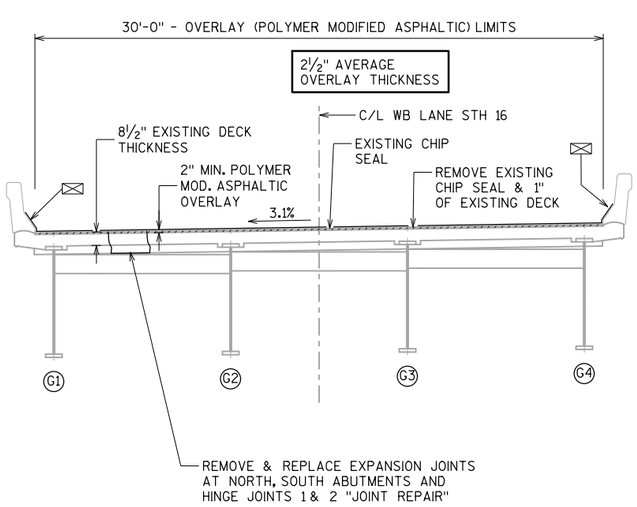
REPAINTING LOCATIONS

(FOR INFORMATION ONLY)

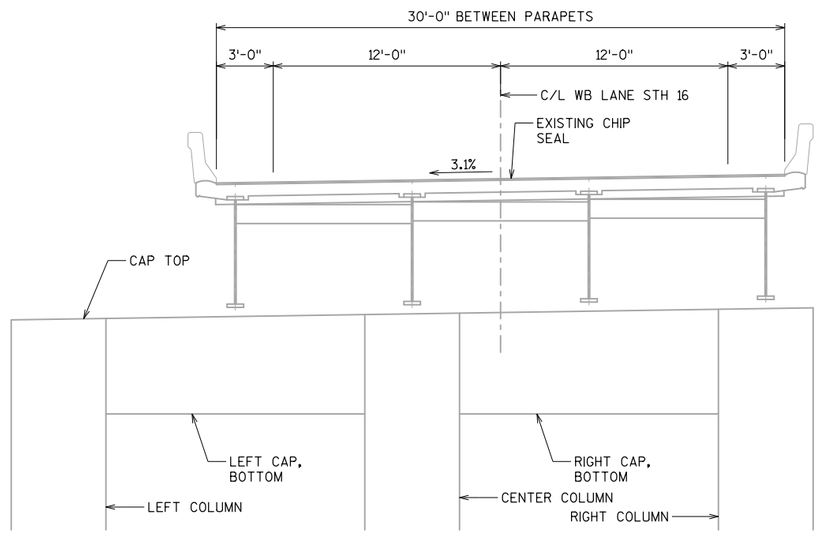
SPAN 1 ALL GIRDERS 12' FROM SOUTH ABUTMENT
G1 - BOT FLANGE SPLICE PLATE TO PIER
G4 - SPLICE PLATES
SPAN 2 G4 - SPLICE PLATES
SPAN 3 G4 - SPLICE PLATE
SPAN 4 G3 - BOT. FLANGE 50% GIRDER LENGTH
G4 - BOT. FLANGE 80% OF GIRDER LENGTH
SPAN 5 ALL GIRDERS BOT FLANGE
SPAN 6 G4 - BOT. FLANGE AT SPLICE PLATE
AND AS LOCATED BY FIELD ENGINEER

SCOPE OF WORK

1. PLACE OVERLAY (POLYMER MODIFIED ASPHALTIC).
2. REPLACE EXISTING EXPANSION DEVICES
3. REPLACE EXPANSION BEARING ASSEMBLIES
4. REPAINT PORTIONS OF STEEL GIRDERS
5. LIMITED CONCRETE REPAIRS



CROSS SECTION THRU ROADWAY
LOOKING NORTH - MID SPAN



CROSS SECTION THRU ROADWAY
LOOKING NORTH - AT PIER

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

DRAWN BY RAD | PLANS CK'D. NCK

NOTES AND QUANTITIES

SHEET 2 OF 11

5

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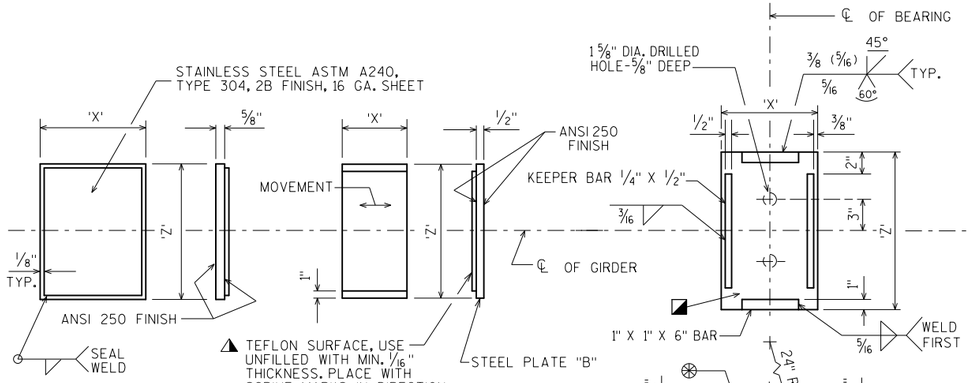
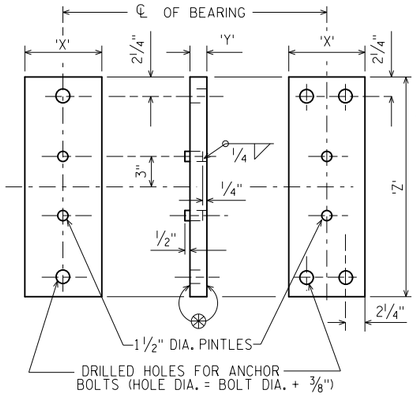
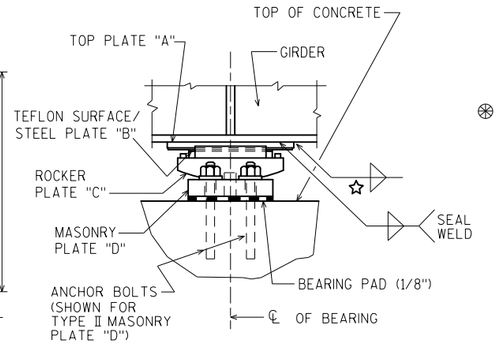
STATE PROJECT NUMBER

7575-01-65

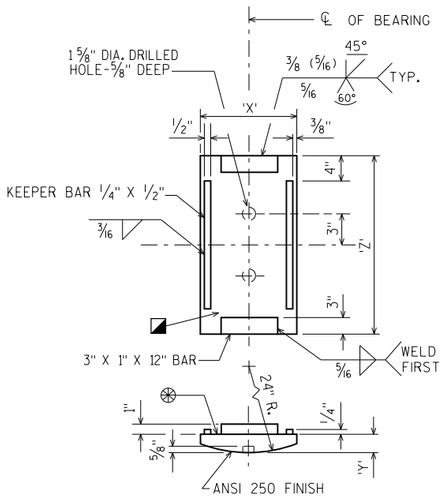






EXPANSION BEARING

	PLATE "A"		PLATE "B"		PLATE "C"			PLATE "D"			PLATE "D" TYPE	ANCHOR BOLT SIZE	NO. OF BRG'S REQ'D.	LOCATION
	'X'	'Z'	'X'	'Z'	'X'	'Y'	'Z'	'X'	'Y'	'Z'				
EXPANSION BEARING	9"	1'-8 3/4"	5"	1'-8 3/4"	7"	1 7/16"	1'-11"	8"	1 1/2"	2'-10"	I	1 1/2"	6	N & S ABUTMENT
	1'-5"	1'-8 3/4"	1'-1"	1'-8 3/4"	1'-3"	2 7/8"	2'-4 1/4"	1'-1"	2 3/8"	3'-3 1/4"	II	1 1/2"	1	PIER 4

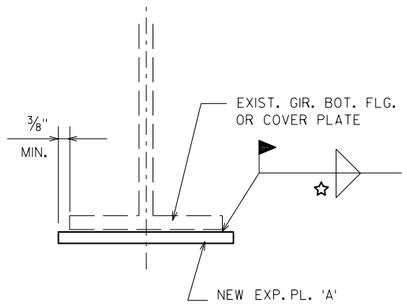


ROCKER PLATE "C"

PIER 4

GIRDER REACTION TABLE, (KIPS)				
SUBSTUCTURE UNIT	G1	G2	G3	G4
SOUTH ABUT.	52.9	59.7	61.3	61.3
PIER 1	209.0	221.3	232.5	204.1
PIER 2	180.8	194.6	200.7	179.4
PIER 3	202.3	214.1	227.6	199.1
PIER 4	181.5	195.5	201.5	179.3
PIER 5	205.3	217.8	229.1	200.5
NORTH ABUT.	53.1	60.4	62.1	58.1

DEAD LOAD ONLY



BEARING REPLACEMENT DETAILS

☆ TABLE OF FILLET WELD SIZES

MATERIAL THICKNESS OF THICKER PART JOINED.	∔ MIN. SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/16"
OVER 1/2" TO 3/4"	1/4"
OVER 3/4" TO 1 1/2"	△ 5/16"
OVER 1 1/2" TO 2 1/4"	△ 3/8"
OVER 2 1/4" TO 6"	△ 1/2"

∔ EXCEPT THAT THE WELD SIZE SHALL NOT EXCEED THE THICKNESS OF THE THINNER PART JOINED.

△ MIN. PASS SIZE IS 5/16"

BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT ℄ OF GIRDER AND ℄ OF BEARING.

⊛ FINISH THESE SURFACES TO ANSI 250 IF 'Y' DIMENSION IS GREATER THAN 2".

ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153, CLASS C.

ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM F1554 GRADE 50, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES, BUT EXCLUDING STAINLESS STEEL SHEET, TEFLON SURFACE, PINTLES, ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A709 GRADE 50W.

ALL MATERIAL IN BEARINGS, INCLUDING SHIM PLATES AND BEARING PADS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "BEARING ASSEMBLIES EXPANSION B-32-111", EACH.

CHAMFER ANCHOR BOLTS PRIOR TO THREADING.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

PROVIDE 1/8" THICK BEARING PAD THE SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE STANDARD WROUGHT WASHER AND ONE HEX NUT PER BOLT. BOLT LENGTH TO BE 1'-5 FOR 1 1/4" ϕ AND 1'-10 FOR 1 1/2" ϕ BOLTS. PROJECT ANCHOR BOLTS, MASONRY PLATE "D" THICKNESS + 2 1/4", ABOVE TOP OF CONCRETE.

CHAMFER TOP OF PINTLES 1/8". DRILL HOLES FOR ALL PINTLES IN MASONRY PLATE "D" FOR A DRIVING FIT.

STEEL PINTLES SHALL CONFORM TO ASTM A449 OR ASTM A572 GRADE 50.

EXPANSION BEARINGS:
ROCKER PLATE "C" AND MASONRY PLATE "D" SHALL BE GALVANIZED. TOP PLATE "A" AND STEEL PLATE "B" SHALL BE SHOP PAINTED.USE A WELDABLE PRIMER ON TOP PLATE "A". DO NOT PAINT STAINLESS STEEL OR TEFLON SURFACES.

◪ PROVIDE A METHOD FOR HANDLING ROCKER PLATE "C" DURING GALVANIZING.

⚠ BOND STEEL PLATE "B" AND TEFLON WITH ADHESIVE MATERIAL MEETING REQUIREMENTS FOUND IN THE STANDARD SPECIFICATION.

AT INSTALLATION, ENSURE STAINLESS STEEL SLIDING FACE OF THE UPPER ELEMENT AND THE TFE SLIDING FACE OF THE LOWER ELEMENT HAVE THE SURFACE FINISH SPECIFIED AND ARE CLEAN AND FREE OF ALL DUST, MOISTURE, AND OTHER FOREIGN MATTER.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

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BEARING DETAILS

SHEET 3 OF 11

6

PLOT TIME: 12:18:58 PM

PLOT DATE: 8/1/2024

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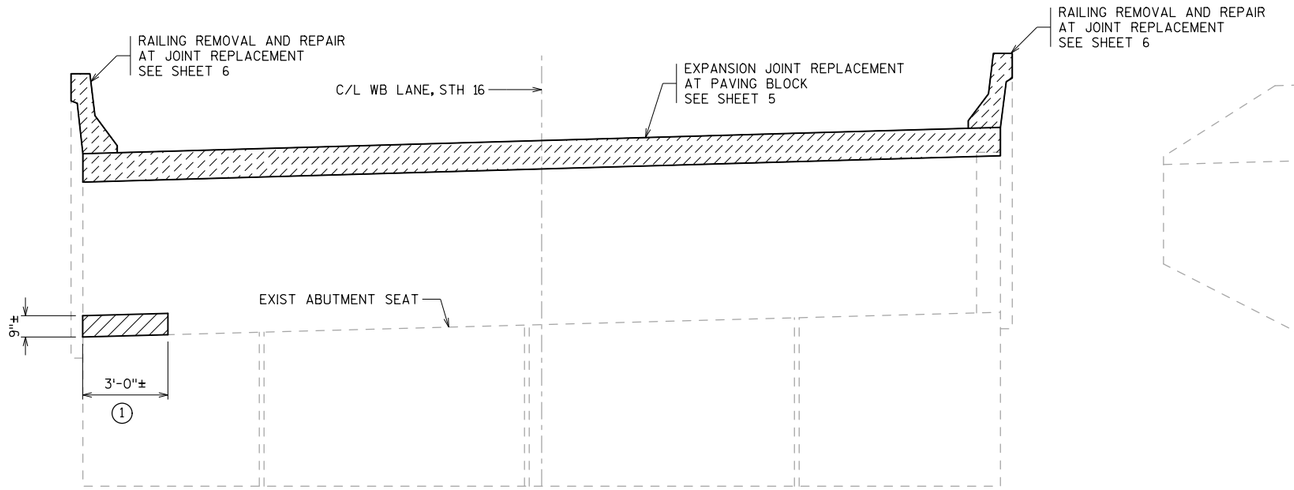
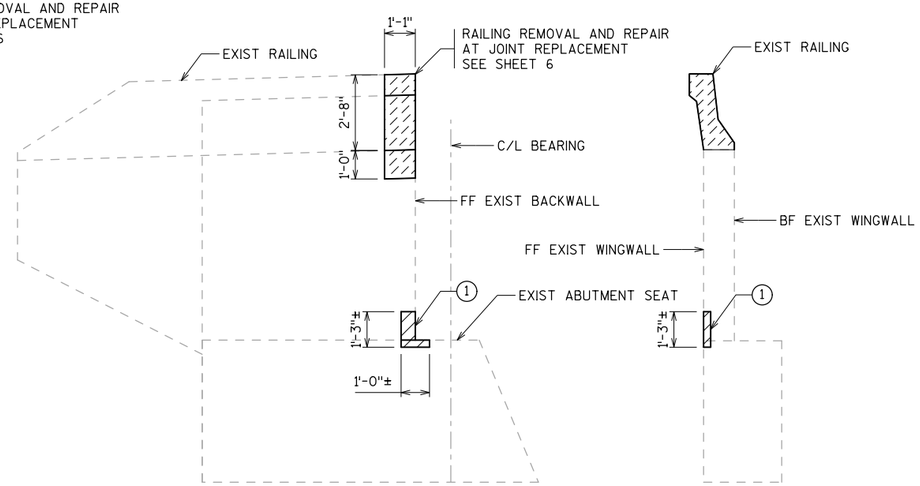
STATE PROJECT NUMBER
7575-01-65

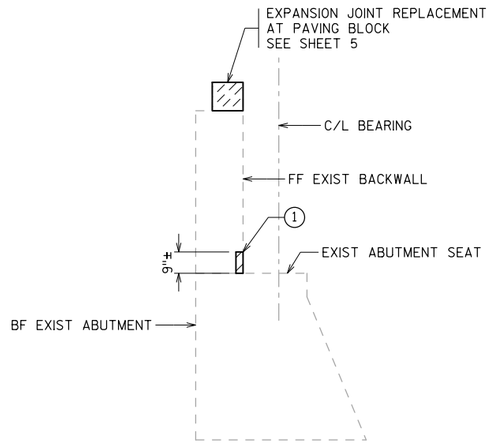


ELEVATION
(LOOKING NORTH)



WING 4 ELEVATION

WING 4 SECTION



BODY SECTION

NOTES
(1) CONCRETE SURFACE REPAIR. SAW CUT OR HAND CHIP LOOSE CONCRETE.

FF = FRONT FACE
BF = BACK FACE

LEGEND
CONCRETE SURFACE REPAIR ON ABUTMENT AS DIRECTED BY THE FIELD ENGINEER BASE ON WISDOT FIELD SKETCHES AND INSPECTION REPORTS.

INDICATES REMOVAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
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STRUCTURE B-32-111

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NORTH ABUTMENT REPAIR DETAILS

SHEET 4 OF 11

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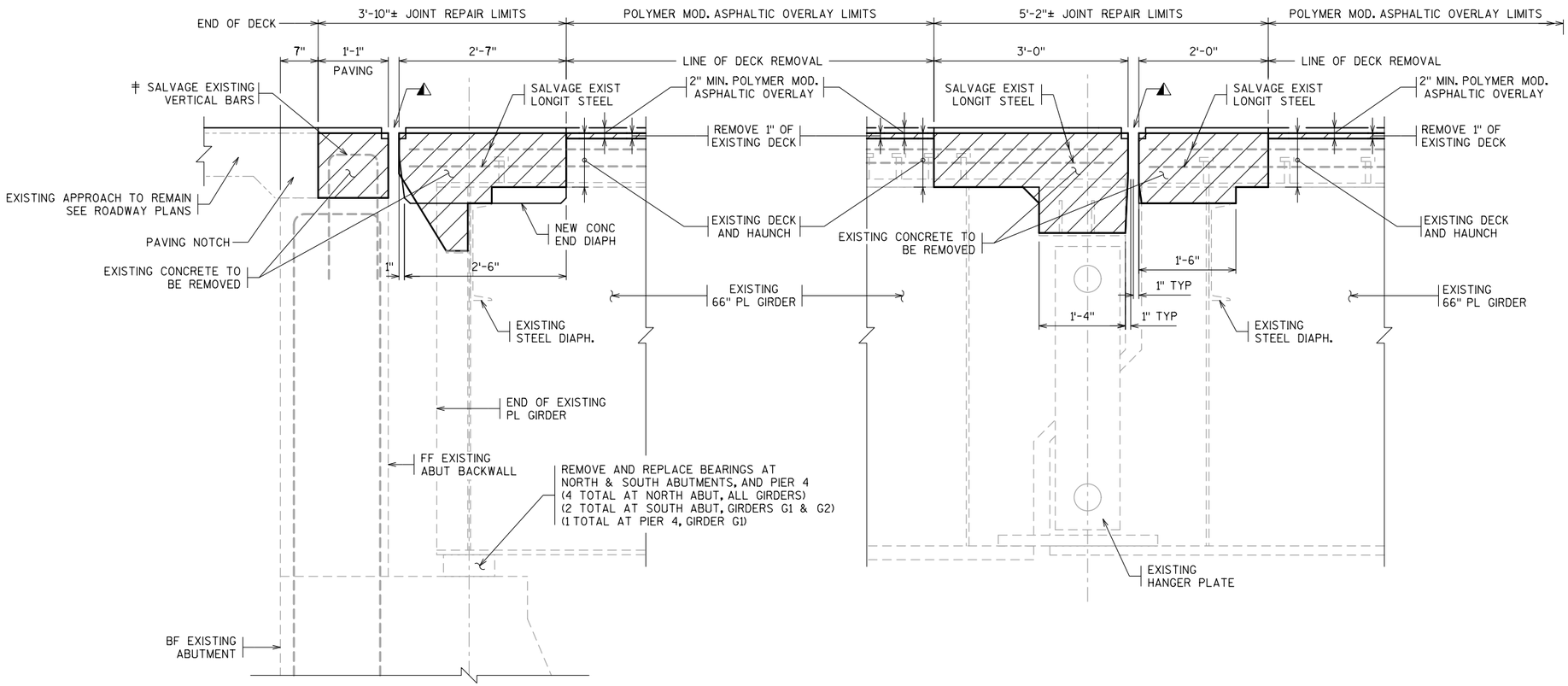

SOUTH ABUTMENT - JOINT REMOVAL

NORTH ABUTMENT SIMILAR

CONCRETE DIAPHRAGM AT HINGE - JOINT REMOVAL

HINGE #1 IN SPAN 3
HINGE #2 IN SPAN 5

LEGEND

‡ EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. SALVAGE AND INCORPORATE AS MUCH REBAR AS PRACTICAL. SUPPLEMENT WITH THE BARS INDICATED BY ☆ SEE SHEET 6

◭ STRIP SEAL EXPANSION DEVICE TYP AT EACH END OF BRIDGE AND HINGE JOINTS

INDICATES REMOVAL

FF = FRONT FACE
BF = BACK FACE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

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JOINT REMOVAL DETAILS

SHEET 5 OF 11

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PLOT DATE: 8/1/2024 PLOT TIME: 11:25:24 AM

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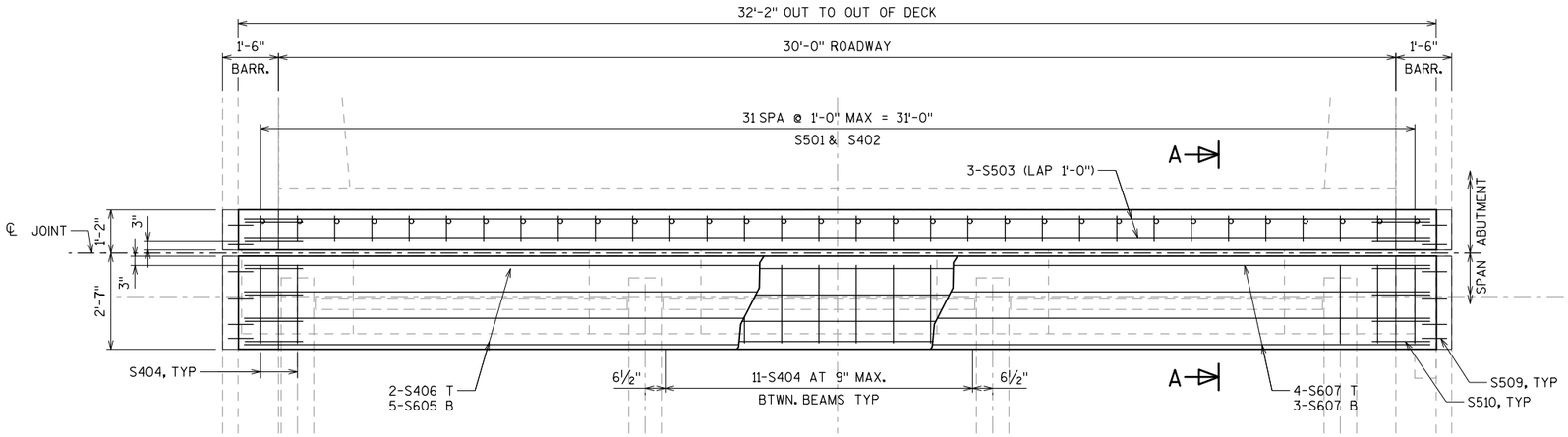
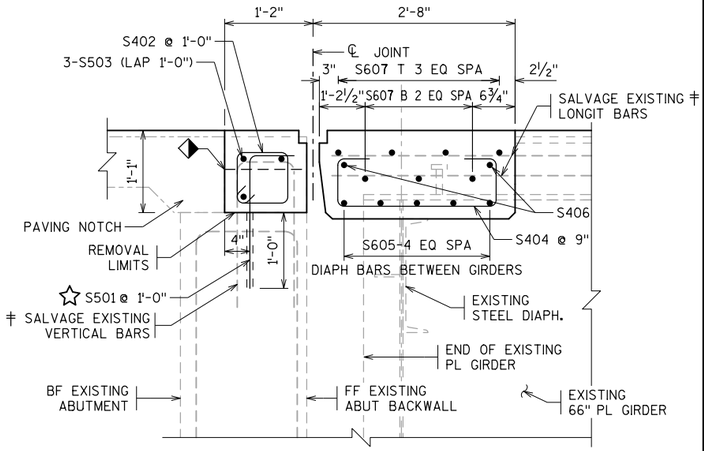


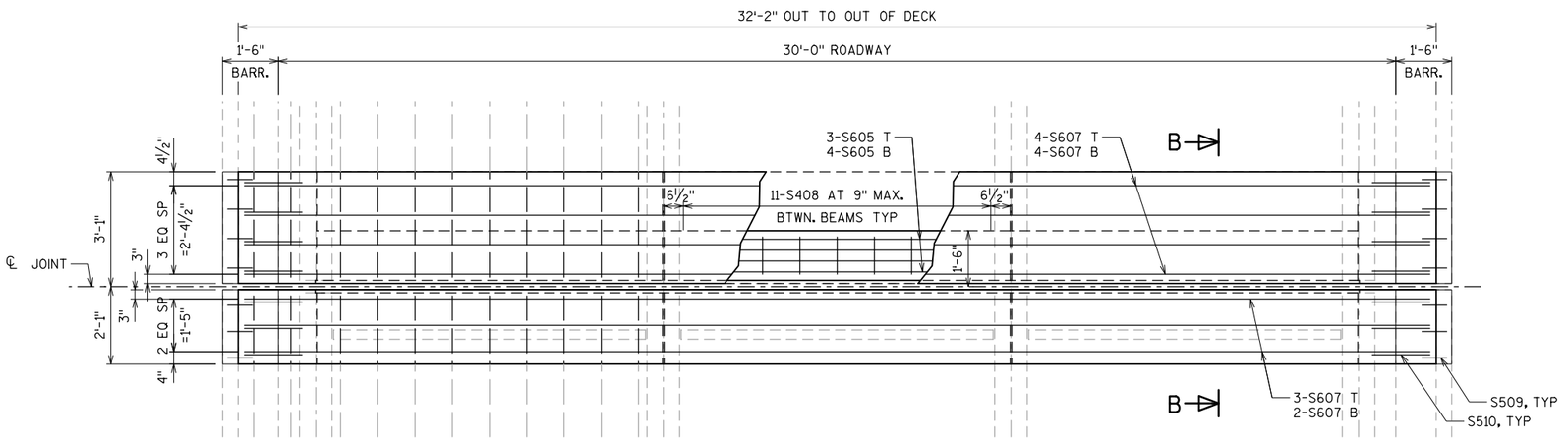
PLAN AT NORTH AND SOUTH ABUTMENT

SEE SHEET 1 FOR ORIENTATION



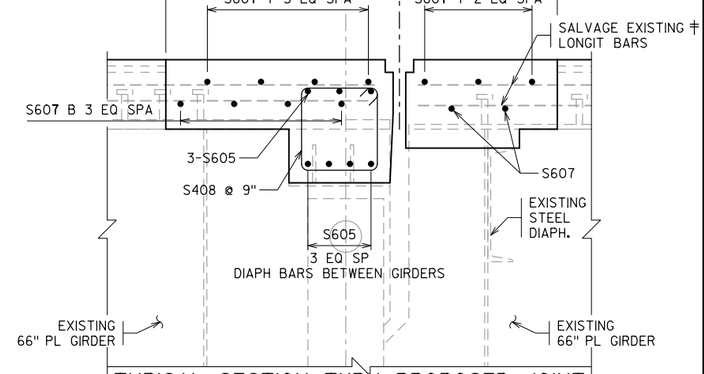
TYPICAL SECTION THRU PROPOSED JOINT SECTION A-A

NORMAL TO ℄ SUBSTRUCTURE



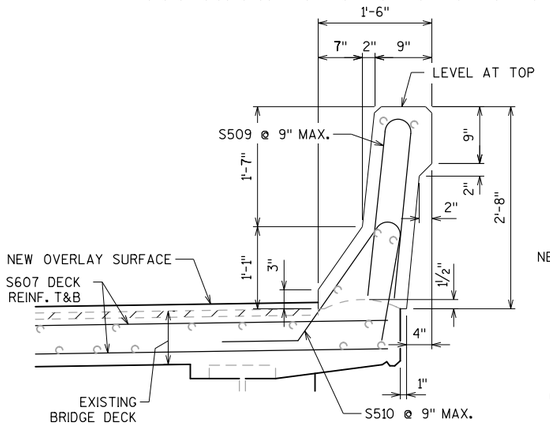
PLAN AT HINGE

SEE SHEET 1 FOR ORIENTATION

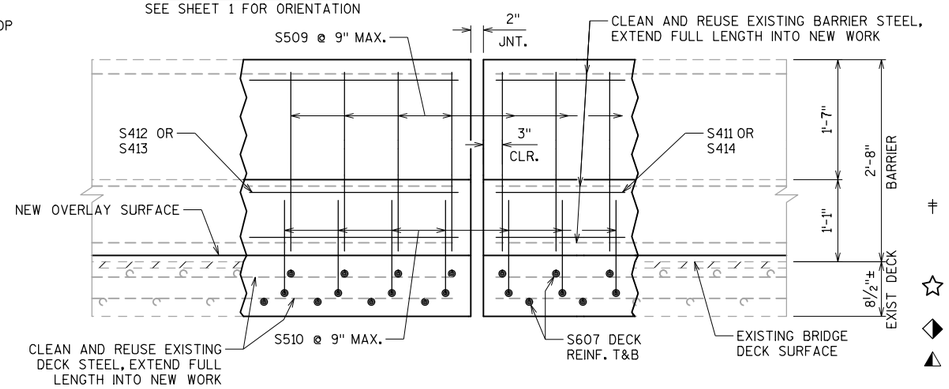


TYPICAL SECTION THRU PROPOSED JOINT SECTION B-B

NORMAL TO ℄ SUBSTRUCTURE



TYPICAL SECITON THRU PARAPET



TYPICAL PARAPET ELEVATION

LEGEND

ǂ EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. SALVAGE AND INCORPORATE AS MUCH REBAR AS PRACTICAL. SUPPLEMENT WITH THE BARS INDICATED BY ☆

☆ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" IN CONCRETE. SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◆ OPT CONST JT 1" MIN. BELOW EXISTING REINF

◭ STRIP SEAL EXPANSION DEVICE TYP AT EACH END OF BRIDGE AND HINGE JOINTS

▨ INDICATES REMOVAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

DRAWN BY	RAD	PLANS CK'D.	NCK

JOINT REPAIR DETAILS

SHEET 6 OF 11

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PLOT DATE: 8/1/2024 PLOT TIME: 11:25:26 AM

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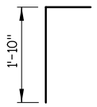

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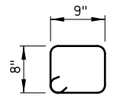

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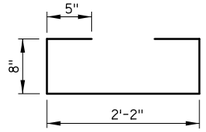

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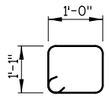

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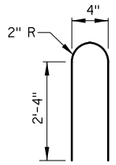

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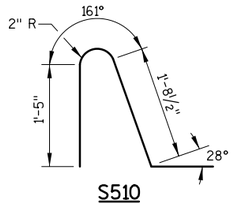

S510

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS — JOINT REPAIR

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERES	BENT	LOCATION
S501	X	64	2 - 7		X	PAVING BLOCK DOWEL
S402	X	64	3 - 6		X	PAVING BLOCK STIRRUP
S503	X	30	8 - 0			PAVING BLOCK HORIZ
S404	X	74	4 - 0		X	ABUTMENT DIAPH TIE
S605	X	72	8 - 10			DIAPH LONG
S406	X	12	8 - 10			DIAPH LONG
S607	X	40	31 - 10			DECK TRANSVERSE T & B
S408	X	66	4 - 10		X	HINGE DIAPH STIRRUP
S509	X	52	4 - 10		X	PARAPET VERT
S510	X	52	4 - 3		X	PARAPET VERT
S411	X	20	1 - 0			RAILING HORIZ
S412	X	20	2 - 5			RAILING HORIZ
S413	X	20	2 - 11			RAILING HORIZ
S414	X	20	2 - 1			RAILING HORIZ
			-			
			-			
			-			
			-			
			-			
			-			
			-			
			-			
			-			

▲ ADHESIVE ANCHORS NO. 5 BAR, 12" MIN EMBEDMENT INTO SOUND CONC. SPACE AT 1'-0', TURN 10" LEG AS NECESSARY TO FIT. WEIGHT OF ANCHOR INCLUDED IN TOTAL WEIGHT FOR JOINT REPAIR.

NOTES

SEE GENERAL NOTES ON SHEET 2.

LEGEND

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

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JOINT REPAIR DETAILS

SHEET 7 OF 11

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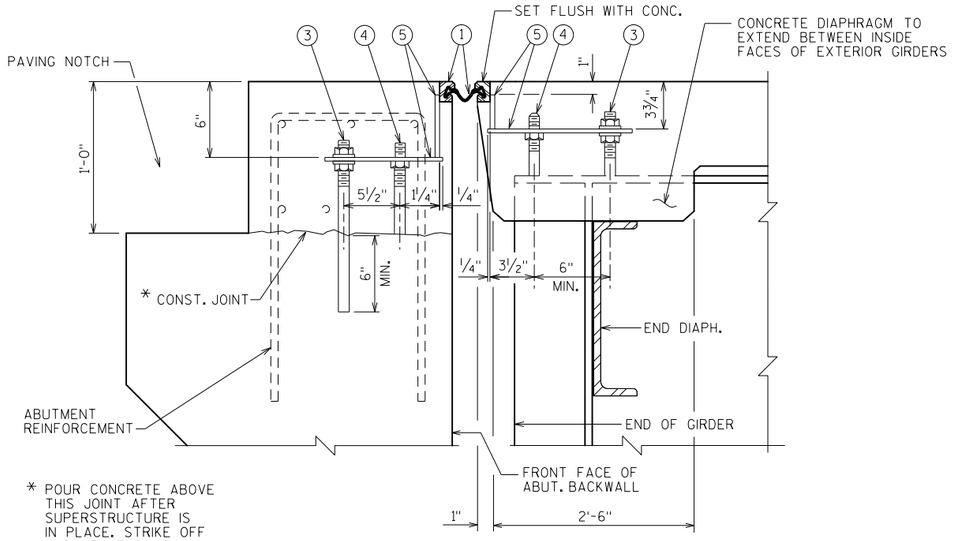


* POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

SECTION THRU JOINT AT ABUTMENT

NORMAL TO ℄ SUBSTRUCTURE

LEGEND

(1) NEOPRENE STRIP SEAL (3 - INCH) AND STEEL EXTRUSIONS. (ABUTMENTS)
NEOPRENE STRIP SEAL (5 - INCH) AND STEEL EXTRUSIONS. (HINGES)

(2) STUDS 5/8" DIA. X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.

(3) 3/4" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.

(4) 3/4" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3" X 1/2" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.

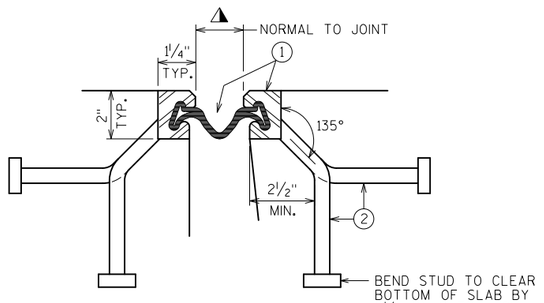
(6) GALVANIZED PLATE 3/8" X 10" X 2'-2" LONG WITH HOLES FOR NO. 7.

(7) 3/4" DIA. X 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

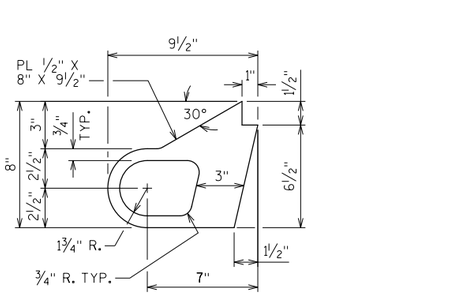
(9) 3/4" DIA. X 2 1/4" GALVANIZED THREADED COUPLING.

(11) 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

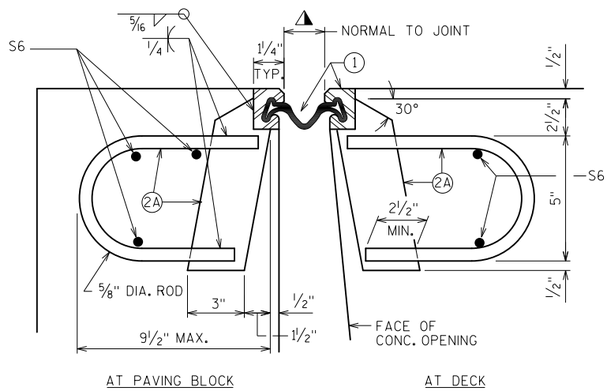


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS, MEDIANS AND SIDEWALKS

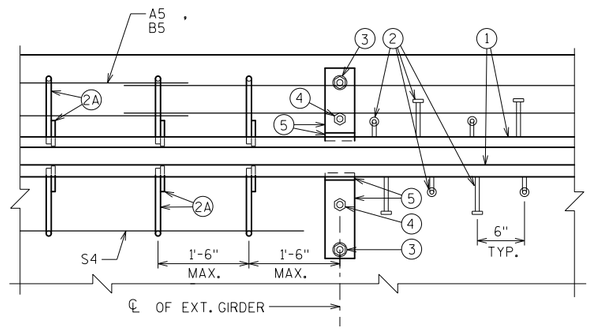


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



PART PLAN

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE B-32-111", LF.

⚠ TEMPERATURE TABLE

SHADED UNDERSIDE DECK TEMP. (°F)	JOINT OPENING (NORMAL TO JT.)	
	ABUT	HINGE
85°	1 3/16	1 5/8
75°	1 5/16	1 1/8
65°	2 1/16	2 1/8
55°	2 3/16	2 3/8
45°	2 1/4	2 5/8
35°	2 3/8	2 7/8
25°	2 7/16	3 1/16
15°	2 9/16	3 5/16
5°	2 5/8	3 9/16

A SMALL JOINT OPENING DUE TO A HIGH TEMPERATURE AT TIME OF CONSTRUCTION MAY REQUIRE NEOPRENE STRIP SEAL INSTALLATION INTO STEEL EXTRUSIONS PRIOR TO SETTING THE EXPANSION JOINT.

NO.	DATE	REVISION	BY

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EXPANSION DEVICE

SHEET 8 OF 11

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PLOT TIME: 11:25:28 AM

PLOT DATE: 8/1/2024

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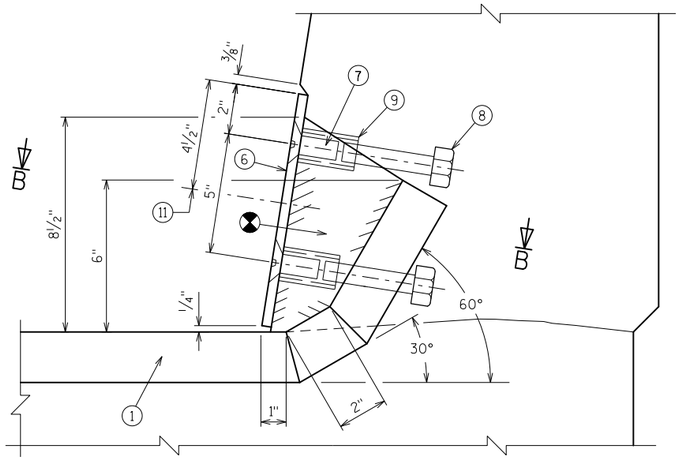
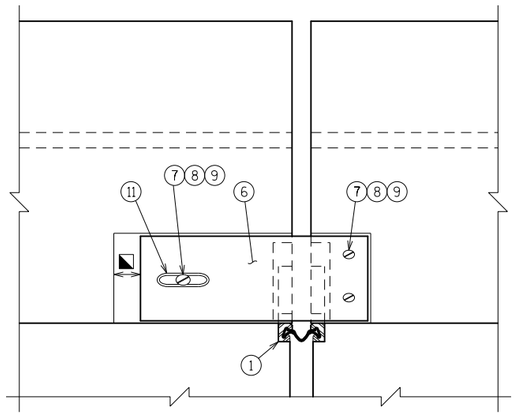
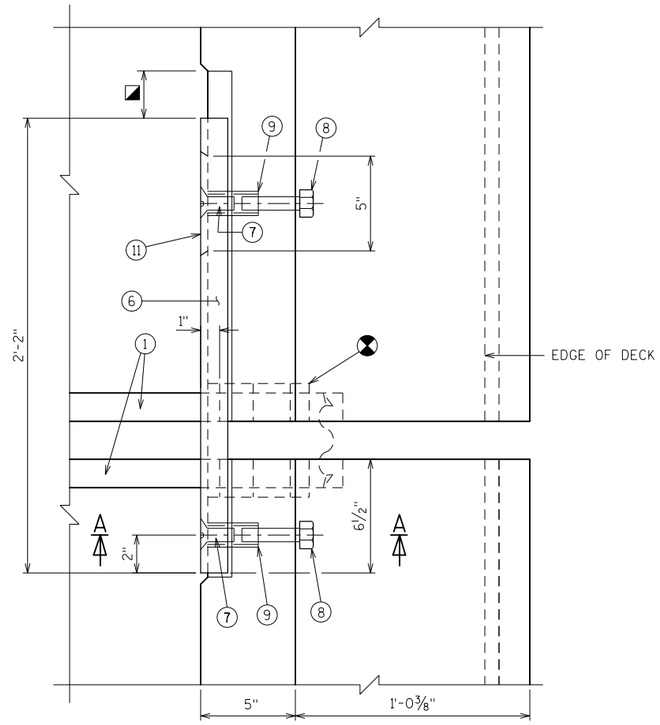


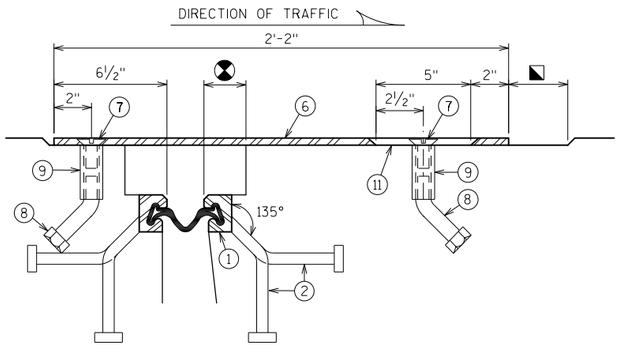
SECTION A-A



VIEW OF PARAPET PLATE
FROM ROADWAY



PLAN



SECTION B-B

⊗ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

◪ JOINT OPENING DIMENSION ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

DRAWN BY RAD | PLANS CK'D. NCK

COVER PLATE DETAILS

SHEET 9 OF 11
12

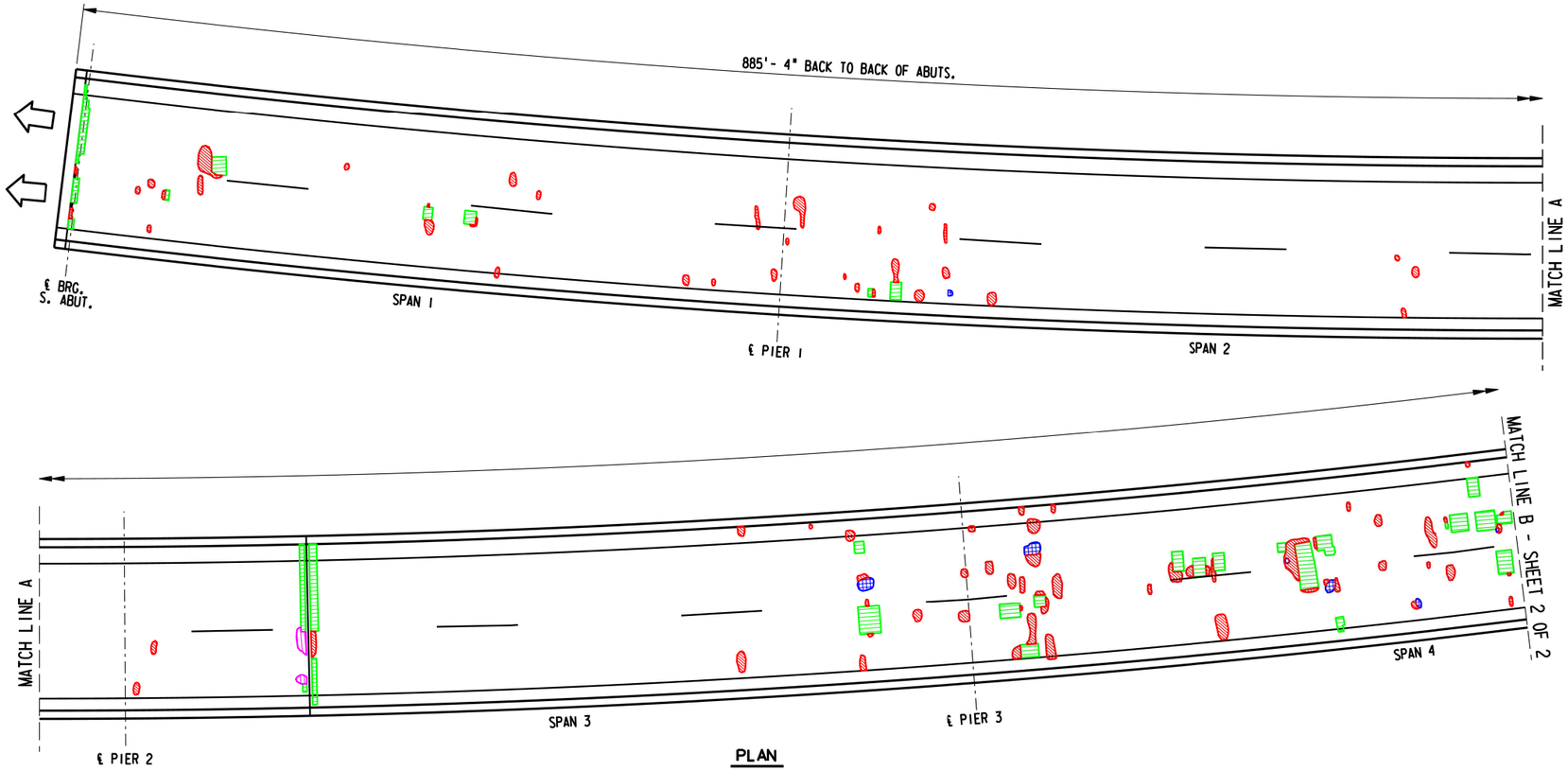
8

8

PLOT TIME: 11:25:29 AM
PLOT DATE: 8/1/2024
FILE NAME : X:\UZ\W\WITSW\171883\5-final-dsgn\5i-drawings\20-Struct\B-32-111\Sheet\b32111cp.dgn

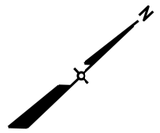
STATE PROJECT NUMBER

7575-01-65



PLAN

INFRARED THERMOGRAPHIC SURVEY RESULTS



FIELD OBSERVATIONS SUMMARY		STRUCTURE NO. B-32-111	
ITEM	UNIT	QUANT.	%
TOTAL AREA	ft^2	26538	
SHADE/DEBRIS	ft^2	0	
DELAMINATION	ft^2	531	2.0
SPALL	ft^2	1	<0.1
DEBONDED/MISSING TPO	ft^2	96	0.4
ASPHALT PATCH	ft^2	24	0.1
PCC PATCH	ft^2	707	2.7

LEGEND

- DELAMINATION
- SPALL
- DEBONDED/MISSING TPO
- ASPHALT PATCH
- PCC PATCH
- SHADE/DEBRIS

SCALE 0' 5' 10' 20'

SURFACE TYPE: THIN POLYMER OVERLAY
INFRARED INSPECTION DATE: 6/14/23, 1:00 PM

NO	REVISIONS	DRN	CHK	DATE

DATA COL TT/TG
ANALYSIS DS
CADD TG
CHECKED BS
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AECOM

INFRARED THERMOGRAPHIC INVESTIGATION OF STH 16 WB OVER CMSTP&P RR
STRUCTURE NO. B-32-111

PREPARED FOR WISCONSIN DEPARTMENT OF TRANSPORTATION BUREAU OF STRUCTURES

DATE 2/22/24
PROJECT NO 60709894
FILENAME B-32-111-IR.DGN
SHEET NO 1 OF 2
DRAWING NO

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

DRAWN BY RAD | PLANS CK'D. NCK

INFRARED THERMOGRAPHIC SURVEY RESULTS

SHEET 10 OF 11

13

FOR REFERENCE

PLOT DATE: 8/1/2024 PLOT TIME: 11:25:30 AM

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STATE PROJECT NUMBER

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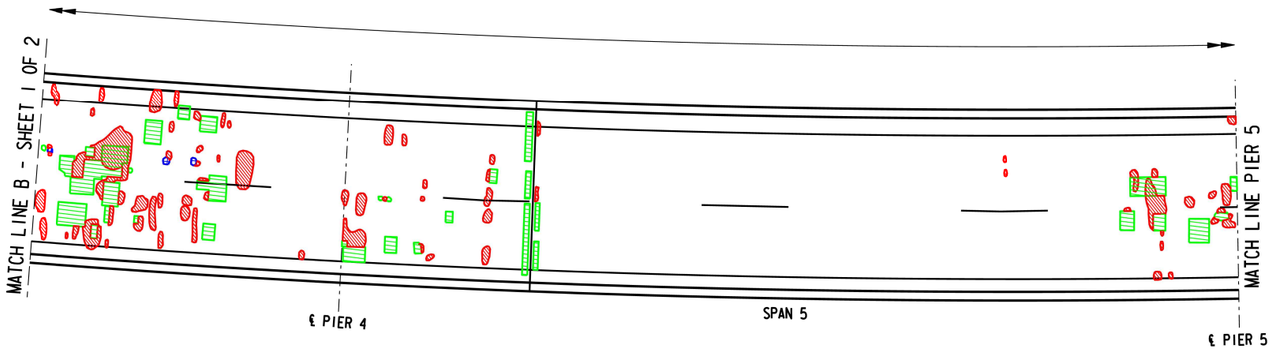

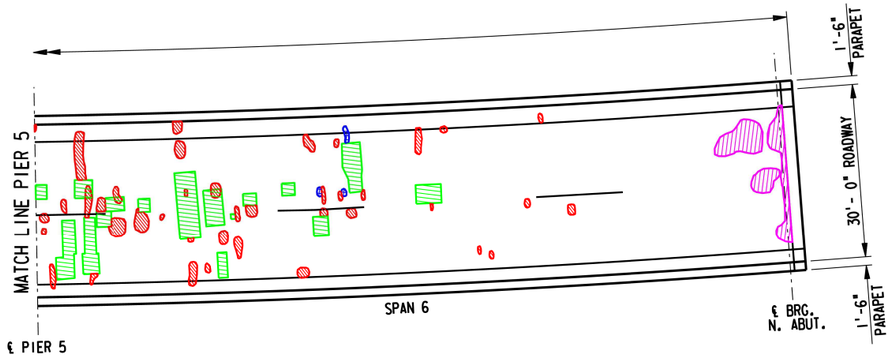

PLAN

INFRARED THERMOGRAPHIC SURVEY RESULTS

NOTE: SEE SHEET 1 OF 2 FOR DEFECT QUANTITIES

STRUCTURE NO. B-32-111

LEGEND	
DELAMINATION	
SPALL	
DEBONDED/MISSING TPO	
ASPHALT PATCH	
PCC PATCH	
SHADE/DEBRIS	

SCALE 0' 5' 10' 20'

SURFACE TYPE: THIN POLYMER OVERLAY
INFRARED INSPECTION DATE: 6/14/23, 1:00 PM

DATA COL.	TT/TG		
ANALYSIS	DS		
CADD	TG		
CHECKED	BS		

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NO	REVISIONS	DRN	CHK	DATE

AECOM

INFRARED THERMOGRAPHIC INVESTIGATION OF STH 16 WB OVER CMSTP&P RR
STRUCTURE NO. B-32-111

PREPARED FOR WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

DATE 2/22/24
PROJECT NO 60709894
FILENAME B-32-111-IR.DGN
SHEET NO 2 OF 2
DRAWING NO

FOR REFERENCE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-111

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INFRARED THERMOGRAPHIC SURVEY RESULTS

SHEET 11 OF 11
14

PLOT DATE: 8/1/2024 PLOT TIME: 11:25:40 AM

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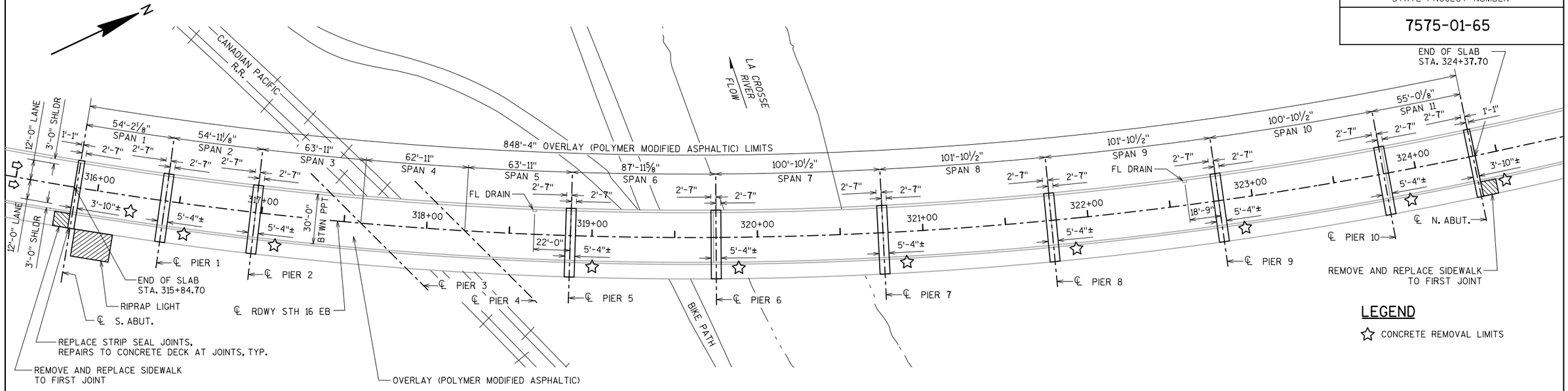
STATE PROJECT NUMBER
7575-01-65

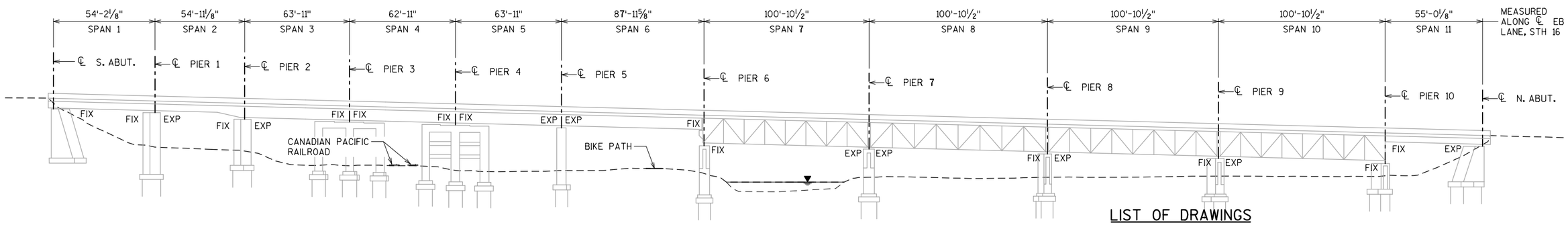


LEGEND

☆ CONCRETE REMOVAL LIMITS

PLAN

REHABILITATION - 11 SPAN - STEEL GIRDERS AND TRUSS



ELEVATION

NORMAL TO LA CROSSE RIVER

DESIGN DATA

LIVE LOAD:

DESIGN LOADING	=	HS 20
INVENTORY RATING	=	HS 12
OPERATING RATING	=	HS 20
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV)	=	190 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY - DECK & JOINT REPAIR ____ f'c = 4,000 PSI
- ALL OTHER ____ f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL REINFORCEMENT
AASHTO GRADE 60 ____ fy = 60,000 PSI

STRUCTURAL CARBON STEEL
(ASTM A709 GRADE 36 OR A36) ____ fy = 36,000 PSI

TRAFFIC DATA

ADT (2026)	=	42,500 (E.B. & W.B. TOTAL)
ADT (2046)	=	42,500 (E.B. & W.B. TOTAL)
DESIGN SPEED	=	45 MPH

LIST OF DRAWINGS

1	DECK REPAIR
2	NOTES AND QUANTITIES
3	SPOT CLEANING AND PAINTING
4-5	GUSSET PLATE REPAIR
6	MISCELLANEOUS STEEL REPAIR
7-11	BEARING DETAILS
12-16	SUBSTRUCTURE REPAIR DETAILS
17	JOINT REMOVALS
18-19	JOINT REPAIR DETAILS
20	EXPANSION DEVICE
21	COVER PLATE DETAILS
22-23	INFRARED THERMOGRAPHIC SURVEY RESULTS

WISCONSIN PROFESSIONAL ENGINEER
NATHAN C. KLOPP
E-39850
ST PAUL
MN
8/1/2024

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192
WISDOT BRIDGE OFFICE CONTACT: AARON BONK, PE, 608.261.0261

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED SDR 08/05/24
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-32-115

STH 16 EB OVER LA CROSSE RIVER & CP RR

COUNTY	TOWN/~~CITY/VILLAGE~~
LA CROSSE	MEDARY

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NCK	DKW	RAD	NCK

DECK REPAIR

SHEET 1 OF 23
15

8

8

PLOT TIME: 12:34:36 PM
PLOT DATE: 8/1/2024
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STATE PROJECT NUMBER
7575-01-65

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND INSPECTION REPORTS. EXISTING BRIDGE PLANS AVAILABLE AT WISDOT.

STATIONING MAY VARY BASED ON EXACT LOCATION OF BRIDGE TO PROPOSED ALIGNMENT.

CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS.

ANY EXCAVATION REQUIRED TO COMPLETE THE DECK OVERLAY AT THE ABUTMENTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "HMA OVERLAY POLYMER-MODIFIED".

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, CONCRETE SURFACE REPAIR AND FULL-DEPTH DECK REPAIR AS DETERMINED, LOCATED, MARKED AND MEASURED BY THE FIELD ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK REPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY DECK REPAIR".

BOTTOM OF THE EXISTING DECK WILL BE INSPECTED FOR AREAS OF FULL-DEPTH DECK REPAIR PRIOR TO DECK PREPARATION OPERATIONS.

BOTTOM OF THE EXISTING DECK IS TO BE INSPECTED FOR AREAS OF DISTRESS AFTER COMPLETION OF THE DECK PREPARATION AND PRIOR TO OVERLAYING THE BRIDGE.

REMOVING 1" OF EXISTING DECK IS INCLUDED IN THE BID ITEM "CLEANING DECKS".

REMOVAL OF EXISTING CHIP SEAL IS INCIDENTAL TO THE BID ITEM "CLEANING DECKS".

A MAXIMUM OF 1½" OF THE EXISTING DECK MAY BE REMOVED.

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.2 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF ALL ABUTMENTS AND BELOW EXPANSION DEVICES.

EXISTING BRIDGE IS AN ELEVEN SPAN BRIDGE. SEVEN SPANS - STEEL DECK GRIDER / FLOORBEAM SYSTEM. FOUR SPANS - STEEL DECK TRUSS. TRUSS SPAN LENGTHS ARE APPROXIMATELY 102 FT. DECK GRIDER / FLOORBEAM SYSTEM RANGE FROM 54 TO 88 FEET IN LENGTH. ROADWAY WIDTH IS 30 FEET. DECK WIDTH IS 41.5 FEET.

THE PLAN QUANTITY FOR THE BID ITEM "HMA OVERLAY POLYMER-MODIFIED" IS BASED ON THE AVERAGE OVERLAY THICKNESS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT, INCLUDING DECK PREPARATION AREAS.

THESE STRUCTURE PLANS ARE ONLY THE STRUCTURE REPAIR WORK. ANY ADDITIONAL REMOVAL REQUIRED, OUTSIDE OF THE LIMITS SHOWN IN THESE PLANS MUST BE COORDINATED WITH THE FIELD ENGINEER. FIELD ENGINEER SHOULD BE CONTACTED FOR APPROVAL OF ADDITIONAL REMOVAL.

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM POLYMER MODIFIED ASPHALTIC OVERLAY THICKNESS OF 2" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2½". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½", CONTACT THE STRUCTURES DESIGN SECTION. (6) (5)

APPLY "PIGMENTED SURFACE SEALER RESEAL" TO THE EXISTING CONCRETE PARAPETS PER THE STANDARD SPECIFICATIONS AND AS SHOWN IN THIS PLAN SET.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE. (7)

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

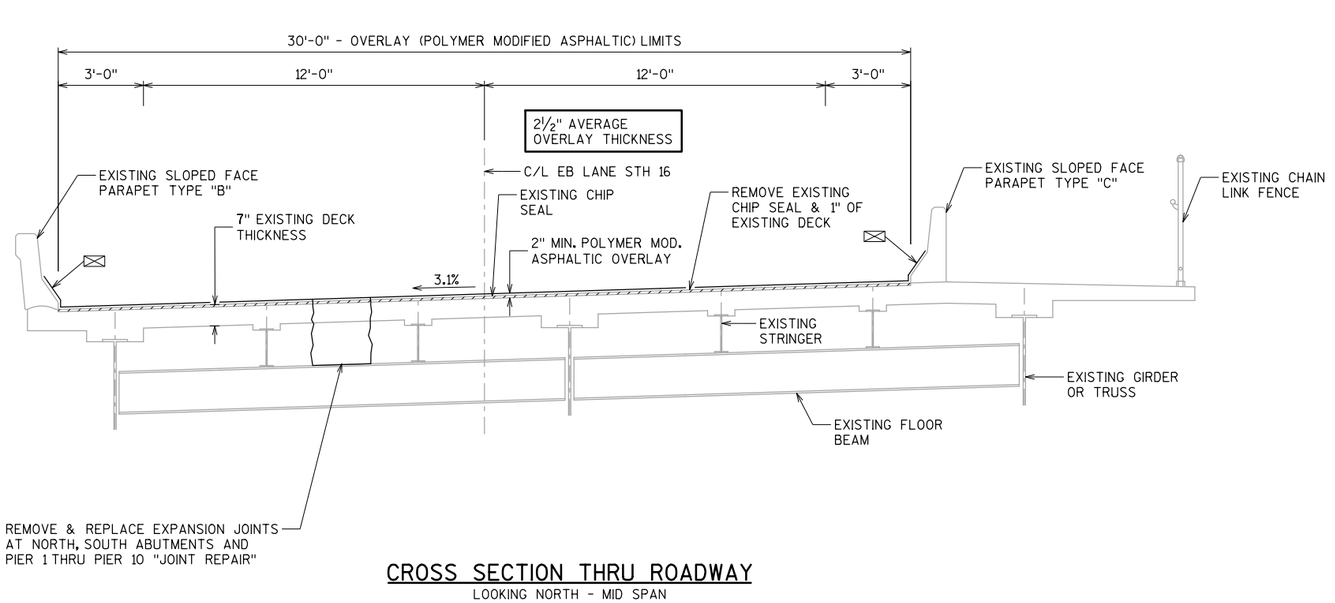
THE FIRST DIGIT OF A THREE DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE. (2)

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED. (2)

SEE PROJECT ID 7575-01-76 FOR TRAFFIC STAGING. COORDINATE THESE STRUCTURE PLANS WITH THE ROADWAY STAGING.

TOTAL ESTIMATED QUANTITIES - B-32-115

	BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
(6)	203.0330	DEBRIS CONTAINMENT B-32-115	EACH	1
(5)	203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-32-115	EACH	1
	502.3101	EXPANSION DEVICE	LF	400
	502.3205	PIGMENTED SURFACE SEALER RESEAL	SY	641
	502.4205	ADHESIVE ANCHORS NO 5. BAR	EACH	64
	505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	17600
(7)	506.0105	STRUCTURAL STEEL CARBON	LB	1340
	506.5000	BEARING ASSEMBLIES FIXED B-32-115	EACH	7
	506.6000	BEARING ASSEMBLIES EXPANSION B-32-115	EACH	5
	506.7050.S	REMOVING BEARINGS B-32-115	EACH	12
(2)	509.0301	PREPARATION DECKS TYPE 1	SY	55
(2)	509.0302	PREPARATION DECKS TYPE 2	SY	20
	509.0310.S	SAWING PAVEMENT DECK PREPARATION AREAS	LF	805
	509.0500	CLEANING DECKS	SY	2830
	509.1000	JOINT REPAIR	SY	90
(3)	509.1500	CONCRETE SURFACE REPAIR	SF	120
	509.2000	FULL-DEPTH DECK REPAIR	SY	30
(1)	509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	211
	509.3500.S	HMA OVERLAY POLYMER-MODIFIED	TON	380
	517.1801.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-32-115	EACH	1
	517.4501.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-32-115	EACH	1
	517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	1
	606.0100	RIPRAP LIGHT	CY	17



CROSS SECTION THRU ROADWAY
LOOKING NORTH - MID SPAN

QUANTITIES NOTES

(1) CONCRETE FOR:
* PREPARATION DECKS TYPE 1 & 2, *FULL-DEPTH DECK REPAIR, AND JOINT REPAIR.

(2) PERTAINS TO DECK.

(3) AS LOCATED BY FIELD ENGINEER.

* THESE QUANTITY TOTALS ARE AN ESTIMATE AND ARE INCLUDED IN BID ITEM "CONCRETE MASONRY DECK REPAIR".

-PREPARATION DECKS TYPE 1 = 3 CY
-PREPARATION DECKS TYPE 2 = 3 CY
-FULL-DEPTH DECK REPAIR = 6 CY

(5) DEBRIS CONTAINMENT WILL ONLY BE PAID FOR LOCATION OVER THE WATER.

(6) SHALL INCLUDED PAYMENT FOR CONTAINMENT OVER THE RAILROAD

(7) EXISTING STEEL REMOVAL ITEMS SHALL BE INCLUDED IN THE PAID ITEM STRUCTURAL STEEL CARBON

LEGEND

⊠ COVER PLATES REQUIRED EACH PARAPET JOINT REPAIR LOCATIONS

SCOPE OF WORK

1. PLACE OVERLAY (POLYMER MODIFIED ASPHALTIC).
2. REPLACE EXISTING EXPANSION DEVICES
3. REPLACE BEARING ASSEMBLIES
4. REPAINT PORTIONS OF STEEL GIRDERS AND STEEL TRUSS
5. ADDING STEEL STRENGTHENING TO EXISTING TRUSS
6. LIMITED CONCRETE REPAIRS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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NOTES AND QUANTITIES

SHEET 2 OF 23

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PLOT DATE: 8/1/2024 PLOT TIME: 4:57:01 PM

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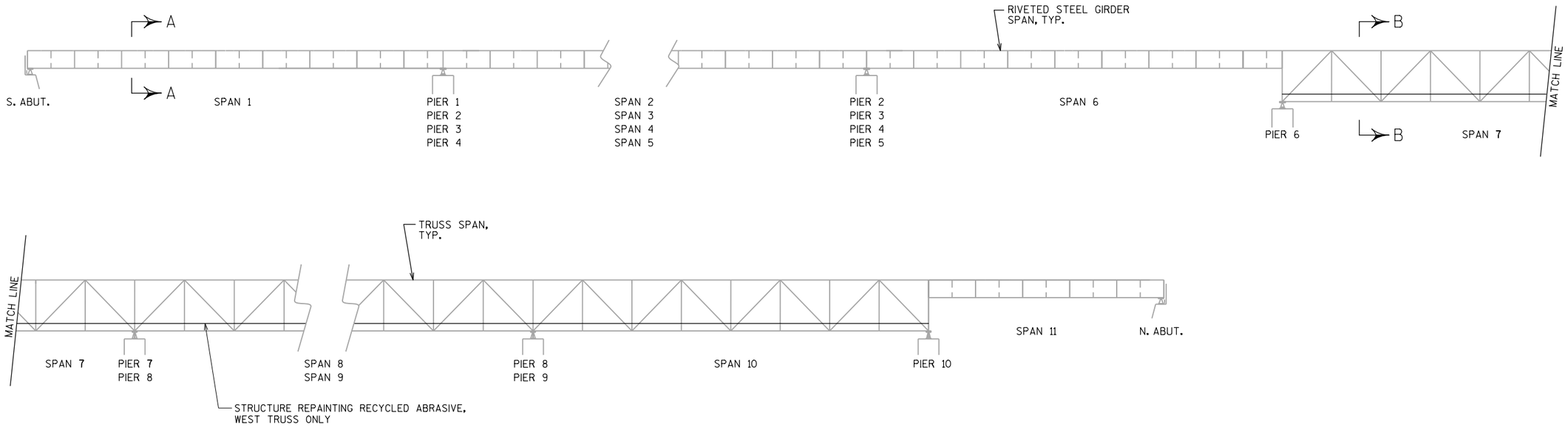
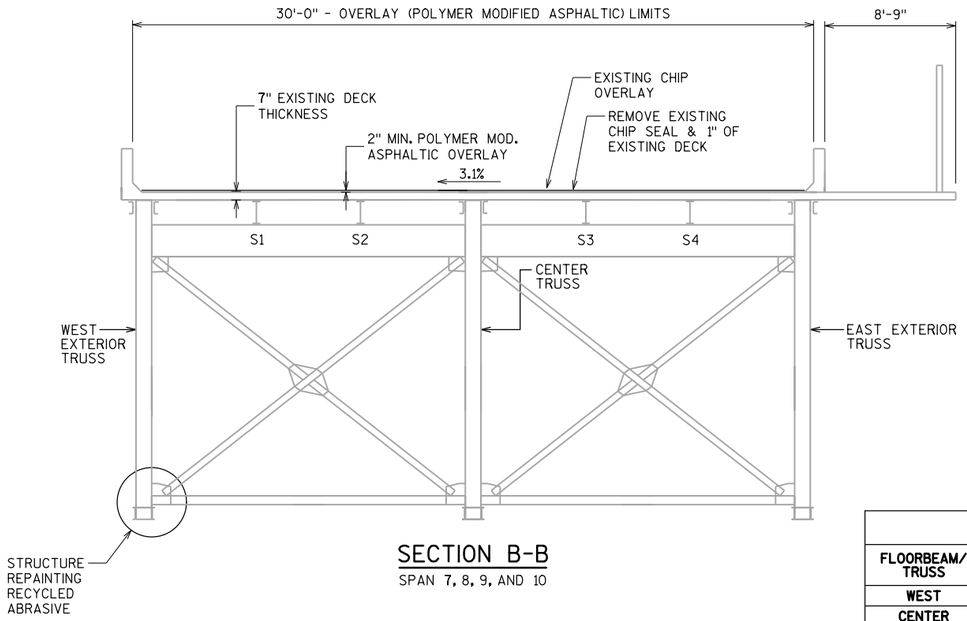
STATE PROJECT NUMBER
7575-01-65

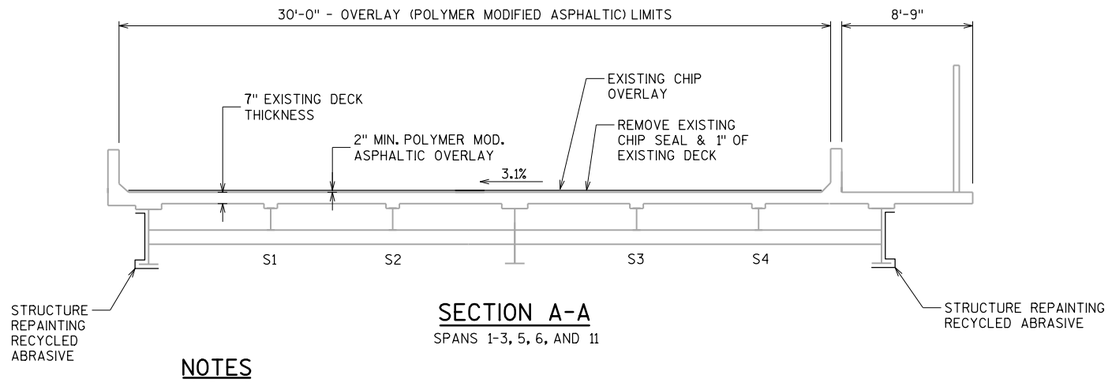


ELEVATION



SECTION B-B

SPAN 7, 8, 9, AND 10



SECTION A-A

SPANS 1-3, 5, 6, AND 11

NOTES

SPOT CLEAN AND PAINT EXISTING EXPOSED SUPERSTRUCTURE STEEL EXHIBITING ACTIVE CORROSION WITHIN THE LIMITS DESCRIBED BELOW AND AS SHOWN ON THE PLANS. AREAS REPRESENTING ACTIVE CORROSION ARE DEFINED IN THE SPECIAL PROVISION FOR "STRUCTURE REPAINTING RECYCLED ABRASIVE B-32-115"

THE COLOR OF PAINT SHALL BE BROWN, (AMS STANDARD COLOR NO. 20252) OR SIMILAR COLOR APPROVED BY THE ENGINEER.

STRUCTURE REPAINTING RECYCLED ABRASIVE*

FLOORBEAM/ TRUSS	SPAN										
	1	2	3	4	5	6	7	8	9	10	11
WEST	405	405	610	610	610	610	1050	1050	1050	1050	610
CENTER											
EAST	405	405	610	610	610	610					610

* AREA (SFT) INFORMATION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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SPOT CLEANING AND PAINTING

SHEET 3 OF 23

17

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:38 PM

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STATE PROJECT NUMBER

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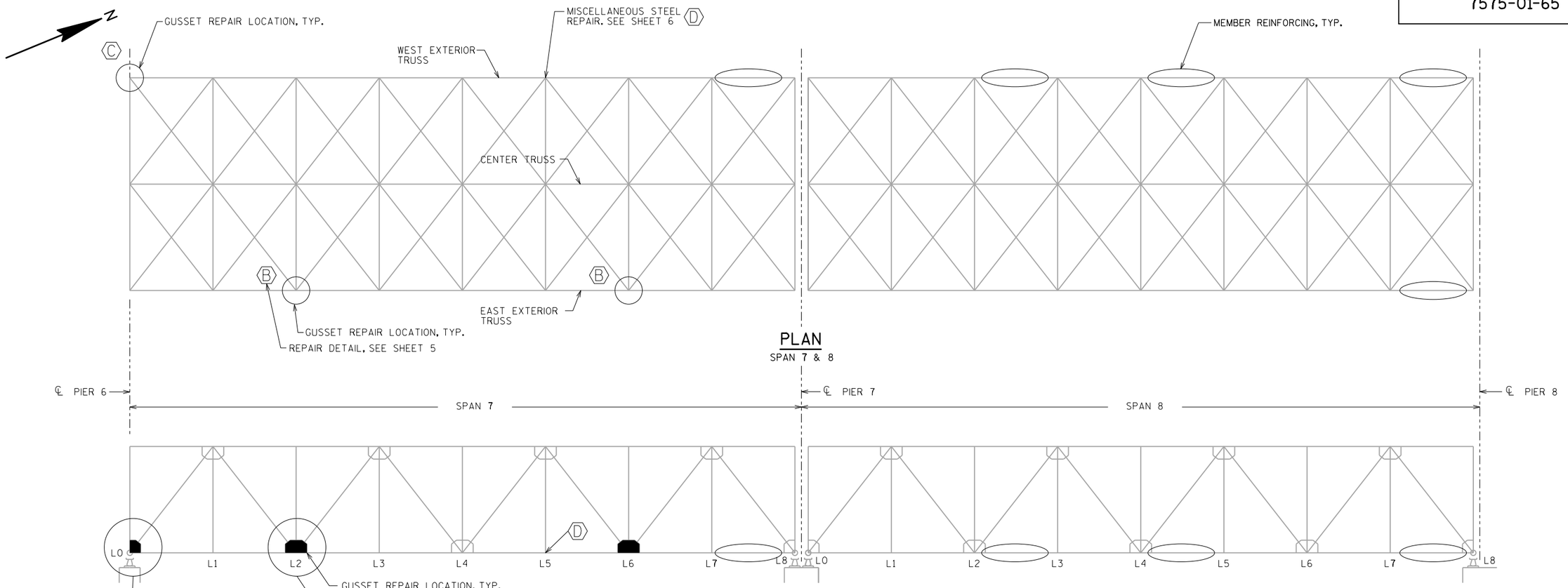
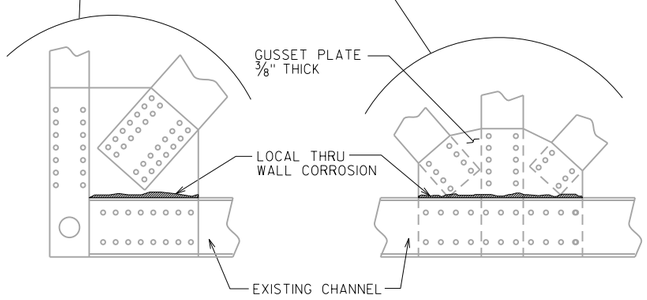


PLAN
SPAN 7 & 8

ELEVATION
SPAN 7 & 8



TYPICAL CORROSION DAMAGE
TYPICAL BOTH SIDES OF TRUSS

GUSSET REPAIR NOTES

GUSSET REPAIR INVOLVES REMOVAL OF SELECT EXISTING RIVETS, PREPARATION OF THE FAYING SURFACE, FIELD DRILLING AND BOLTING NEW ANGLES JOINING THE LOWER CHORD MEMBERS AND VERTICAL GUSSET PLATES. ALL REPAIR WORK TO BE INCIDENTAL TO BID ITEM "STRUCTURAL CARBON STEEL." PERFORM WORK IN ACCORDANCE TO SECTION 506 OF THE STANDARD SPECIFICATIONS, AND THE PLANS.

GUSSET REPAIR DETAILS ARE CONCEPTUAL AND MAY NOT ACCURATELY REPRESENT THE ACTUAL AS-BUILT FIELD CONDITIONS.

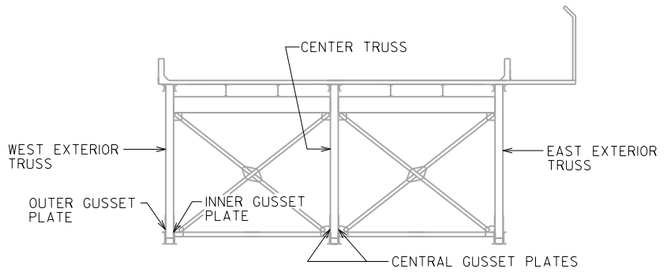
INSTALL RETROFIT COMPLETELY AT ONE LOCATION, DENOTED IN PLAN VIEW BY "GUSSET REPAIR LOCATION", BEFORE BEGINNING WORK ON THE NEXT REPAIR LOCATION WITHIN A GIVEN SPAN.

PREPARE THE EXISTING FAYING SURFACE BY REMOVING AREAS OF ACTIVE CORROSION AS SPECIFIED IN SPECIAL "STRUCTURE REPAINTING RECYCLED ABRASIVE (B-32-115)". PAINT CLEANED AREAS, THEN PREPARE TO SSPC-SP11 A 3"ϕ AREA ABOUT THE NEW AND EXISTING BOLT HOLES USED FOR ATTACHING THE RETROFIT ANGLE.

REMOVE EXISTING ¾"ϕ RIVETS AND REPLACE WITH ¾"ϕ A325 BOLTS FOR ATTACHING THE RETROFIT ANGLE IF A MINIMUM EDGE DISTANCE OF 1" CAN BE MAINTAINED. OTHERWISE, NOTCH ANGLE TO AVOID CONFLICTING RIVET. BEVELED WASHERS MAY BE REQUIRED FOR ATTACHMENT TO EXISTING CHANNELS.

DRILL HOLES 1/16" LARGER THAN BOLT DIAMETER.

RETROFIT ANGLES TO BE PAINTED IN ACCORDANCE WITH SPECIAL "STRUCTURE REPAINTING RECYCLED ABRASIVE (B-32-115)". FAYING SURFACES OF ANGLES TO RECIEVE A COAT OF PRIMER PRIOR TO INSTALLATION.



CROSS SECTION
LOOKING UP STATION (NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

GUSSET PLATE REPAIR 1

SHEET 4 OF 23

18

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PLOT TIME: 12:34:39 PM

PLOT DATE: 8/1/2024

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STATE PROJECT NUMBER
7575-01-65

N

MEMBER REINFORCING, TYP.

WEST EXTERIOR TRUSS

CENTER TRUSS

EAST EXTERIOR TRUSS

MISCELLANEOUS STEEL REPAIR, SEE SHEET 6 (E)

MISCELLANEOUS STEEL REPAIR, SEE SHEET 6 (D)

(B) (B) (B) (A)

GUSSET REPAIR LOCATION, TYP.

REPAIR DETAIL

MISCELLANEOUS STEEL REPAIR, SEE SHEET 6 (D)

PLAN
SPAN 9 & 10

℄ PIER 8 — SPAN 9 — ℄ PIER 9 — SPAN 10 — ℄ PIER 10

L0 L1 L2 L3 L4 L5 L6 L7 L8 L0 L1 L2 L3 L4 L5 L6 L7 L8

(D) (D)

GUSSET REPAIR LOCATION, TYP.

ELEVATION
SPAN 9 & 10

☆ EXISTING RIVETS TO BE REMOVED. MATCH DRILL NEW ANGLE TO EXISTING HOLES AND INSTALL ¾"ϕ HIGH STRENGTH ASTM A325 BOLTS.

(4) NEW L5X3½X½ PER LOCATION

INNER GUSSET PL

OUTER GUSSET PL

5" MAX. TYP.

FIELD DRILL RETROFIT ANGLE AND EXISTING MEMBER. INSTALL NEW ¾"ϕ HIGH STRENGTH ASTM A325 BOLTS. TYP.

PLAN

NOTCH ANGLE (IF REQUIRED) TYP.

1'-0" TYP.

ELEVATION

(A) REPAIR

(4) NEW L5X3½X½ PER LOCATION

SHIM AS NECESSARY TYP.

PLAN

NOTCH ANGLE (IF REQUIRED) TYP.

1'-3" TYP.

SHIM AS NECESSARY TYP.

ELEVATION

(B) REPAIR

(2) NEW L5X3½X½ PER LOCATION

SHIM AS NECESSARY

INNER OR CENTRAL GUSSET PLATES

OUTER GUSSET PLATE

PLAN

NOTCH ANGLE (IF REQUIRED)

1'-8"

SHIM AS NECESSARY

ELEVATION

(C) REPAIR

13/16 "ϕ FIELD DRILLED HOLE TYP.

EXISTING GUSSET PLATE

5"

2½" *

1½" *

L5X3½X½

3½"

BEVELED WASHER MAY BE REQ'D

EXISTING CHANNEL

* LOCATION OF BOLTS HOLES (WHEN POSSIBLE). MAINTAIN 1" MINIMUM EDGE DISTANCE.

RETROFIT SECTION
TYPICAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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GUSSET PLATE REPAIR 2

SHEET 5 OF 23

19

PLOT TIME: 12:34:39 PM

PLOT DATE: 8/1/2024

FILE NAME : X:\UZ\W\WITSW\17883\5-final-dsgn\5i-drawings\20-Struct\B-32-115\Sheet\b32il5gr.dgn

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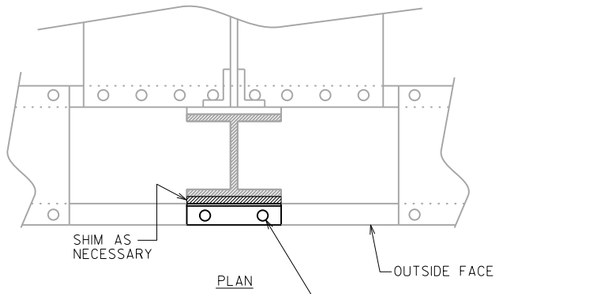
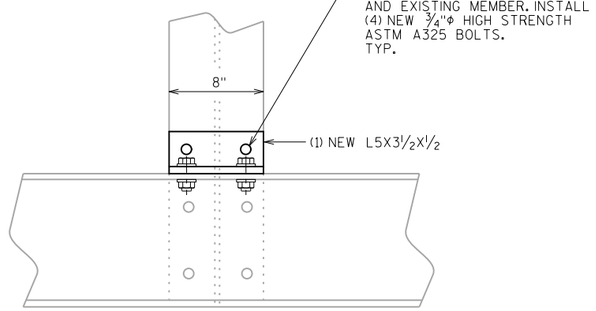
8

STATE PROJECT NUMBER

7575-01-65



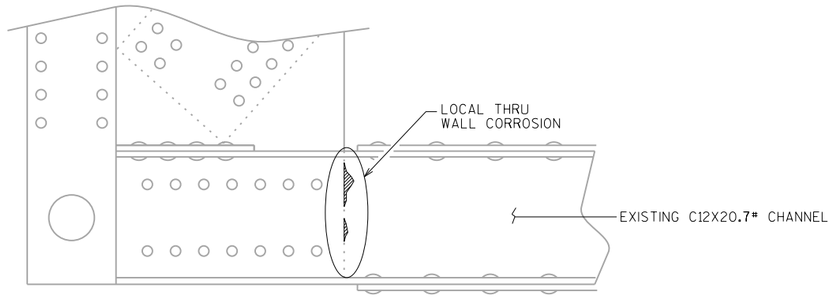
PLAN

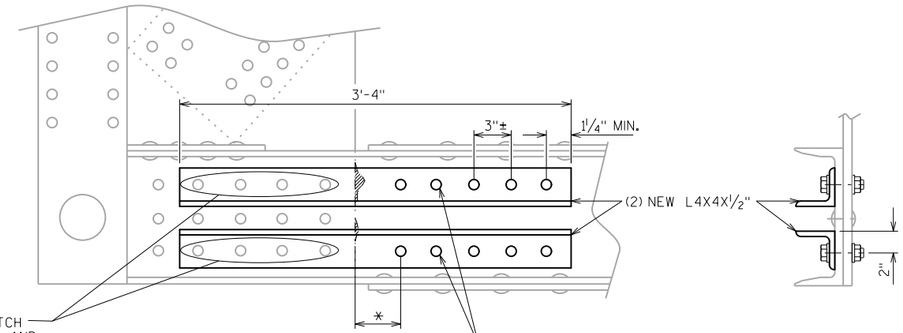


OUTSIDE ELEVATION

Ⓓ REPAIR

SEE SHEET 5 FOR MORE DETAILS





SECTION

OUTSIDE ELEVATION
DIMENSIONS ARE TYPICAL

Ⓔ REPAIR

INSTALL A SINGLE ANGLE COMPLETELY BEFORE INSTALLING THE SECOND

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

MISCELLANEOUS STEEL REPAIR

SHEET 6 OF 23

20

8

8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:42 PM

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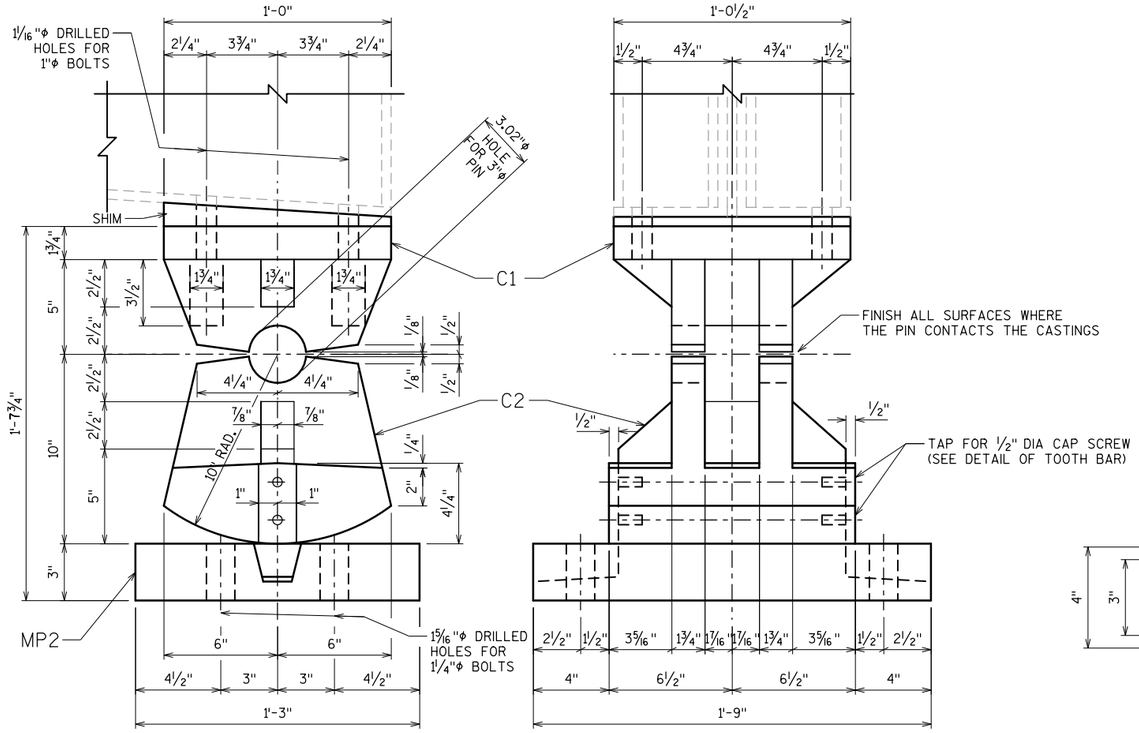
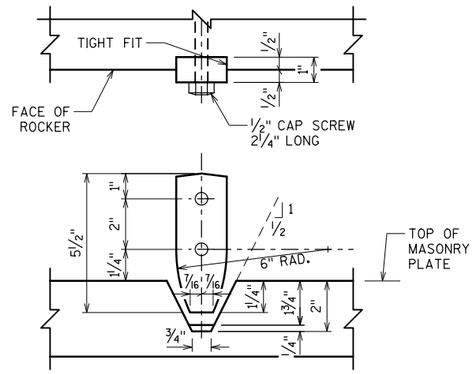
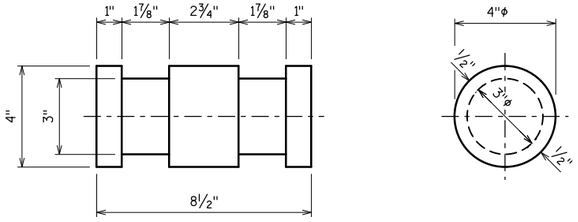


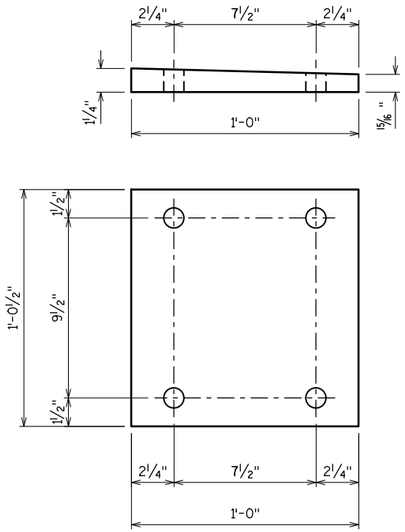
PIER 1 - CASTINGS C1 & C2



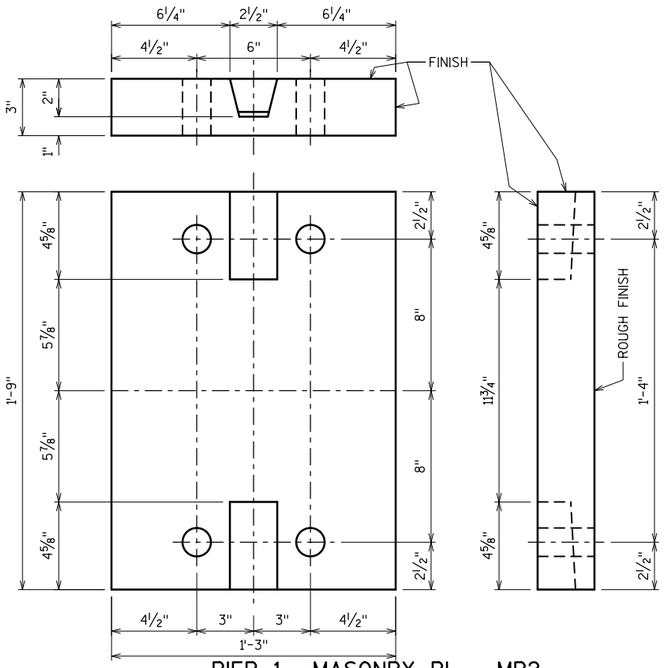
PIER 1 - TOOTH BAR



PIER 1 - PIN - P1



PIER 1 - SHIM



PIER 1 - MASONRY PL - MP2

BEARING REPLACEMENT LOCATIONS

PIER	BEARING LINE	BEARING LOCATION WEST	BEARING LOCATION CENTER	BEARING LOCATION EAST	CASTING NUMBER	MASONRY PLATE
1	NORTH		1		C1 & C2	MP2
6	SOUTH	1			C4 & C6	(1)
7	SOUTH	1			C10	MP8
7	NORTH	1			C10	MP8
8	SOUTH	1	1		C9	MP9
8	NORTH	1			C10	MP8
9	SOUTH	1			C9	MP9
9	NORTH	1			C10	MP8
10	NORTH	1	1	1	C1 & C7	(1)

TYPICAL BEARING NOTES

ORIGINAL DESIGN PLANS INDICATE 1/8" LEAD SHEETS UNDER MASONRY PLATES. FOLLOW STATE REGULATIONS WHEN HANDLING AND DISPOSING OF LEAD MATERIAL.

REPLACING LEAD SHEETS WITH 1/8" BEARING PAD. COST OF THE 1/8" BEARING SHALL BE INCLUDED IN THE BID ITEM "BEARING ASSEMBLIES FIXED B-32-115" OR "BEARING ASSEMBLIES EXPANSION B-32-115"

(1) EXISTING MASONRY PLATES MP4 AND MP5 TO REMAIN INPLACE, CLEAN AND PAINT PRIOR TO INSTALLING NEW BEARINGS. IF SHIMS ARE INPLACE BELOW EXISTING BEARINGS, REPLACE IN KIND. SEE SHEET 8 AND 11 FOR BEARING DETAILS.

1"φ BOLTS FOR CASTING C1 VARY IN LENGTH, SEE SHEET E5 OF 1937 ERECTION DRAWINGS

ALL CASTINGS SHALL BE ANNEALED CAST STEEL, AND SHALL HAVE ALL EDGES FINISHED.

TOOTH BARS SHALL BE STEEL FORGINGS.

PINS SHALL BE STEEL FORGING. CUT FROM SOLID METAL, NO FILLETS ALLOWED AND FINISHED ALL OVER.

MASONRY PLATES AND BEARING CASTING ARE DETAILED WITH ADDITIONAL ANCHOR BOLT HOLES, IF THE EXISTING ANCHOR BOLTS CAN NOT BE REUSED.

A MINIMUM OF TWO ANCHOR BOLTS MUST BE USED PER ANCHOR SYSTEM. UNUSED ANCHOR BOLT HOLES SHALL BE FILLED WITH GROUT.

IF ADHESIVE ANCHORS ARE USED:

ADHESIVE ANCHORS 1¼INCH WITH A MIN. EMBED OF 18" IN CONCRETE WITH 5" THREAD.

ANCHOR BOLTS, NUTS AND WASHER SHALL CONFORM TO ASTM F1554 GRADE 55, OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATION.

THE ADHESIVE ANCHORS SHALL BE INCIDENTAL TO THE BEARING ASSEMBLE.

GIRDER REACTIONS (KIPS)

UNIT	BRG. LINE	WEST	CENTER	EAST
S. ABUT	NA	54	61	57
PIER 1	SOUTH	54	61	57
	NORTH	54	61	57
PIER 2	SOUTH	55	62	58
	NORTH	44	72	89
PIER 3	SOUTH	44	72	89
	NORTH	64	71	65
PIER 4	SOUTH	64	71	65
	NORTH	82	71	48
PIER 5	SOUTH	82	71	48
	NORTH	92	103	97
PIER 6	SOUTH	92	103	97
	NORTH	105	118	110
PIER 7	SOUTH	105	118	110
	NORTH	105	118	110
PIER 8	SOUTH	105	118	110
	NORTH	105	118	110
PIER 9	SOUTH	105	118	110
	NORTH	105	118	110
PIER 10	SOUTH	105	118	110
	NORTH	54	61	57
N. ABUT	NA	54	61	57

DEAD LOAD ONLY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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BEARING DETAILS

SHEET 7 OF 23
21

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:43 PM
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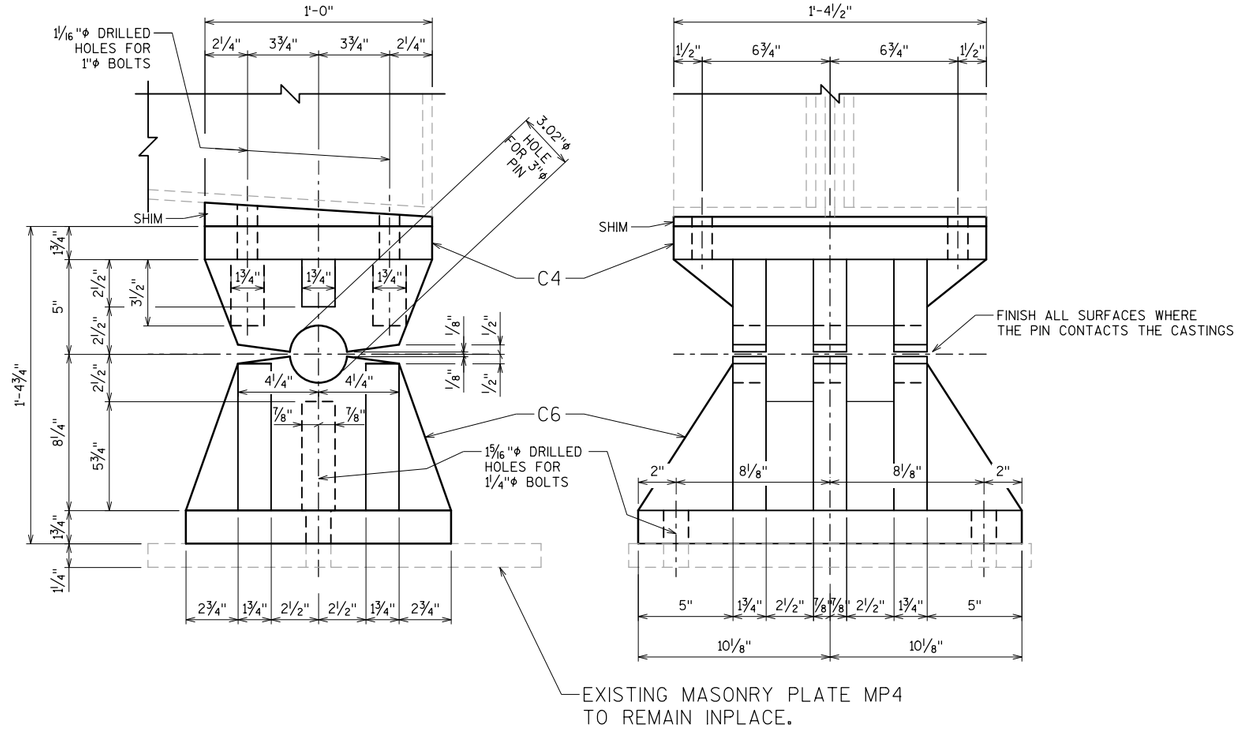
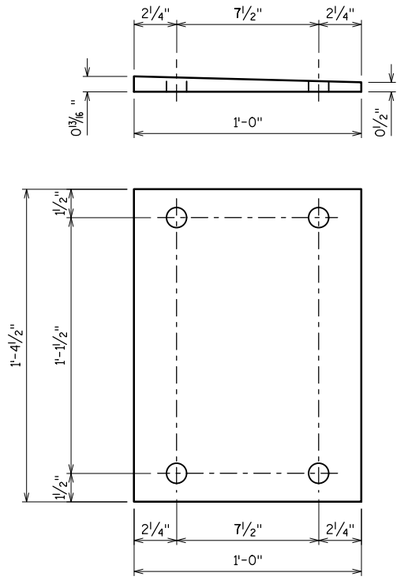
STATE PROJECT NUMBER

7575-01-65



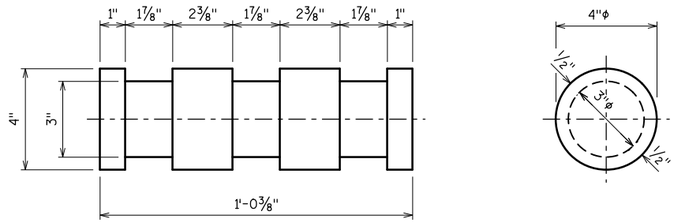
PIER 6 - CASTINGS C4 & C6



PIER 6 - SHIM

NOTES

1"φ BOLTS FOR CASTING C4 & 1 1/4"φ BOLTS FOR CASTING C6 VARY IN LENGTH, SEE SHEET E5 OF 1937 ERECTION DRAWINGS



PIER 6 - PIN - P2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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BEARING DETAILS

SHEET 8 OF 23

22

8

8

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STATE PROJECT NUMBER

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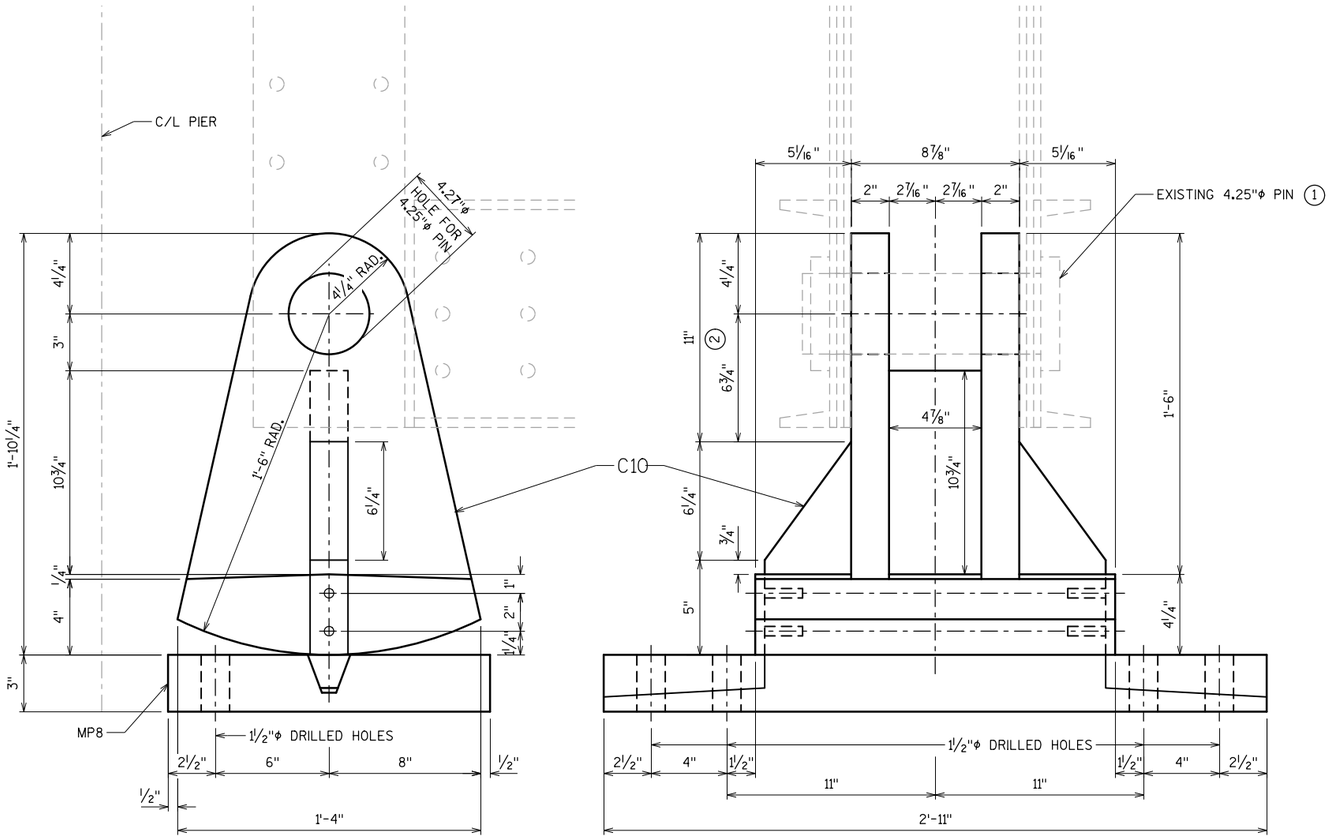
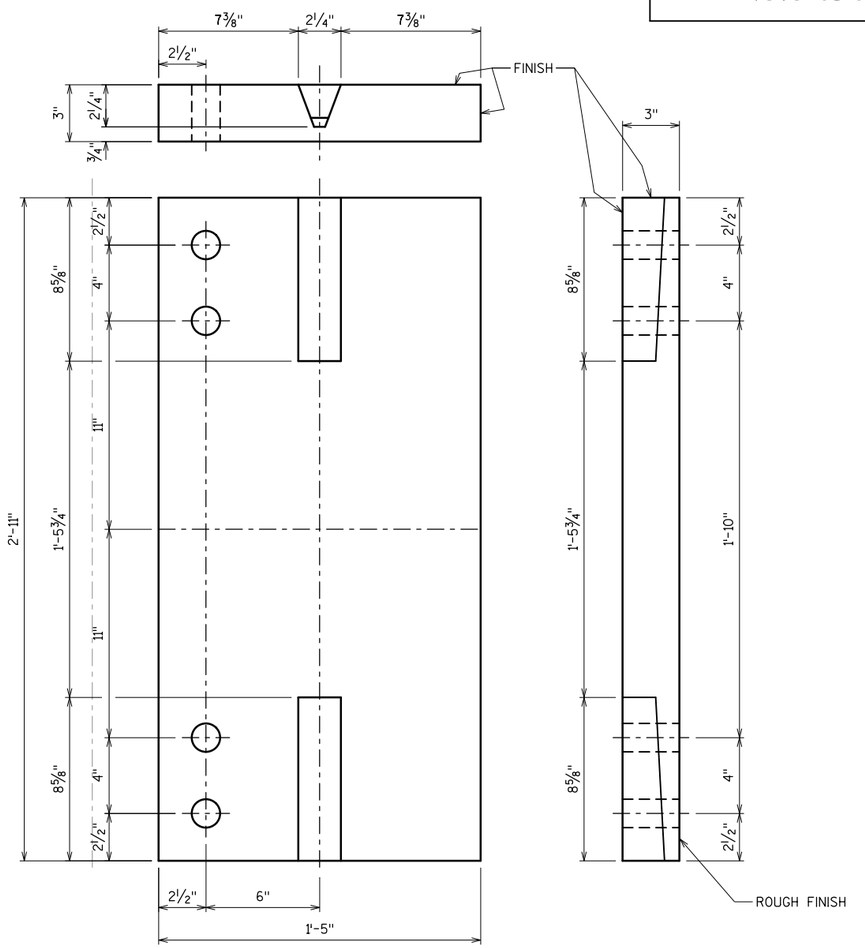
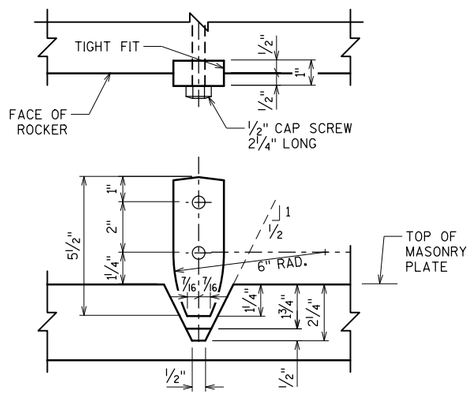


PIER 7, 8 & 9 - EXPANSION CASTINGS C10



PIER 7, 8 & 9 - EXPANSION MASONRY PL - MP8



PIER 7, 8 & 9 - EXPANSION - TOOTH BAR

NOTES

1. PIN TO BE REPLACED WITH BEARING ASSEMBLY. CONTRACTOR SHALL FIELD MEASURE EXISTING PIN PRIOR TO FABRICATION TO MATCH EXISTING DIMENSIONS.
2. FINISH THIS PORITON OF OUTSIDE FACES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

BEARING DETAILS

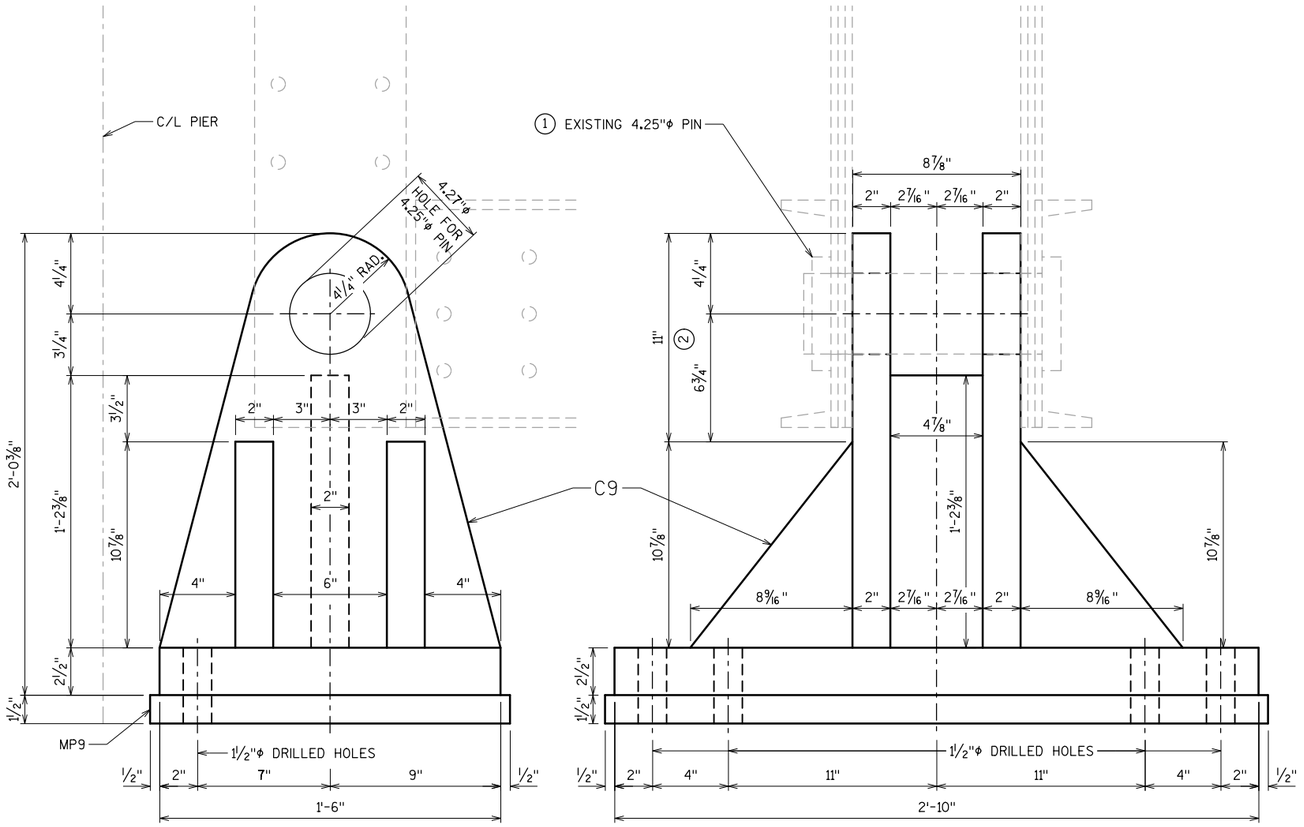
SHEET 9 OF 23

23

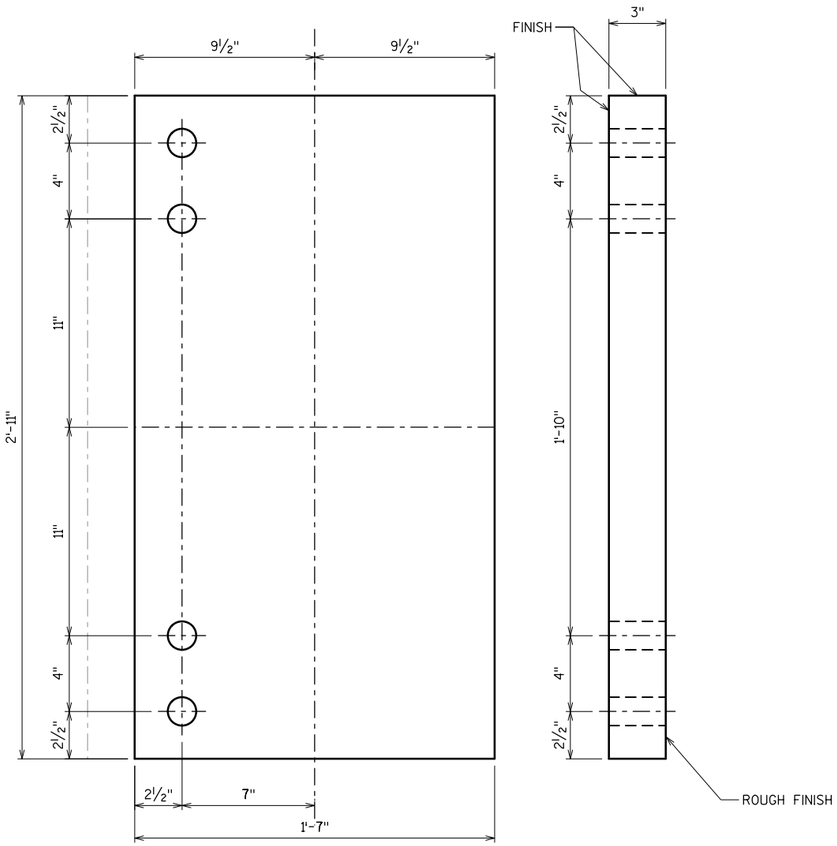
8

8

STATE PROJECT NUMBER
7575-01-65



PIER 8 & 9 - FIXED CASTINGS C9



PIER 8 & 9 - FIXED MASONRY PL - MP9

NOTES

1. PIN TO BE REPLACED WITH BEARING ASSEMBLY. CONTRACTOR SHALL FIELD MEASURE EXISTING PIN PRIOR TO FABRICATION TO MATCH EXISTING DIMENSIONS.
2. FINISH THIS PORITON OF OUTSIDE FACES ONLY.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

BEARING DETAILS

SHEET 10 OF 23

24

8

8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:45 PM

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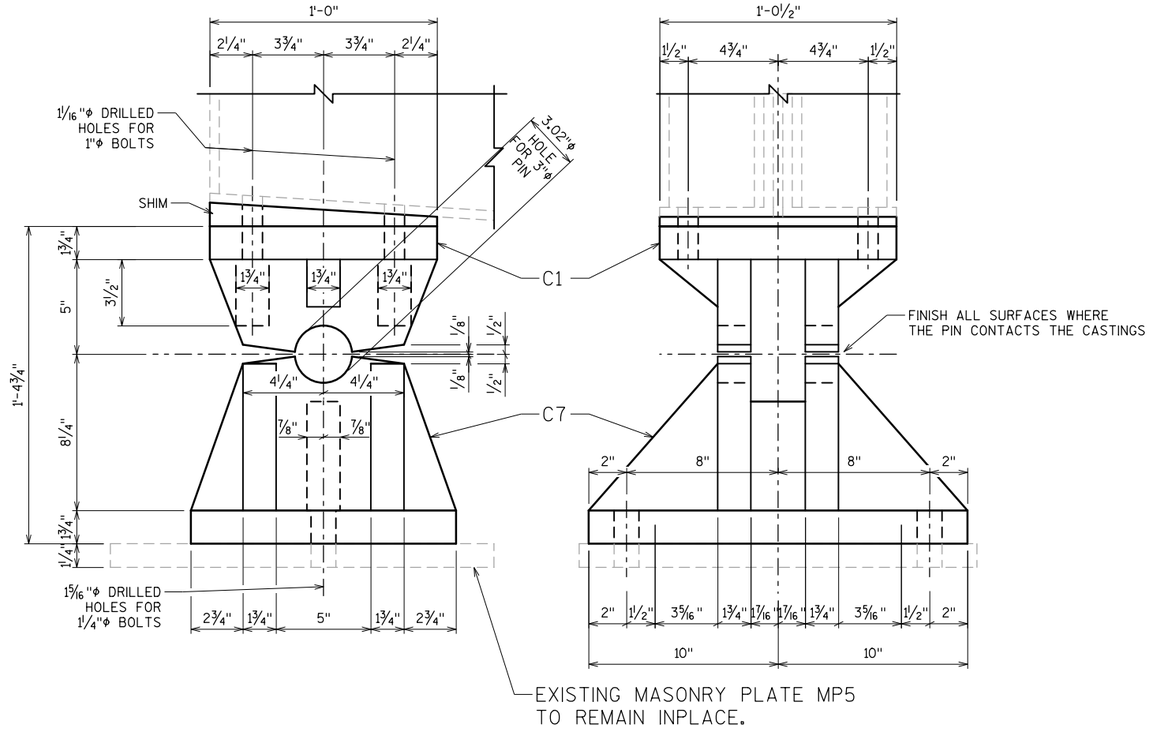
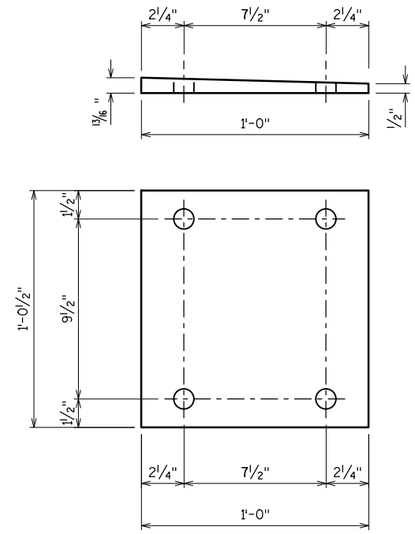


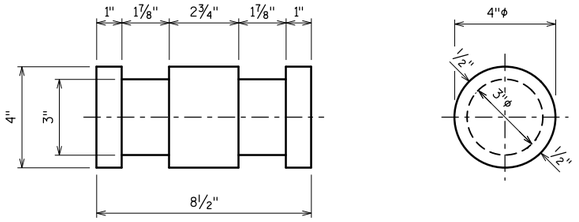
PIER 10 - CASTINGS C1 & C7



PIER 10 - SHIM

NOTES

1"φ BOLTS FOR CASTING C1 & 1¼"φ BOLTS FOR CASTING C7 VARY IN LENGTH, SEE SHEET E5 OF 1937 ERECTION DRAWINGS



PIER 10 - PIN - P1

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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BEARING DETAILS

SHEET 11 OF 23

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8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:46 PM

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STATE PROJECT NUMBER
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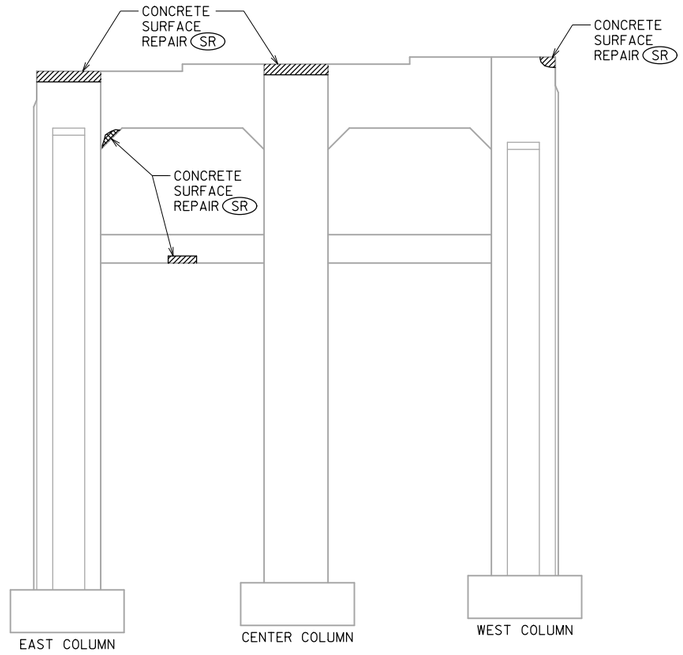
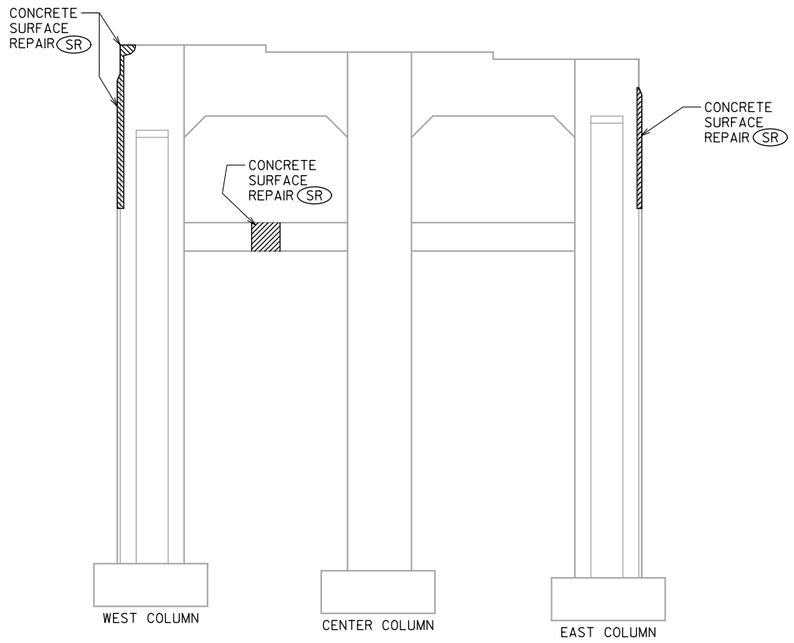


PIER 1 SURFACE REPAIR
LOOKING NORTH



PIER 1 SURFACE REPAIR
LOOKING SOUTH

NOTES

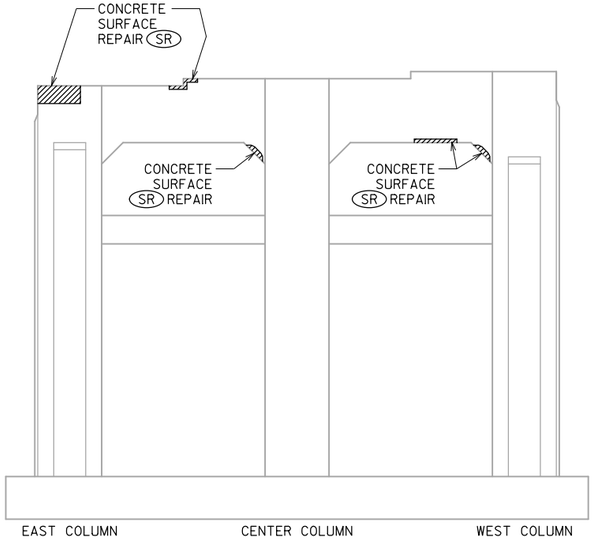
SEE GENERAL NOTES AND QUANTITY NOTES ON SHEET 2.

EXPOSED EXISTING REINFORCING STEEL TO BE COMPLETELY CLEANED OF CORRODED MATERIAL.

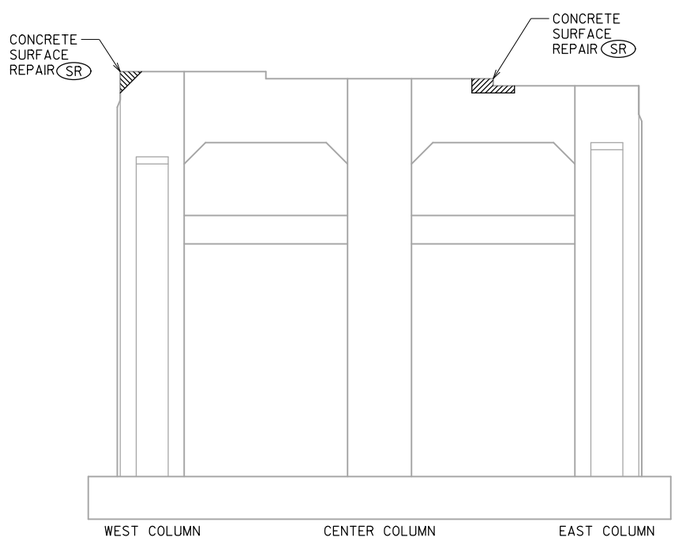
REMOVE ALL LOOSE CONCRETE PRIOR TO PLACING CONCRETE MASONRY.

CONCRETE SURFACE REPAIR ON PIERS AS DIRECTED BY THE FIELD ENGINEER BASED ON WISDOT FIELD SKETCHED AND REPORTS.

(SR) QUANTITY AND LOCATION AS VERIFIED AND LAID OUT IN THE FIELD BY THE FIELD ENGINEER. SEE SPECS FOR REQUIREMENTS.



PIER 2 SURFACE REPAIR
LOOKING NORTH



PIER 2 SURFACE REPAIR
LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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SUBSTRUCTURE REPAIR DETAILS

SHEET 12 OF 23

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8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:47 PM

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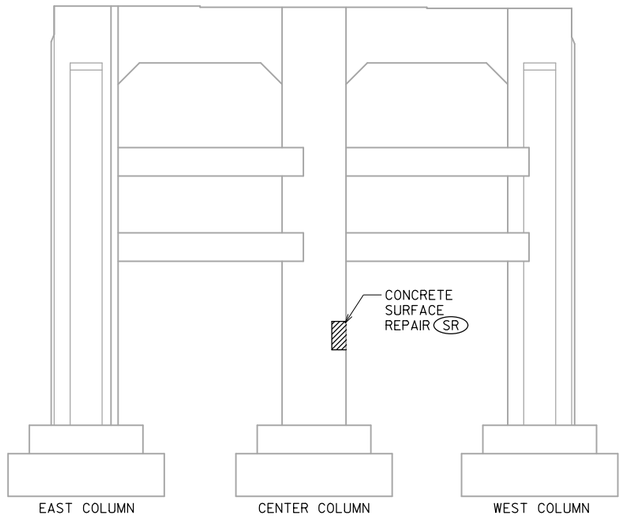
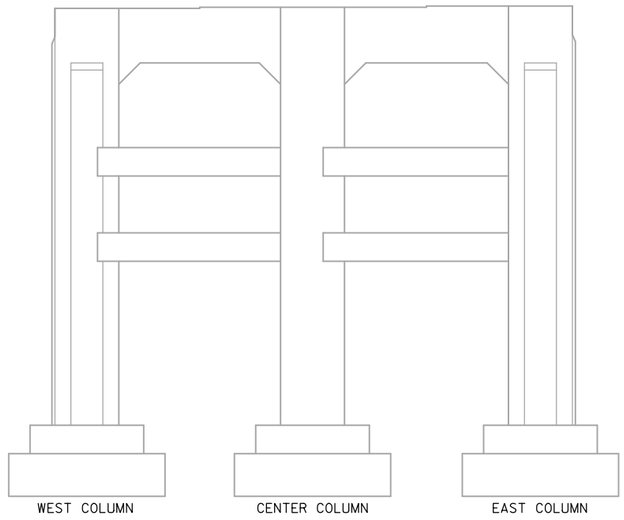


PIER 3 SURFACE REPAIR
LOOKING NORTH



PIER 3 SURFACE REPAIR
LOOKING SOUTH

NOTES

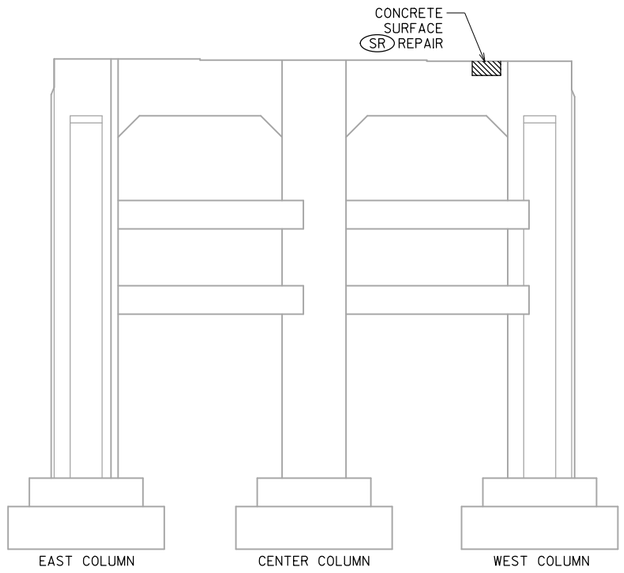
SEE GENERAL NOTES AND QUANTITY NOTES ON SHEET 2.

EXPOSED EXISTING REINFORCING STEEL TO BE COMPLETELY CLEANED OF CORRODED MATERIAL.

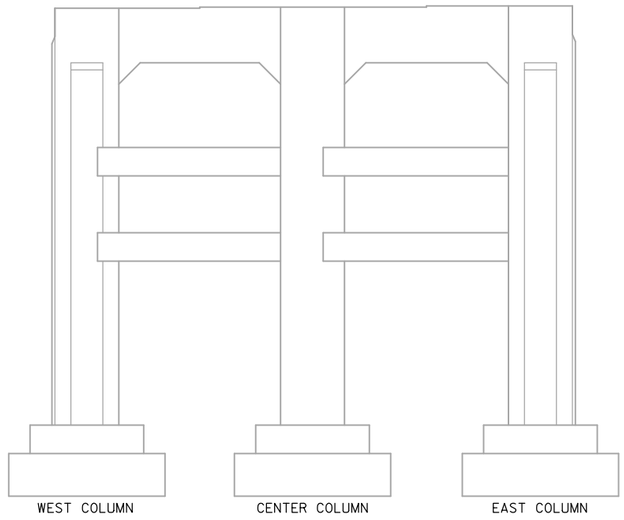
REMOVE ALL LOOSE CONCRETE PRIOR TO PLACING CONCRETE MASONRY.

CONCRETE SURFACE REPAIR ON PIERS AS DIRECTED BY THE FIELD ENGINEER BASED ON WISDOT FIELD SKETCHED AND REPORTS.

(SR) QUANTITY AND LOCATION AS VERIFIED AND LAID OUT IN THE FIELD BY THE FIELD ENGINEER. SEE SPECS FOR REQUIREMENTS.



PIER 4 SURFACE REPAIR
LOOKING NORTH



PIER 4 SURFACE REPAIR
LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

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SUBSTRUCTURE REPAIR DETAILS

SHEET 13 OF 23

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8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:47 PM

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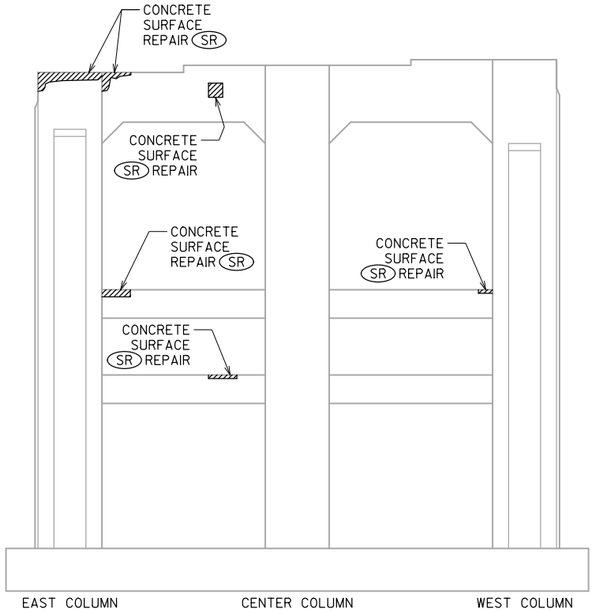
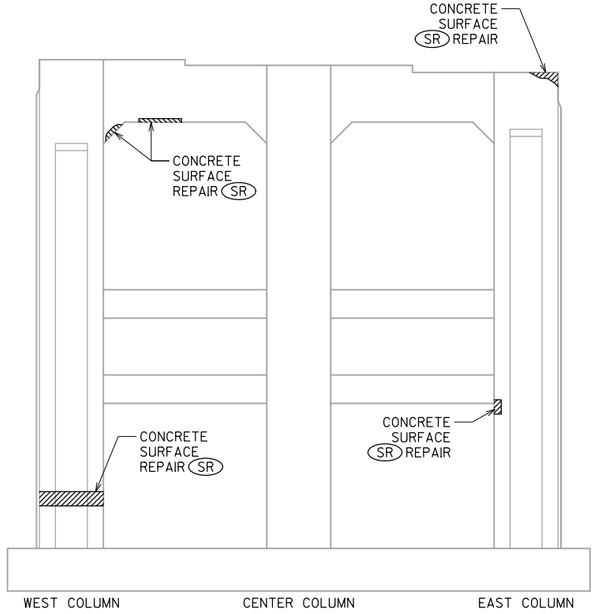


PIER 5 SURFACE REPAIR
LOOKING NORTH



PIER 5 SURFACE REPAIR
LOOKING SOUTH

NOTES

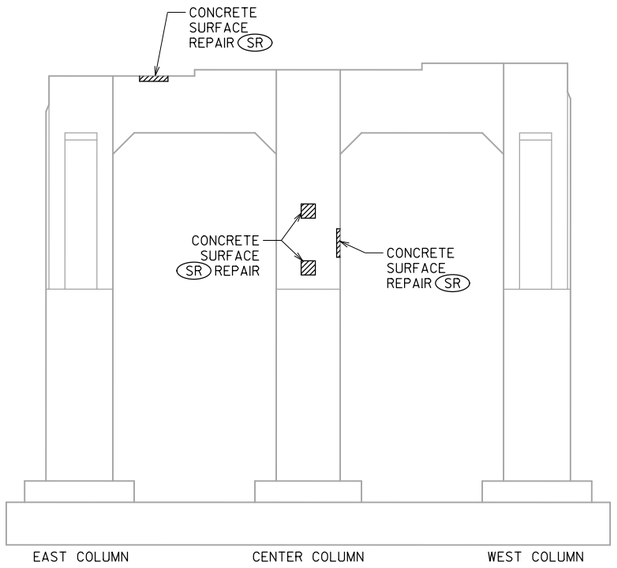
SEE GENERAL NOTES AND QUANTITY NOTES ON SHEET 2.

EXPOSED EXISTING REINFORCING STEEL TO BE COMPLETELY CLEANED OF CORRODED MATERIAL.

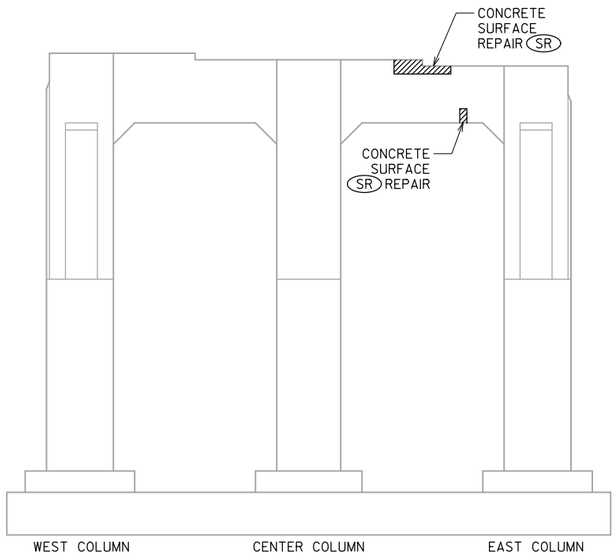
REMOVE ALL LOOSE CONCRETE PRIOR TO PLACING CONCRETE MASONRY.

CONCRETE SURFACE REPAIR ON PIERS AS DIRECTED BY THE FIELD ENGINEER BASED ON WISDOT FIELD SKETCHED AND REPORTS.

(SR) QUANTITY AND LOCATION AS VERIFIED AND LAID OUT IN THE FIELD BY THE FIELD ENGINEER. SEE SPECS FOR REQUIREMENTS.



PIER 6 SURFACE REPAIR
LOOKING NORTH



PIER 6 SURFACE REPAIR
LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

SUBSTRUCTURE REPAIR DETAILS

SHEET 14 OF 23
28

8

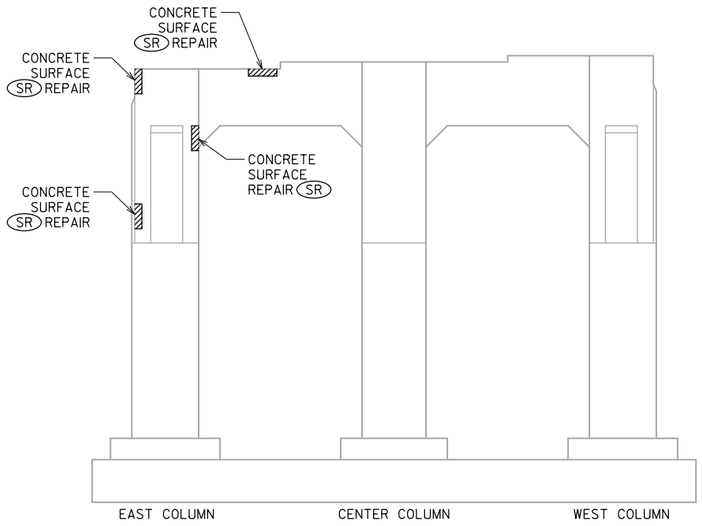
8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:48 PM

FILE NAME : X:\UZ\W\WITSW\171883\5-final-dsgn\5li-drawings\20-Struct\B-32-115\Sheet\b32115sr.dgn

STATE PROJECT NUMBER

7575-01-65



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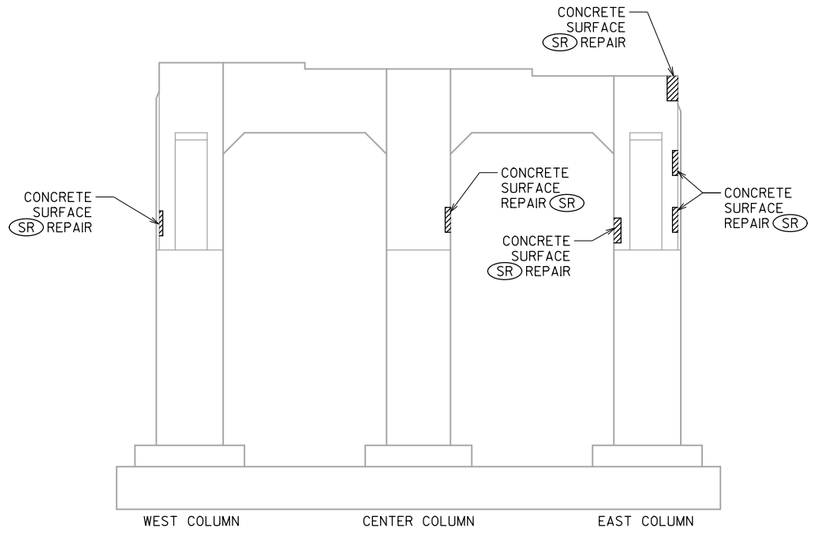
LOOKING NORTH



PIER 7 SURFACE REPAIR
LOOKING SOUTH

NOTES

SEE GENERAL NOTES AND QUANTITY NOTES ON SHEET 2.

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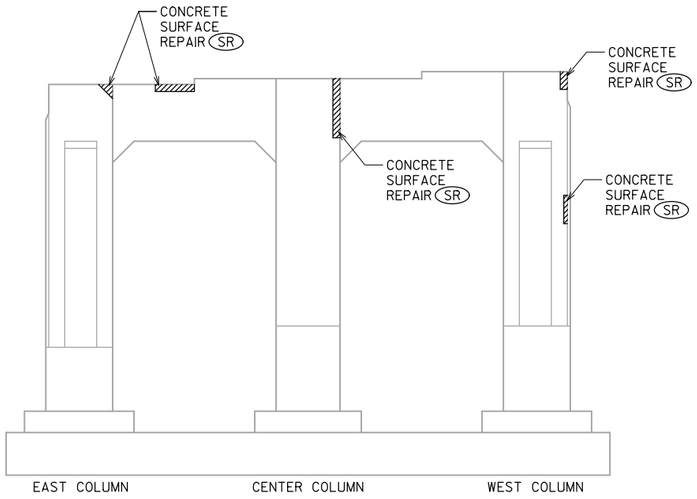

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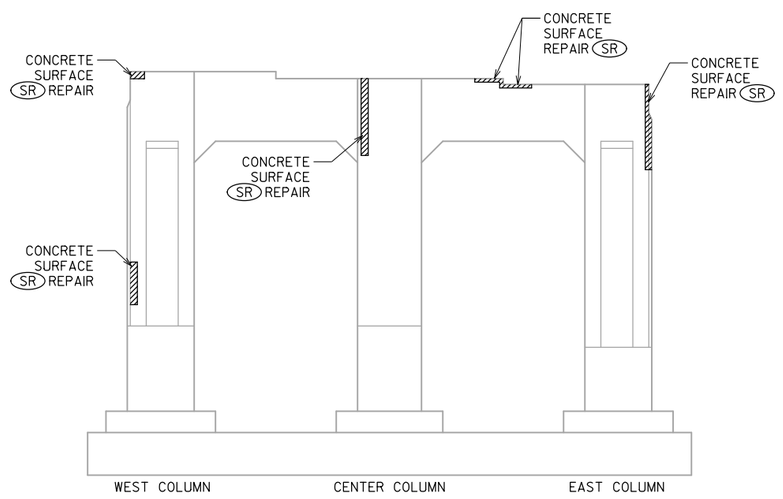
LOOKING NORTH



PIER 8 SURFACE REPAIR
LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

SUBSTRUCTURE REPAIR DETAILS

SHEET 15 OF 23

29

8

8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:48 PM

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STATE PROJECT NUMBER
7575-01-65

NOTES

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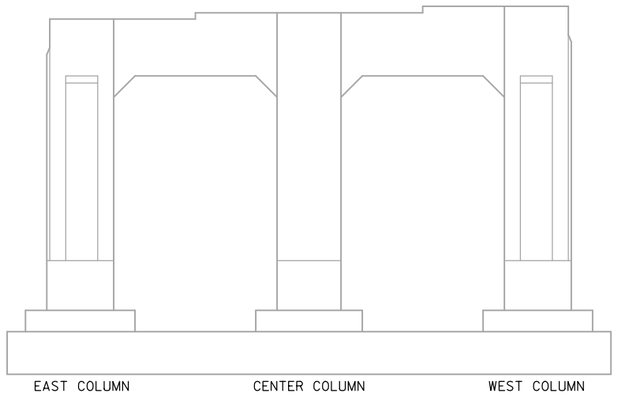

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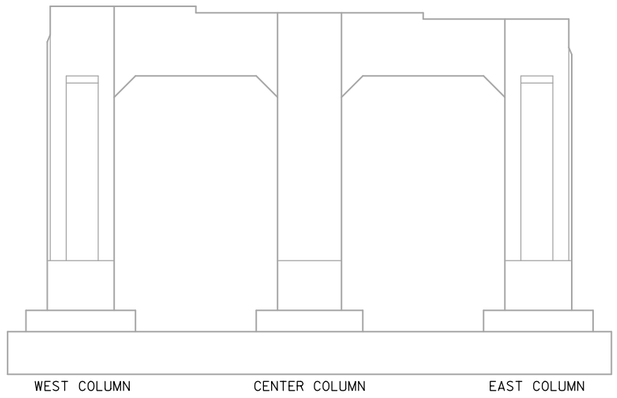
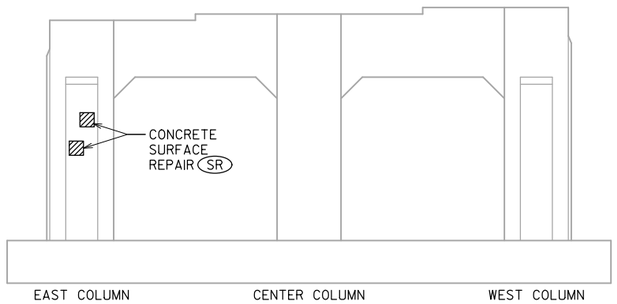
LOOKING NORTH



PIER 9 SURFACE REPAIR
LOOKING SOUTH



PIER 10 SURFACE REPAIR
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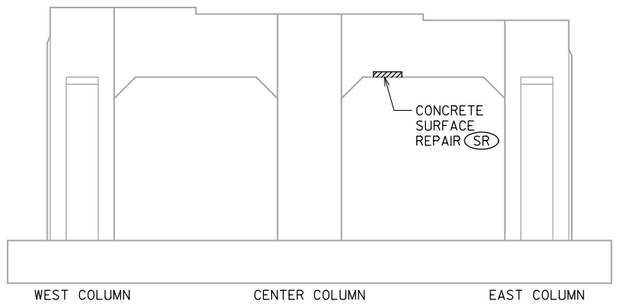

PIER 10 SURFACE REPAIR
LOOKING SOUTH

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

SUBSTRUCTURE REPAIR DETAILS

SHEET 16 OF 23

30

8

8

PLOT DATE: 8/1/2024 PLOT TIME: 12:34:49 PM

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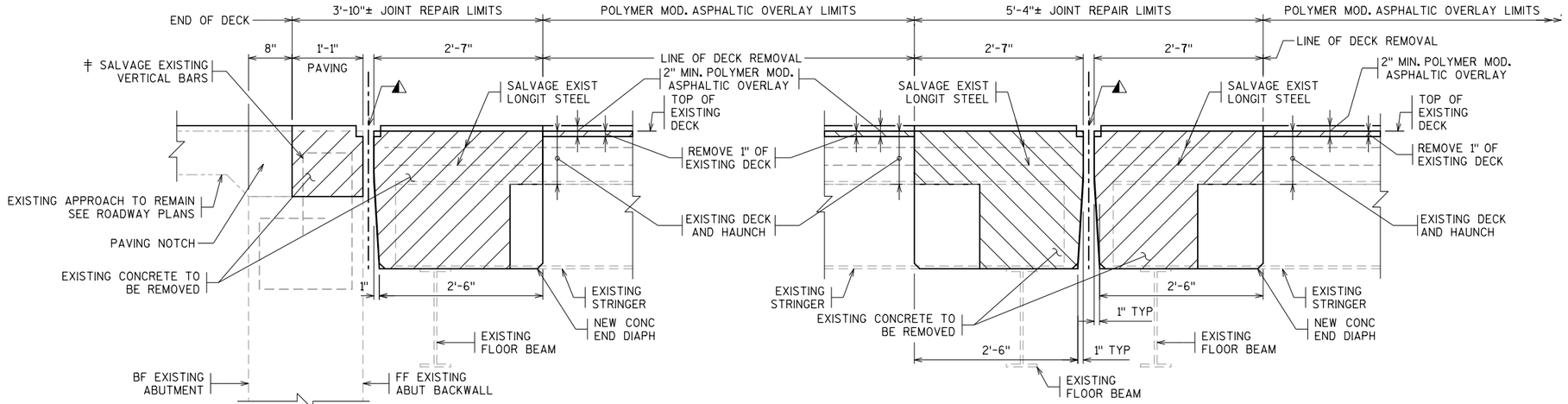
STATE PROJECT NUMBER

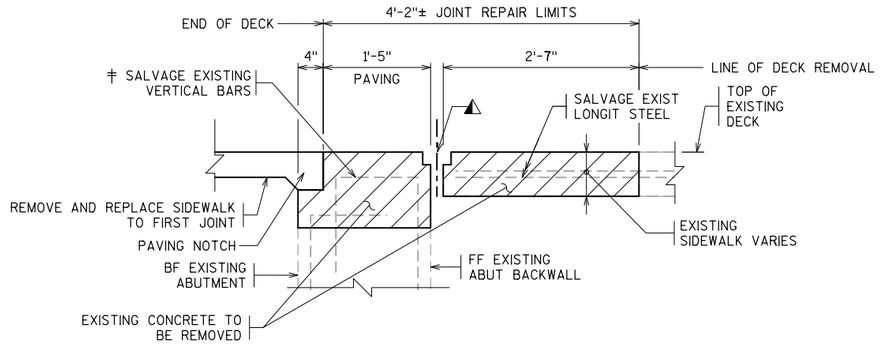
7575-01-65



SOUTH ABUTMENT AT ROADWAY - JOINT REMOVAL

NORTH ABUTMENT SIMILAR

CONCRETE DIAPHRAGM AT PIERS - JOINT REMOVAL



SOUTH ABUTMENT SIDEWALK PAVING BLOCK REMOVAL

NORTH ABUTMENT SIMILAR

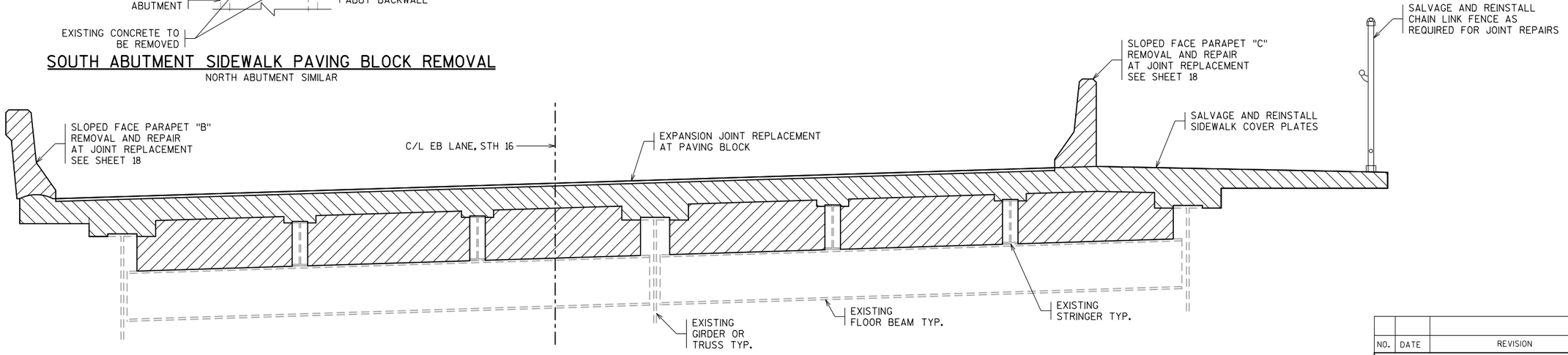
LEGEND

‡ EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. SALVAGE AND INCORPORATE AS MUCH REBAR AS PRACTICAL. SUPPLEMENT WITH THE BARS INDICATED BY ☆ SEE SHEET 18

STRIP SEAL EXPANSION DEVICE TYP AT EACH END OF BRIDGE AND JOINTS AT PIERS

INDICATES REMOVAL

FF = FRONT FACE
BF = BACK FACE



CROSS SECTION THRU ROADWAY

(LOOKING NORTH)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

JOINT REMOVALS

SHEET 17 OF 23

31

PLOT DATE: 8/1/2024
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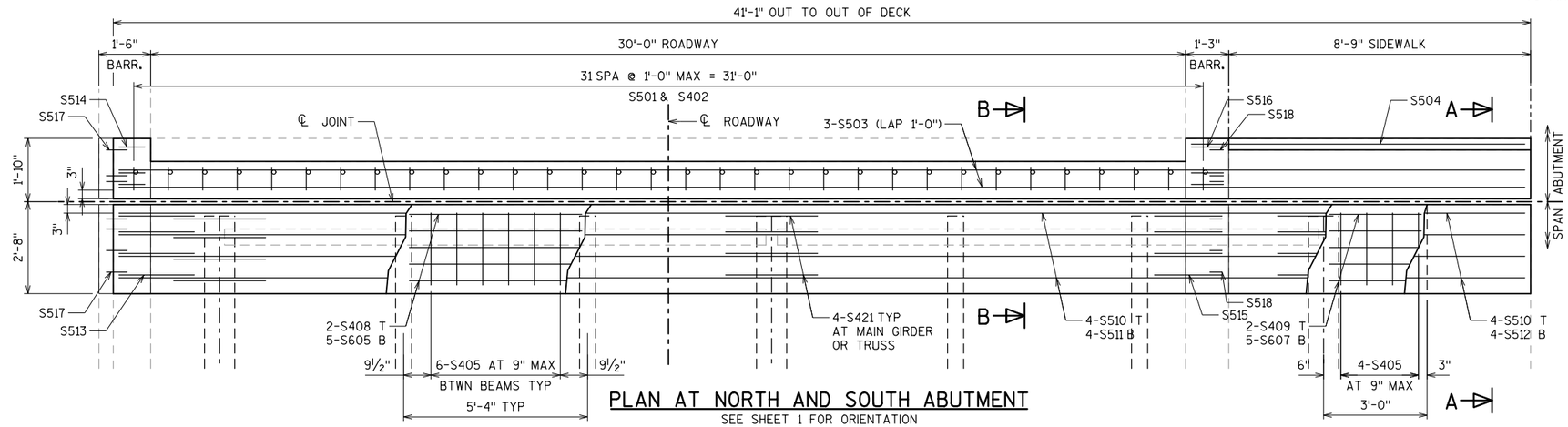
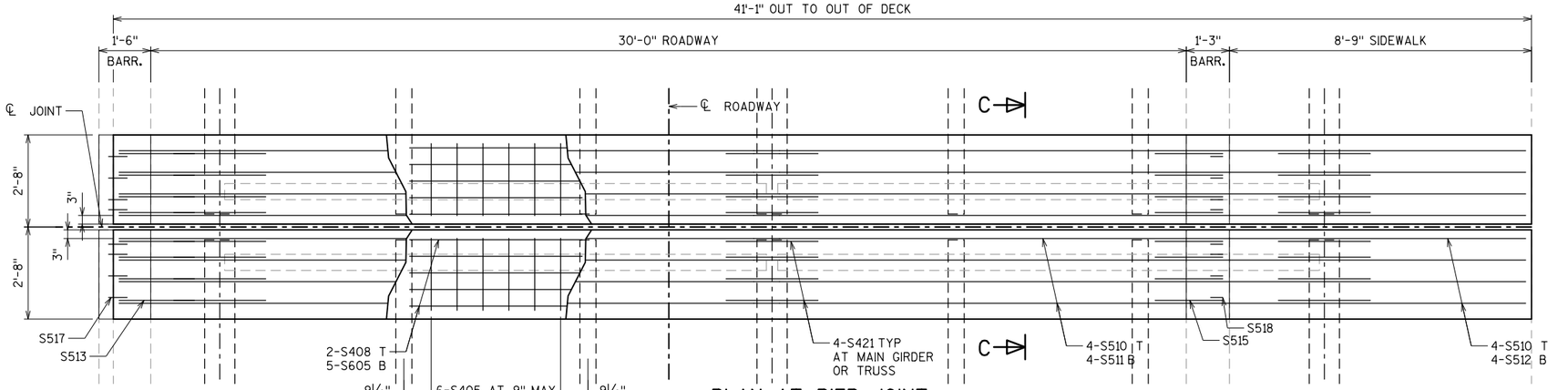
STATE PROJECT NUMBER

7575-01-65



PLAN AT NORTH AND SOUTH ABUTMENT

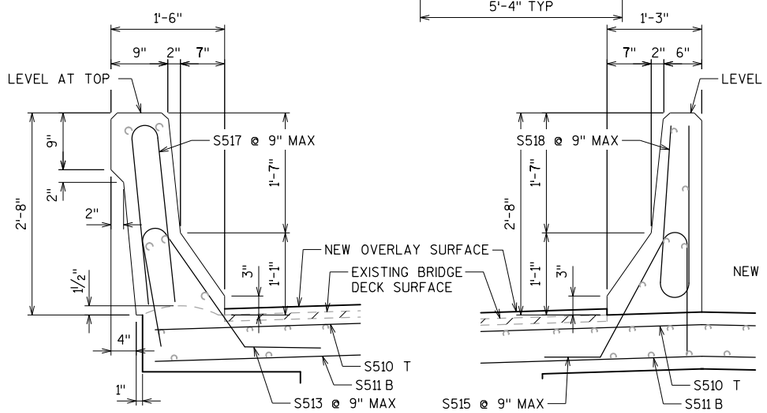
SEE SHEET 1 FOR ORIENTATION



PLAN AT PIER JOINT

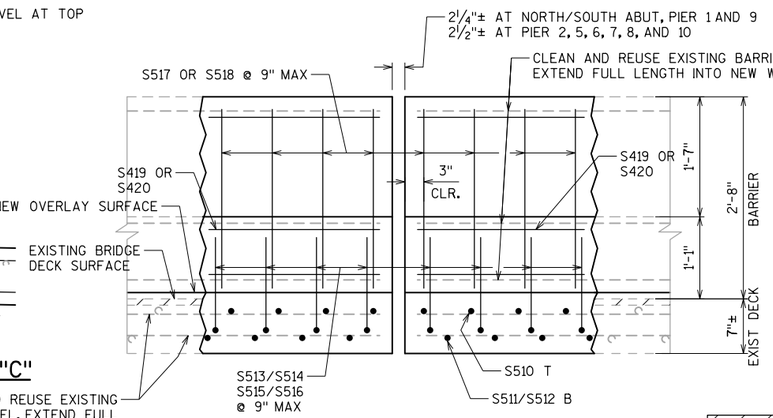
PIER 1, 2, 5, 6, 7, 8, 9, 10

SEE SHEET 1 FOR ORIENTATION

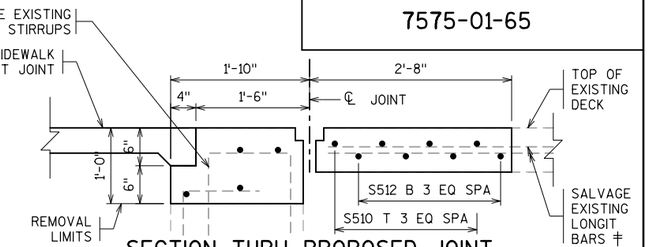


SECTION THRU PARAPET "B"

SECTION THRU PARAPET "C"

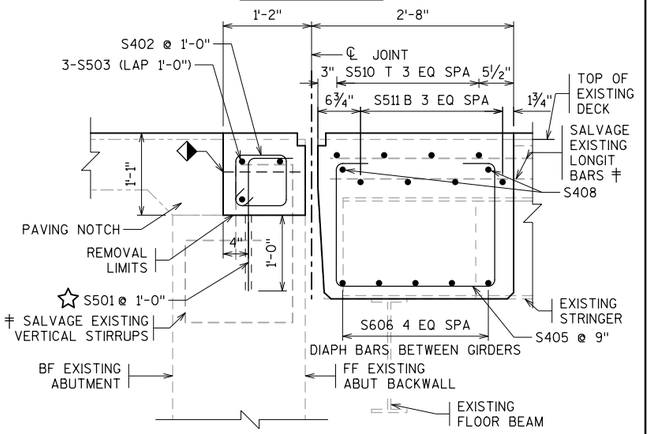


TYPICAL PARAPET ELEVATION



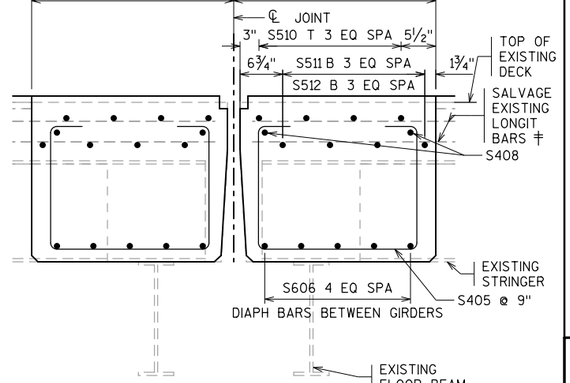
SECTION THRU PROPOSED JOINT

SECTION A-A



TYPICAL SECTION THRU PROPOSED JOINT

SECTION B-B



TYPICAL SECTION THRU PROPOSED JOINT

SECTION C-C

NORMAL TO ℄ SUBSTRUCTURE

LEGEND

‡ EXISTING BARS ARE LIKELY TO BE CORRODED AND/OR DAMAGED DURING CONCRETE REMOVAL. SALVAGE AND INCORPORATE AS MUCH REBAR AS PRACTICAL. SUPPLEMENT WITH THE BARS INDICATED BY ☆

☆ ADHESIVE ANCHORS NO. 5 BAR. EMBED 1'-0" IN CONCRETE. SPACE AT 1'-0". TURN 10" LEG AS NECESSARY TO FIT.

◆ OPT CONST JT 1" MIN. BELOW EXISTING REINF

◭ STRIP SEAL EXPANSION DEVICE TYP AT EACH END OF BRIDGE AND HINGE JOINTS

▨ INDICATES REMOVAL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

JOINT REPAIR DETAILS

SHEET 18 OF 23

32

PLOT TIME: 12:34:51PM

PLOT DATE: 8/1/2024

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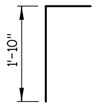
STATE PROJECT NUMBER

7575-01-65



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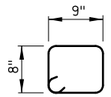

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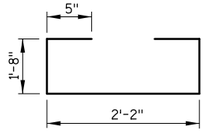

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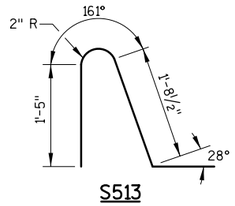

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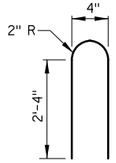

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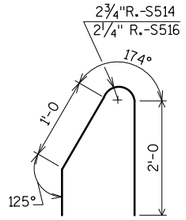
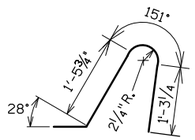


S514, S516



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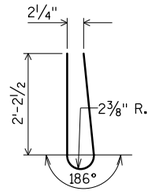

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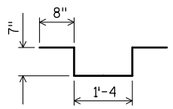

S421

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE ENGLISH BAR DIAMETER SIZE.

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT.

BILL OF BARS — JOINT REPAIR

BAR MARK	COAT	NO. REQ'D.	LENGTH (FT-IN)	BAR SERIES	BENT	LOCATION
▲ S501	X	64	2 - 7		X	PAVING BLOCK DOWEL
S402	X	64	3 - 6		X	PAVING BLOCK STIRRUP
S503	X	36	8 - 0			PAVING BLOCK HORIZ
S504	X	2	9 - 8			PAVING BLOCK AT SIDEWALK
S405	X	656	6 - 0		X	ABUTMENT & PIER DIAPH TIE
S606	X	540	5 - 0			DIAPH AT ABUT & PIER
S607	X	10	2 - 8			DIAPH AT ABUT SUPER
S408	X	216	5 - 0			DIAPH AT ABUT & PIER
S409	X	4	2 - 8			DIAPH AT ABUT SUPER
S510	X	72	40 - 9			SLAB TOP TRANSVERSE
S511	X	72	35 - 9			SLAB BOT TRANSVERSE
S512	X	72	6 - 3			SIDEWALK BOT TRANSVERSE
S513	X	72	4 - 3		X	PARAPET "B" VERT
S514	X	6	5 - 1		X	PARAPET "B" VERT AT ABUT
S515	X	72	4 - 0		X	PARAPET "C" VERT
S516	X	6	4 - 10		X	PARAPET "C" VERT AT ABUT
S517	X	78	4 - 10		X	PARAPET "B" VERT
S518	X	78	5 - 0		X	PARAPET "C" VERT
S419	X	180	2 - 2			RAILING HORZ
S420	X	20	1 - 5			RAILING HORZ
S421	X	216	3 - 6		X	SLAB HAUNCH AT MAIN GIRDERS
			-			
			-			

NOTES

SEE GENERAL NOTES ON SHEET 2.

LEGEND

▲ ADHESIVE ANCHORS NO. 5 BAR, 12" MIN EMBEDMENT INTO SOUND CONC. SPACE AT 1'-0', TURN 10" LEG AS NECESSARY TO FIT. WEIGHT OF ANCHOR INCLUDED IN TOTAL WEIGHT FOR JOINT REPAIR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

JOINT REPAIR DETAILS

SHEET 19 OF 23

33

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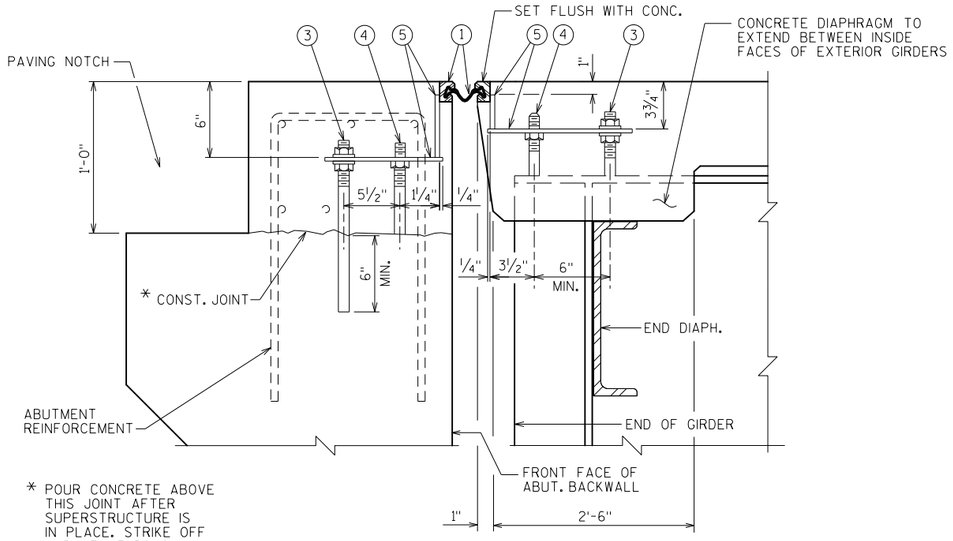
8

PLOT TIME: 12:34:59 PM

PLOT DATE: 8/1/2024

FILE NAME : X:\UZ\W\WITSW\71883\5-final-dsgn\5li-drawings\20-Struct\B-32-115\Sheet\b32115jnt.dgn

STATE PROJECT NUMBER
7575-01-65



* POUR CONCRETE ABOVE THIS JOINT AFTER SUPERSTRUCTURE IS IN PLACE. STRIKE OFF AND LEAVE ROUGH.

SECTION THRU JOINT AT ABUTMENT

NORMAL TO ℄ SUBSTRUCTURE

LEGEND

(1) NEOPRENE STRIP SEAL (4 - INCH) AND STEEL EXTRUSIONS.

(2) STUDS 5/8" DIA. X 6 3/8" LONG AT 6" ALTERNATE CENTERS. WELD TO EXTRUSIONS AND BEND AS SHOWN AFTER WELDING.

(2A) 1/2" THICK ANCHOR PLATE WITH 5/8" DIA. ROD (OR ALTERNATE STRIP SEAL ANCHOR). WELD ROD TO ANCHOR PLATE, WELD ANCHOR PLATE TO NO. 1 AT 1'-6" CENTERS BETWEEN GIRDERS.

(3) 3/4" ϕ THREADED ROD WITH 2 NUTS AND PLATE WASHERS. WELD THREADED ROD TO TOP FLANGE OR ATTACH BY BOLTING THRU FLANGE. ON ABUTMENT SIDE GROUT THREADED ROD INTO FIELD DRILLED HOLES IN ABUTMENT BACKWALL AS SHOWN.

(4) 3/4" DIA. THREADED ROD WITH NUT. TACK WELD NUT TO NO. 5.

(5) FABRICATE SUPPORT FROM 3" X 1/2" BAR AS SHOWN OR EQUIVALENT, ONE PER GIRDER PER SIDE. SHOP OR FIELD WELD TO NO. 1. IF FIELD WELDED, COVER WELDED AREAS WITH EPOXY-COATING MATERIAL. PROVIDE 1 1/2" DIA. HOLE FOR NO. 3 AND 1" DIA. HOLE FOR NO. 4.

(6) GALVANIZED PLATE 3/8" X 10" X 2'-2" LONG WITH HOLES FOR NO. 7.

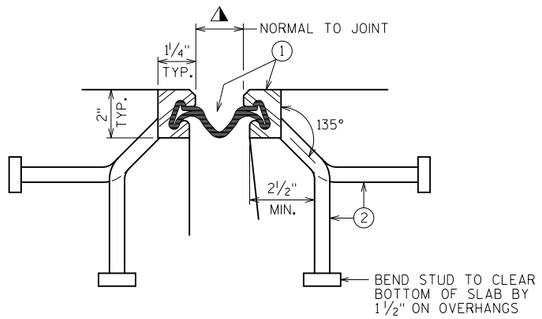
(7) 3/4" DIA. X 1 1/2" STAINLESS STEEL SOCKET FLAT HEAD SCREWS WITH ANTI-SEIZE LUBRICANT. PLACE IN COUNTERSUNK HOLE. RECESS 1/16" BELOW PLATE SURFACE.

(8) 3/4" DIA. X 4" GALVANIZED HEX HEAD BOLT. BEND 45°.

(9) 3/4" DIA. X 2 1/4" GALVANIZED THREADED COUPLING.

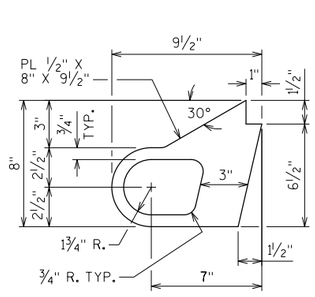
(11) 1" X 5" SLOTTED COUNTERSUNK HOLE FOR NO. 7. PLACE SLOT PARALLEL TO DIRECTION OF MOVEMENT.

△ 2 1/4"± AT NORTH/SOUTH ABUT, PIER 1 AND 9
2 1/2"± AT PIER 2, 5, 6, 7, 8, AND 10

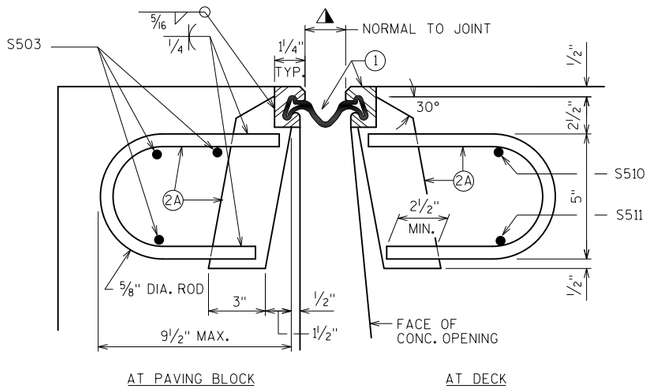


SECTION THRU JOINT

EXTERIOR GIRDER TO EDGE OF DECK AND AT PARAPETS, MEDIANS AND SIDEWALKS

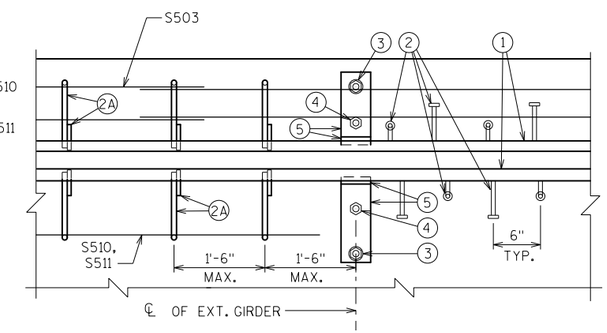


ALTERNATE STRIP SEAL ANCHOR



SECTION THRU JOINT

ROADWAY TRAFFIC AREA BETWEEN EXTERIOR GIRDERS.



PART PLAN

NOTES

ONE FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS, UNLESS MORE ARE REQUIRED FOR STAGED CONSTRUCTION, HANDLING OR GALVANIZING REQUIREMENTS. IF USED, ANCHOR PLATES SHALL BE PROVIDED 3" FROM EACH SIDE OF THE FIELD SPLICE. DETAILS SHALL BE SUBMITTED FOR APPROVAL. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.

AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST AND SWEEP.

FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN AND SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.

SANDBLAST PLATES, SUPPORTS AND EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES, SUPPORTS AND EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.

ANCHOR SYSTEM NO. 8 AND NO. 9 SHALL CONFORM TO ASTM A307 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C AND D.

ALL MATERIAL IN THE EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE SHALL BE PAID AT THE UNIT PRICE BID FOR "EXPANSION DEVICE B-32-115", LF.

A SMALL JOINT OPENING DUE TO A HIGH TEMPERATURE AT TIME OF CONSTRUCTION MAY REQUIRE NEOPRENE STRIP SEAL INSTALLATION INTO STEEL EXTRUSIONS PRIOR TO SETTING THE EXPANSION JOINT.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

EXPANSION DEVICE

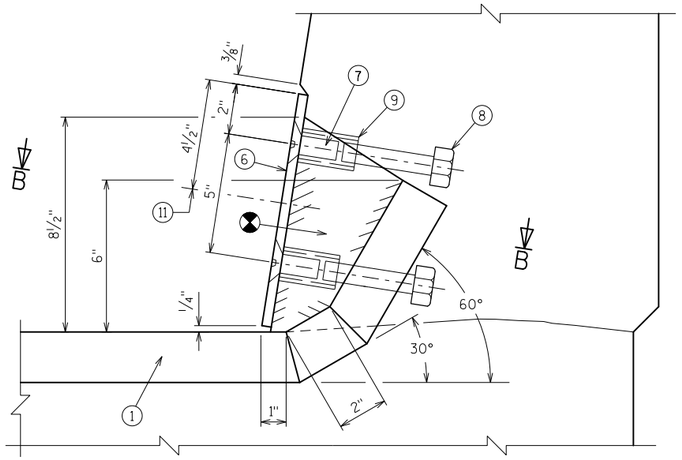
8

8

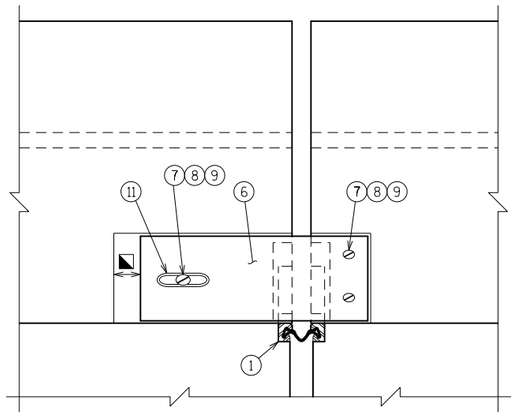
PLOT TIME: 12:34:59 PM
PLOT DATE: 8/1/2024
FILE NAME : X:\UZ\WV\WITSW\171883\5-final-dsgn\5i-drawings\20-Struct\B-32-115\Sheet\b32115exp.dgn

STATE PROJECT NUMBER

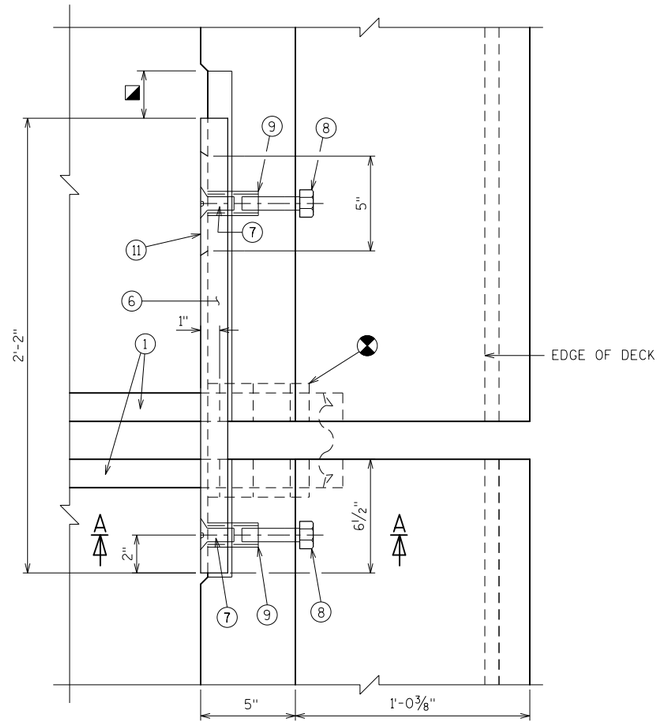
7575-01-65



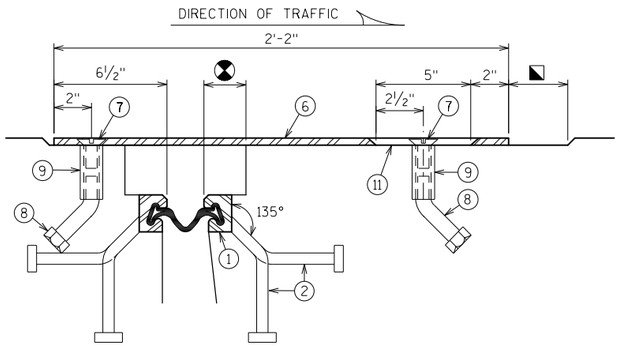
SECTION A-A



VIEW OF PARAPET PLATE
FROM ROADWAY



PLAN



SECTION B-B

⊗ BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.

◥ JOINT OPENING DIMENSION ALONG SKEW PLUS ½".

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

COVER PLATE DETAILS

SHEET 21 OF 23

35

8

8

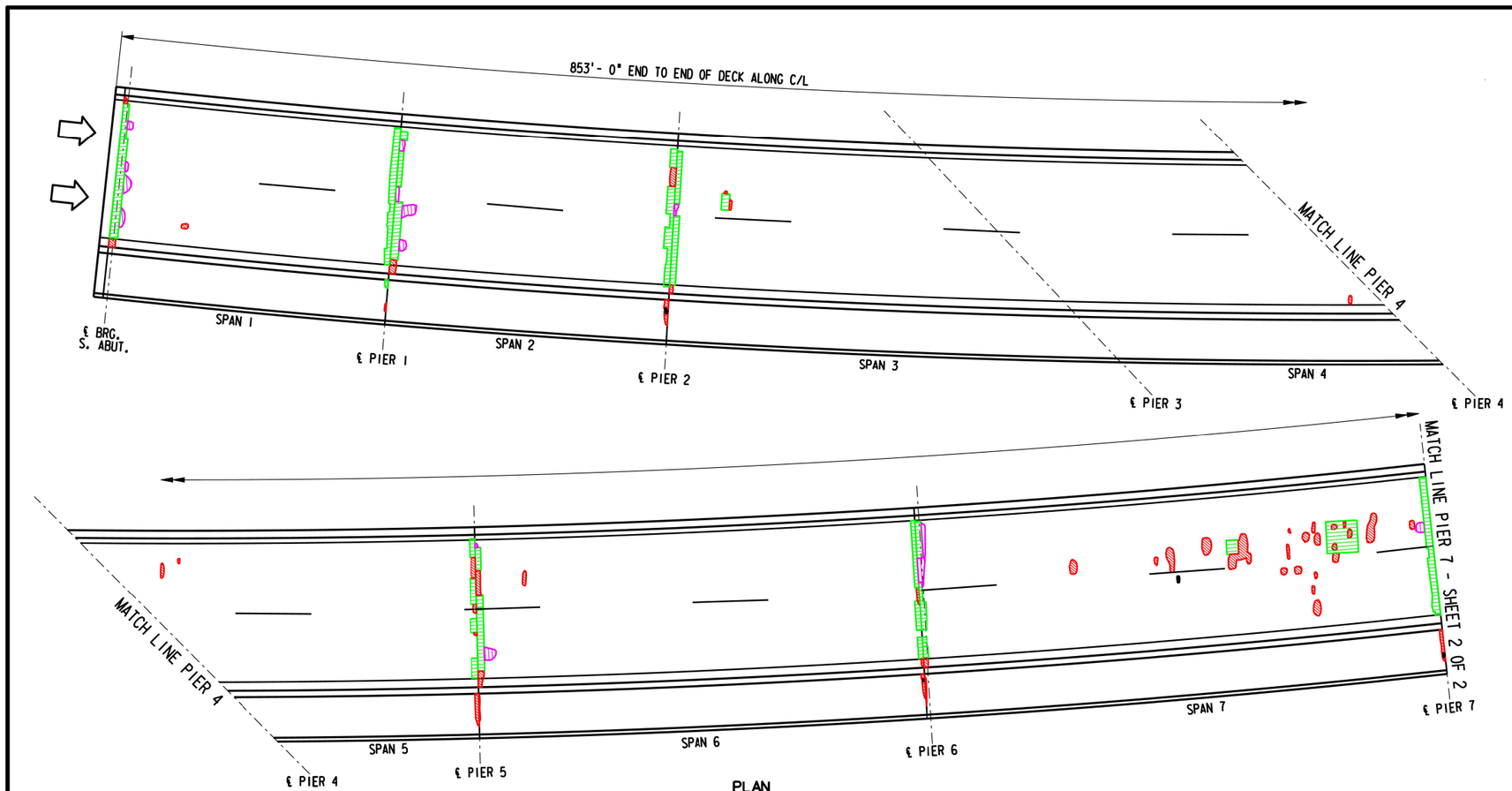
PLOT DATE: 8/1/2024

PLOT TIME: 12:35:00 PM

FILE NAME : X:\UZ\W\WITSW\171883\5-final-dsgn\5i-drawings\20-Struct\B-32-115\Sheet\b32115cp.dgn

STATE PROJECT NUMBER

7575-01-65



PLAN

INFRARED THERMOGRAPHIC SURVEY RESULTS

STRUCTURE NO. B-32-115

FIELD OBSERVATIONS SUMMARY		ROADWAY		SIDEWALK	
ITEM	UNIT	QUANT.	%	QUANT.	%
TOTAL AREA	ft^2	25590		6824	
SHADE/DEBRIS	ft^2	0		0	
DELAMINATION	ft^2	118	0	40	0
SPALL	ft^2	1	0	2	0
DEBONDED/MISSING TPO	ft^2	85	0	N/A	N/A
ASPHALT PATCH	ft^2	0	0	0	0
PCC PATCH	ft^2	571	0	1	0

LEGEND: DELAMINATION; SPALL; DEBONDED/MISSING TPO; ASPHALT PATCH; PCC PATCH; SHADE/DEBRIS

SCALE 0' 5' 10' 20'

SURFACE TYPE: THIN POLYMER OVERLAY
INFRARED INSPECTION DATE: 6/14/23, 1:00 PM

DATA COL. TT/TG
ANALYSIS DS
CADD TG
CHECKED BS

NO. | REVISIONS | DRN. | CHK. | DATE

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AECOM

INFRARED THERMOGRAPHIC INVESTIGATION OF STH 16 EB OVER CP RR STRUCTURE NO. B-32-115

PREPARED FOR WISCONSIN DEPARTMENT OF TRANSPORTATION BUREAU OF STRUCTURES

DATE 2/26/24
PROJECT NO 60709894
FILENAME B-32-115-IR.DGN
SHEET NO 1 OF 2
DRAWING NO

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

INFRARED THERMOGRAPHIC SURVEY RESULTS

SHEET 22 OF 23
36

FOR REFERENCE

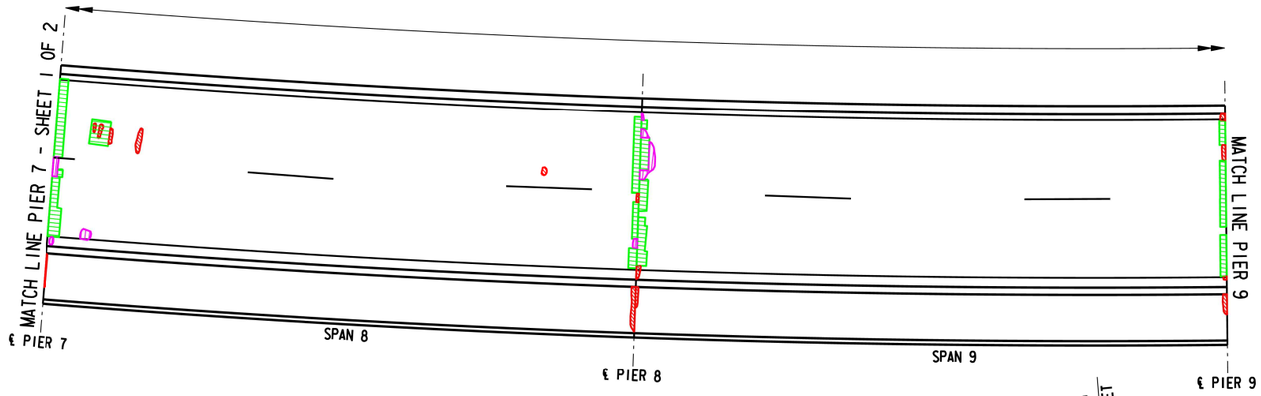
PLOT TIME: 12:35:01 PM
PLOT DATE: 8/1/2024
FILE NAME : X:\UZ\W\WITSW\171883\5-final-dsgn\5l-drawings\20-Struct\B-32-115\Sheet\b32115ir.dgn

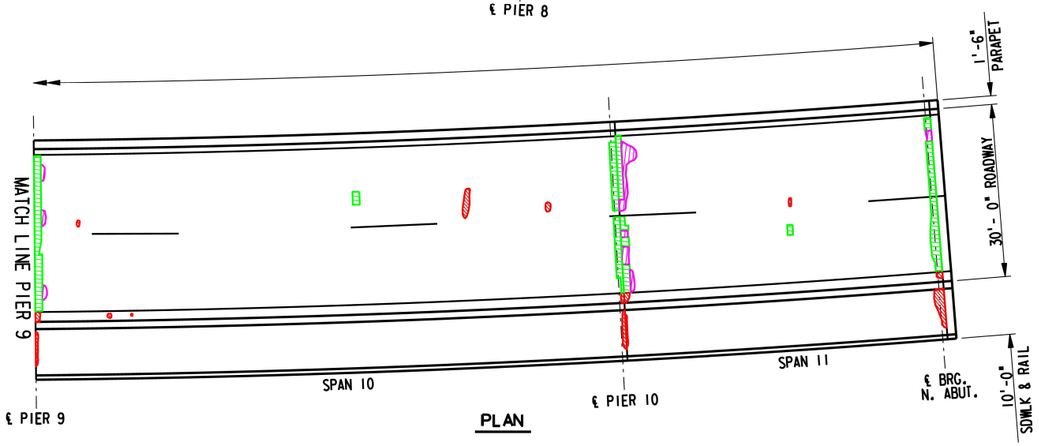
8

8

STATE PROJECT NUMBER

7575-01-65





PLAN

INFRARED THERMOGRAPHIC SURVEY RESULTS

NOTE: SEE SHEET 1 OF 2 FOR DEFECT QUANTITIES

STRUCTURE NO. B-32-115

LEGEND	
DELAMINATION	
SPALL	
DEBONDED/MISSING TPO	
ASPHALT PATCH	
PCC PATCH	
SHADE/DEBRIS	

N

SCALE 0' 5' 10' 20'

SURFACE TYPE: THIN POLYMER OVERLAY

INFRARED INSPECTION DATE: 6/14/23, 1:00 PM

NO	REVISIONS	DRN	CHK	DATE

DATA COL TT/TG
ANALYSIS DS
CADD TG
CHECKED BS

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AECOM

INFRARED THERMOGRAPHIC INVESTIGATION OF STH 16 EB OVER CP RR
STRUCTURE NO. B-32-115

PREPARED FOR WISCONSIN DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURES

DATE 2/26/24
PROJECT NO 60709894
FILENAME B-32-115-IR.DGN
SHEET NO 2 OF 2
DRAWING NO

FOR REFERENCE

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-32-115

DRAWN BY RAD | PLANS CK'D. NCK

INFRARED THERMOGRAPHIC SURVEY RESULTS

SHEET 23 OF 23
37

8

8

PLOT TIME: 12:35:09 PM
PLOT DATE: 8/1/2024
FILE NAME : X:\UZ\W\WITSW\171883\5-final-dsgn\5l-drawings\20-Struct\B-32-115\Sheet\b32l15ir.dgn

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

LAX

JANUARY 2025

PROJECT ID: 7575-01-76

WITH: 3700-10-64, 7575-01-65

COUNTY: LA CROSSE

ORDER OF SHEETS

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

TOTAL SHEETS = 322

06

N

DESIGN DESIGNATION 7575-01-06

A.A.D.T.	2026	=	42,500
A.A.D.T.	2046	=	42,500
D.H.V.	2046	=	2046
D.D.		=	55/45
T.		=	4.7%
DESIGN SPEED		=	45 MPH
ESALS		=	3,300,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LA CROSSE - SPARTA

LOSEY BLV TO STH 157

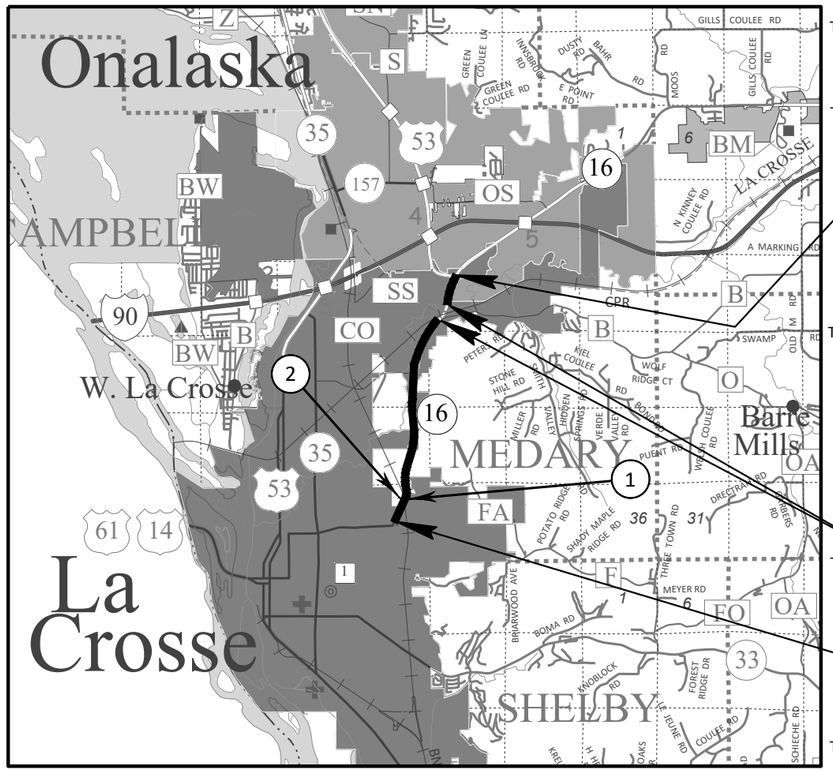
STH 16

LA CROSSE COUNTY

STATE PROJECT NUMBER
7575-01-76

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7575-01-76	WISC 2025155	1

1. B-32-0098 TO REMAIN, EXCEPTION TO CENTERLINE LENGTH 178+54 - 182+04 EB
2. B-32-0098 TO REMAIN, EXCEPTION TO CENTERLINE LENGTH 179+11 - 182+61 WB



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 3.111 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LA CROSSE COUNTY NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

ORIGINAL PLANS PREPARED BY

SEH Building a Better World for All of Us

Short Elliott Hendrickson Inc.
329 Jay Street, Suite, 301
La Crosse, WI 54601-4007
608.782.3161 main | 888.908.8166 fax
www.sehinc.com

WISCONSIN
TOREY R. LEONARD
E-42982-6
HOLMEN, WI
PROFESSIONAL ENGINEER

7/18/2024 (Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SW REGION
Designer	SEH
Project Manager	JOHN BAINTER
Regional Examiner	SW REGION
Regional Supervisor	JOHN BAINTER

APPROVED FOR THE DEPARTMENT

DATE: 7/18/2024 (Signature)

E

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 23.4ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.1 ACRES

DNR AREA LIAISON:

WI DEPT OF NATURAL RESOURCES
DNR SERVICE CENTER
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9115
ATTENTION: KAREN KALVELAGE
EMAIL: KAREN.KALVELAGE@WISCONSIN.GOV

WISDOT CONTACT:

WISCONSIN DEPT OF TRANSPORTATION
SOUTHWEST REGION
3550 MORMON COULEE RD
LA CROSSE, WI 54601
TELEPHONE: 608.785.9729
ATTENTION: JOHN BAINTER
EMAIL: JOHN.BAINTER@DOT.WI.GOV

DESIGN CONTACT:

SEH INC.
329 JAY ST, SUITE 301
LA CROSSE, WI 54601
TELEPHONE: 608.498.4019
ATTENTION: TOREY LEONARD
EMAIL: TLEONARD@SEHINC.COM

UTILITY CONTACT LIST:

DIEGO TOBIAS
BCE NEXXIA - COMMUNICATIONS LINE
1821 WALDEN OFFICE SQUARE, SUITE 400
SCHAUMBURG, IL 60173
(416)970-7893
PUCC.CIRCULATIONS.GT@BELL.CA

BRIAN STELPLUGH
BRIGHTSPEED OF WISCONSIN, LLC - COMMUNICATION LINE
1905 WARD AVENUE S
LA CROSSE, WI 54601
(980)376-1557
BRIAN.STELPLUGH@BRIGHTSPEED.COM

ANDREW DELEEUW
SPECTRUM - COMMUNICATION LINE
1228 12TH AVE S
ONALASKA, WI 54650
(715) 519-0033
ANDREW.DELEEUW@CHARTER.COM

LUKE SCHIPPER
CITY OF LA CROSSE - SEWER
905 HOUSKA PARK DRIVE
LA CROSSE, WI 54601
(608) 789-7324
SCHIPPERL@CITYOFLACROSSE.ORG

KEVIN SCHUBERT
CITY OF ONALASKA - SEWER
415 MAIN ST
ONALASKA, WI 54650
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KSCHUBERT@CITYOFONALASKA.COM

KEVIN SCHUBERT
CITY OF ONALASKA - WATER
415 MAIN ST
ONALASKA, WI 54650
(608) 781-9537
KSCHUBERT@CITYOFONALASKA.COM

MICHAEL LYDON
DAIRYLAND POWER COOPERATIVE - ELECTRICITY
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 787-1381
MICHAEL.LYDON@DAIRYLANDPOWER.COM

PETE MEDINGER
LA CROSSE WATER UTILITY - WATER
MYRIC PUMPHOUSE, 800 EAST AVE N
LA CROSSE, WI 54601
(608) 789-7384
MEDINGERPE@CITYOFLACROSSE.ORG

GLENN LEFEBVRE
METRONET - COMMUNICATION LINE
143 CAUSEWAY BLVD
LA CROSSE, WI 54601
(231)357-0823
GLENN.LEFEBVRE@METRONET.COM

BRIAN JOHNSON
NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
1120 CENTRE POINTE, STE 400
MENDOTA HEIGHTS, MN 55120
(651)456-1718
BRIAN.JOHNSON@NNGCO.COM

LORI KETTER
WINDSTREAM KDL & WINDSTREAM NTI, LLC - COMMUNICATION LINE
969 WAUBE LANE
GREEN BAY, WI 54302-3526
(920) 410-6902
LORI.KETTER@WINDSTREAM.COM

MITCHELL DIEGER
XCEL ENERGY - ELECTRICITY-TRANSMISSION
414 NICOLLET MALL
MINNEAPOLIS, MN 55401
(612)321-3109
MITCHELL.A.DIENGER@XCELENERGY.COM

LAURA JORSTAD
XCEL ENERGY - ELECTRICITY
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3628
LAURA.JORSTAD@XCELENERGY.COM

ERIN MILLER
XCEL ENERGY - GAS/PETROLEUM
3215 COMMERCE STREET
LA CROSSE, WI 54603
(608)789-3681
ERIN.J.MILLER@XCELENERGY.COM

OTHER FACILITIES CONTACT LIST:

KEVIN SCHUBERT
CITY OF ONALASKA - ROAD FACILITY
415 MAIN ST
ONALASKA, WI 54650
(608) 781-9537
KSCHUBERT@CITYOFONALASKA.COM

KEVIN SCHUBERT
CITY OF ONALASKA - STREET LIGHTING
415 MAIN ST
ONALASKA, WI 54650
(608) 781-9537
KSCHUBERT@CITYOFONALASKA.COM

GENERAL NOTES:

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS AREA APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
4. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
5. TO THE MAXIMUM EXTEND FEASIBLE, ADJUST TAPER AND TRAVEL LANE LOCATIONS TO AVOID HAVING INLETS IN TRAFFIC LANES.
6. ALL SIDE ROAD RADII SHALL BE MATCHED TO EXISTING PAVEMENT.
7. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
8. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.
9. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE.
10. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
11. STORM SEWER REPAIRS SHOWN IS NOT ALL ENCOMPASSING. CONTRACTOR SHALL INSPECT ALL INLETS WITHIN PROJECT LIMITS TO DETERMINE ADDITIONAL REPAIRS. OBTAIN APPROVAL FROM ENGINEER ON ALL REPAIRS.
12. CONTRACTOR SHALL FIELD MEASURE DEPTH OF ALL STORM SEWER STRUCTURE REPLACEMENTS.
13. ROADWAY REPAIRS SHOWN ON PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD.

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

2

PROJECT: 3700-10-64
SIGNAL REHABILITATION

BEGIN CONSTRUCTION
STA 164+70 WB

BEGIN PROJECT: 7575-01-76
STA 160+74 EB
X = 453,733.6734
Y = 134,082.7944

EXCEPTION TO NET C/L LENGTH
STA 178+55 EB - STA 182+04 EB

LOSEY BLVD N
EDGEWOOD PL
QUARY RD
CANADIAN PACIFIC RR
BLUFF PASS

157WB 157EB 160WB 160EB 165WB 165EB 170WB 170EB 175WB 175EB 180WB 180EB 185WB 185EB 190WB 190EB 195WB 195EB 200WB 200EB 205WB 205EB 210WB 210EB 215WB 215EB

MATCH LINE 217+99 EB

MATCH LINE 217+99 EB

220WB 220EB 225WB 225EB 230WB 230EB 235WB 235EB 240WB 240EB 245WB 245EB 250WB 250EB 255WB 255EB 260WB 260EB 265WB 265EB 270WB 270EB 275WB 275EB

VISTA CT S
VISTA CT N
SUNSET CT
SUNSET LN
GILLETTE ST

MATCH LINE 277+45 EB

MATCH LINE 277+45 EB

280WB 280EB 285WB 285EB 290WB 290EB 295WB 295EB 300WB 300EB 305WB 305EB 310WB 310EB 315WB 315EB 320WB 320EB 325WB 325EB 330WB 330EB 335WB 335EB 340WB 340EB 345WB 345EB

SUNSET LN
SUNSET LN
CONOCO RD
CANADIAN PACIFIC RR
CTH B

END CONSTRUCTION
PROJECT: 7575-01-76
STA 315+84 EB
STA 315+27 WB

B-32-111
B-32-115

PROJECT: 7575-01-65
STRUCTURE REHABILITATION

EXCEPTION TO NET C/L LENGTH
STA 324+39 EB - STA 337+36 EB

12TH AVE S
12TH AVE S

BEGIN CONSTRUCTION
PROJECT: 7575-01-76
STA 337+36 EB
STA 337+17 WB

MEDCO CT
STH 157

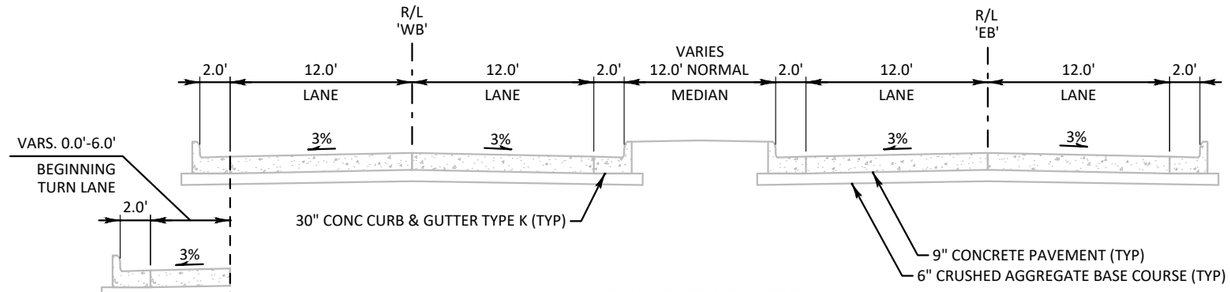
END CONSTRUCTION
STA 346+84 WB

END PROJECT: 7575-01-76
STA 346+52 EB
X = 458,168.3961
Y = 151,499.6977

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PROJECT OVERVIEW	SHEET 3 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\020200-po (Project Overview).dwg
PLOT DATE : 6/26/2024 7:34 AM
PLOT BY : SEH
LAYOUT NAME : 00
PLOT SCALE : 1.0 IN = 500.0 FT
WISDOT/CADDS SHEET 42

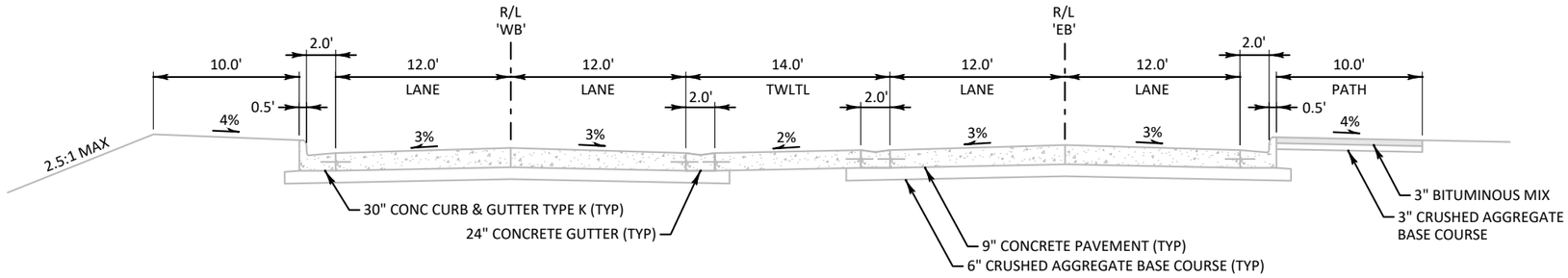
2



STH 16 - TURN LANE
STA 164+70'WB' - STA 166+04'WB'

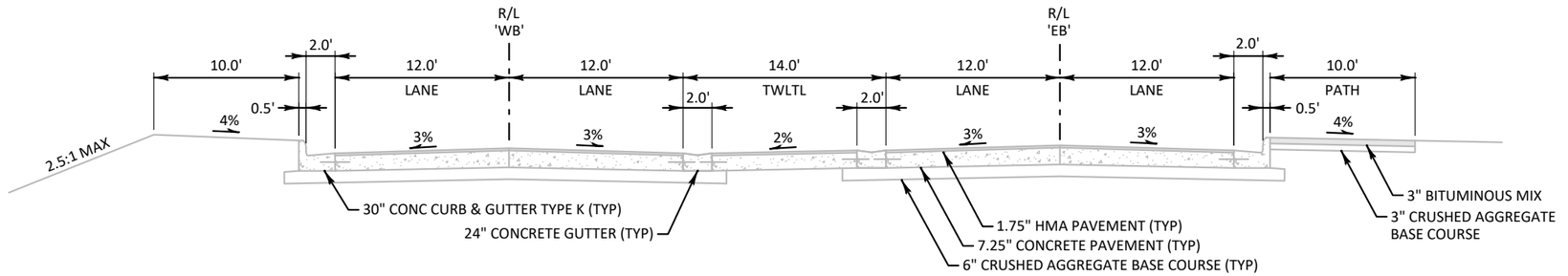
TYPICAL EXISTING SECTION

STH 16 - INTEGRAL CURB & GUTTER
STA 161+80'EB' - STA 166+16'EB'
STA 164+70'WB' - STA 166+35'WB'



TYPICAL EXISTING SECTION

STH 16 - INTEGRAL CURB & GUTTER
STA 166+16'EB' - STA 167+88'EB'
STA 166+35'WB' - STA 167+89'WB'

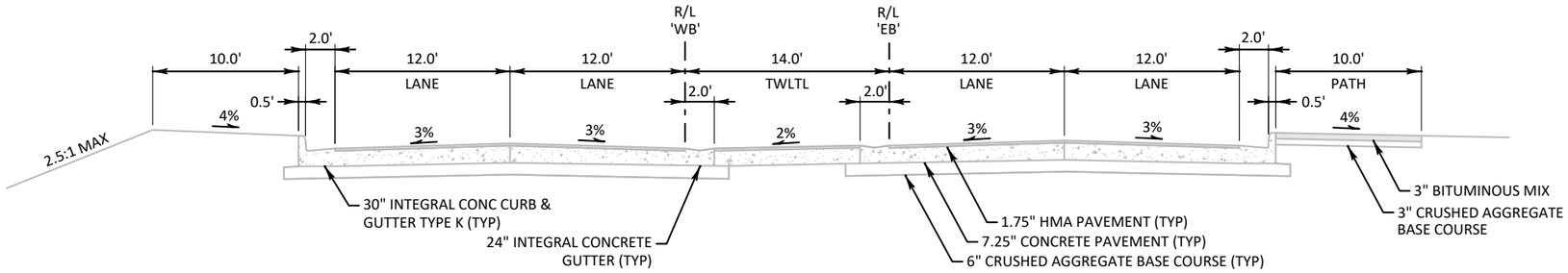


TYPICAL EXISTING SECTION

STH 16
STA 167+88'EB' - STA 178+54'EB'
STA 182+04'EB' - STA 191+50'EB'
STA 167+89'WB' - STA 179+11'WB'
STA 182+61'WB' - STA 191+50'WB'

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 4 E

2

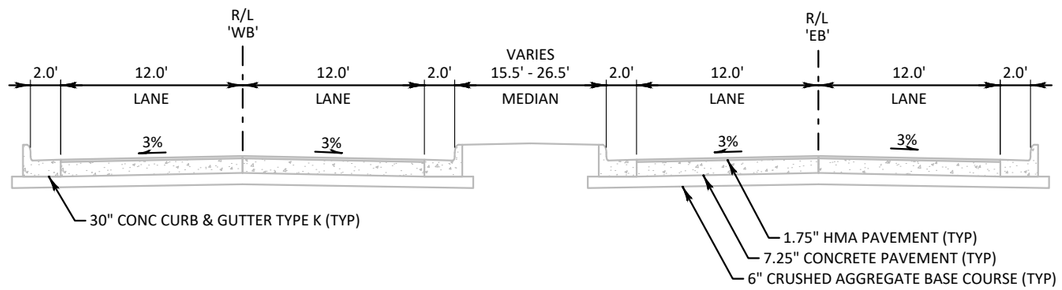


TYPICAL EXISTING SECTION

STH 16 - INTEGRAL CURB & GUTTER

STA 191+50'EB' - STA 271+00'EB'

STA 191+50'WB' - STA 271+00'WB'

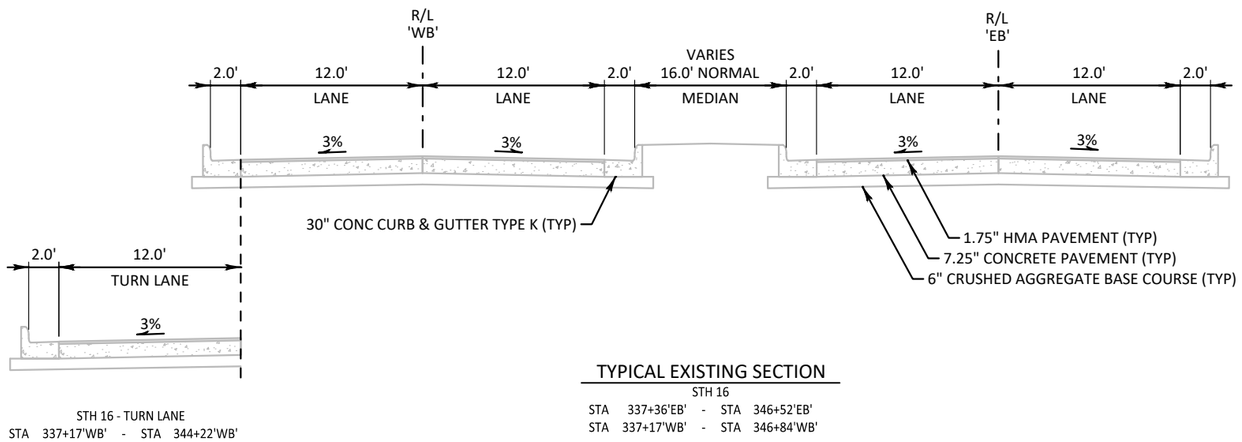


TYPICAL EXISTING SECTION

STH 16

STA 271+00'EB' - STA 315+84'EB'

STA 271+00'WB' - STA 315+27'WB'



STH 16 - TURN LANE

STA 337+17'WB' - STA 344+22'WB'

TYPICAL EXISTING SECTION

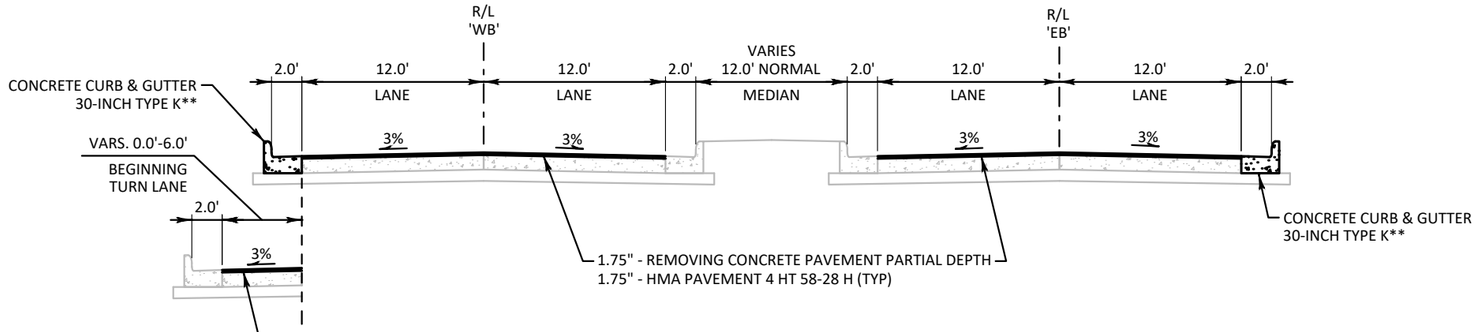
STH 16

STA 337+36'EB' - STA 346+52'EB'

STA 337+17'WB' - STA 346+84'WB'

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 5 E

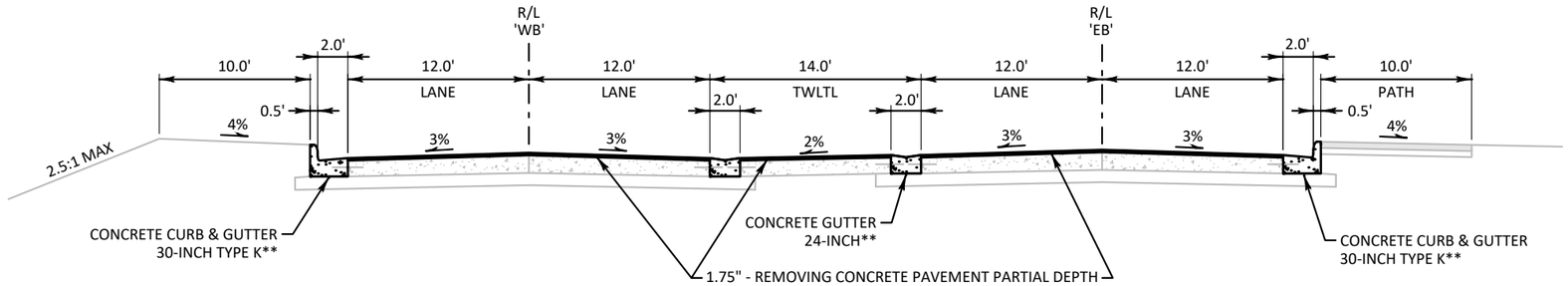
2



STH 16 - TURN LANE
STA 164+70'WB' - STA 166+04'WB'

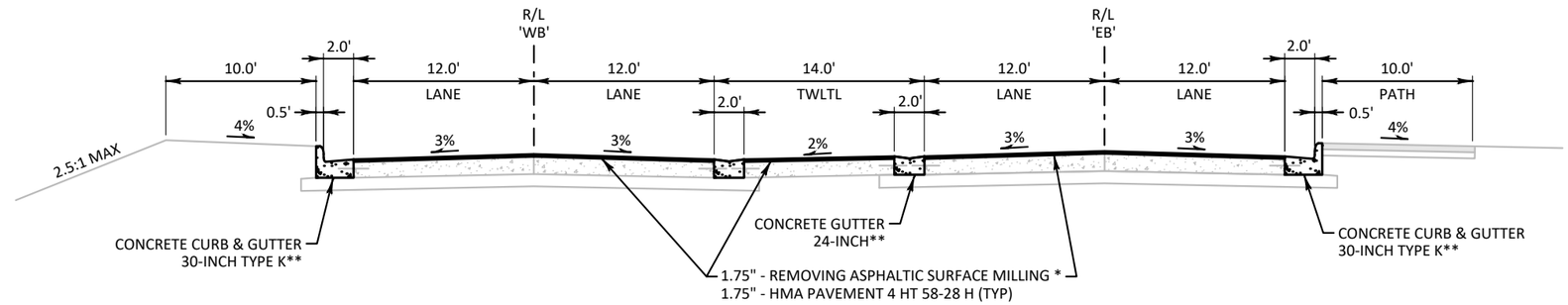
TYPICAL PROPOSED SECTION

STH 16 - INTEGRAL CURB & GUTTER
STA 161+80'EB' - STA 166+16'EB'
STA 164+70'WB' - STA 166+35'WB'



TYPICAL PROPOSED SECTION

STH 16 - INTEGRAL CURB & GUTTER
STA 166+16'EB' - STA 167+93'EB'
STA 166+35'WB' - STA 167+84'WB'



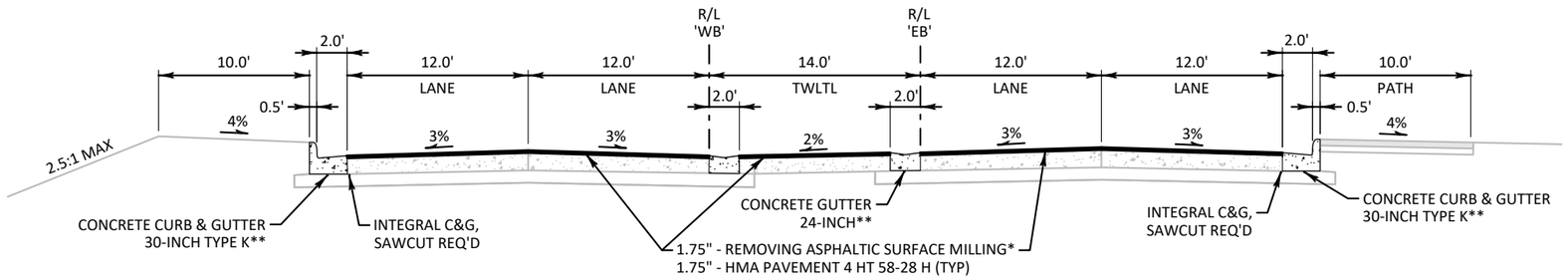
TYPICAL PROPOSED SECTION

STH 16
STA 167+93'EB' - STA 178+54'EB'
STA 182+04'EB' - STA 191+50'EB'
STA 167+84'WB' - STA 179+11'WB'
STA 182+61'WB' - STA 191+50'WB'

**SPOT CURB & GUTTER REPLACEMENTS, SEE PLAN FOR LOCATIONS

*EXISTING PAVEMENT WITHIN THE TWLTL AREA IS CONCRETE, UTILIZE 1.75" - REMOVING CONCRETE PAVEMENT PARTIAL DEPTH IN THE FOLLOWING AREAS:
- STA 172+75 EB - STA 175+00 EB, LT
- STA 183+56 EB - STA 186+38 EB, LT

2



TYPICAL PROPOSED SECTION

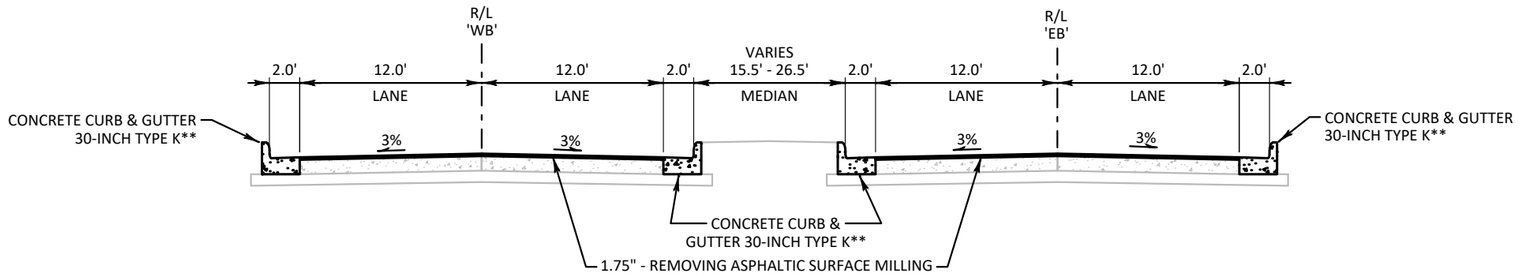
STH 16 - INTEGRAL CURB & GUTTER

STA 191+50'EB' - STA 271+00'EB'

STA 191+50'WB' - STA 271+00'WB'

*EXISTING PAVEMENT WITHIN THE TWLTL AREA IS CONCRETE, UTILIZE 1.75" - REMOVING CONCRETE PAVEMENT PARTIAL DEPTH IN THE FOLLOWING AREAS:

- STA 217+81 EB - STA 220+30 EB, LT
- STA 230+10 EB - STA 233+57 EB, LT



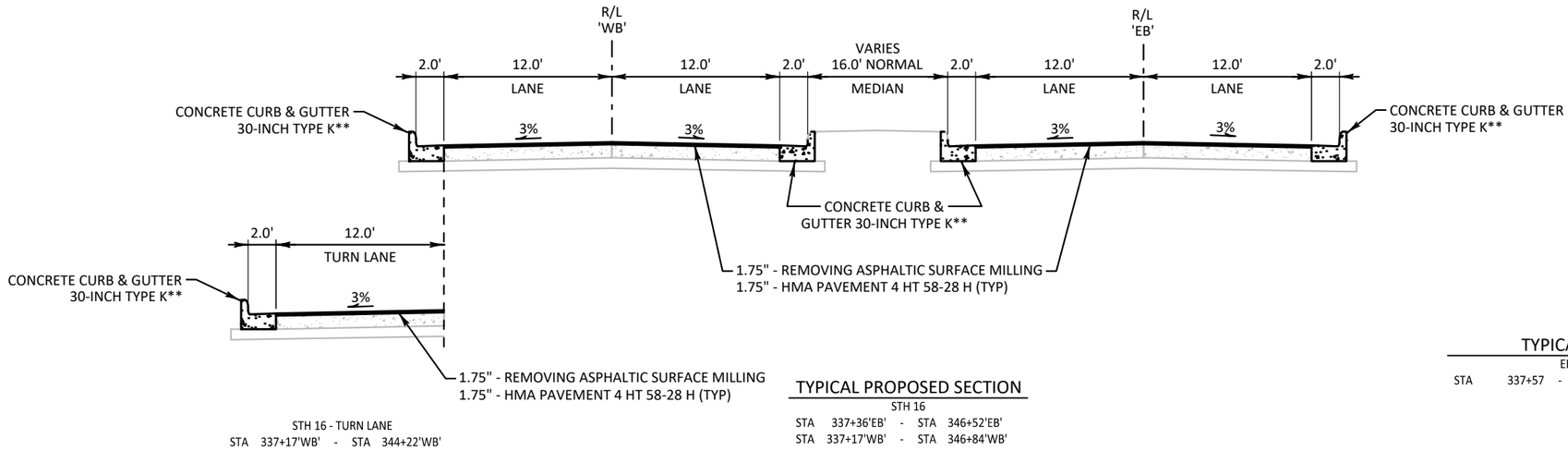
**SPOT CURB & GUTTER REPLACEMENTS, SEE PLAN FOR LOCATIONS

TYPICAL PROPOSED SECTION

STH 16

STA 271+00'EB' - STA 315+84'EB'

STA 271+00'WB' - STA 315+27'WB'



STH 16 - TURN LANE

STA 337+17'WB' - STA 344+22'WB'

TYPICAL PROPOSED SECTION

STH 16

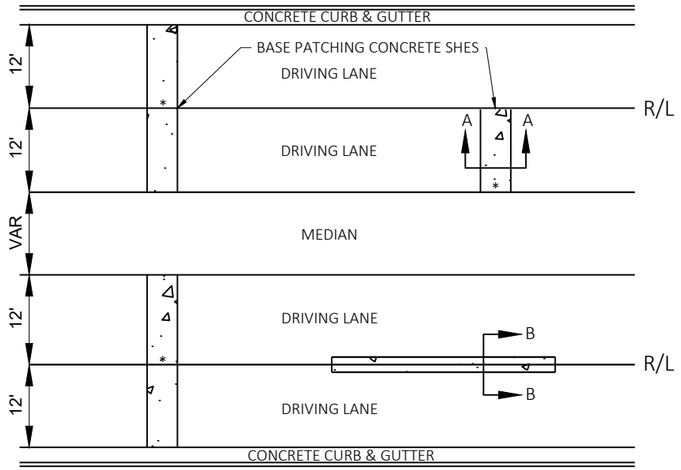
STA 337+36'EB' - STA 346+52'EB'

STA 337+17'WB' - STA 346+84'WB'

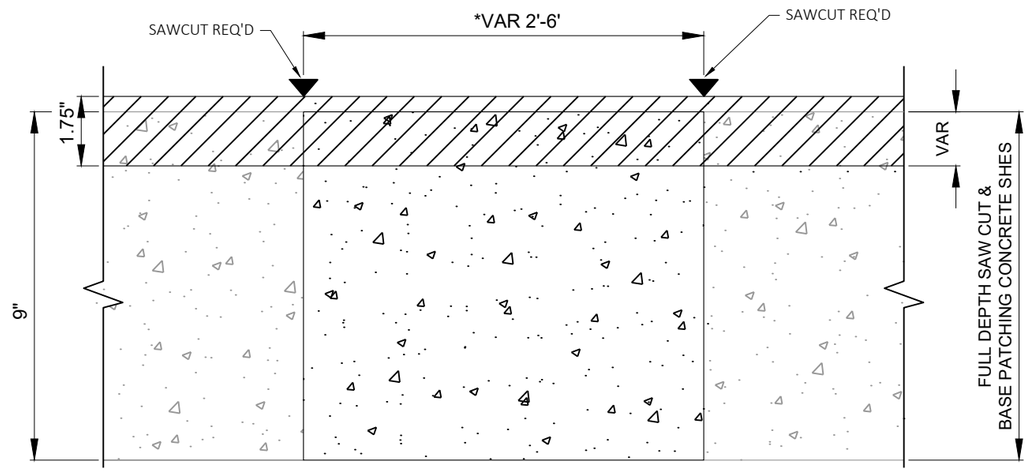
TYPICAL PROPOSED SECTION TURN LANES

EB					WB				
STA	337+57	-	STA	344+75 LT&RT	STA	345+88	-	STA	346+83 LT&RT

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TYPICAL SECTIONS	SHEET 7	E

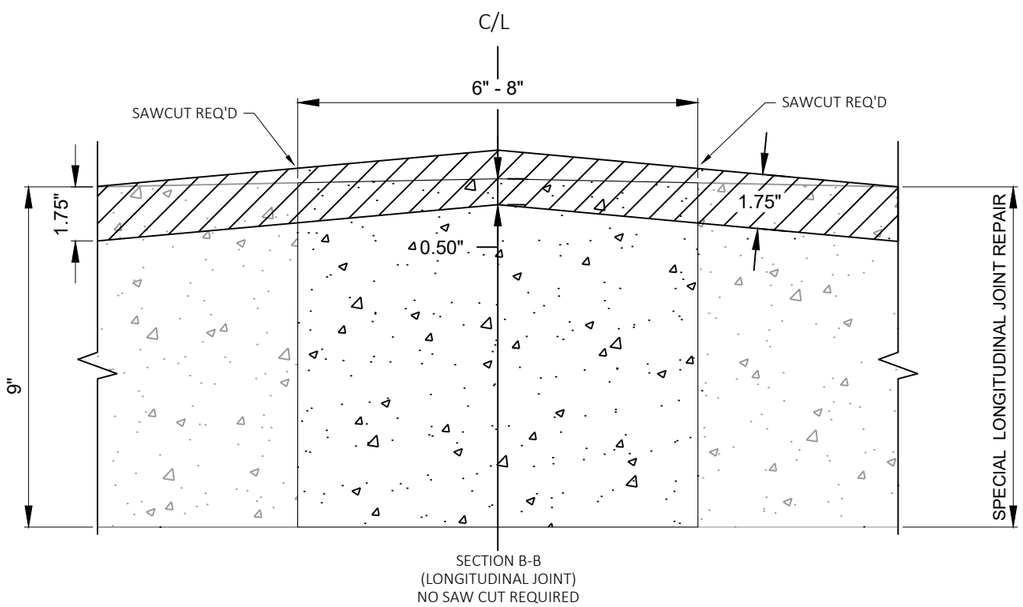


PLAN VIEW



SECTION A-A
(TRANSVERSE JOINT)

*BASE PATCH AREAS UNDER 6-FT IN LENGTH DO NOT REQUIRE DOWEL BARS. FURNISH DOWEL BARS FOR ANY BASE PATCH OVER 6-FT. TIE BARS WILL NOT BE USED FOR BASE PATCHING AREAS. TIE BARS ARE ONLY CALLED FOR IN CURB & GUTTER REPLACEMENT AREAS, UNLESS OTHERWISE NOTED.



SECTION B-B
(LONGITUDINAL JOINT)
NO SAW CUT REQUIRED

REMOVING CONCRETE SURFACE PARTIAL DEPTH AND REPLACE WITH HMA PAVEMENT 4 HT 58-28 H

HMA PAVEMENT 4 HT 58-28 H

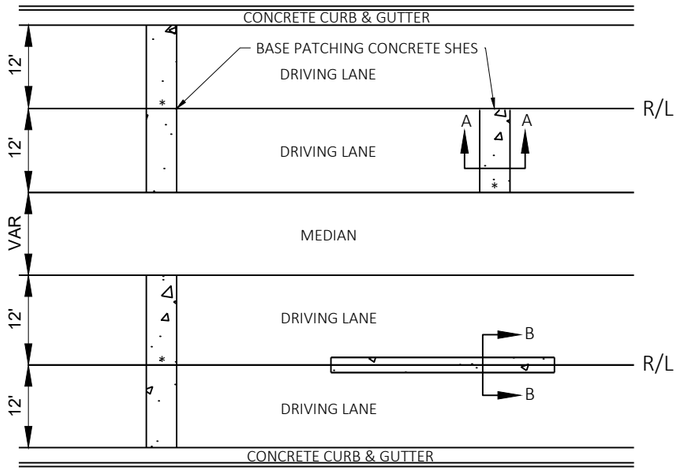
BASE PATCHING CONCRETE SHES OR SPECIAL LONGITUDINAL JOINT REPAIR

EXISTING CONCRETE PAVEMENT

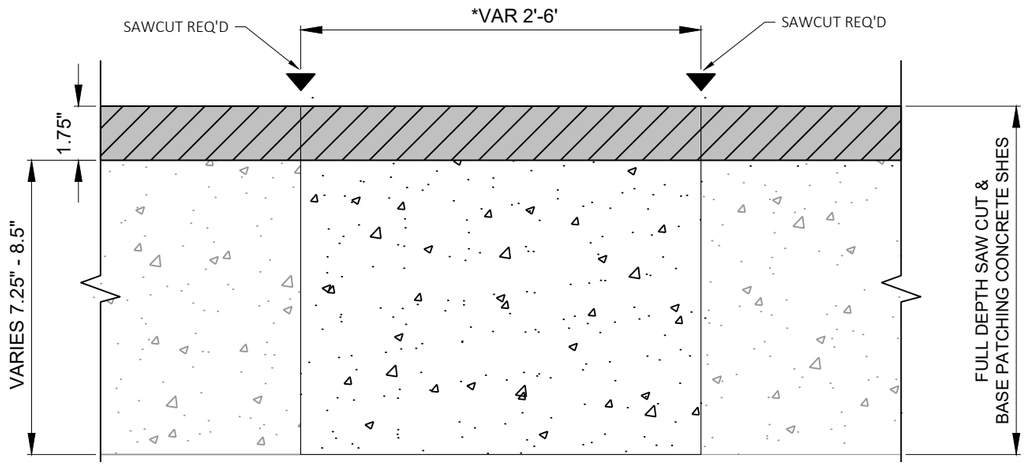
FULL DEPTH SAW CUT

BASE PATCHING CONCRETE AT JOINTS
STA 161+80 EB - STA 167+88 EB
STA 164+70 WB - STA 167+89 WB

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 8	E

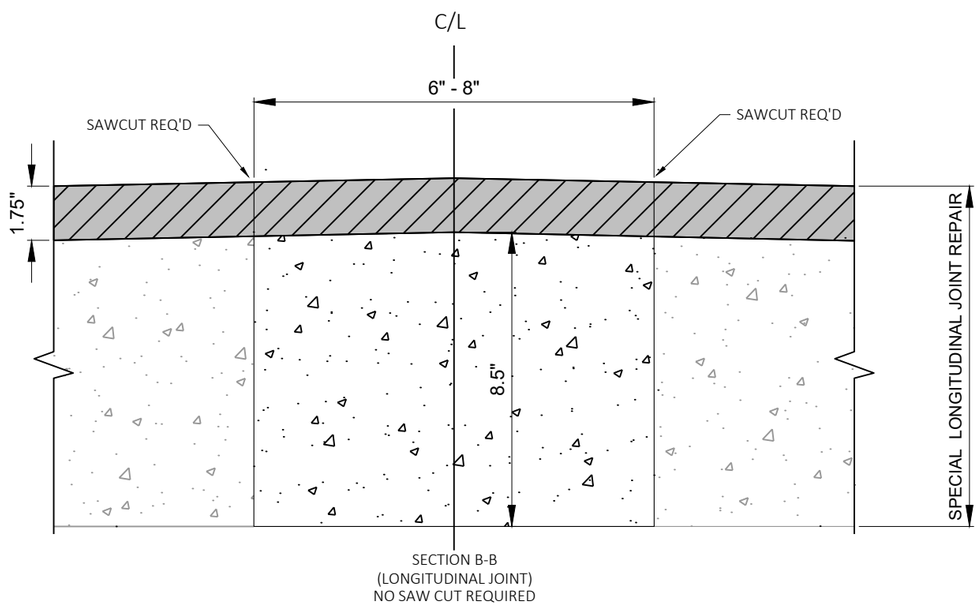


PLAN VIEW



SECTION A-A
(TRANSVERSE JOINT)

*BASE PATCH AREAS UNDER 6-FT IN LENGTH DO NOT REQUIRE DOWEL BARS. FURNISH DOWEL BARS FOR ANY BASE PATCH OVER 6-FT. TIE BARS WILL NOT BE USED FOR BASE PATCHING AREAS. TIE BARS ARE ONLY CALLED FOR IN CURB & GUTTER REPLACEMENT AREAS, UNLESS OTHERWISE NOTED.



SECTION B-B
(LONGITUDINAL JOINT)
NO SAW CUT REQUIRED

REMOVING ASPHALTIC SURFACE MILLING AND REPLACE WITH HMA PAVEMENT 4 HT 58-28 H

HMA PAVEMENT 4 HT 58-28 H

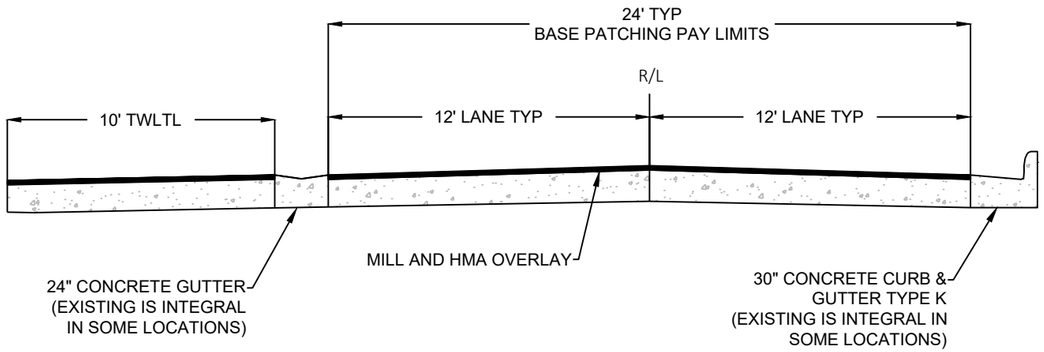
BASE PATCHING CONCRETE SHES OR SPECIAL LONGITUDINAL JOINT REPAIR

EXISTING CONCRETE PAVEMENT

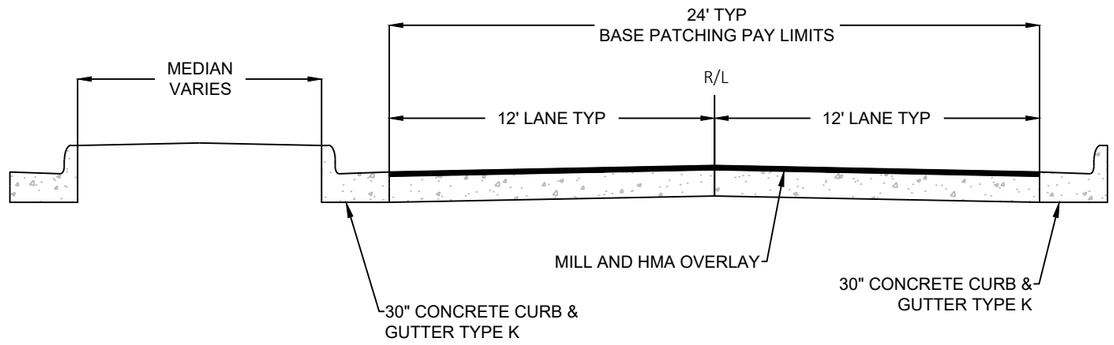
FULL DEPTH SAW CUT

BASE PATCHING CONCRETE AT JOINTS -WITHIN PREVIOUS HMA OVERLAY AREA
STA 167+88 EB - STA 346+52 EB
STA 167+89 WB - STA 346+84 WB

2

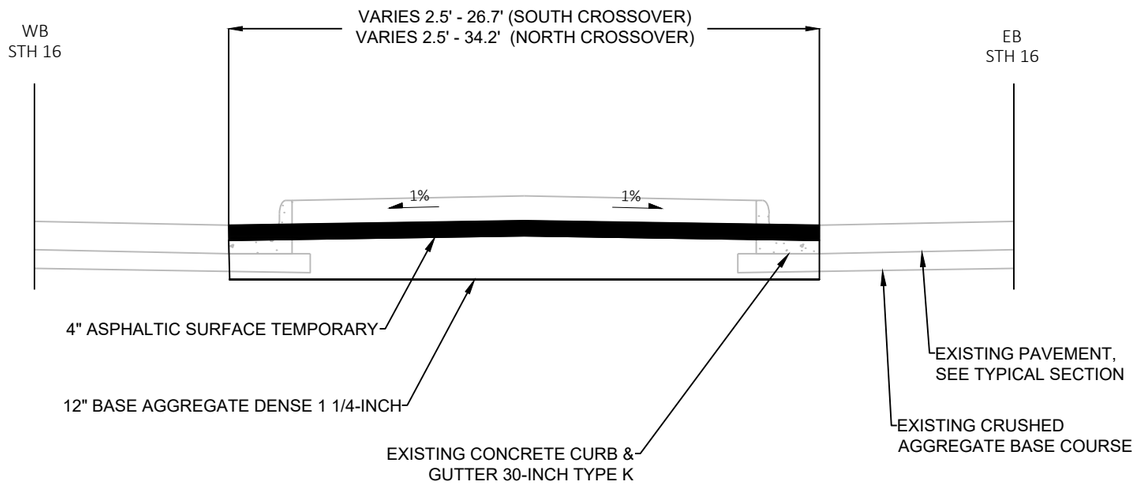


TWLTL SECTION



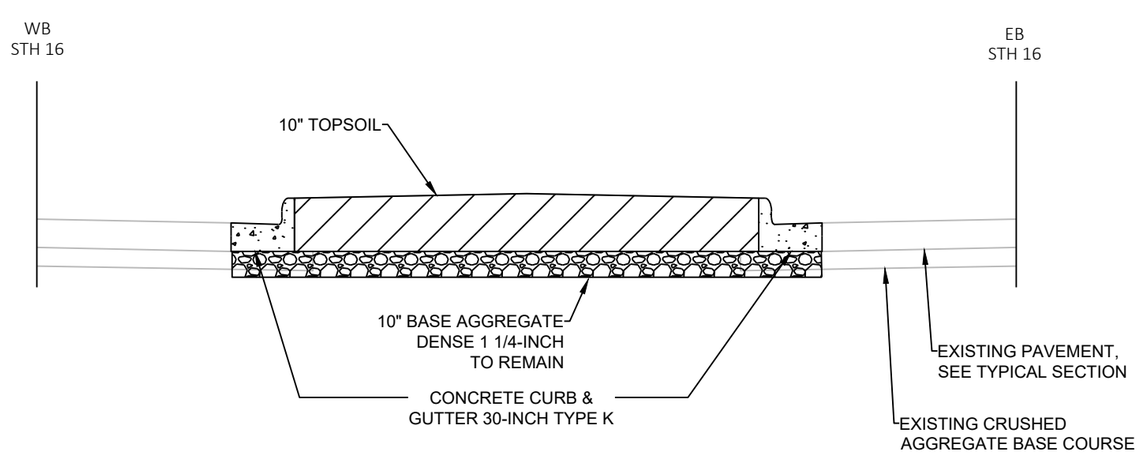
MEDIAN SECTION

BASE PATCHING PAY LIMITS



PROPOSED TEMPORARY CROSSOVER TYPICAL SECTION

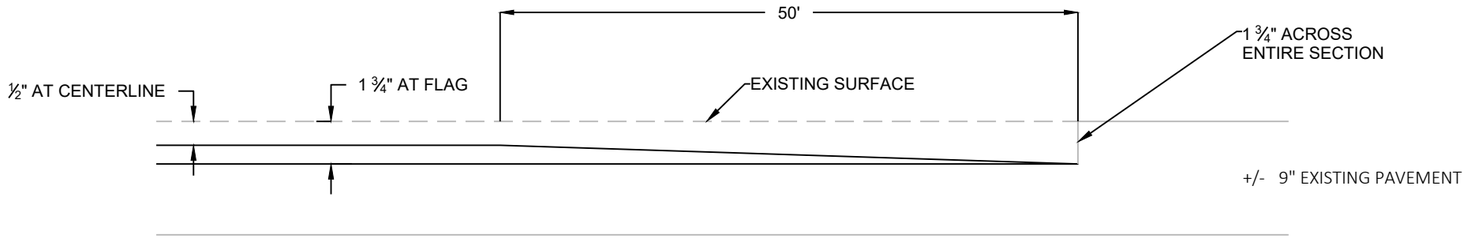
SOUTH CROSSOVER: STA 274+06 EB - STA 277+81 EB
NORTH CROSSOVER: STA 324+52 EB - STA 328+77 EB



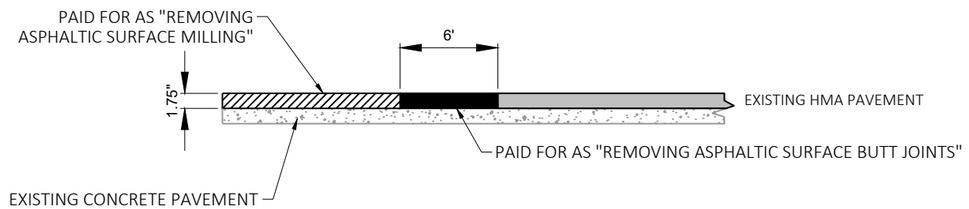
TEMPORARY CROSSOVER - RESTORATION

SOUTH CROSSOVER: STA 274+06 EB - STA 277+81 EB
NORTH CROSSOVER: STA 324+52 EB - STA 328+77 EB
(INSTALL DRIVEWAY CURB FROM STA 325+29 - STA 325+67 WB, RT)

2

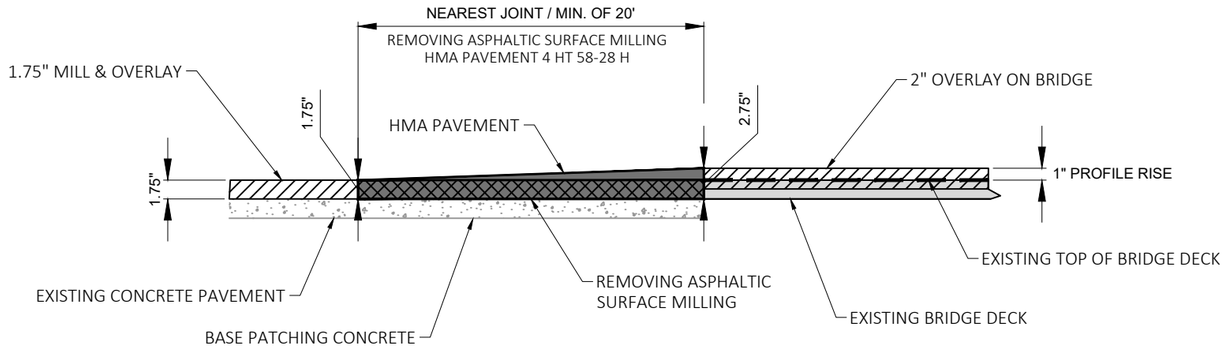


MILLING BUTT JOINT DETAIL - PAVEMENT AREA WITHOUT EXISTING HMA OVERLAY
STA 161+80 EB
STA 164+70 WB

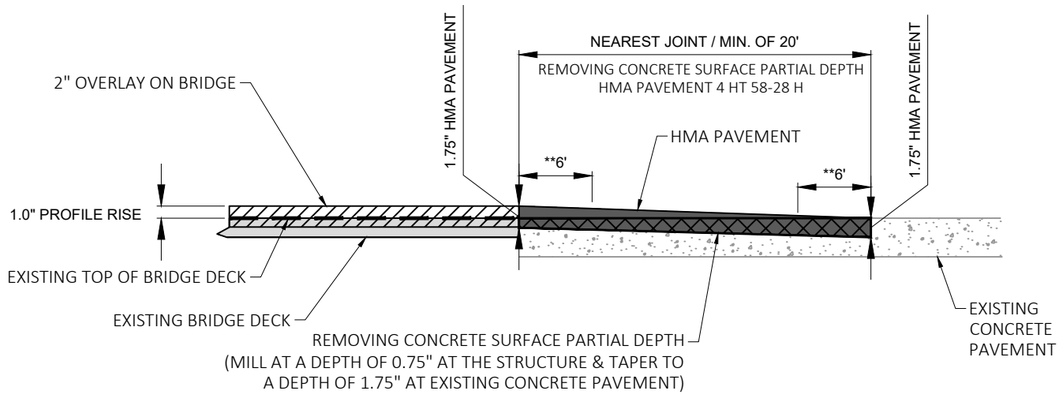


REMOVING ASPHALTIC SURFACE BUTT JOINTS

2

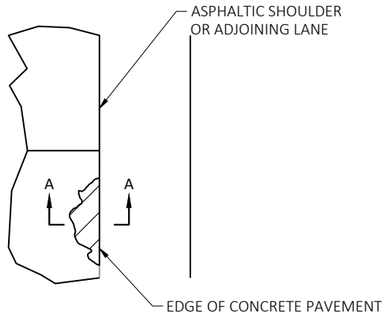


BRIDGE APPROACH DETAIL
STA 315+84 EB, B-32-115

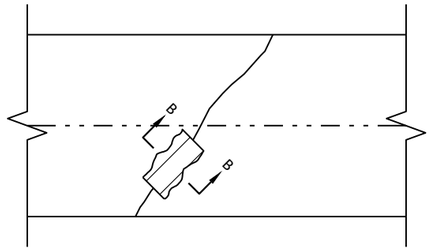


BRIDGE APPROACH DETAIL
STA 324+38 EB, B-32-115
STA 315+27 WB & STA 324+14 WB, B-32-111

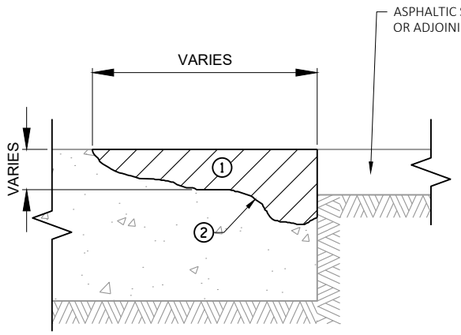
**6' AREA TO BE PAID FOR AS REMOVING CONCRETE PAVEMENT BUTT JOINTS



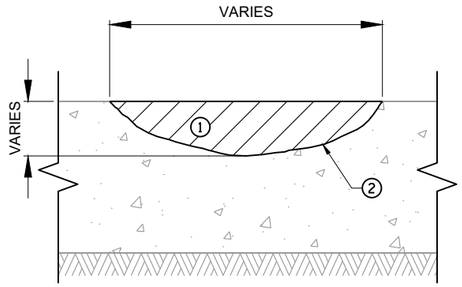
PLAN VIEW



PLAN VIEW



SECTION A-A



SECTION B-B

① REMOVE ALL UNSOUND AND DETERIORATED MATERIAL

② BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR AND APPLY TACK COAT

EDGE CLEANING

① REMOVE ALL UNSOUND AND DETERIORATED MATERIAL

② BLOW OUT REPAIR AREAS WITH 80 PSI MINIMUM COMPRESSED AIR AND APPLY TACK COAT

CRACK/JOINT CLEANING

CONCRETE JOINT AND CRACK CLEANING

2

Station = 162+02.04
Offset = 37.534
Y COORDS = 134095.1384
X COORDS = 453774.9550
RADIUS = 36.91'

Station = 161+91.30
Offset = 38.408
Y COORDS = 134084.8481
X COORDS = 453773.4639
RADIUS = 26.51'

Station = 160+91.17
Offset = 39.091
Y COORDS = 133989.8078
X COORDS = 453757.3234
RADIUS = 30.00'

Edgewood Pl.

N

R36.91'

R26.51'

R30.00'

R499.41'

+65.06
47.69'R

+38.53
57.31'R

+63.91
41.50'R

+32.33
47.43'R

+64.59
32.23'R

+63.81
40.15'R

+28.96
42.16'R

+69.41
22.54'R

+24.64
35.16'R

+73.49
18.33'R

+17.58
23.48'R

+87.43
12.16'R

+79.71
12.26'R

+07.18
13.47'R

+04.30
9.92'R

+92.23
9.11'R

+73.81
8.56'R

665.33
665.57
665.63
665.75
665.87
665.94
666.08
666.07
666.05
665.97
665.83
665.73
665.56
665.50

GRASS

STH 16

LOSEY BOULEVARD

162+00.00

161+00.00

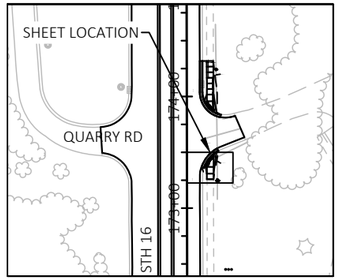
CONSTRUCTION NOTES:
1. NEW JOINTS SHALL BE ALIGNED WITH EXISTING JOINTS OF ADJACENT CONCRETE. LOCATIONS SHALL BE VERIFIED BY ENGINEER IN THE FIELD.
2. SEE SDD 13C18 FOR ADDITIONAL INFORMATION.
3. SEE PROJECT 3700-10-64 FOR INFORMATION ON CURB AND GUTTER, CURB RAMPS, SIDEWALK, AND MEDIAN SIDEWALK REPLACEMENT.

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CONSTRUCTION DETAILS	SHEET 14	E

2

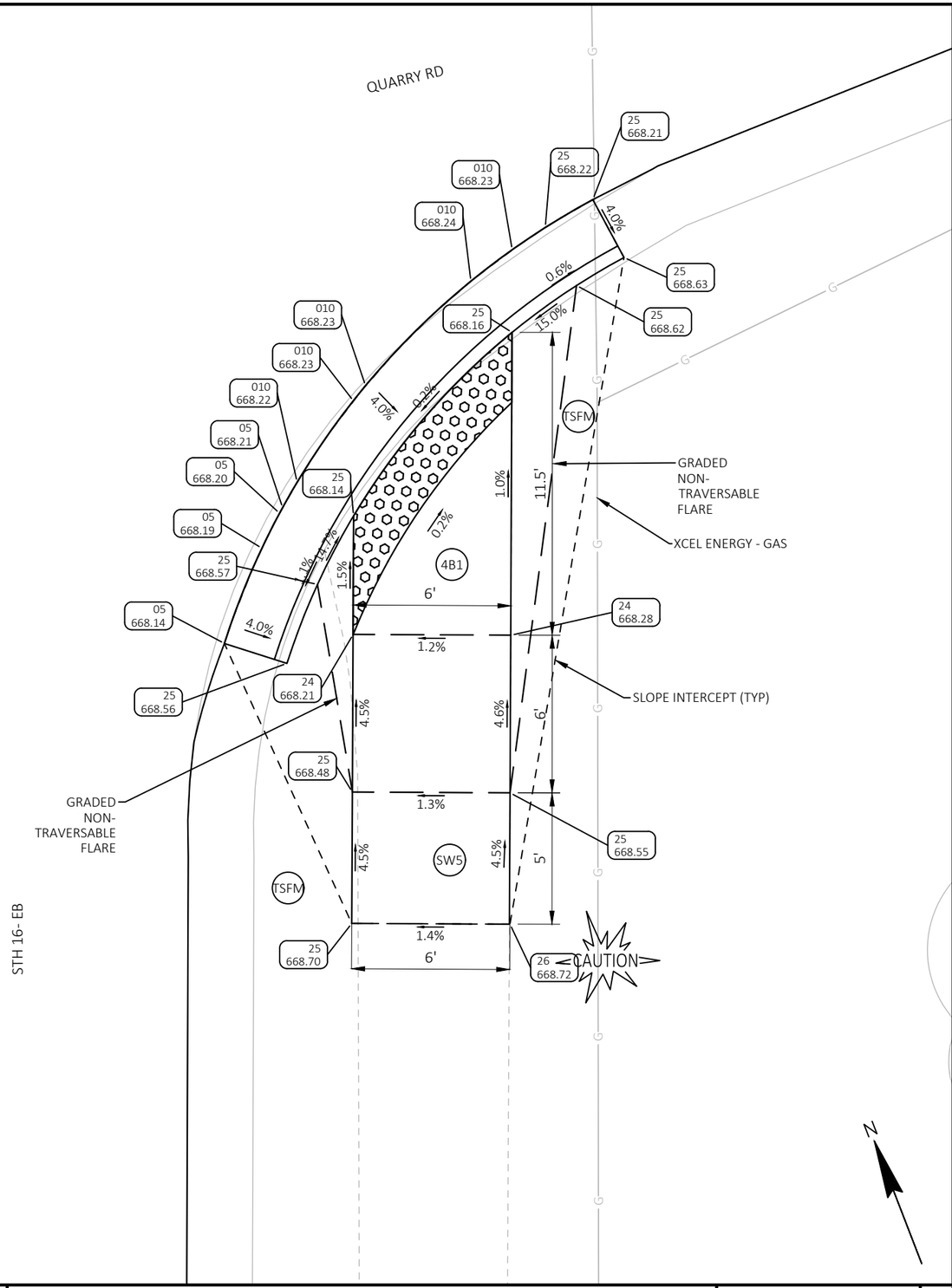
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
XX XXXX.XX	POINT NUMBER & ELEVATION



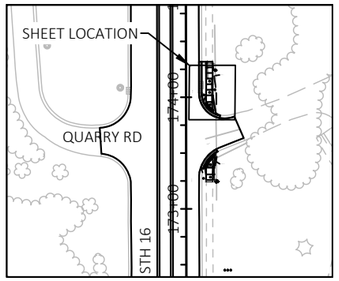
RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	26.8 FT	11.5 FT	19.87 SF	9.23 FT

QUARRY RD - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
05	173+36.56	12.98' RT	668.14	135132.13	454214.01
05	173+40.18	14.41' RT	668.19	135134.79	454216.85
05	173+41.51	15.08' RT	668.20	135135.71	454218.03
05	173+41.72	15.20' RT	668.21	135135.84	454218.23
010	173+42.69	15.75' RT	668.22	135136.48	454219.14
010	173+45.78	17.91' RT	668.23	135138.36	454222.41
010	173+46.36	18.37' RT	668.23	135138.68	454223.07
010	173+51.52	23.95' RT	668.23	135140.96	454230.33
010	173+50.32	22.38' RT	668.24	135140.55	454228.39
24	173+36.90	17.88' RT	668.21	135130.34	454218.58
24	173+36.85	23.88' RT	668.28	135127.73	454223.99
25	173+41.40	17.90' RT	668.14	135134.40	454220.53
25	173+48.38	23.94' RT	668.16	135138.13	454228.98
25	173+53.43	27.02' RT	668.21	135141.37	454233.92
25	173+52.37	25.21' RT	668.22	135141.19	454231.83
25	173+30.90	17.83' RT	668.48	135124.93	454215.98
25	173+30.85	23.83' RT	668.55	135122.33	454221.38
25	173+35.80	15.35' RT	668.56	135130.42	454215.83
25	173+38.80	16.52' RT	668.57	135132.64	454218.17
25	173+50.16	26.40' RT	668.62	135138.68	454231.96
25	173+51.22	28.20' RT	668.63	135138.87	454234.05
25	173+25.90	17.80' RT	668.70	135120.43	454213.81
26	173+25.86	23.82' RT	668.72	135117.81	454219.24



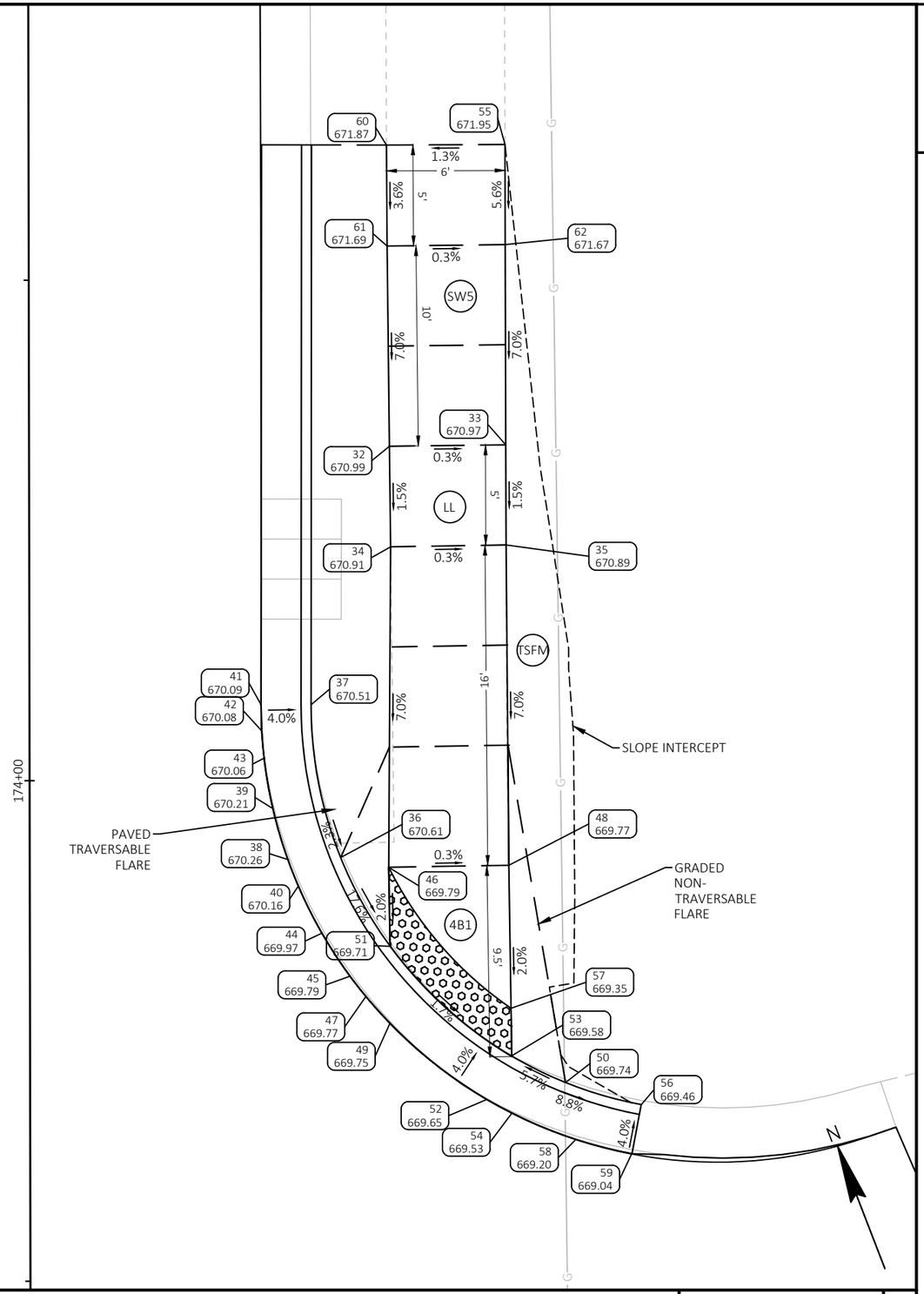
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
XX XXXX.XX	POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	20.52 FT	9.54 FT	17.53 SF	8.19 FT

QUARRY RD - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
32	174+16.68	18.01' RT	670.99	135202.40	454252.82
33	174+16.73	23.82' RT	670.97	135199.96	454258.10
34	174+11.65	18.06' RT	670.91	135197.83	454250.71
35	174+11.73	23.82' RT	670.89	135195.44	454255.96
36	173+96.14	15.54' RT	670.61	135184.89	454241.80
37	174+03.77	14.07' RT	670.51	135192.42	454243.74
38	173+96.03	12.94' RT	670.26	135185.90	454239.40
39	173+98.58	12.16' RT	670.21	135188.54	454239.79
40	173+94.72	13.42' RT	670.16	135184.51	454239.28
41	174+03.77	11.57' RT	670.09	135193.49	454241.48
42	174+02.44	11.62' RT	670.08	135192.26	454240.96
43	174+01.12	11.74' RT	670.06	135191.02	454240.50
44	173+92.37	14.61' RT	669.97	135181.88	454239.35
45	173+90.21	15.99' RT	669.79	135179.33	454239.68
46	173+95.65	17.93' RT	669.79	135183.42	454243.76
47	173+89.21	16.79' RT	669.77	135178.09	454239.97
48	173+95.73	23.93' RT	669.77	135180.93	454249.22
49	173+87.86	17.99' RT	669.75	135176.36	454240.48
50	173+84.87	26.75' RT	669.74	135169.91	454247.12
51	173+91.70	17.99' RT	669.71	135179.83	454242.12
52	173+84.04	22.81' RT	669.65	135170.84	454243.20
53	173+86.23	24.07' RT	669.58	135172.28	454245.28
54	173+83.36	24.07' RT	669.53	135169.69	454244.05
55	174+31.73	23.80' RT	669.49	135213.53	454264.50
56	173+83.75	30.52' RT	669.46	135167.29	454250.04
57	173+88.59	24.03' RT	669.35	135174.43	454246.25
58	173+82.04	27.26' RT	669.20	135167.13	454246.37
59	173+81.32	30.05' RT	669.04	135165.29	454248.58
60	174+31.72	17.88' RT	0.00	135216.05	454259.14
61	174+26.67	17.91' RT	0.00	135211.48	454257.00
62	174+26.73	23.81' RT	0.00	135209.01	454262.36



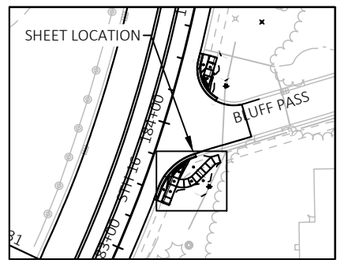
2

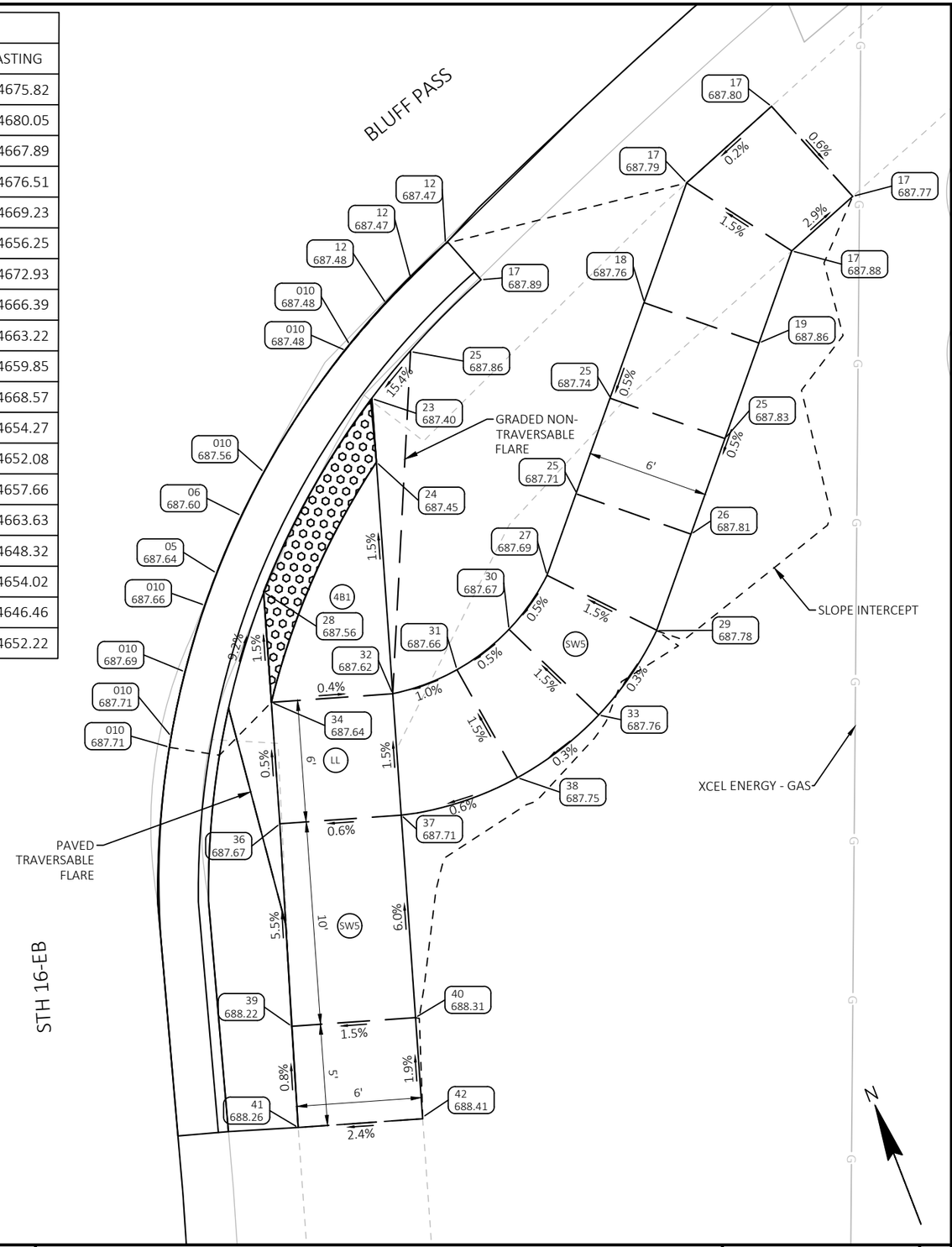
BLUFF PASS - SE						BLUFF PASS - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
05	183+70.37	16.16' RT	687.64	136069.06	454654.56	25	183+76.59	36.45' RT	687.74	136068.48	454675.82
06	183+73.00	17.69' RT	687.60	136071.09	454656.88	25	183+74.09	41.81' RT	687.83	136064.28	454680.05
010	183+80.35	23.73' RT	687.48	136076.24	454665.02	25	183+79.92	26.91' RT	687.86	136074.81	454667.89
010	183+80.59	23.97' RT	687.48	136076.40	454665.32	26	183+69.77	39.63' RT	687.81	136060.75	454676.51
010	183+74.97	19.04' RT	687.56	136072.55	454658.81	27	183+68.56	32.36' RT	687.69	136061.96	454669.23
010	183+68.87	15.43' RT	687.66	136067.86	454653.36	28	183+69.22	18.37' RT	687.56	136067.22	454656.25
010	183+65.76	14.10' RT	687.69	136065.33	454651.06	29	183+65.39	37.44' RT	687.78	136057.18	454672.93
010	183+62.71	13.10' RT	687.71	136062.75	454649.08	30	183+66.18	30.21' RT	687.67	136060.36	454666.39
010	183+62.20	12.96' RT	687.71	136062.31	454648.78	31	183+64.51	27.45' RT	687.66	136059.66	454663.22
12	183+84.86	29.26' RT	687.47	136078.88	454671.73	32	183+63.68	24.18' RT	687.62	136059.95	454659.85
12	183+83.43	27.34' RT	687.47	136078.09	454669.45	33	183+61.68	34.18' RT	687.76	136054.65	454668.57
12	183+82.36	25.99' RT	687.48	136077.48	454667.81	34	183+63.86	18.19' RT	687.64	136062.14	454654.27
17	183+84.71	49.47' RT	687.77	136072.36	454690.86	36	183+57.97	18.02' RT	687.67	136056.55	454652.08
17	183+86.31	41.43' RT	687.79	136076.48	454683.75	37	183+57.83	24.01' RT	687.71	136054.37	454657.66
17	183+89.38	46.05' RT	687.80	136078.09	454689.15	38	183+59.09	29.90' RT	687.75	136053.58	454663.63
17	183+82.52	46.16' RT	687.88	136071.22	454686.99	39	183+48.16	17.70' RT	688.22	136047.29	454648.32
17	183+82.94	30.78' RT	687.89	136076.52	454672.55	40	183+48.07	23.81' RT	688.31	136045.06	454654.02
18	183+80.91	38.65' RT	687.76	136072.03	454679.34	41	183+43.25	17.60' RT	688.26	136042.64	454646.46
19	183+78.39	44.02' RT	687.86	136067.82	454683.58	42	183+43.26	23.75' RT	688.41	136040.47	454652.22
23	183+77.90	24.74' RT	687.40	136073.54	454665.17						
24	183+74.84	24.60' RT	687.45	136070.61	454664.03						
25	183+72.24	34.28' RT	687.71	136064.93	454672.30						

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	40.18 FT	14.59 FT	23.76 SF	10.92 FT

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
- XX XXXX.XX — POINT NUMBER & ELEVATION





LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
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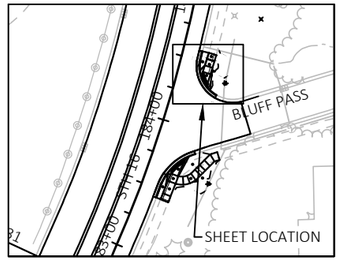
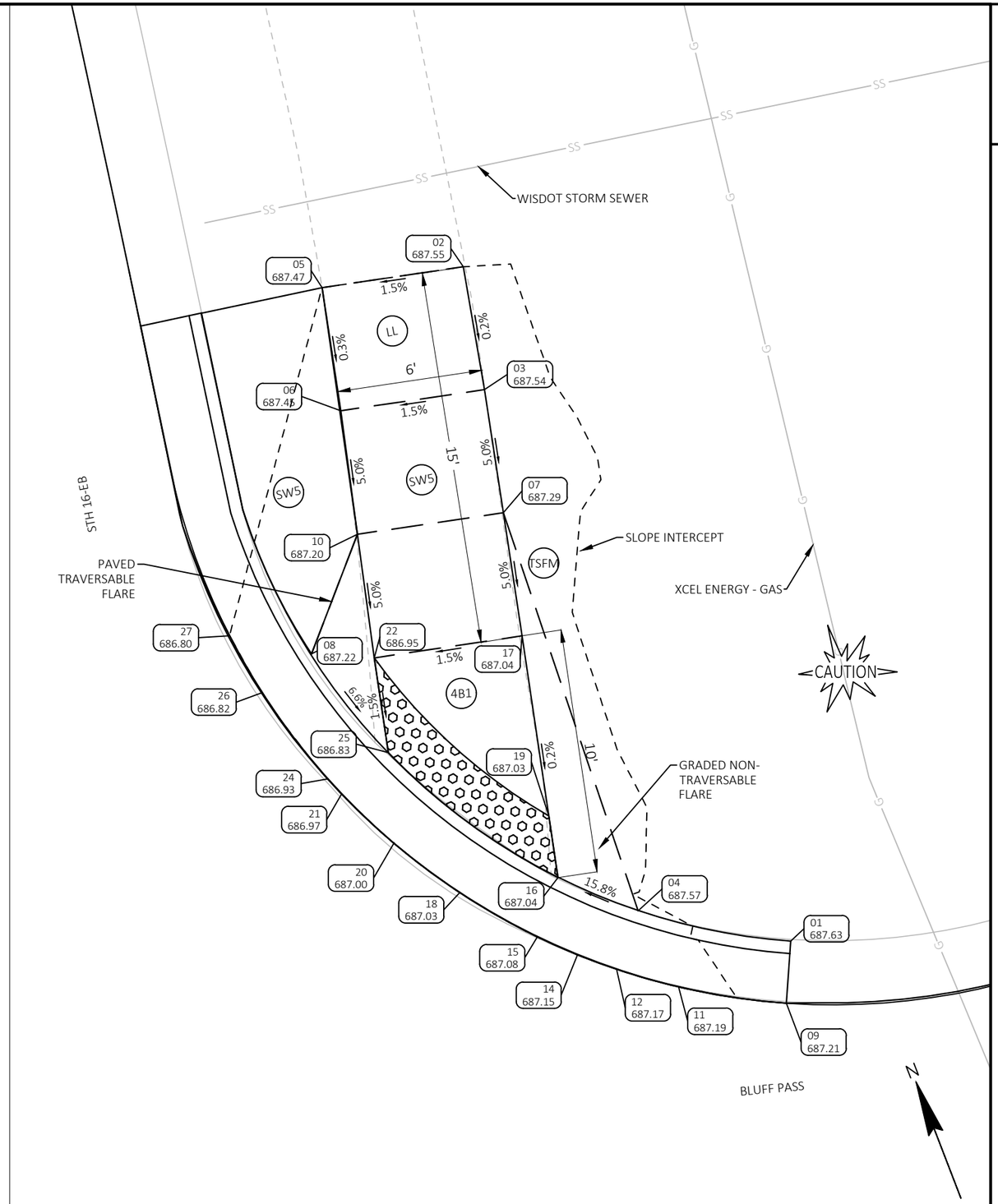
- XX XXXX.XX — POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	24.74 FT	9.8 FT	17.93 SF	8.46 FT

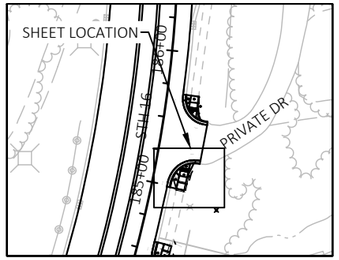
BLUFF PASS - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	184+28.65	32.91' RT	687.63	136120.99	454688.49
02	184+56.82	24.90' RT	687.55	136151.08	454688.24
03	184+51.95	24.79' RT	687.54	136146.27	454686.90
04	184+30.82	27.08' RT	687.57	136124.73	454683.48
05	184+57.10	19.18' RT	687.47	136152.76	454682.76
06	184+52.20	18.96' RT	687.45	136147.97	454681.32
07	184+47.07	24.60' RT	687.29	136141.48	454685.46
08	184+43.00	15.99' RT	687.22	136139.66	454676.07
09	184+26.30	32.33' RT	687.21	136118.82	454687.26
10	184+47.30	18.69' RT	687.20	136143.21	454679.80
11	184+27.62	28.17' RT	687.19	136121.26	454683.64
12	184+28.72	25.83' RT	687.17	136122.99	454681.70
13	184+29.52	24.39' RT	687.15	136124.17	454680.53
14	184+29.52	24.39' RT	687.15	136124.17	454680.53
15	184+30.48	22.93' RT	687.08	136125.51	454679.39
16	184+32.63	24.14' RT	687.04	136127.30	454681.15
17	184+42.20	24.43' RT	687.04	136136.69	454684.01
18	184+32.72	20.16' RT	687.03	136128.46	454677.34
19	184+35.07	24.21' RT	687.03	136129.70	454681.88



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - BLUFF PASS NE	SHEET 18	E

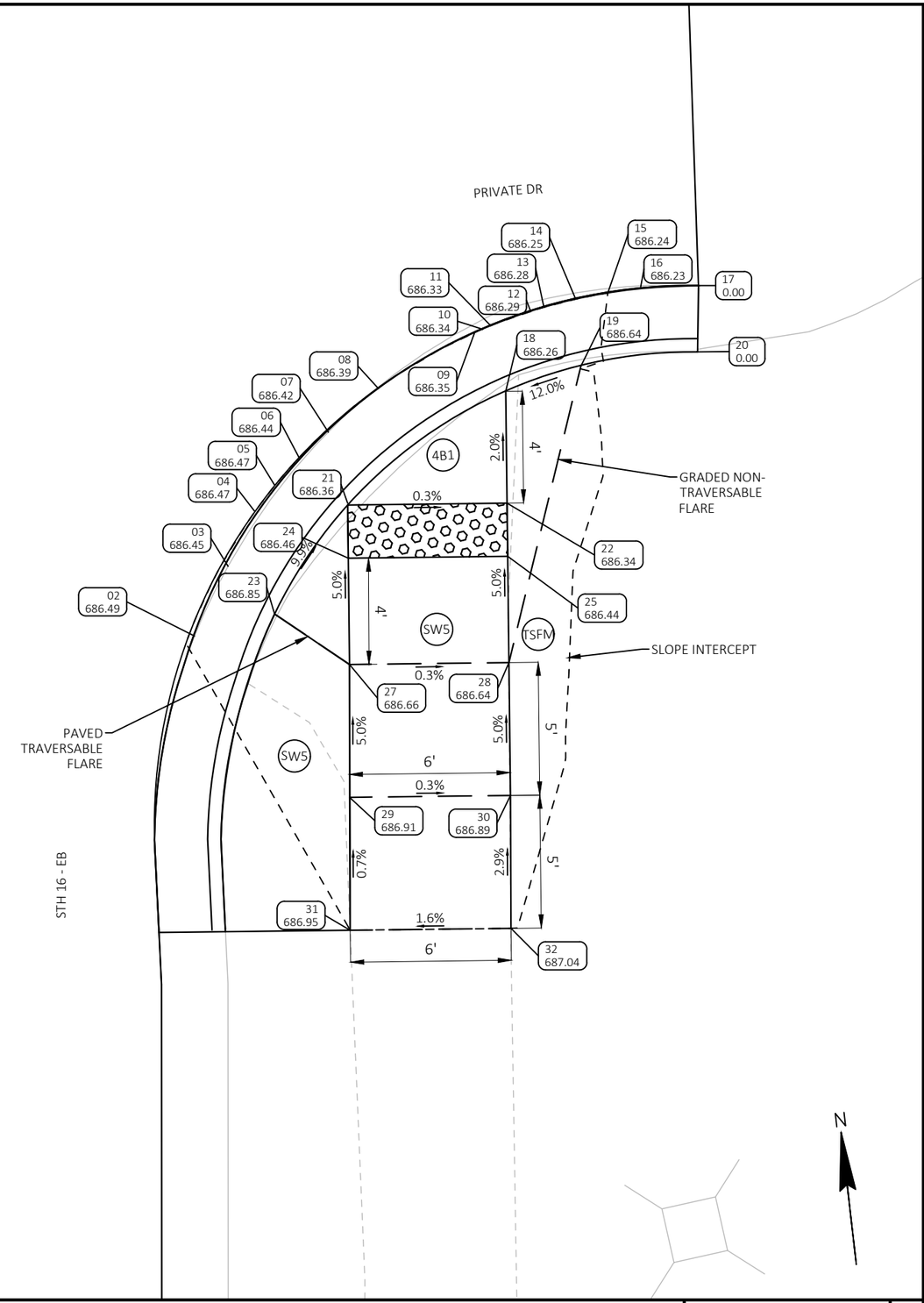
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021301_CR_SOUTH.DWG
LAYOUT NAME - 04-BluffPass-NE
PLOT DATE : 7/18/2024 8:35 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

STH 16 - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01 (6)	185+14.42	15.62' RT	686.47	136210.48	454691.85
02	185+09.87	13.21' RT	686.49	136206.41	454688.61
03	185+12.42	14.54' RT	686.45	136208.70	454690.42
04	185+14.42	15.62' RT	686.47	136210.48	454691.85
05	185+15.36	16.40' RT	686.47	136211.28	454692.80
06	185+16.36	17.35' RT	686.44	136212.10	454693.92
07	185+17.26	18.48' RT	686.42	136212.80	454695.20
08	185+18.80	20.42' RT	686.39	136213.98	454697.40
09	185+20.73	24.13' RT	686.35	136215.25	454701.40
10	185+20.83	24.44' RT	686.34	136215.30	454701.72
11	185+20.95	24.73' RT	686.33	136215.37	454702.04
12	185+21.40	26.27' RT	686.29	136215.55	454703.63
13	185+21.55	26.76' RT	686.28	136215.61	454704.15
14	185+21.80	27.97' RT	686.25	136215.65	454705.38
15	185+21.98	29.19' RT	686.24	136215.61	454706.61
16	185+22.09	30.42' RT	686.23	136215.49	454707.84
17	185+22.12	32.66' RT	0.00	136215.12	454710.05
18	185+18.52	25.21' RT	686.26	136212.83	454702.05
19	185+19.35	28.07' RT	686.64	136213.14	454705.02
20	185+19.70	32.48' RT	0.00	136212.70	454709.42
21	185+14.62	19.12' RT	686.36	136210.03	454695.33
22	185+14.43	25.11' RT	686.34	136208.72	454701.18
23	185+10.61	16.24' RT	686.85	136206.56	454691.73
24	185+12.59	19.08' RT	686.46	136208.01	454694.90
25	185+12.48	25.07' RT	686.44	136206.76	454700.77
27	185+08.66	19.01' RT	686.66	136204.09	454694.07
28	185+08.58	25.00' RT	686.64	136202.85	454699.94
29	185+03.76	18.89' RT	686.91	136199.21	454692.98
30	185+03.70	24.94' RT	686.89	136197.96	454698.90
31	184+98.86	18.82' RT	686.95	136194.33	454691.91
32	184+98.83	24.87' RT	687.04	136193.07	454697.83



LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
- XX XXXX.XX — POINT NUMBER & ELEVATION



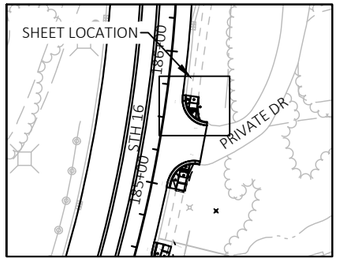
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - STH16 SE	SHEET 19	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021301_CR_SOUTH.DWG
LAYOUT NAME - 05-STH16-SE
PLOT DATE : 7/11/2024 2:03 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT

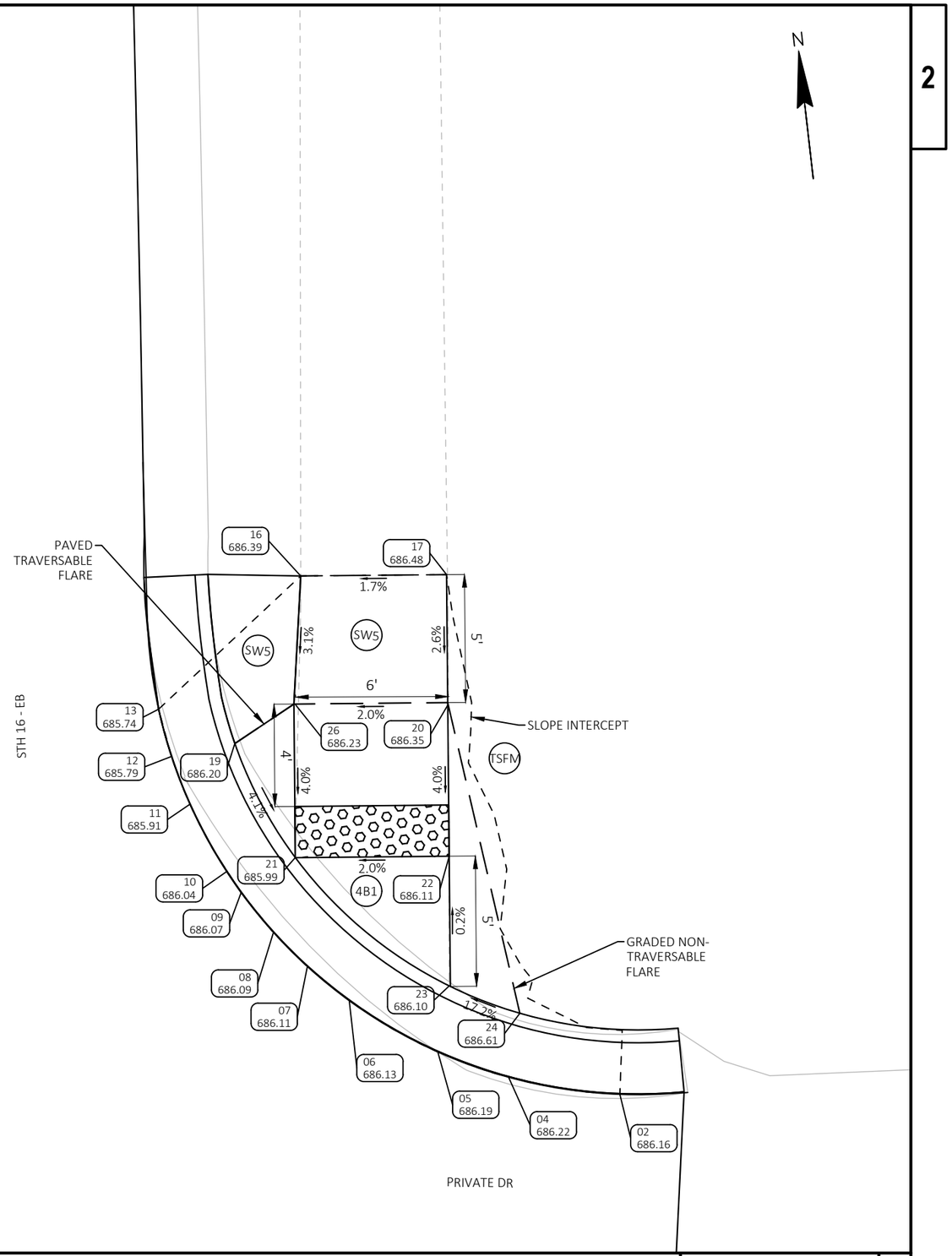
2

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
- XX XXXX.XX — POINT NUMBER & ELEVATION



STH 16 - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
02	185+48.67	30.65' RT	686.16	136242.50	454712.61
04	185+49.29	26.29' RT	686.22	136243.79	454708.39
05	185+50.19	23.52' RT	686.19	136245.11	454705.80
06	185+52.14	20.04' RT	686.13	136247.61	454702.65
07	185+53.40	18.39' RT	686.11	136249.12	454701.21
08	185+54.69	17.05' RT	686.09	136250.62	454700.08
09	185+56.21	15.78' RT	686.07	136252.33	454699.05
10	185+57.03	15.23' RT	686.04	136253.24	454698.62
11	185+59.61	13.76' RT	685.91	136256.03	454697.54
12	185+61.44	13.03' RT	685.79	136257.98	454697.08
13	185+63.26	12.53' RT	685.74	136259.87	454696.84
16	185+68.37	18.10' RT	686.39	136264.27	454703.05
17	185+68.39	23.80' RT	686.48	136263.53	454708.70
19	185+61.95	15.51' RT	686.20	136258.14	454699.60
20	185+63.45	23.85' RT	686.35	136258.51	454708.07
21	185+57.57	17.89' RT	685.99	136253.40	454701.33
22	185+57.66	23.90' RT	686.11	136252.63	454707.29
23	185+52.71	23.94' RT	686.10	136247.61	454706.59
24	185+51.70	26.71' RT	686.61	136246.17	454709.18
26	185+63.43	17.88' RT	686.23	136259.31	454702.16

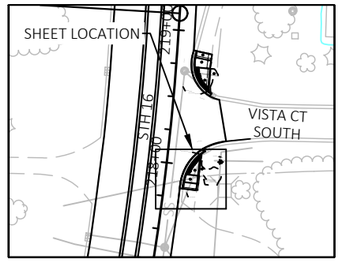


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - STH16 NE	SHEET 20	E

2

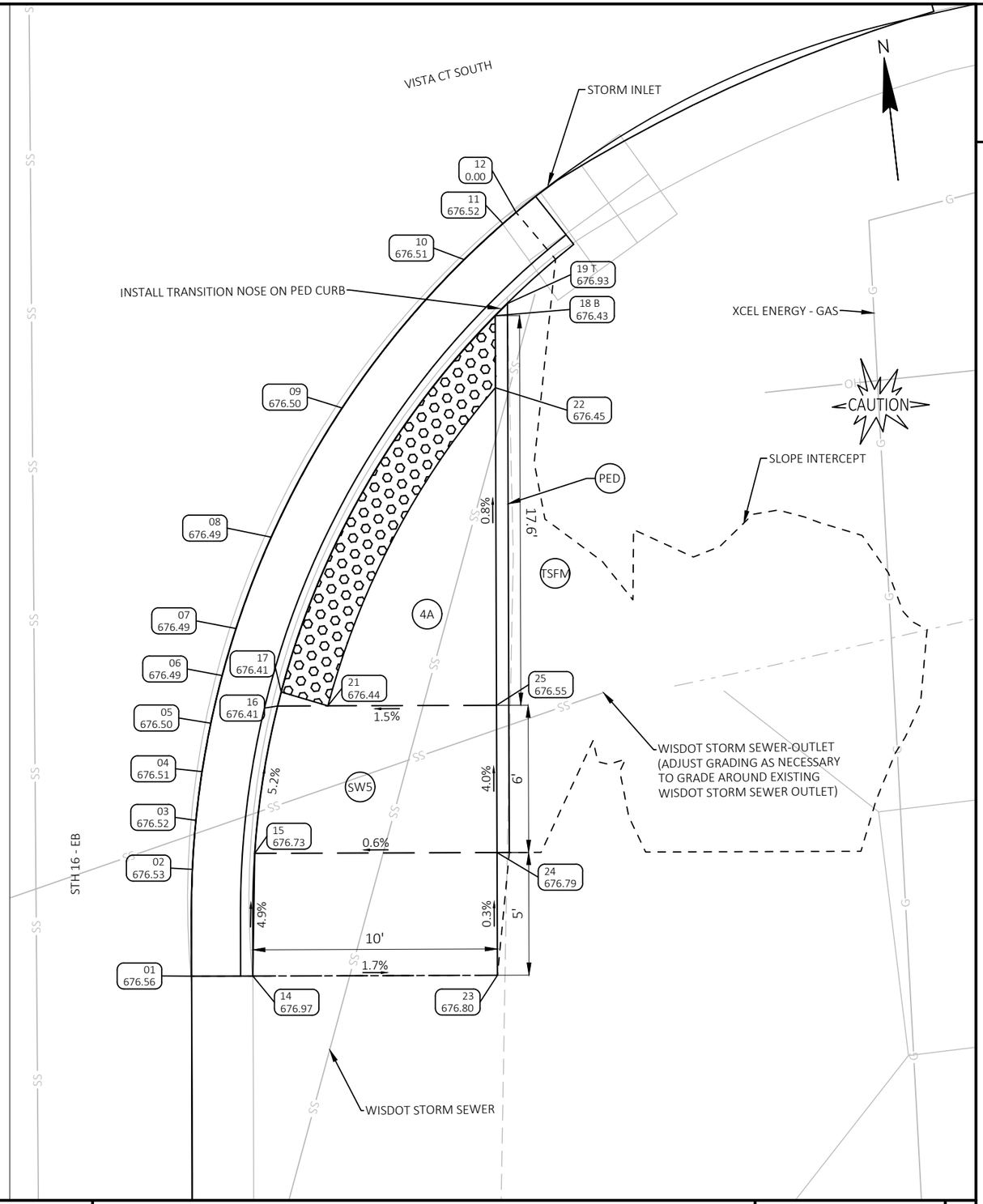
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
- XX XXXX.XX — POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	34.89 FT	13.87 FT	32.59 SF	17.64 FT

VISTA CT S - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
18 B	218+08.74	24.49' RT	676.43	139378.06	455202.28
01	217+82.12	12.02' RT	676.56	139352.85	455186.72
02	217+86.45	12.05' RT	676.53	139357.17	455187.29
03	217+88.43	12.19' RT	676.52	139359.13	455187.67
04	217+90.40	12.44' RT	676.51	139361.07	455188.16
05	217+92.36	12.80' RT	676.50	139362.99	455188.75
06	217+94.29	13.27' RT	676.49	139364.86	455189.45
07	217+96.19	13.84' RT	676.49	139366.69	455190.24
08	217+99.87	15.30' RT	676.49	139370.21	455192.13
09	218+05.08	18.22' RT	676.50	139375.09	455195.62
10	218+11.01	23.25' RT	676.51	139380.48	455201.30
11	218+12.44	24.85' RT	676.52	139381.74	455203.04
12	218+12.89	25.39' RT	0.00	139382.14	455203.63
14	217+82.13	14.52' RT	676.97	139352.55	455189.21
15	217+87.09	14.59' RT	676.73	139357.51	455189.89
16	217+93.05	15.53' RT	676.41	139363.35	455191.54
17	217+93.62	15.67' RT	676.41	139363.90	455191.76
19 T	218+09.22	25.00' RT	676.93	139378.49	455202.83
21	217+93.05	17.58' RT	676.44	139363.11	455193.58
22	218+05.84	24.47' RT	676.45	139375.14	455201.93
23	217+82.19	24.49' RT	676.80	139351.37	455199.10
24	217+87.13	24.46' RT	676.79	139356.34	455199.69
25	217+93.06	24.45' RT	676.55	139362.30	455200.40



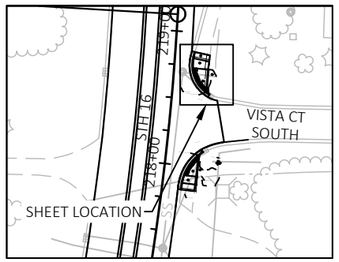
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - VISTA CT SOUTH- SE	SHEET 21	E

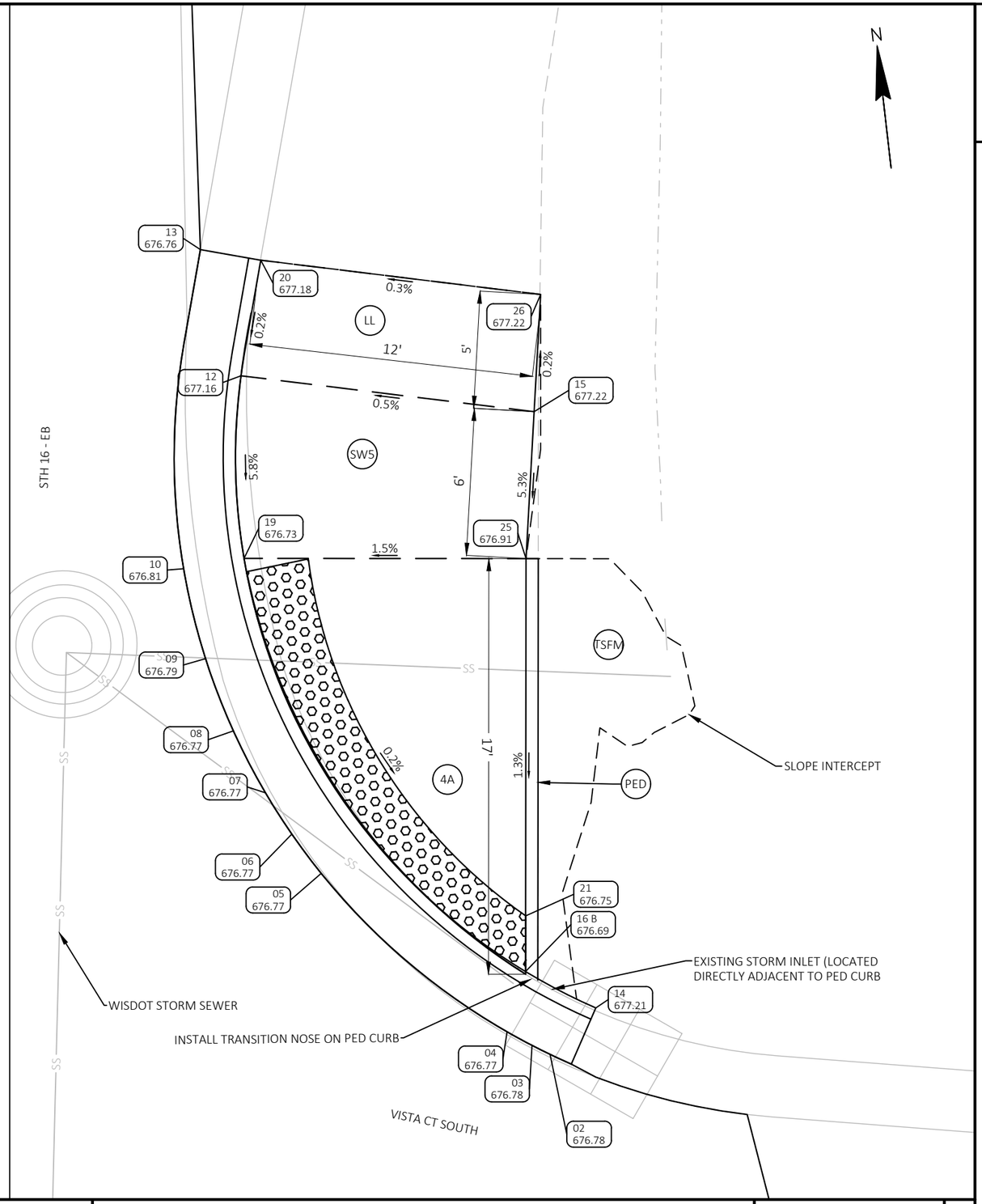
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
- XX XXXX.XX — POINT NUMBER & ELEVATION

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	19.71 FT	17.0 FT	42.0 SF	19.88 FT

VISTA CT S - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
02	218+53.04	26.35' RT	676.78	139422.52	455208.62
03	218+53.41	25.62' RT	676.78	139422.96	455207.92
04	218+53.95	24.60' RT	676.77	139423.59	455206.95
05	218+60.35	17.03' RT	676.77	139430.70	455199.98
06	218+61.95	15.84' RT	676.77	139432.40	455198.93
07	218+63.62	14.77' RT	676.77	139434.18	455198.00
08	218+66.14	13.47' RT	676.77	139436.81	455196.92
09	218+69.07	12.36' RT	676.79	139439.84	455196.06
10	218+72.72	11.50' RT	676.81	139443.57	455195.49
12	218+80.51	13.94' RT	677.16	139451.20	455198.52
13	218+85.65	12.36' RT	676.76	139456.47	455197.33
14	218+54.90	28.22' RT	677.21	139424.24	455210.65
15 T	218+78.90	25.87' RT	677.22	139448.68	455210.30
16 B	218+56.37	25.35' RT	676.69	139425.97	455207.92
19	218+73.12	13.97' RT	676.73	139443.77	455197.98
20	218+85.18	14.82' RT	677.18	139455.82	455199.75
21	218+58.61	25.36' RT	676.75	139428.23	455208.13
25	218+72.99	25.47' RT	676.91	139442.74	455209.44
26	218+83.61	26.21' RT	677.22	139453.41	455210.99



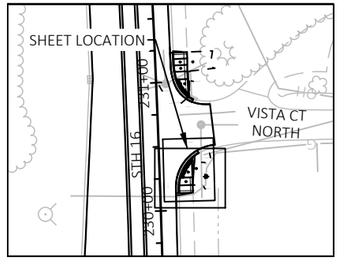


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - VISTA CT SOUTH - NE	SHEET 22	E

2

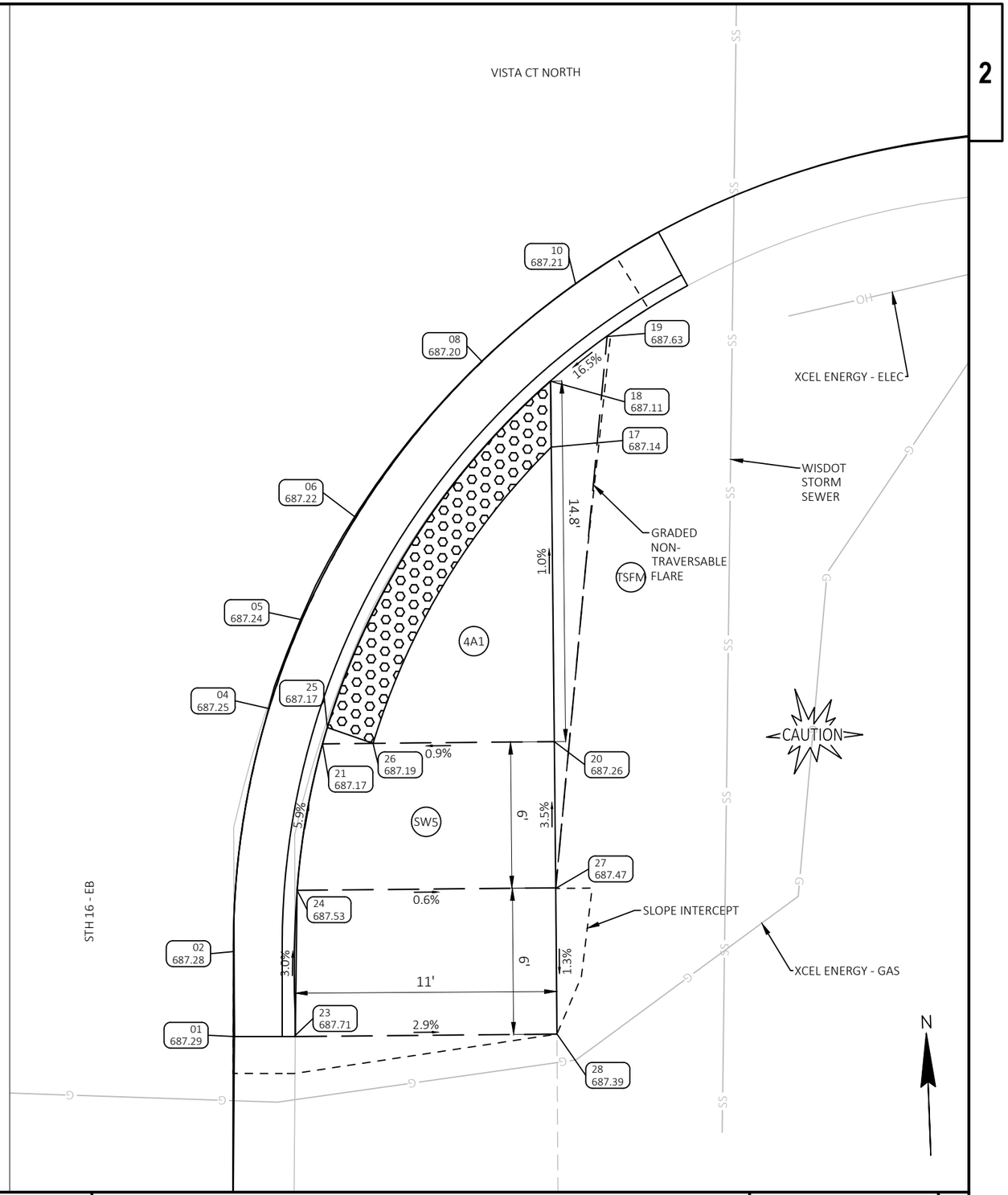
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
XX XXXX.XX	POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	26.93 FT	14.79 FT	31.42 SF	16.91 FT

VISTA CT N- SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01	230+13.37	12.27' RT	687.29	140584.92	455214.60
02	230+16.86	12.25' RT	687.28	140588.40	455214.46
04	230+26.80	13.80' RT	687.25	140598.40	455215.67
05	230+30.43	15.17' RT	687.24	140602.08	455216.91
06	230+34.59	17.43' RT	687.22	140606.33	455219.02
08	230+40.93	22.66' RT	687.20	140612.87	455224.02
10	230+44.09	26.53' RT	687.21	140616.17	455227.76
17	230+37.41	25.47' RT	687.14	140609.44	455226.95
18	230+40.11	25.46' RT	687.11	140612.14	455226.85
19	230+41.92	27.79' RT	687.63	140614.04	455229.10
20	230+25.36	25.49' RT	687.26	140597.37	455227.40
21	230+25.34	15.98' RT	687.17	140597.02	455217.90
23	230+13.36	14.72' RT	687.71	140584.98	455217.05
24	230+19.35	14.89' RT	687.53	140590.98	455217.01
25	230+26.01	16.18' RT	687.17	140597.69	455218.07
26	230+25.34	18.05' RT	687.19	140597.10	455219.96
27	230+19.35	25.50' RT	687.47	140591.35	455227.62
28	230+13.39	25.51' RT	687.39	140585.38	455227.83



2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - VISTA CT NORTH - SE	SHEET 23	E

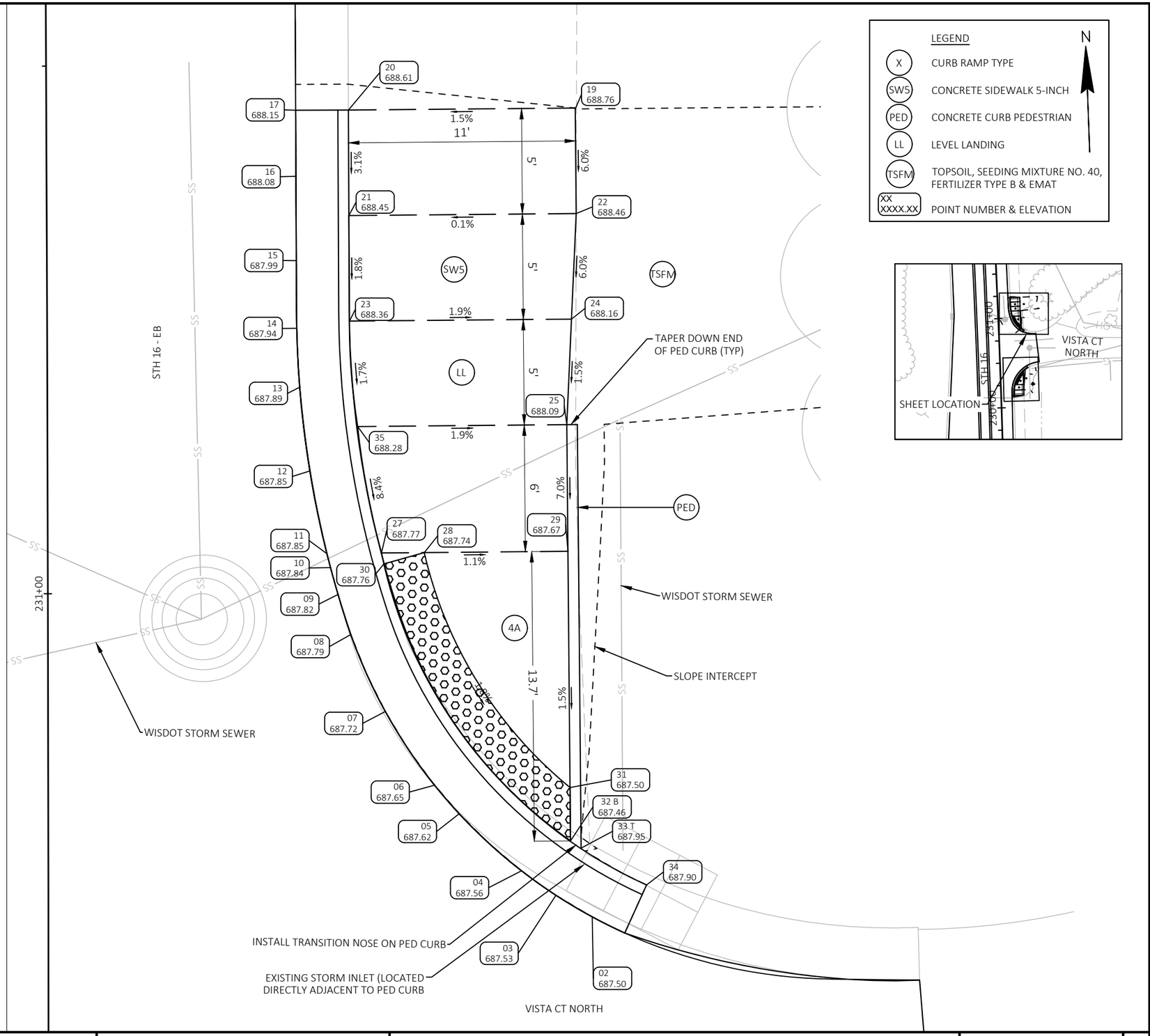
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021301_CR_SOUTH.DWG
LAYOUT NAME - 09-VistaCtN-SE

PLOT DATE : 7/11/2024 2:08 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

VISTA CT N- NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
32 B	230+88.26	24.74' RT	687.46	140660.33	455224.26
02	230+84.66	25.76' RT	687.50	140656.78	455225.43
03	230+85.68	24.04' RT	687.53	140657.73	455223.67
04	230+86.84	22.41' RT	687.56	140658.83	455222.00
05	230+89.55	19.46' RT	687.62	140661.41	455218.94
06	230+90.90	18.31' RT	687.65	140662.72	455217.73
07	230+94.39	15.97' RT	687.72	140666.12	455215.26
08	230+98.04	14.34' RT	687.79	140669.70	455213.48
09	230+99.93	13.74' RT	687.82	140671.57	455212.80
10	231+01.20	13.39' RT	687.84	140672.83	455212.40
11	231+01.87	13.22' RT	687.85	140673.48	455212.20
12	231+05.78	12.42' RT	687.85	140677.36	455211.24
13	231+09.75	11.95' RT	687.89	140681.31	455210.60
14	231+12.54	11.83' RT	687.94	140684.10	455210.36
15	231+15.74	11.82' RT	687.99	140687.30	455210.21
16	231+19.73	11.81' RT	688.08	140691.29	455210.03
17	231+22.86	11.81' RT	688.15	140694.42	455209.90
19	231+22.86	25.06' RT	688.76	140695.00	455223.13
20	231+22.86	14.31' RT	688.61	140694.52	455212.39
21	231+17.86	14.31' RT	688.45	140689.53	455212.61
22	231+17.92	25.08' RT	688.46	140690.05	455223.37
23	231+12.87	14.33' RT	688.36	140684.53	455212.84
24	231+12.93	24.84' RT	688.16	140685.04	455223.34
25	231+07.94	24.60' RT	688.09	140680.03	455223.31
27	231+01.89	15.81' RT	687.77	140673.61	455214.78
28	231+01.91	17.83' RT	687.74	140673.71	455216.80
29	231+01.95	24.64' RT	687.67	140674.04	455223.60
30	231+01.37	15.92' RT	687.76	140673.10	455214.91
31	230+90.78	24.72' RT	687.50	140662.86	455224.14
33 T	230+87.91	25.24' RT	687.95	140660.01	455224.78
34	230+86.17	28.33' RT	687.90	140658.39	455227.94
35	231+07.88	14.69' RT	688.28	140679.56	455213.42

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	21.16 FT	13.72 FT	29.47 SF	15.82 FT

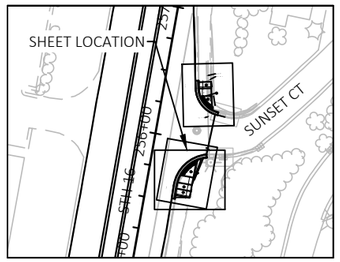


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - VISTA CT NORTH - NE	SHEET 24	E

2

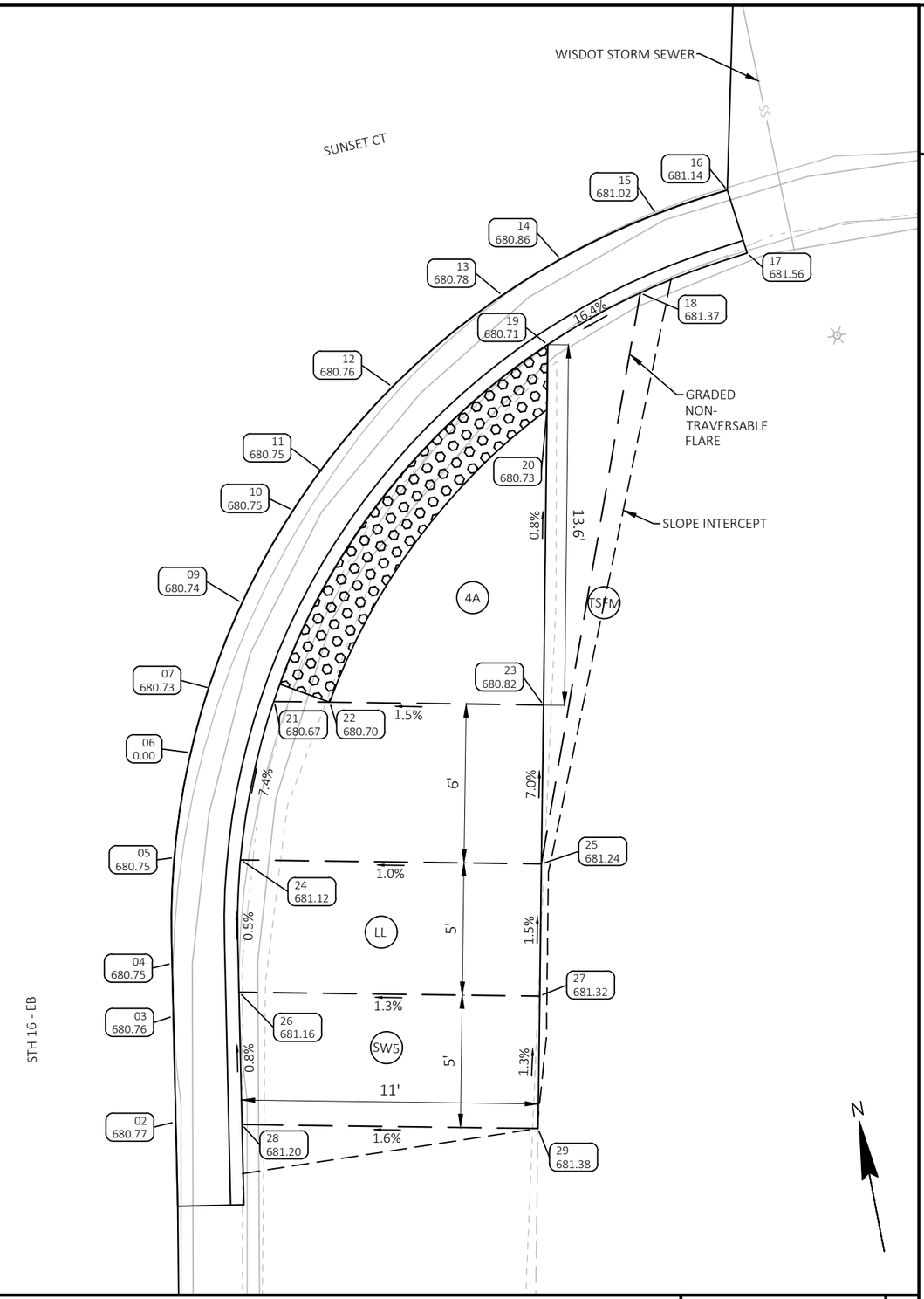
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & EMAT
XX XXXX.XX	POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	26.27 FT	13.62 FT	30.74 SF	16.34 FT

SUNSET-CT-SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
01 (95)	255+71.51	24.98' RT	680.67	143126.50	455156.90
02	255+55.63	21.22' RT	680.77	143111.53	455150.42
03	255+59.63	21.16' RT	680.76	143115.47	455151.06
04	255+61.63	21.13' RT	680.75	143117.45	455151.37
05	255+65.63	21.21' RT	680.75	143121.37	455152.16
06	255+69.58	21.83' RT	0.00	143125.15	455153.47
07	255+72.01	22.56' RT	680.73	143127.41	455154.61
09	255+75.24	23.77' RT	680.74	143130.38	455156.37
10	255+78.74	25.71' RT	680.75	143133.49	455158.89
11	255+80.14	26.88' RT	680.75	143134.66	455160.29
12	255+83.40	29.46' RT	680.76	143137.42	455163.41
13	255+86.85	33.63' RT	680.78	143140.07	455168.11
14	255+88.22	35.82' RT	680.86	143141.04	455170.51
15	255+89.92	39.44' RT	681.02	143142.08	455174.38
16	255+90.83	42.13' RT	681.14	143142.50	455177.18
17	255+88.44	42.88' RT	681.56	143140.02	455177.50
18	255+86.94	38.83' RT	681.37	143139.25	455173.25
19	255+84.99	35.33' RT	680.71	143137.95	455169.47
20	255+82.53	35.30' RT	680.73	143135.53	455169.00
21	255+71.51	24.98' RT	680.67	143126.50	455156.90
22	255+71.48	27.08' RT	680.70	143126.10	455158.96
23	255+71.37	35.17' RT	680.82	143124.57	455166.91
24	255+65.53	23.71' RT	681.12	143120.83	455154.61
25	255+65.37	35.08' RT	681.24	143118.68	455165.77
26	255+60.53	23.65' RT	681.16	143115.92	455153.66
27	255+60.37	35.01' RT	681.32	143113.77	455164.82
28	255+55.53	23.75' RT	681.20	143110.98	455152.89
29	255+55.37	34.94' RT	681.38	143108.86	455163.87



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - SUNSET CT SE	SHEET 25	E

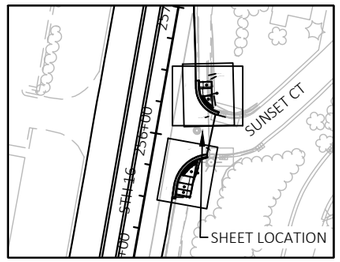
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021301_CR_SOUTH.DWG
LAYOUT NAME - 11-SunsetCt-SE

PLOT DATE : 7/18/2024 8:40 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

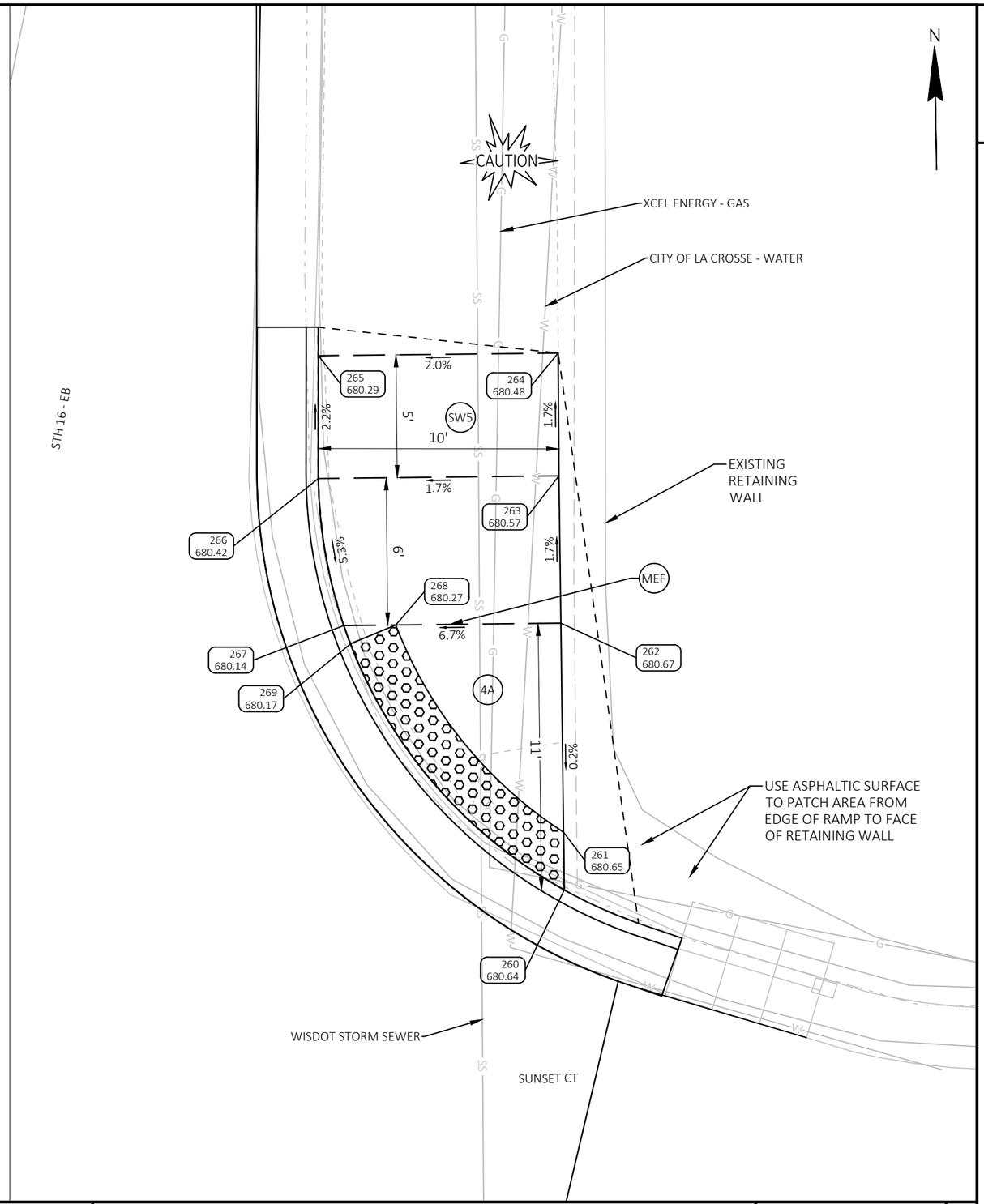
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- MEF — MAXIMUM EXTENT FEASIBLE
- XX XXXX.XX — POINT NUMBER & ELEVATION



SUNSET CT - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
260	256+25.96	40.23' RT	680.64	143177.42	455181.49
261	256+28.26	39.74' RT	680.65	143179.77	455181.41
262	256+36.58	37.94' RT	680.67	143188.27	455181.10
263	256+42.44	36.66' RT	680.57	143194.27	455180.88
264	256+47.34	35.64' RT	680.48	143199.27	455180.73
265	256+45.29	26.10' RT	680.29	143198.93	455170.97
266	256+40.39	27.09' RT	680.42	143193.93	455171.09
267	256+34.72	29.29' RT	680.14	143187.97	455172.26
268	256+35.17	31.36' RT	680.27	143188.04	455174.38
269	256+34.06	29.72' RT	680.17	143187.24	455172.57

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	19.50 FT	10.86 FT	24.60 SF	13.28 FT

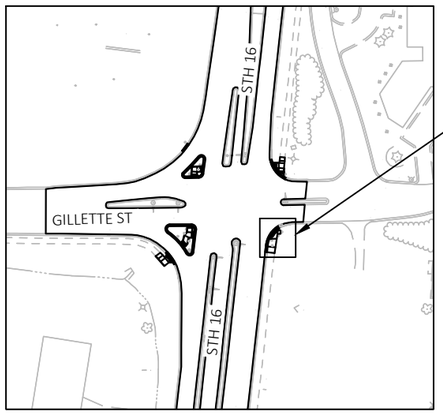


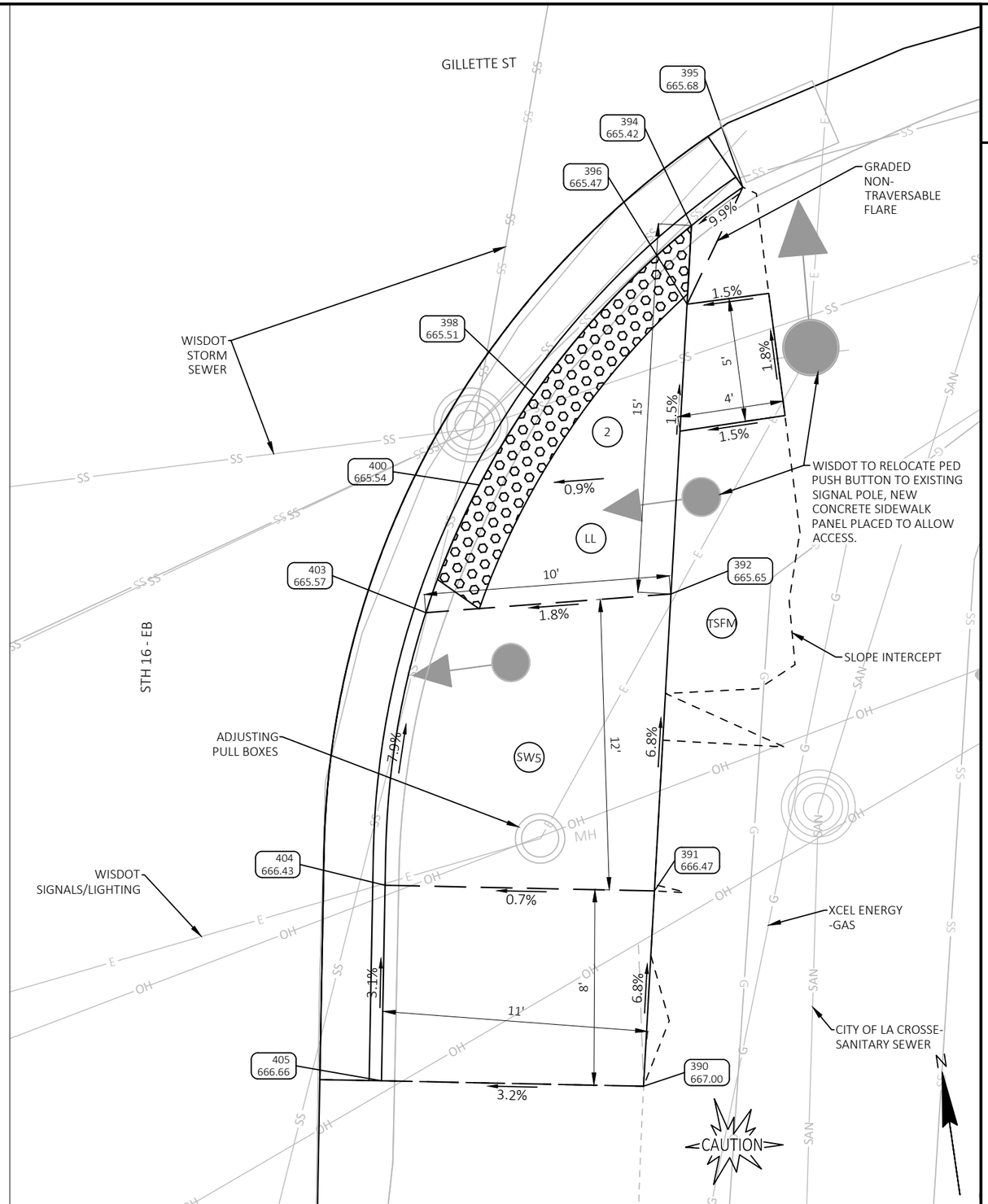
LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- XX XXXX.XX — POINT NUMBER & ELEVATION

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	31.29 FT	15.0 FT	33.36 SF	17.66 FT

GILLETTE - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
390	270+32.66	37.36' RT	667.00	144565.49	455415.49
391	270+40.59	37.67' RT	666.47	144573.28	455416.97
392	270+52.64	38.14' RT	665.65	144585.13	455419.23
394	270+67.59	38.72' RT	665.42	144599.83	455422.02
395	270+69.18	40.78' RT	665.68	144601.10	455424.29
396	270+64.40	38.60' RT	665.47	144596.69	455421.42
398	270+60.62	32.46' RT	665.51	144593.87	455414.79
400	270+56.93	30.30' RT	665.54	144590.53	455412.11
403	270+51.72	28.21' RT	665.57	144585.69	455409.27
404	270+40.63	26.74' RT	666.43	144574.95	455406.17
405	270+32.71	26.73' RT	666.66	144567.11	455404.99

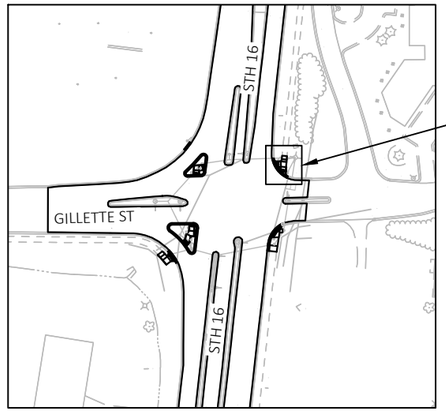




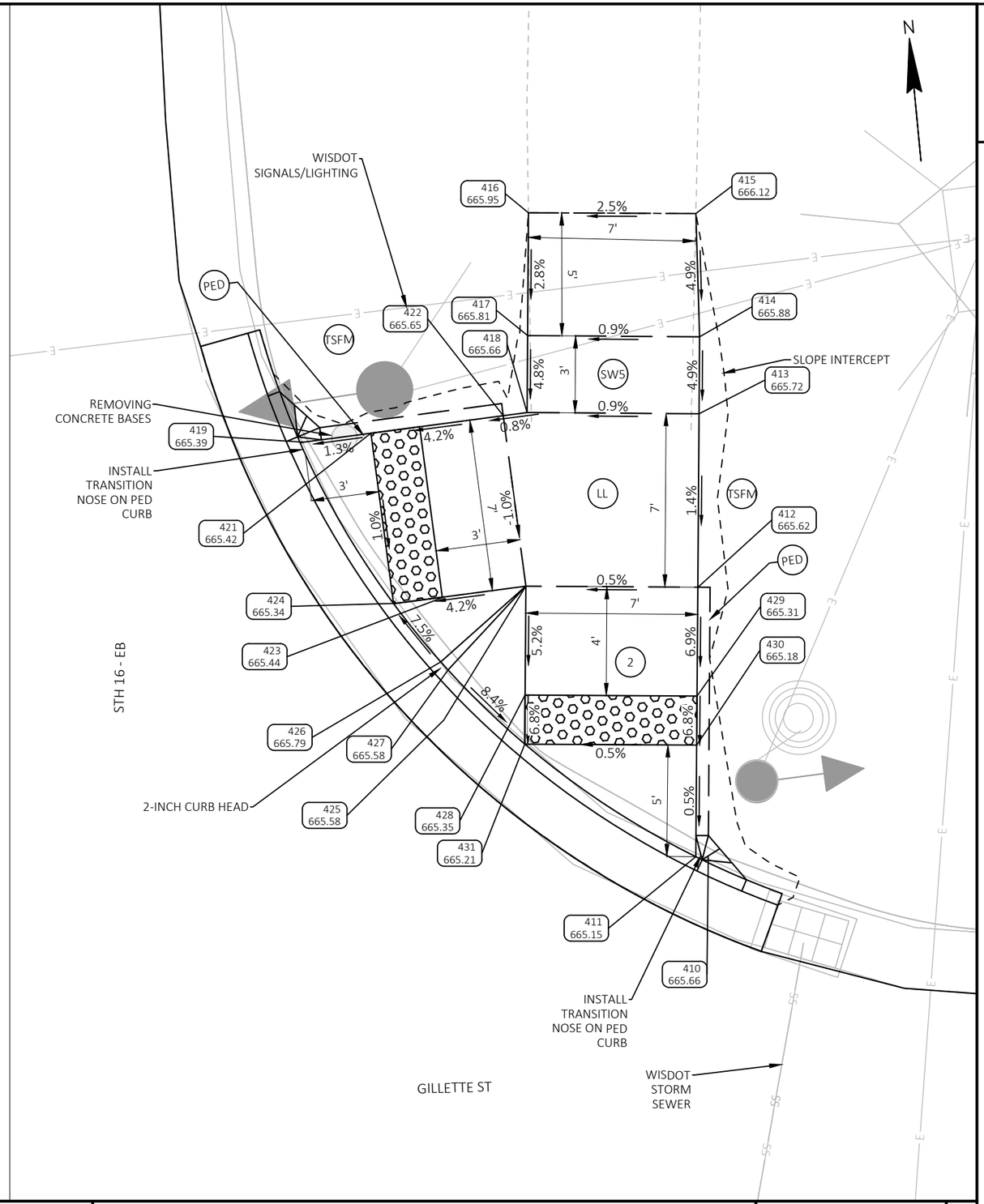
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - GILLETTE ST - SE	SHEET 27	E

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- XX XXXX.XX — POINT NUMBER & ELEVATION



GILLETTE - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
410	271+39.33	38.26' RT	665.66	144670.85	455432.20
411	271+39.33	37.75' RT	665.15	144670.92	455431.70
412	271+50.30	37.64' RT	665.62	144681.79	455433.21
413	271+57.37	37.55' RT	665.66	144688.79	455434.17
414	271+60.50	37.51' RT	665.88	144691.89	455434.60
415	271+65.51	37.26' RT	666.12	144696.89	455435.10
416	271+65.42	30.45' RT	665.95	144697.80	455428.34
417	271+60.42	30.51' RT	665.82	144692.85	455427.66
418	271+57.28	30.55' RT	665.66	144689.75	455427.24
419	271+55.90	21.50' RT	665.39	144689.72	455418.08
421	271+56.32	24.21' RT	1330.98	144689.73	455420.82
422	271+57.14	29.58' RT	1331.04	144689.74	455426.26
423	271+49.71	27.32' RT	665.44	144682.74	455422.92
424	271+49.41	25.34' RT	665.34	144682.73	455420.92
425	271+50.22	30.63' RT	665.58	144682.74	455426.27
426	271+47.07	27.22' RT	665.79	144680.13	455422.43
427	271+46.75	27.53' RT	665.58	144679.77	455422.69
428	271+45.78	30.68' RT	665.20	144678.35	455425.66
429	271+45.87	37.68' RT	665.20	144677.40	455432.59
430	271+43.87	37.70' RT	665.18	144675.42	455432.32
431	271+43.78	30.71' RT	665.21	144676.37	455425.39

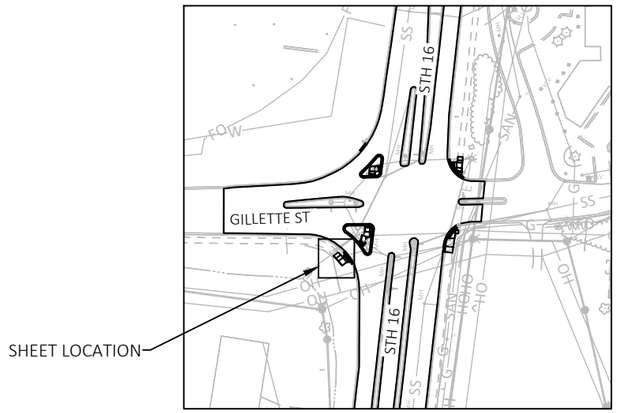


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - GILLETTE ST - NE	SHEET 28	E

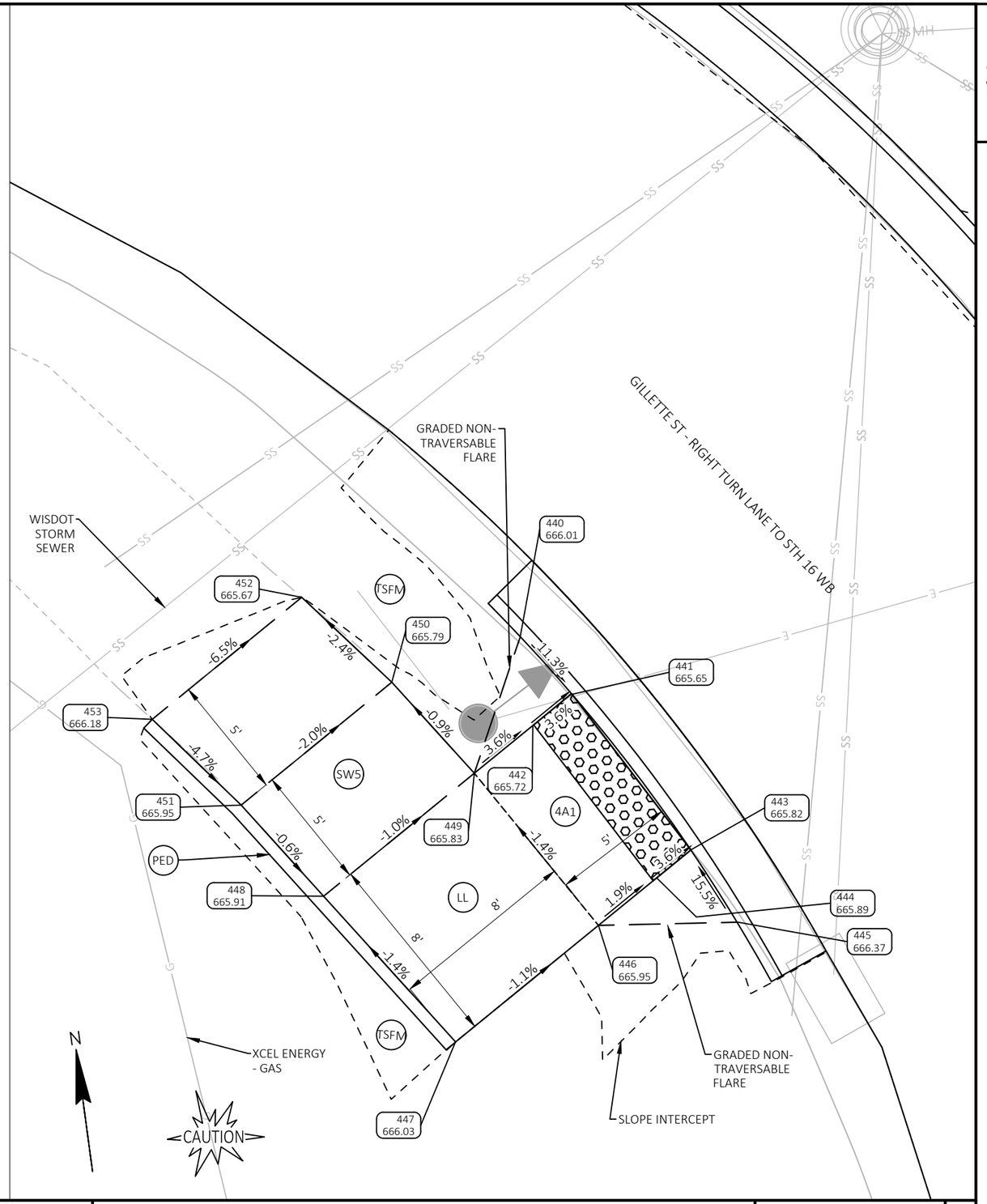
2

LEGEND

- (X) CURB RAMP TYPE
- (SW5) CONCRETE SIDEWALK 5-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- (LL) LEVEL LANDING
- (TSFM) TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- (XX XXXX.XX) POINT NUMBER & ELEVATION



GILLETTE - SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
440	270+15.38	110.74' LT	666.01	144570.36	455266.47
441	270+13.20	108.50' LT	665.65	144567.87	455268.36
442	270+11.81	109.94' LT	665.72	144566.71	455266.73
443	270+07.30	103.09' LT	665.82	144561.23	455272.84
444	270+06.04	104.40' LT	665.89	144560.18	455271.36
445	270+04.51	100.95' LT	666.37	144558.16	455274.54
446	270+03.91	106.60' LT	665.95	144558.41	455268.86
447	269+98.70	112.02' LT	666.03	144554.05	455262.73
448	270+04.19	117.86' LT	665.91	144560.34	455257.77
449	270+09.68	112.15' LT	665.83	144564.93	455264.23
450	270+13.10	115.81' LT	665.79	144568.86	455261.12
451	270+07.61	121.51' LT	665.95	144564.27	455254.66
452	270+16.25	119.75' LT	665.67	144572.55	455257.69
453	270+10.80	125.41' LT	666.18	144568.00	455251.28

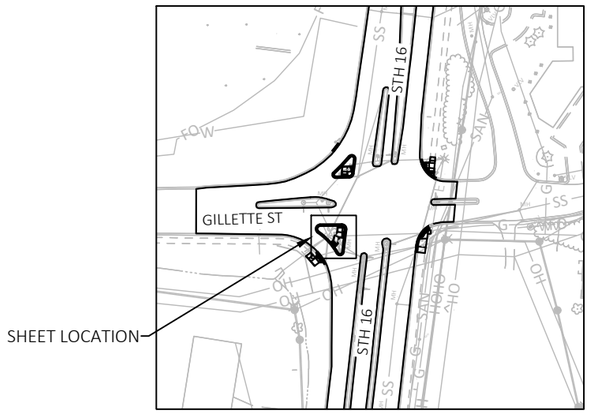


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - GILLETTE ST - SW	SHEET 29	E

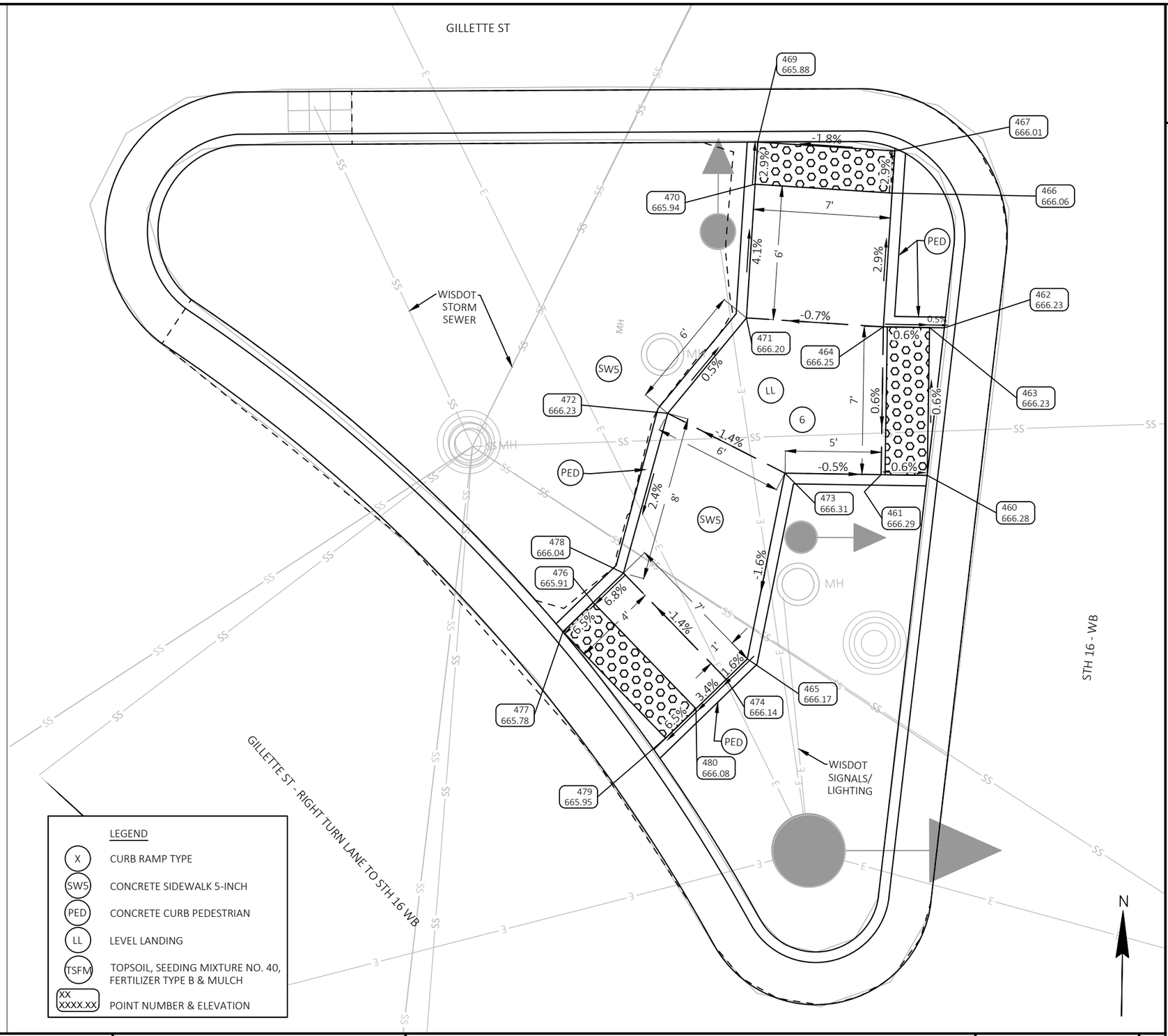
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021302_CR_SOUTH.DWG
LAYOUT NAME - 15-GILLETTE SW

PLOT DATE : 7/17/2024 2:31 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42



GiLLETTE - SW ISLAND					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
460	270+42.03	76.48' LT	666.28	144591.63	455304.30
461	270+41.83	78.66' LT	0.00	144591.76	455302.12
462	270+49.07	76.43' LT	0.00	144598.58	455305.40
463	270+49.00	77.12' LT	0.00	144598.62	455304.70
464	270+48.80	79.30' LT	666.26	144598.75	455302.51
465	270+32.47	84.02' LT	0.00	144583.30	455295.43
466	270+55.14	79.58' LT	0.00	144605.06	455303.18
467	270+57.14	79.66' LT	666.01	144607.05	455303.39
469	270+56.86	86.16' LT	665.88	144607.73	455296.93
470	270+54.86	86.07' LT	0.00	144605.74	455296.72
471	270+48.52	85.80' LT	666.19	144599.44	455296.05
472	270+43.63	89.02' LT	0.00	144595.07	455292.14
473	270+41.41	83.20' LT	666.32	144592.02	455297.57
474	270+31.41	84.90' LT	665.87	144582.38	455294.40
476	270+34.35	91.56' LT	0.00	144586.27	455288.24
477	270+32.81	92.84' LT	665.78	144584.94	455286.75
478	270+35.88	90.29' LT	665.87	144587.60	455289.74
479	270+28.33	87.46' LT	0.00	144579.72	455291.41
480	270+29.87	86.18' LT	0.00	144581.05	455292.90



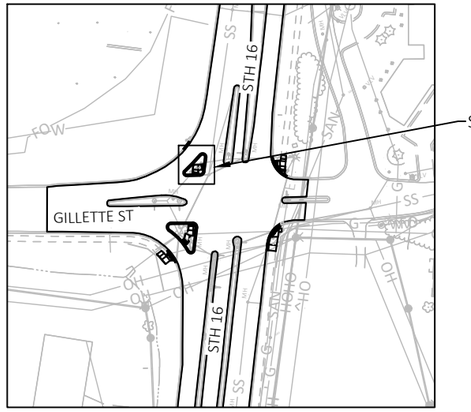
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
XX XXXX.XX	POINT NUMBER & ELEVATION

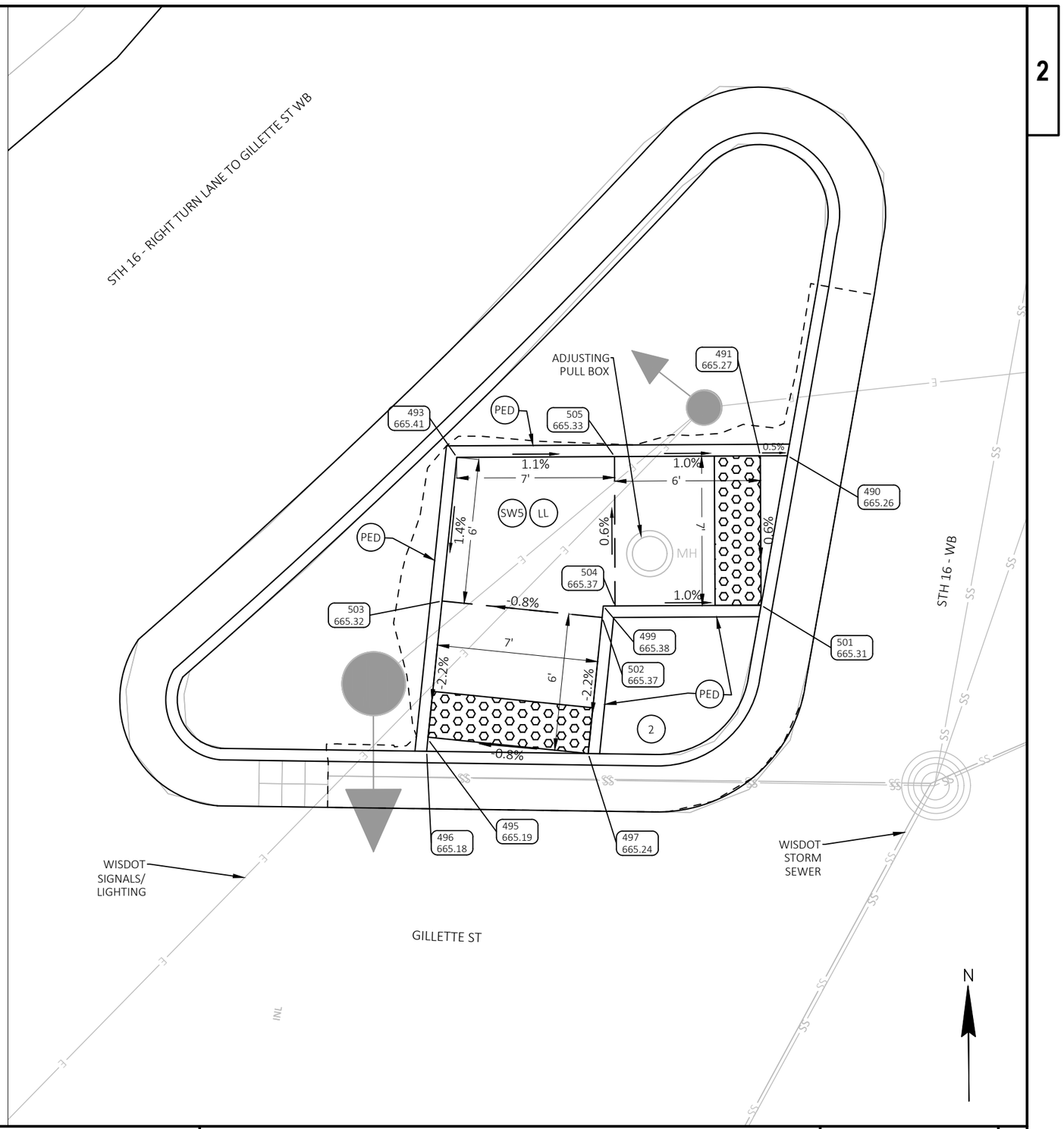
2

LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- XX XXXX.XX — POINT NUMBER & ELEVATION



GILLETTE - NW ISLAND					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
490	271+40.84	74.49' LT	665.26	144689.06	455320.92
491	271+40.67	75.65' LT	665.27	144689.06	455319.74
493	271+38.69	88.71' LT	665.44	144689.03	455306.54
495	271+26.37	88.18' LT	665.18	144676.78	455305.24
496	271+25.84	88.15' LT	665.18	144676.25	455305.19
497	271+26.76	81.19' LT	0.00	144676.13	455312.21
499	271+33.21	81.47' LT	0.00	144682.55	455312.89
501	271+34.24	74.68' LT	665.31	144682.56	455319.75
502	271+32.71	81.44' LT	-268.25	144682.05	455312.84
503	271+32.41	88.44' LT	665.60	144682.78	455305.88
504	271+33.28	80.96' LT	665.60	144682.54	455313.40
505	271+39.71	81.92' LT	665.60	144689.04	455313.40

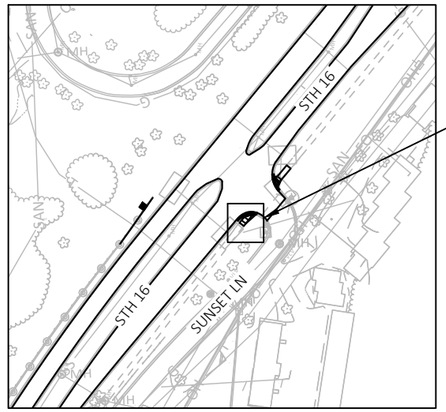


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - GILLETTE ST - NW ISLAND	SHEET 31	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021302_CR_SOUTH.DWG
LAYOUT NAME - 17-GILLETTE NW ISLAND
PLOT DATE : 7/17/2024 2:36 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

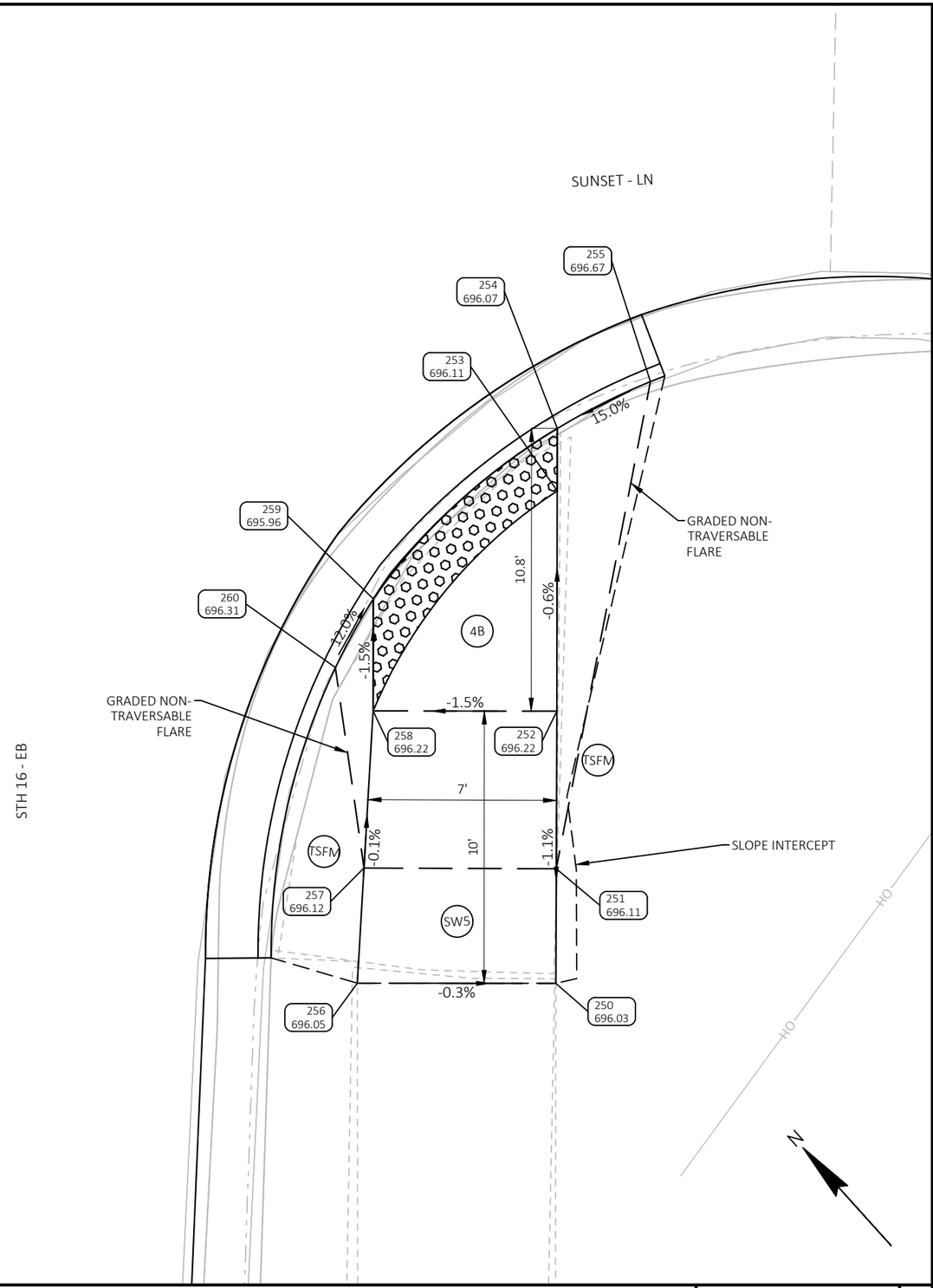
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
XX XXXX.XX	POINT NUMBER & ELEVATION



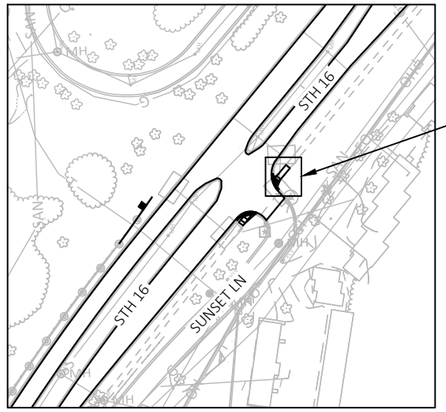
RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	19.61 FT	10.76 FT	20.43 SF	9.55 FT

Sunset LN -S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
250	304+48.01	37.74' RT	696.03	147736.08	456442.79
251	304+52.37	37.62' RT	696.11	147739.41	456445.60
252	304+58.37	37.45' RT	696.22	147744.00	456449.46
253	304+66.74	37.20' RT	696.11	147750.42	456454.85
254	304+69.12	37.13' RT	696.07	147752.25	456456.38
255	304+71.02	40.61' RT	0.00	147751.34	456460.24
256	304+47.77	30.19' RT	696.05	147740.93	456436.99
257	304+52.16	30.30' RT	696.12	147744.13	456440.00
258	304+58.15	30.46' RT	696.22	147748.50	456444.10
259	304+62.42	30.33' RT	695.96	147751.77	456446.84
260	304+59.76	28.97' RT	696.31	147750.69	456444.06

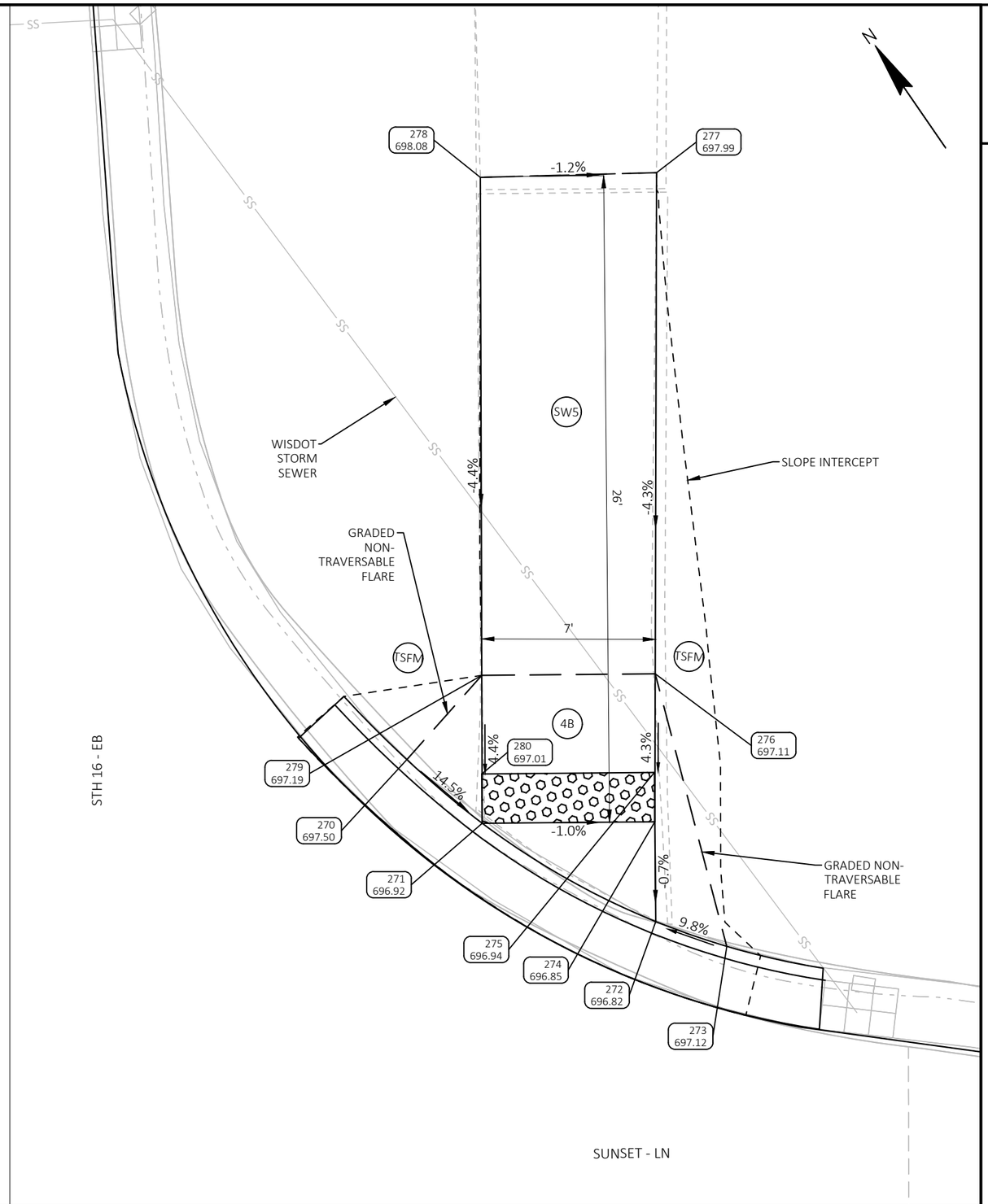


LEGEND

- X — CURB RAMP TYPE
- SW5 — CONCRETE SIDEWALK 5-INCH
- PED — CONCRETE CURB PEDESTRIAN
- LL — LEVEL LANDING
- TSFM — TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
- XX XXXX.XX — POINT NUMBER & ELEVATION



SUNSET LN-N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
270	305+26.97	27.04' RT	0.00	147802.13	456487.36
271	305+24.35	30.07' RT	696.92	147798.16	456487.87
272	305+20.28	37.06' RT	696.82	147790.47	456490.38
273	305+19.24	39.93' RT	697.12	147787.79	456491.83
274	305+24.34	37.07' RT	696.85	147793.49	456493.09
275	305+26.34	37.07' RT	696.94	147794.98	456494.42
276	305+30.33	37.15' RT	697.11	147797.91	456497.14
277	305+50.65	37.44' RT	697.99	147812.88	456510.88
278	305+50.55	30.29' RT	698.08	147817.56	456505.48
279	305+30.35	30.12' RT	697.19	147802.60	456491.90
280	305+26.35	30.07' RT	697.01	147799.65	456489.21



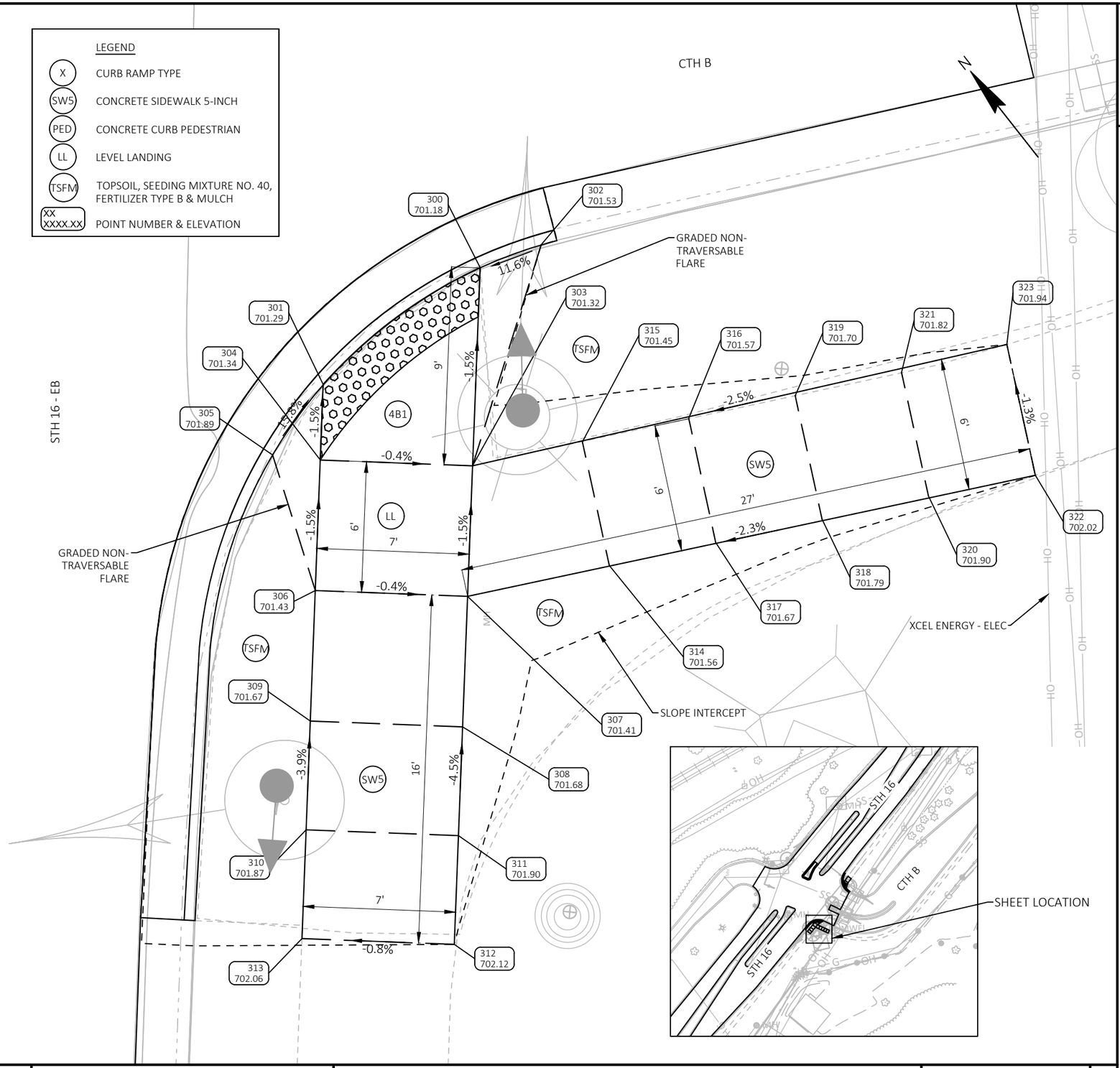
2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - SUNSET LN - NE	SHEET 33	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021302_CR_SOUTH.DWG
LAYOUT NAME - 19-SUNSET LN-NE
PLOT DATE : 7/17/2024 2:41 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	22.89 FT	9.10 FT	18.67 SF	9.00 FT

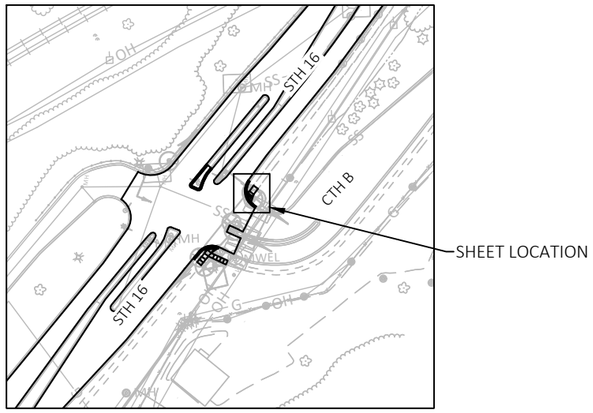
CTH B-S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	310+89.00	38.95' RT	701.18	148213.64	456870.34
301	310+83.37	31.94' RT	701.29	148214.10	456861.37
302	310+90.15	41.72' RT	701.53	148212.65	456873.17
303	310+79.88	38.94' RT	701.32	148206.85	456864.26
304	310+79.89	31.94' RT	701.34	148211.51	456859.05
305	310+80.05	29.74' RT	0.00	148213.09	456857.51
306	310+73.89	31.92' RT	701.43	148207.04	456855.04
307	310+73.88	38.92' RT	701.41	148202.37	456860.26
308	310+67.88	38.91' RT	701.68	148197.90	456856.26
309	310+67.89	31.91' RT	701.67	148202.57	456851.04
310	310+62.89	31.90' RT	701.87	148198.85	456847.71
311	310+62.88	38.90' RT	701.90	148194.18	456852.92
312	310+57.88	38.89' RT	702.12	148190.46	456849.59
313	310+57.89	31.89' RT	702.06	148195.12	456844.37
314	310+75.53	45.38' RT	701.56	148199.31	456866.18
315	310+81.18	43.95' RT	701.45	148204.48	456868.87
316	310+82.42	48.78' RT	701.57	148202.19	456873.30
317	310+76.77	50.22' RT	701.67	148197.01	456870.62
318	310+78.01	55.07' RT	701.79	148194.71	456875.06
319	310+83.64	53.63' RT	701.70	148199.87	456877.73
320	310+79.25	59.91' RT	701.90	148192.42	456879.50
321	310+84.88	58.47' RT	701.82	148197.57	456882.17
322	310+80.39	64.78' RT	702.02	148190.02	456883.89
323	310+86.35	63.26' RT	701.94	148195.48	456886.71



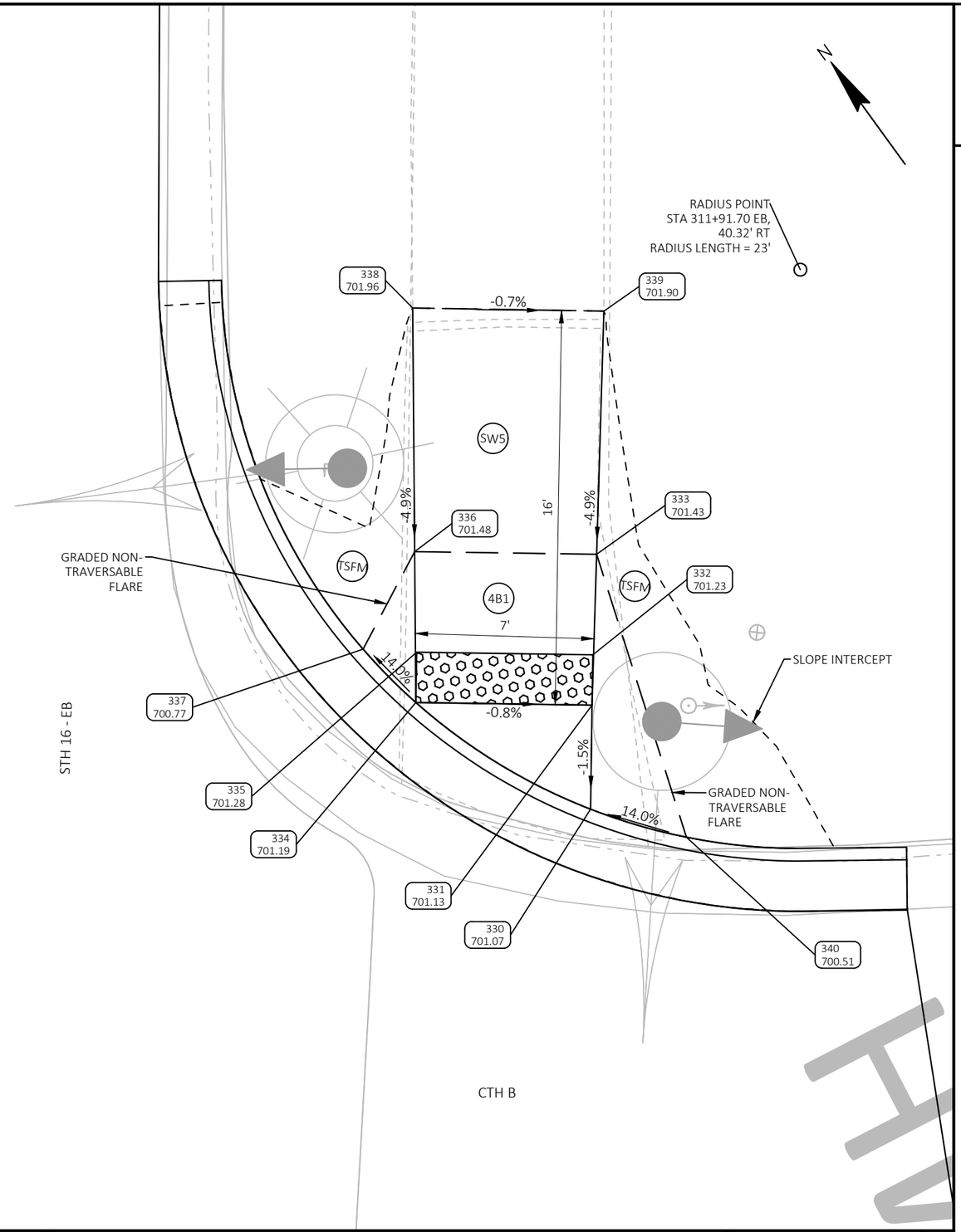
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - CTH B - SE	SHEET 34	E

LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
XX XXXX.XX	POINT NUMBER & ELEVATION



CTH B-N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
330	311+69.79	33.34' RT	701.07	148277.67	456919.93
331	311+73.92	33.14' RT	701.13	148280.88	456922.53
332	311+75.91	33.05' RT	701.23	148282.43	456923.79
333	311+79.91	32.95' RT	701.43	148285.48	456926.38
334	311+73.58	26.15' RT	701.19	148285.28	456917.09
335	311+75.58	26.06' RT	701.28	148286.84	456918.35
336	311+79.57	25.73' RT	701.48	148290.03	456920.76
337	311+75.57	23.93' RT	700.77	148288.25	456916.75
338	311+89.23	25.05' RT	701.96	148297.69	456926.68
339	311+89.57	32.64' RT	701.90	148292.90	456932.58
340	311+68.91	37.21' RT	0.00	148274.44	456922.23

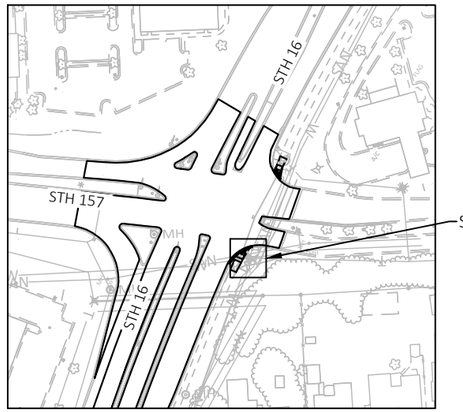


HV

2

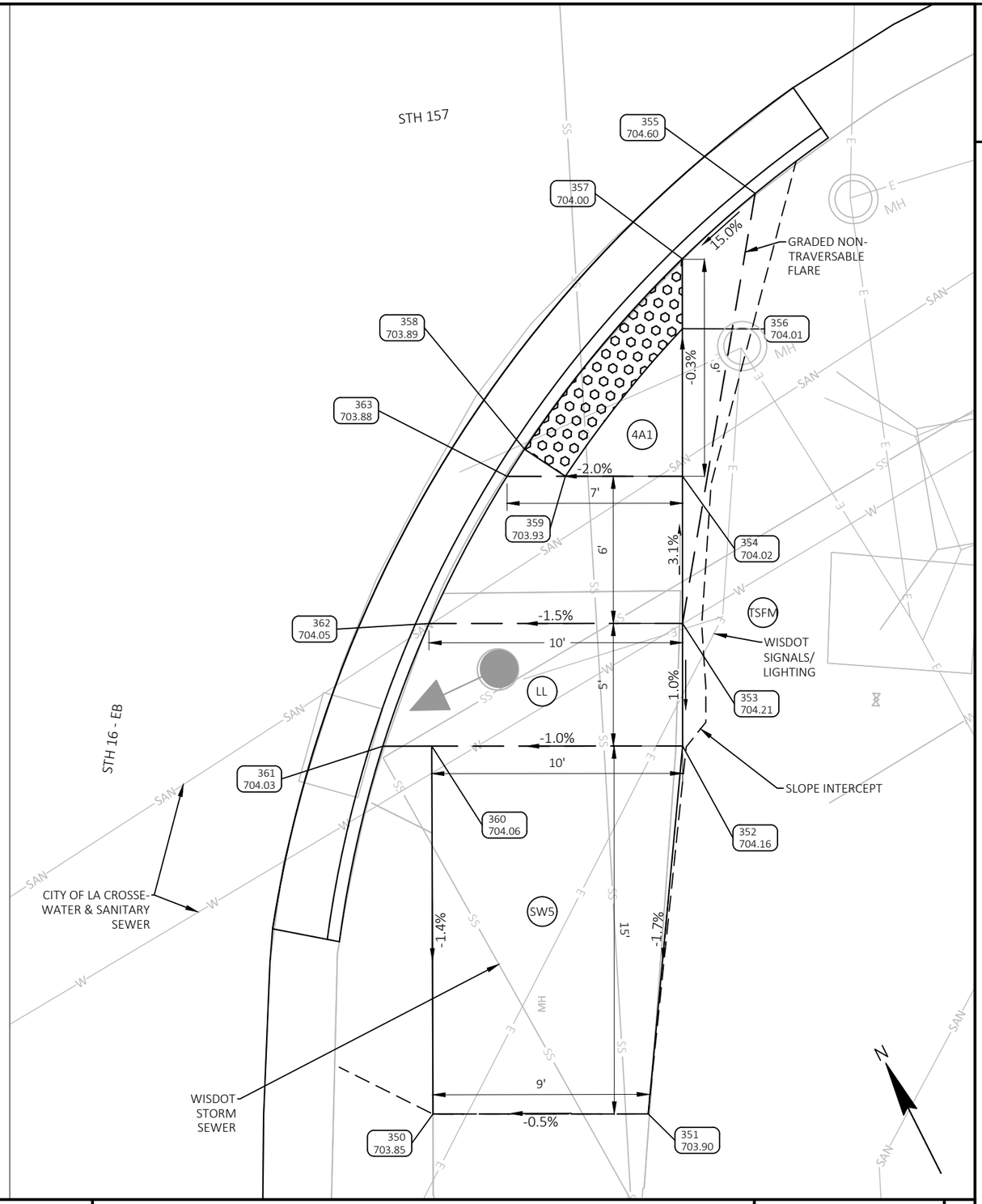
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
XX XXXX.XX	POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
SOUTHEAST	47.75 FT	8.87 FT	17.81 SF	10.08 FT

STH 157 - SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
350	344+52.99	30.16' RT	703.85	151309.79	458103.69
351	344+53.06	38.94' RT	703.90	151306.06	458111.64
352	344+68.08	40.23' RT	704.16	151319.03	458119.29
353	344+73.07	40.19' RT	704.21	151323.56	458121.42
354	344+79.34	40.12' RT	704.02	151328.99	458123.97
355	344+91.09	42.90' RT	0.00	151338.16	458131.56
356	344+85.44	40.03' RT	704.01	151334.44	458126.52
357	344+88.33	39.98' RT	704.00	151337.02	458127.74
358	344+80.36	33.66' RT	703.89	151332.73	458118.61
359	344+79.27	35.35' RT	703.93	151331.02	458119.64
360	344+67.99	30.00' RT	704.06	151323.38	458110.03
361	344+67.97	28.00' RT	704.03	151324.23	458108.22
362	344+72.99	29.84' RT	704.05	151327.95	458112.06
363	344+79.23	32.97' RT	703.88	151332.03	458117.49

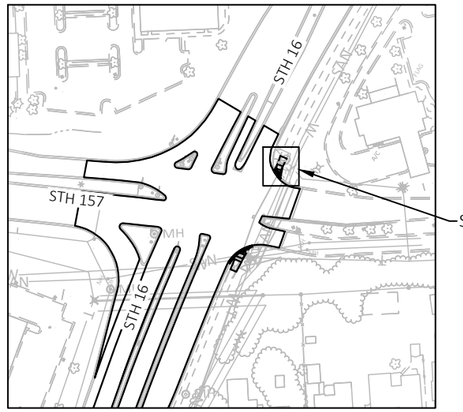


2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - STH 157 - SE	SHEET 36	E

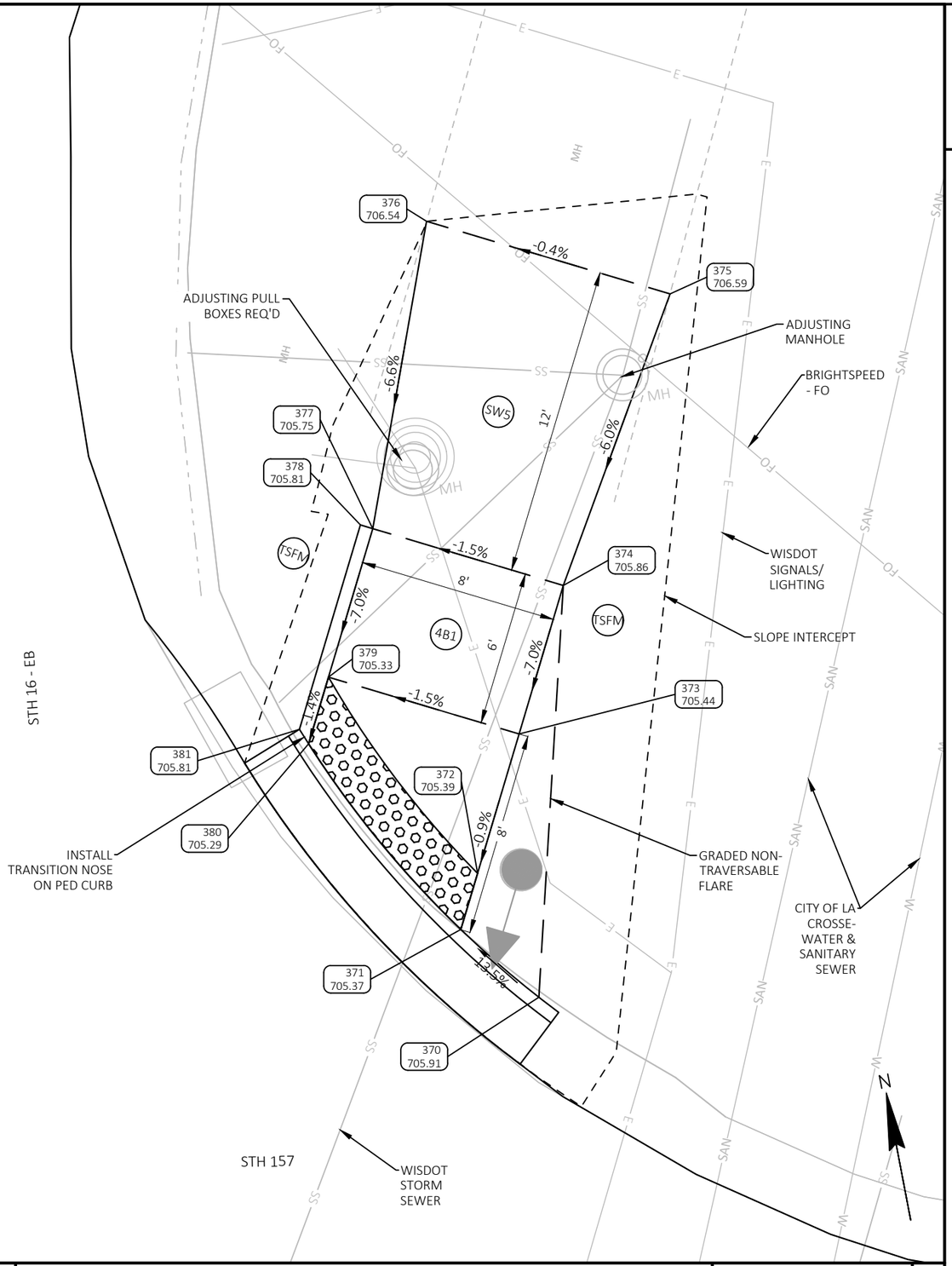
LEGEND

X	CURB RAMP TYPE
SW5	CONCRETE SIDEWALK 5-INCH
PED	CONCRETE CURB PEDESTRIAN
LL	LEVEL LANDING
TSFM	TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B & MULCH
XX XXXX.XX	POINT NUMBER & ELEVATION



RADIAL WARNING FIELD PANEL LAYOUT TABLE				
QUADRANT	BACK OF CURB RADIUS	LANDING LENGTH 'XR'	RADIAL WARNING FIELD AREA	RADIAL LONG CHORD
NORTHEAST	35.93 FT	7.90 FT	18.88 SF	9.30 FT

STH 157 - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
370	345+98.45	40.51' RT	0.00	151433.27	458177.97
371	346+00.02	36.82' RT	705.37	151436.38	458175.46
372	346+02.32	36.75' RT	705.39	151438.41	458176.48
373	346+08.02	36.58' RT	705.44	151443.44	458179.02
374	346+14.09	36.38' RT	705.86	151448.79	458181.72
375	346+26.27	36.69' RT	706.59	151459.18	458187.78
376	346+25.89	26.85' RT	706.54	151463.61	458178.99
377	346+13.83	28.68' RT	705.75	151452.26	458174.84
378	346+13.82	28.18' RT	705.81	151452.49	458174.39
379	346+07.77	28.88' RT	705.33	151446.91	458172.14
380	346+05.05	28.96' RT	705.29	151444.50	458170.92
381	346+05.48	28.45' RT	705.81	151445.12	458170.67



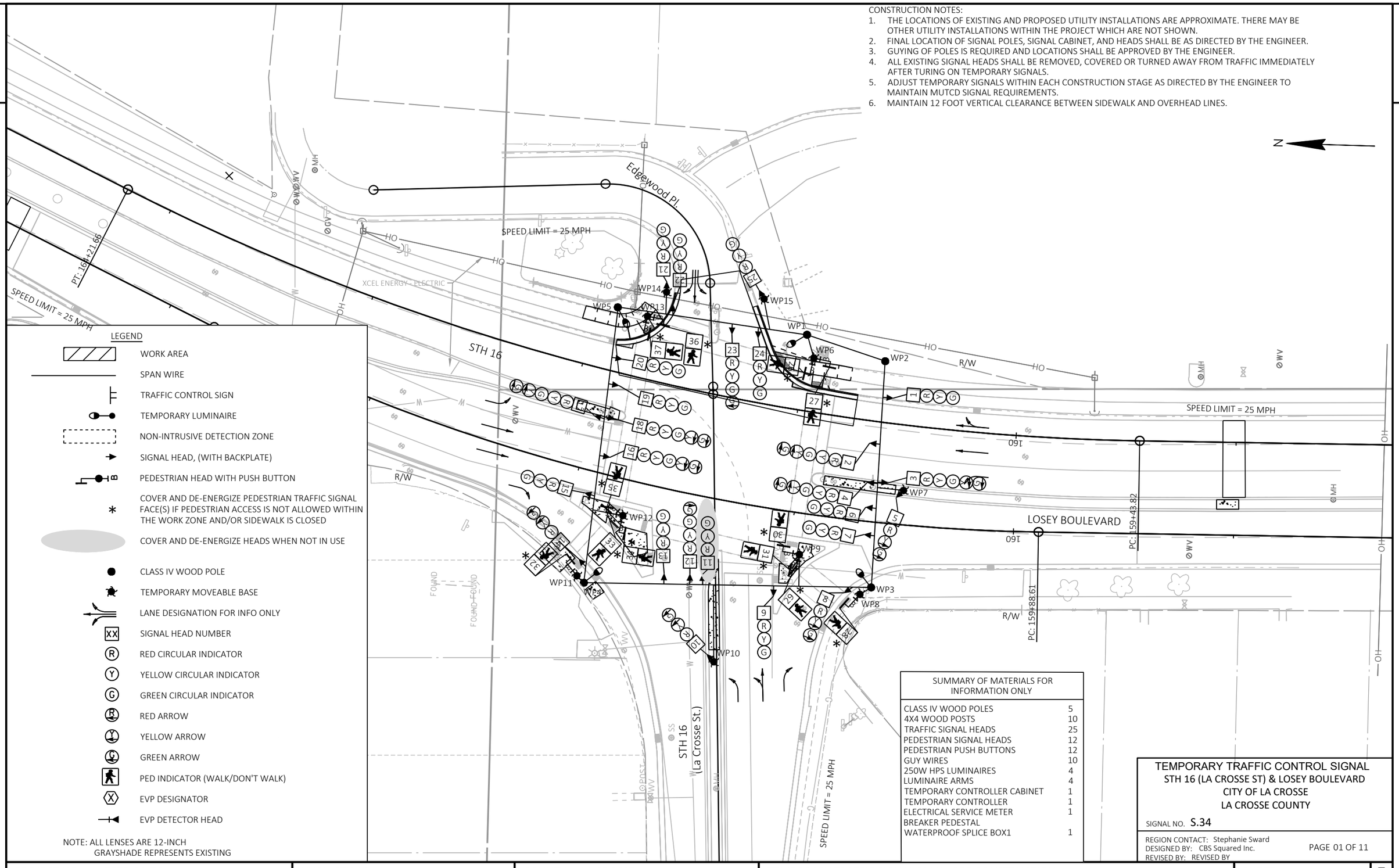
2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	CURB RAMP DETAILS - STH 157 - NE	SHEET 37 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021302_CR_SOUTH.DWG
LAYOUT NAME - 23-STH 157-NE
PLOT DATE : 7/17/2024 2:50 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, AND HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
3. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
4. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURING ON TEMPORARY SIGNALS.
5. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
6. MAINTAIN 12 FOOT VERTICAL CLEARANCE BETWEEN SIDEWALK AND OVERHEAD LINES.



LEGEND

- WORK AREA
- SPAN WIRE
- TRAFFIC CONTROL SIGN
- TEMPORARY LUMINAIRE
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD, (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- * COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED
- COVER AND DE-ENERGIZE HEADS WHEN NOT IN USE
- CLASS IV WOOD POLE
- TEMPORARY MOVEABLE BASE
- LANE DESIGNATION FOR INFO ONLY
- 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
- PED INDICATOR (WALK/DON'T WALK)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

SUMMARY OF MATERIALS FOR INFORMATION ONLY

CLASS IV WOOD POLES	5
4X4 WOOD POSTS	10
TRAFFIC SIGNAL HEADS	25
PEDESTRIAN SIGNAL HEADS	12
PEDESTRIAN PUSH BUTTONS	12
GUY WIRES	10
250W HPS LUMINAIRES	4
LUMINAIRE ARMS	4
TEMPORARY CONTROLLER CABINET	1
TEMPORARY CONTROLLER	1
ELECTRICAL SERVICE METER	1
BREAKER PEDESTAL	
WATERPROOF SPLICE BOX1	1

TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

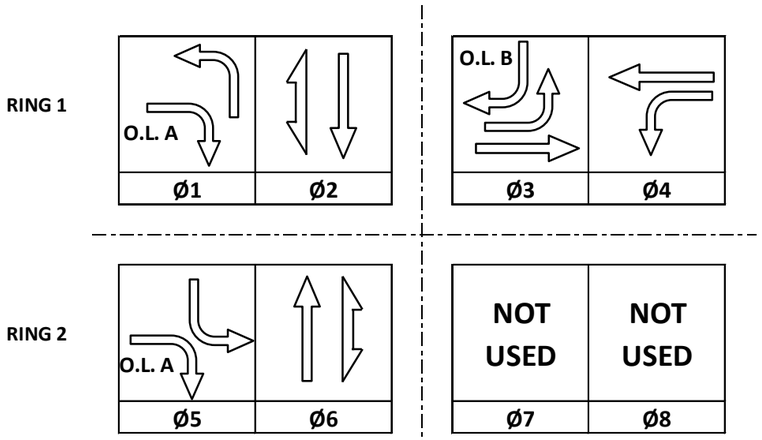
SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE CONSTRUCTION	SHEET E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024101-ST_PRE.DWG
LAYOUT NAME - 024101-st_pre
PLOT DATE : 7/29/2024 3:55 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	3,16,18	R ←
Ø2	6,7,15	R
Ø3	9,23,24	R ←
Ø4	111,12,21,22,25	R
Ø5	2,4,17	R ←
Ø6	1,19,20	R
Ø7		
Ø8		
Ø2P	28,29,31,34	
Ø3P	27,30	
Ø4P	32,33,35,36	
Ø6P	26,37	
OLA	4,7	-
OLB	9,12	-
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

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

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

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	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

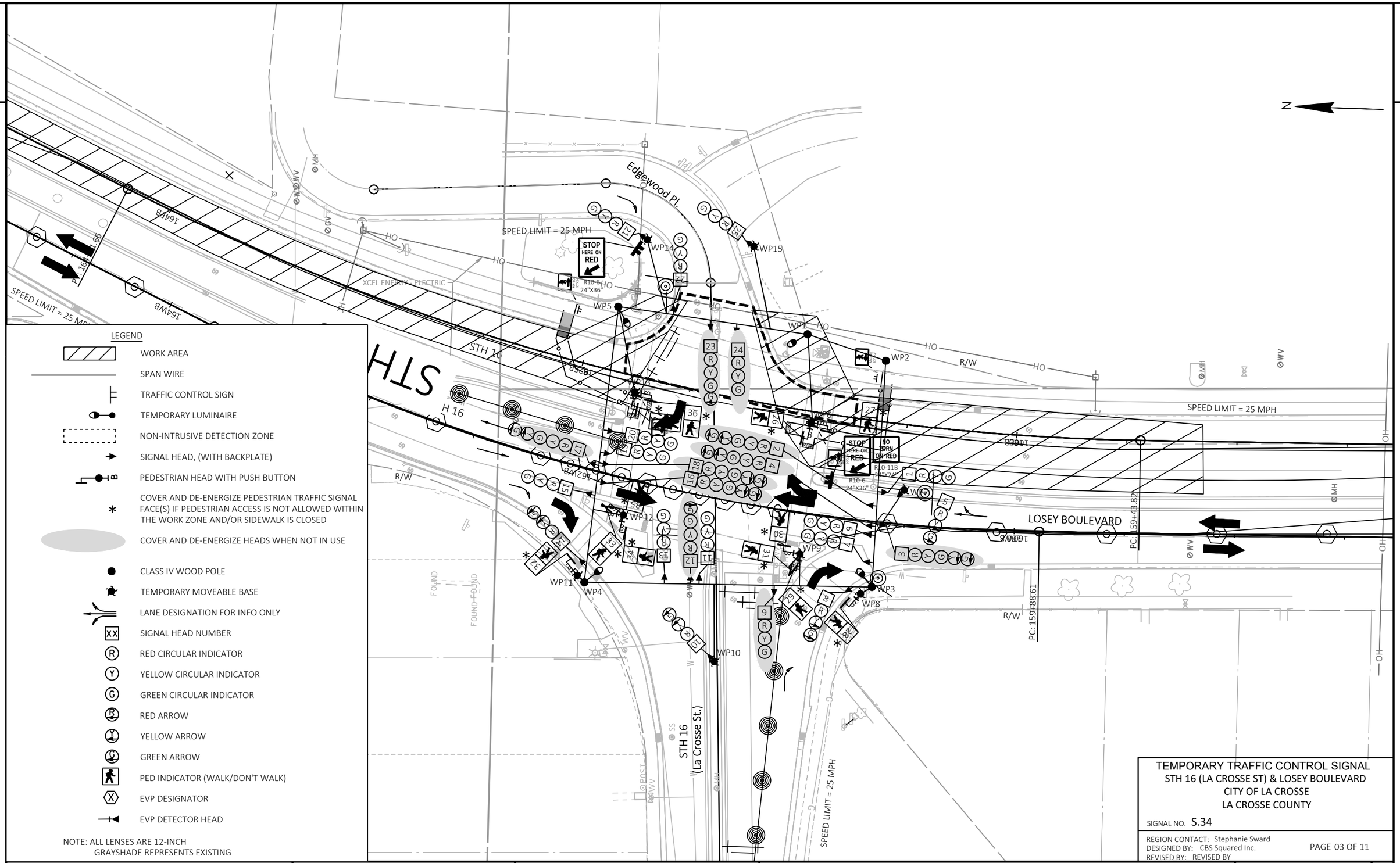
1. PROGRAMMED FLASH IS Y-R.

STH 16 (La Crosse St) & Losey Boulevard
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: S.34 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/2024 PAGE NUMBER: 2 OF 2

FILE NAME: \\192.168.44.5\CBS-MADISON\LACRC\21001 - Traffic Signal Design\Traffic\STH 16 & Losey Boulevard\SOO\STH 16_Losey_SEQ.xlsx PLOT DATE: 7/29/2024 PLOT NAME: STH 16_Losey_SEQ.xlsx PLOT BY: _____ PLOT SCALE: 1:1

2



LEGEND

- WORK AREA
- SPAN WIRE
- TRAFFIC CONTROL SIGN
- TEMPORARY LUMINAIRE
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD, (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- * COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED
- COVER AND DE-ENERGIZE HEADS WHEN NOT IN USE
- CLASS IV WOOD POLE
- TEMPORARY MOVEABLE BASE
- LANE DESIGNATION FOR INFO ONLY
- 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
- PED INDICATOR (WALK/DON'T WALK)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

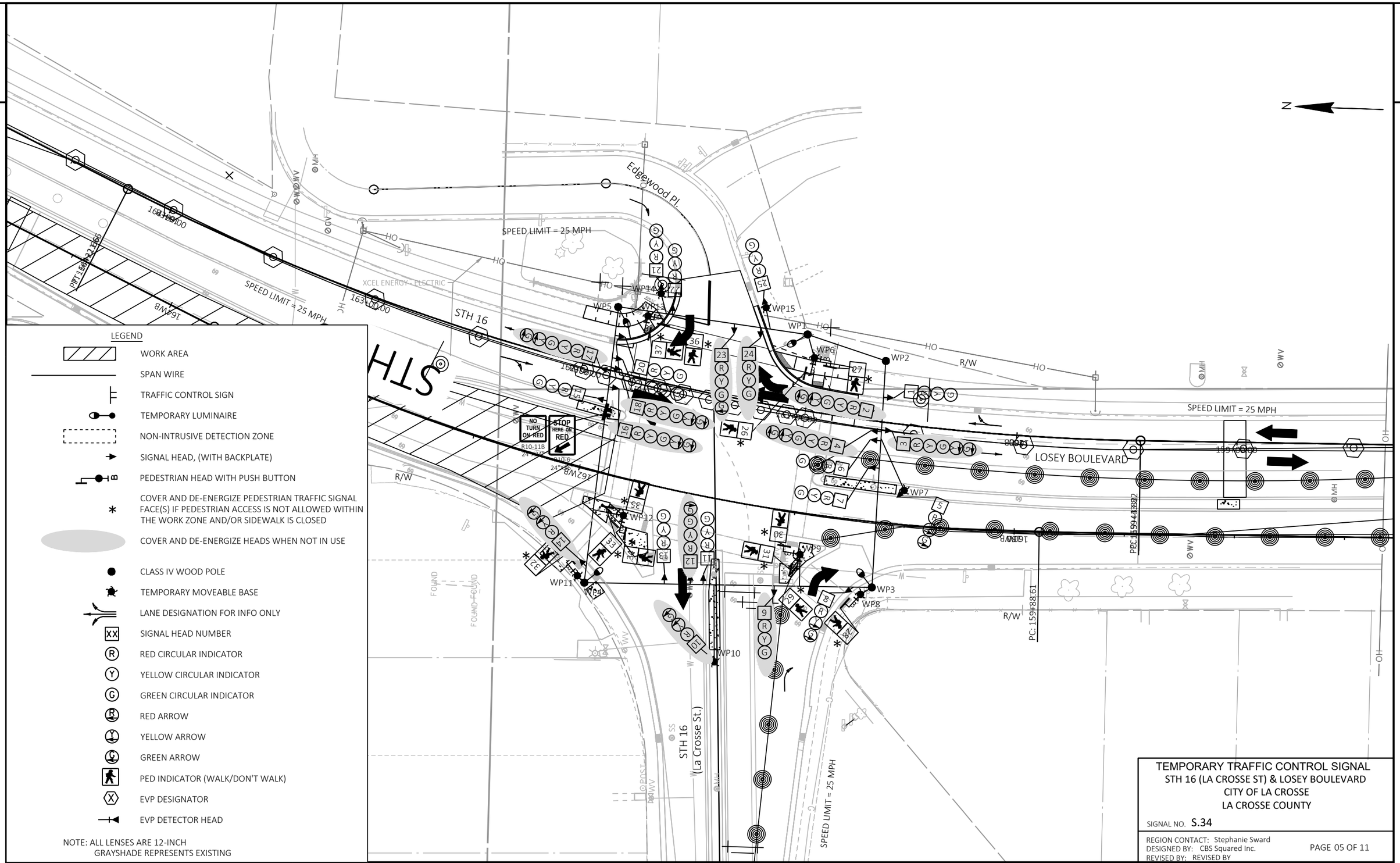
REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PAGE 03 OF 11

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE A-1	SHEET	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024102-ST_A1.DWG
LAYOUT NAME - 024102-st_A1
PLOT DATE : 7/29/2024 3:55 AM
PLOT BY : JASON ISAACSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2



LEGEND

- WORK AREA
- SPAN WIRE
- TRAFFIC CONTROL SIGN
- TEMPORARY LUMINAIRE
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD, (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- * COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED
- COVER AND DE-ENERGIZE HEADS WHEN NOT IN USE
- CLASS IV WOOD POLE
- TEMPORARY MOVEABLE BASE
- LANE DESIGNATION FOR INFO ONLY
- 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
- PED INDICATOR (WALK/DON'T WALK)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

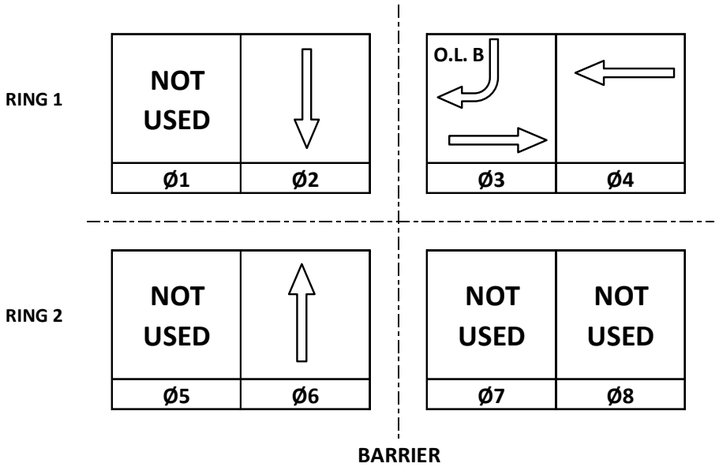
PAGE 05 OF 11

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE A2	SHEET	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024104-ST_A2.DWG
LAYOUT NAME - 024104-st_A2

PLOT DATE : 7/29/2024 3:56 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	6,7,15	R
Ø3	9,23,24	R ←
Ø4	11,12,21,22,25	R
Ø5		
Ø6	1,19,20	R
Ø7		
Ø8		
Ø2P	28,29,31,34	
Ø3P	27,30	
Ø4P	32,33,35,36	
Ø6P	26,37	
OLA	4,7	-
OLB	9,12	-
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

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

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

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	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

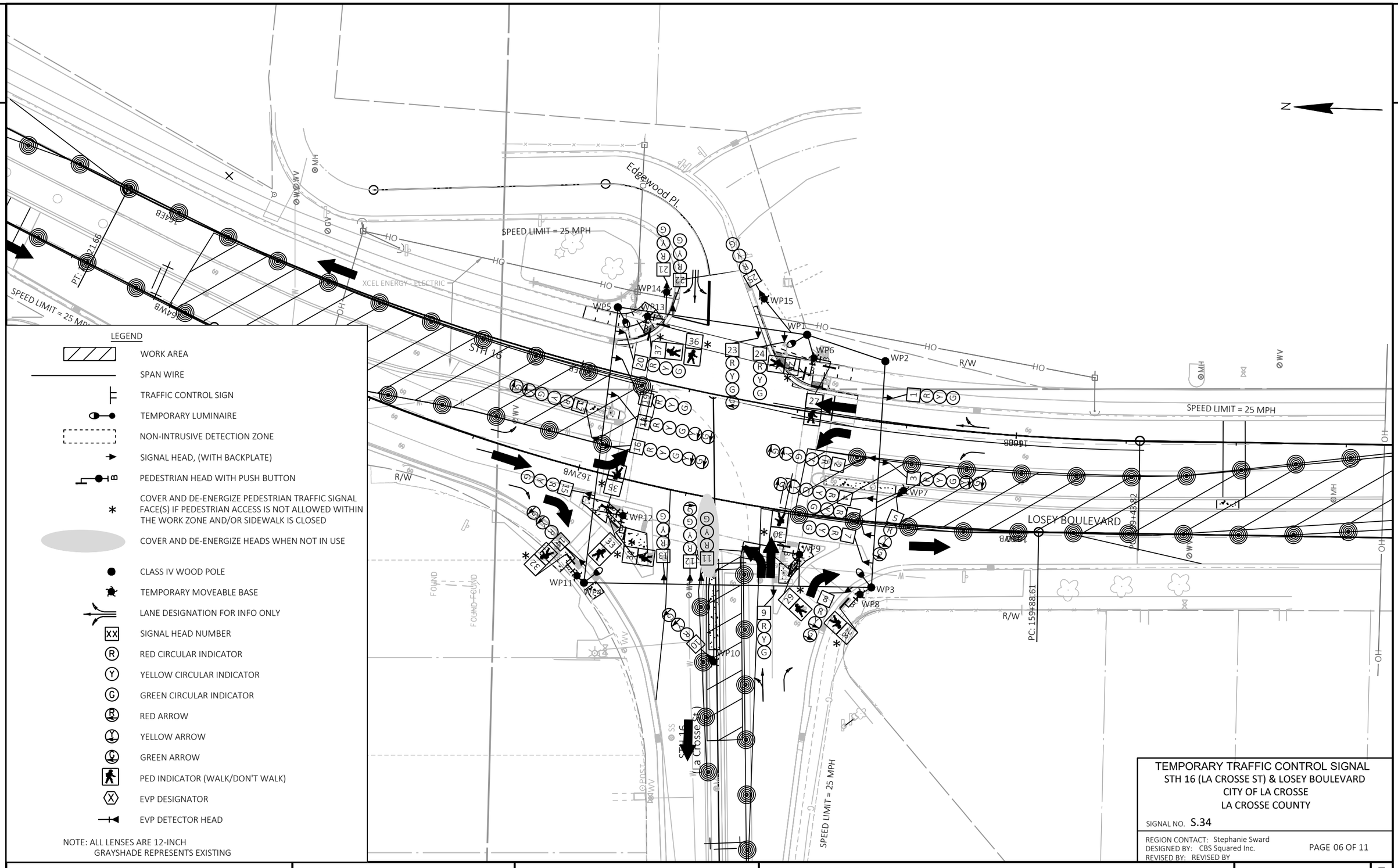
GENERAL NOTES:

1. PROGRAMMED FLASH IS Y-R.
2.

STH 16 (La Crosse St) & Losey Boulevard
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: S.34 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/2024 PAGE NUMBER: 2 OF 2

FILE NAME: \\192.168.44.5\CBS-MADISON\LACRC\21001 - Traffic Signal Design\Traffic\STH 16 & Losey Boulevard\SOO\STH 16_Losey_SEQ.xlsx PLOT DATE: 7/29/2024 PLOT NAME: STH 16_Losey_SEQ.xlsx PLOT BY: _____ PLOT SCALE: 1:1



TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

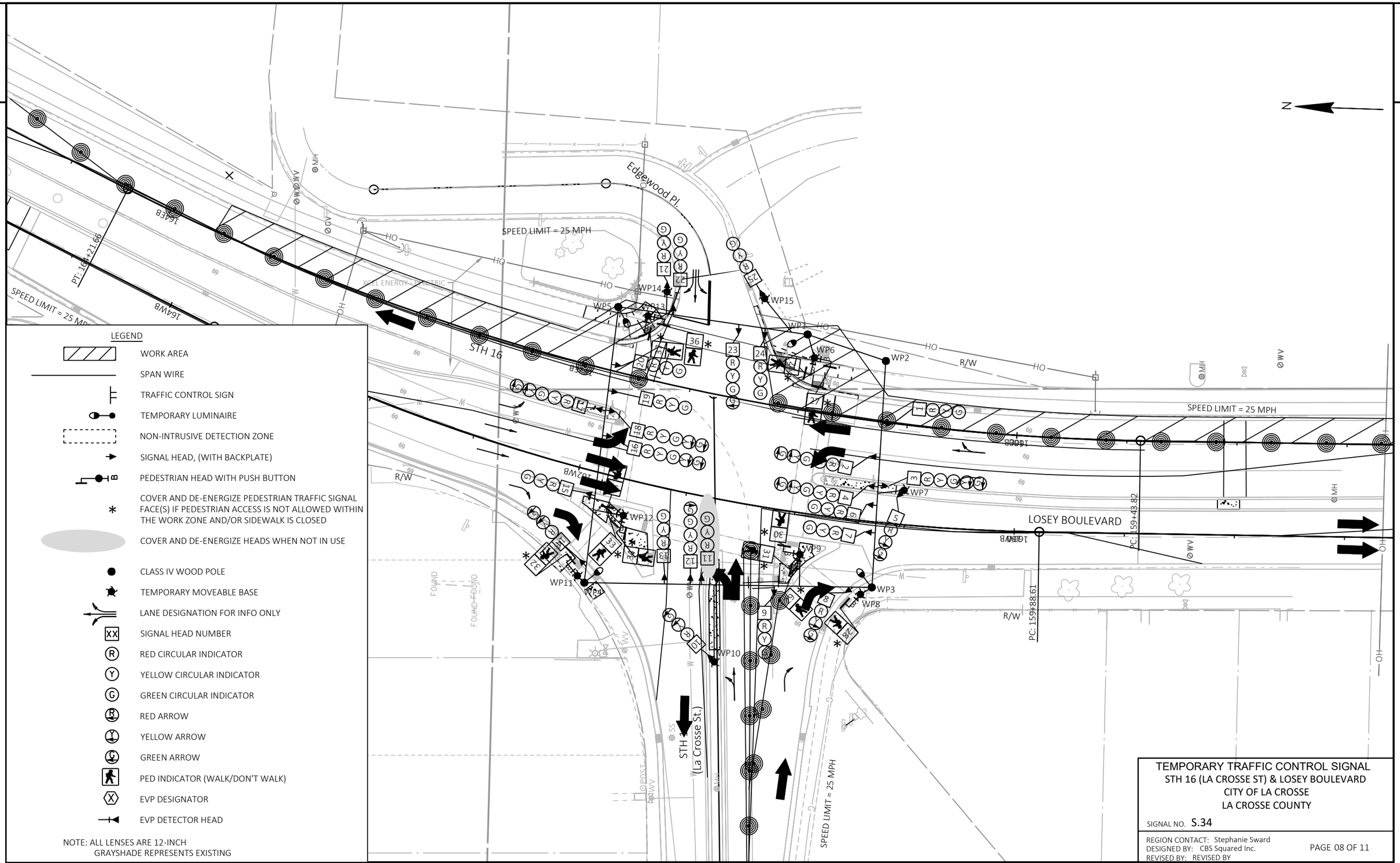
SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PAGE 06 OF 11

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE S1	SHEET E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024105-ST_S1.DWG
LAYOUT NAME - 024105-st_s1
PLOT DATE : 7/29/2024 3:56 AM
PLOT BY : JASON ISAACSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

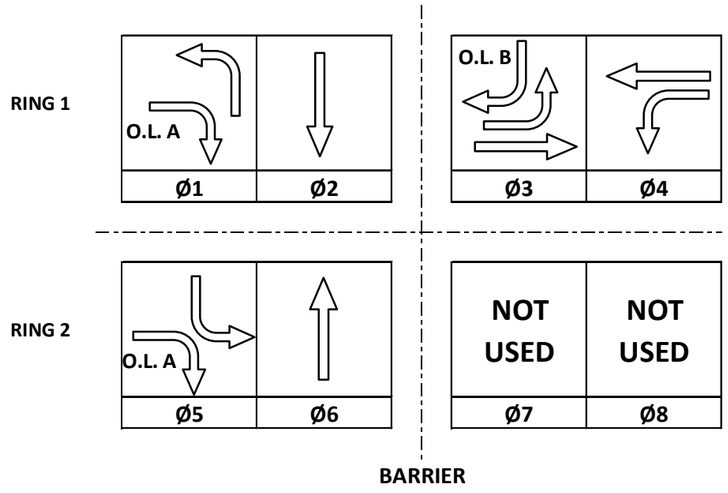
REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE S2	SHEET	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024105-ST_S2.DWG
LAYOUT NAME - 024105-st_s2

PLOT DATE : 7/29/2024 3:56 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	3,16,18	R ←
Ø2	6,7,15	R
Ø3	9,23,24	R ←
Ø4	111,12,21,22,25	R
Ø5	2,4,17	R ←
Ø6	1,19,20	R
Ø7		
Ø8		
Ø2P	28,29,31,34	
Ø3P	27,30	
Ø4P	32,33,35,36	
Ø6P	26,37	
OLA	4,7	-
OLB	9,12	-
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

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

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

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	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

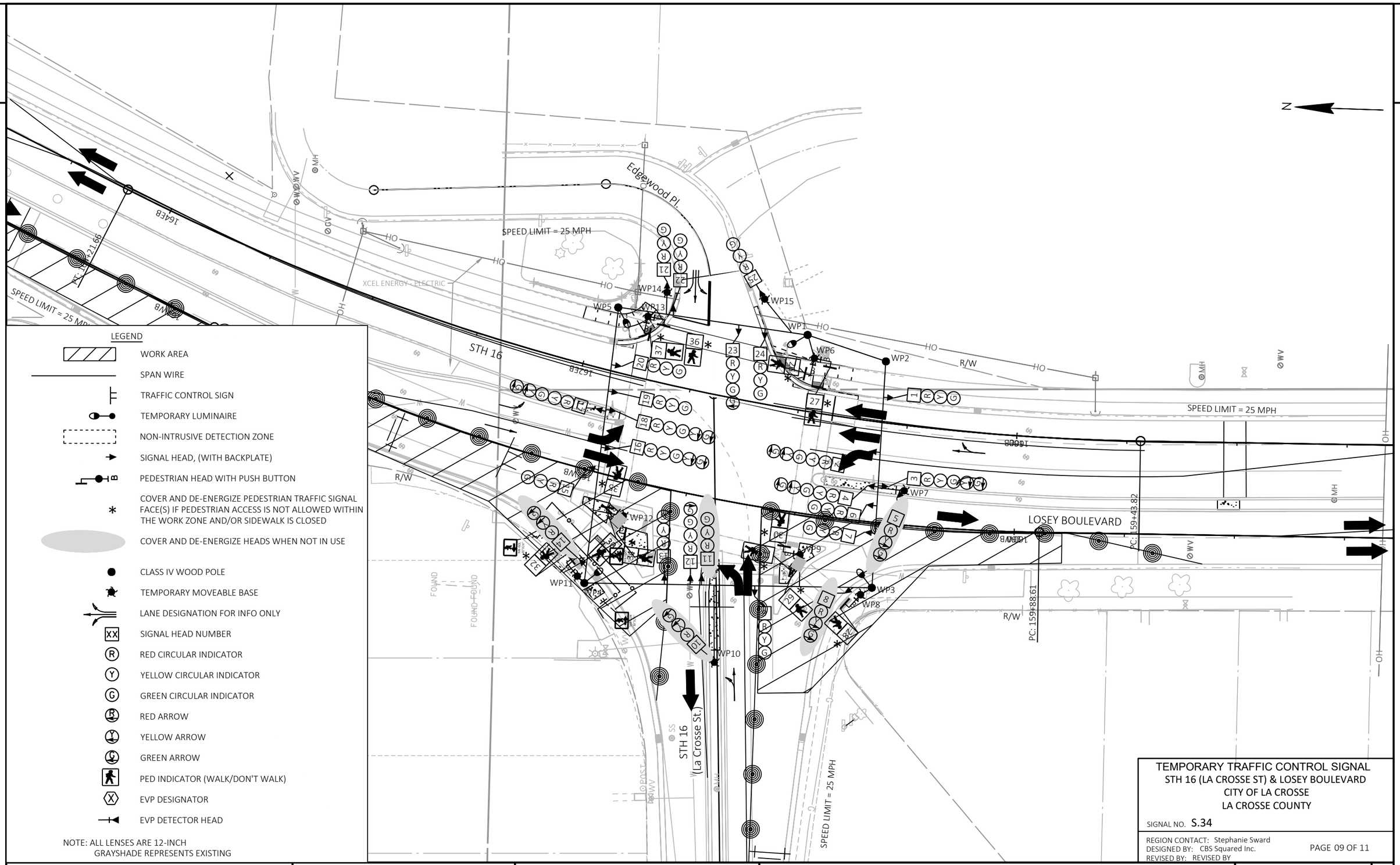
GENERAL NOTES:

1. PROGRAMMED FLASH IS Y-R.
2.

STH 16 (La Crosse St) & Losey Boulevard
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: S.34 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/2024 PAGE NUMBER: 2 OF 2

FILE NAME: \\192.168.44.5\CBS-MADISON\LACRC\21001 - Traffic Signal Design\Traffic\STH 16 & Losey Boulevard\SOO\STH 16_Losey_SEQ.xlsx PLOT DATE: 7/29/2024 PLOT NAME: STH 16_Losey_SEQ.xlsx PLOT BY: _____ PLOT SCALE: 1:1



TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PAGE 09 OF 11

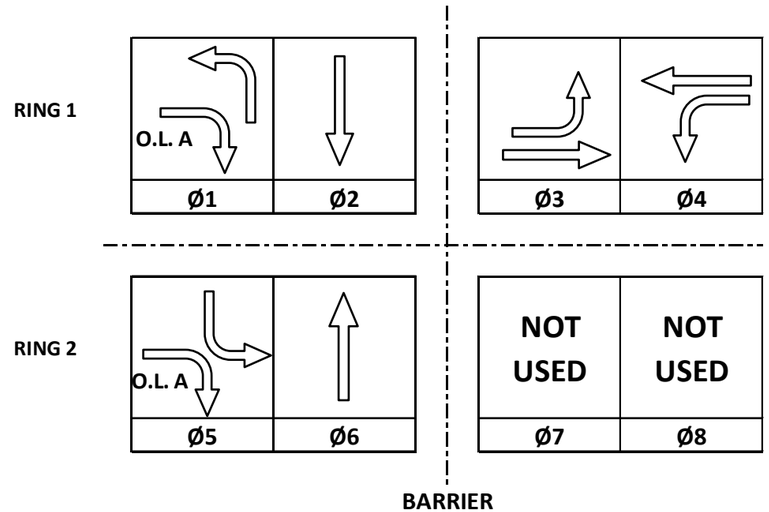
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE S3	SHEET	E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024105-ST_S3.DWG
LAYOUT NAME - 024105-st_s3

PLOT DATE : 7/29/2024 3:57 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISI 46 SHEET 42

	HEAD NUMBERS	FLASH
Ø1	3,16,18	R
Ø2	6,7,15	R
Ø3	9,23,24	R
Ø4	111,12,21,22,25	R
Ø5	2,4,17	R
Ø6	1,19,20	R
Ø7		
Ø8		
Ø2P	28,29,31,34	
Ø3P	27,30	
Ø4P	32,33,35,36	
Ø6P	26,37	
OLA	4,7	-
OLB		-
OLC		
OLD		
OLE		
OLF		
OLG		
OLH		



CONTROLLER LOGIC

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

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

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

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	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

GENERAL NOTES:

1. PROGRAMMED FLASH IS Y-R.
2.

STH 16 (La Crosse St) & Losey Boulevard
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO: S.34 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/2024 PAGE NUMBER: 2 OF 2

FILE NAME: \\192.168.44.5\CBS-MADISON\LACRC\21001 - Traffic Signal Design\Traffic\STH 16 & Losey Boulevard\SOO\STH 16_Losey_SEQ.xlsx PLOT DATE: 7/29/2024 PLOT NAME: STH 16_Losey_SEQ.xlsx PLOT BY: _____ PLOT SCALE: 1:1

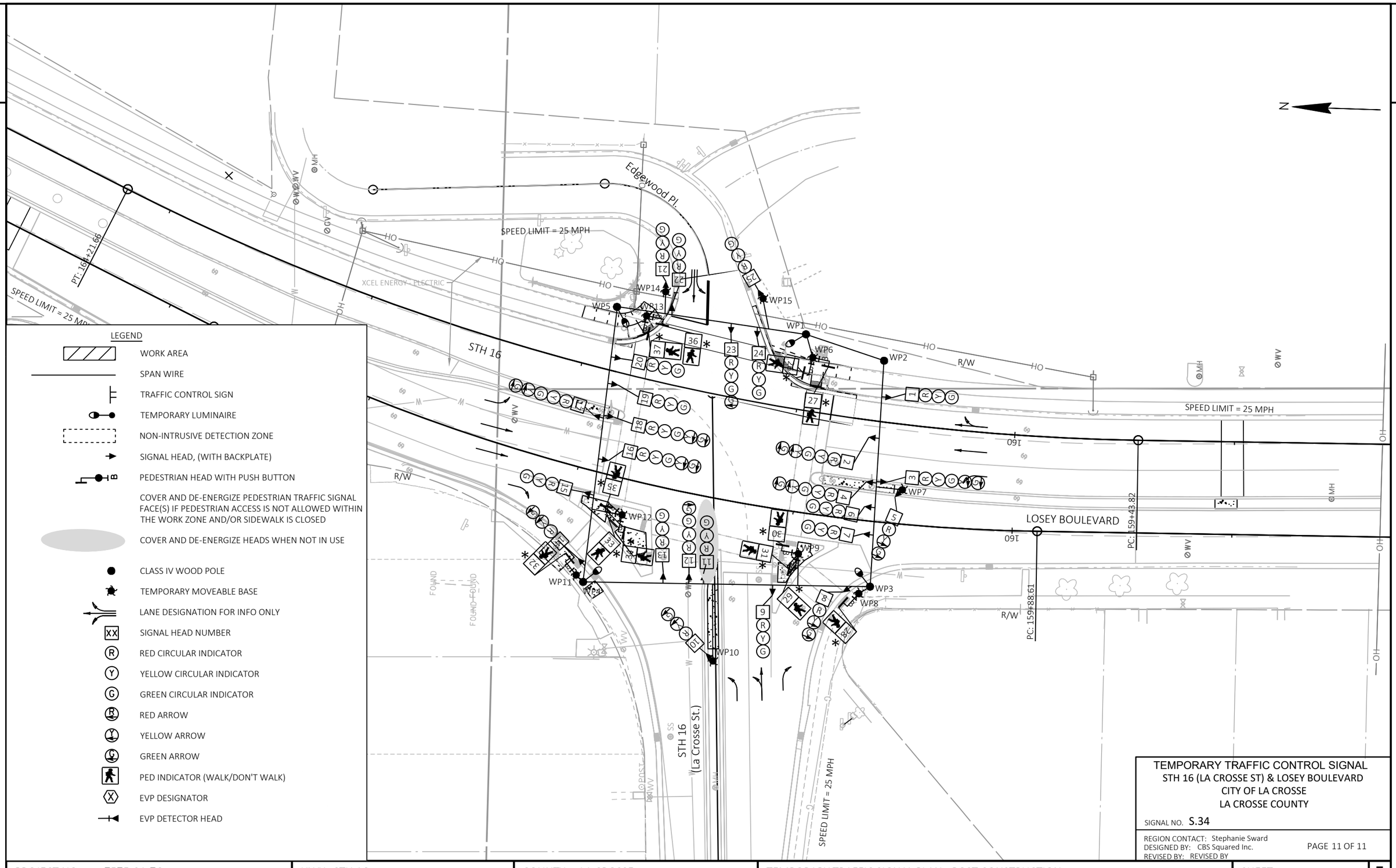
NOTES:
-DURING STAGE C-1, TEMPORARY SIGNAL HEADS 61 & 62 ARE LOCATED OVER THE CENTER OF THE EASTBOUND STH 16 LANES, HEAD 63 IS LOCATED OVER THE CENTER OF THE LEFT TURN LANE EXTENDED
-DURING STAGE C-2 TEMPORARY SIGNAL HEADS 61 & 62 ARE LOCATED OVER THE CENTER OF THE WESTBOUND STH 16 LANES, HEAD 63 IS NOT REQUIRED
-TEMPORARY SIGNAL HEADS WILL NEED TO BE MOVED, INCIDENTAL TO THE TEMPORARY TRAFFIC SIGNAL BID ITEM
-TEMPORARY SIGNAL CABLING WILL NEED TO HAVE ENOUGH LENGTH TO ACCOUNT FOR HEAD LOCATIONS IN EACH STAGE
-CONTRACTOR WILL PULL CABLE TO EXISTING TRAFFIC SIGNAL CABINET ESC1 (SHOWN FOR CLARITY) UTILIZING EXISTING SIGNAL CONDUIT RING
-WISDOT ELECTRICIANS WILL TERMINATE TRAFFIC SIGNAL CABLE IN EXISTING TRAFFIC SIGNAL CABINET ESC1

N

PC: 313+41.98
PC: 313+03.54
314+30.00
309+00.00
310
CONOCO RD
STH 16
STH 16 EB
CTH B
ESC1
SIGN
MH
INL
61
62
63
G
Y
R

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - STH 16 & CONOCO/CTH B STAGE C	SHEET 48	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\75750106\TRAFFIC\ELECTRICAL\SIGNALS\7575-01-76.TEMPSIGNAL.DWG
LAYOUT NAME - 024101-st
PLOT DATE : 6/21/2024 3:04 PM PLOT BY : WEBB, COLLIN J PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

- WORK AREA
- SPAN WIRE
- TRAFFIC CONTROL SIGN
- TEMPORARY LUMINAIRE
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD, (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED
- COVER AND DE-ENERGIZE HEADS WHEN NOT IN USE
- CLASS IV WOOD POLE
- TEMPORARY MOVEABLE BASE
- LANE DESIGNATION FOR INFO ONLY
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PED INDICATOR (WALK/DON'T WALK)
- EVP DESIGNATOR
- EVP DETECTOR HEAD

TEMPORARY TRAFFIC CONTROL SIGNAL
STH 16 (LA CROSSE ST) & LOSEY BOULEVARD
CITY OF LA CROSSE
LA CROSSE COUNTY

SIGNAL NO. S.34

REGION CONTACT: Stephanie Sward
DESIGNED BY: CBS Squared Inc.
REVISED BY: REVISED BY

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TEMPORARY TRAFFIC SIGNAL PLAN - POST CONSTRUCTION	SHEET E

FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\024105-ST_POST.DWG
LAYOUT NAME - 024105-st_post

PLOT DATE : 7/29/2024 3:57 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:
-CONTRACTOR TO REMOVE AND REPLACE SB1, INCLUDING NEW CONCRETE BASE TYPE 1
-CONTRACTOR TO REMOVE PB1 AND INSTALL NEW 24"X42" NON-CONDUCTIVE PULLBOX
-CONTRACTOR TO REMOVE OR ABANDON EXISTING CONDUIT BETWEEN EBP5-PB1-EPB6
-CONTRACTOR TO REMOVE ELECTRICAL WIRE BETWEEN EPB5-PB1-EPB6
-CONTRACTOR TO BORE 2-3" CONDUIT FROM EPB5-PB1-EPB6
-CONTRACTOR TO PULL NEW TRAFFIC SIGNAL CABLE FROM ESC1 TO SB1, ESB1, AND ESB2

N

PC: 313+41.98
PC: 313+03.54
314+30.00
309+00.00
ESB2
EPB6
ESB1
PB1
SB1
EPB5
ESB3
EPB4
EPB3
EPB2
ESC1
EPB1
CONOCO RD
STH 16 EB
CTH B
SIGN
MH
INL
310

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC SIGNAL PLAN - STH 16 & CONOCO RD/CTH B	SHEET 50	E

FILE NAME : C:\BOXDRV\BOX\DTSD-PROJECTS-PUBLIC\SWR-PROJECTS-STATE\DESIGN\75750106\TRAFFIC\ELECTRICAL\SIGNALS\7575-01-76.SIGNAL.DWG
LAYOUT NAME - 024201-sp
PLOT DATE : 6/21/2024 3:06 PM
PLOT BY : WEBB, COLLIN J
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

2

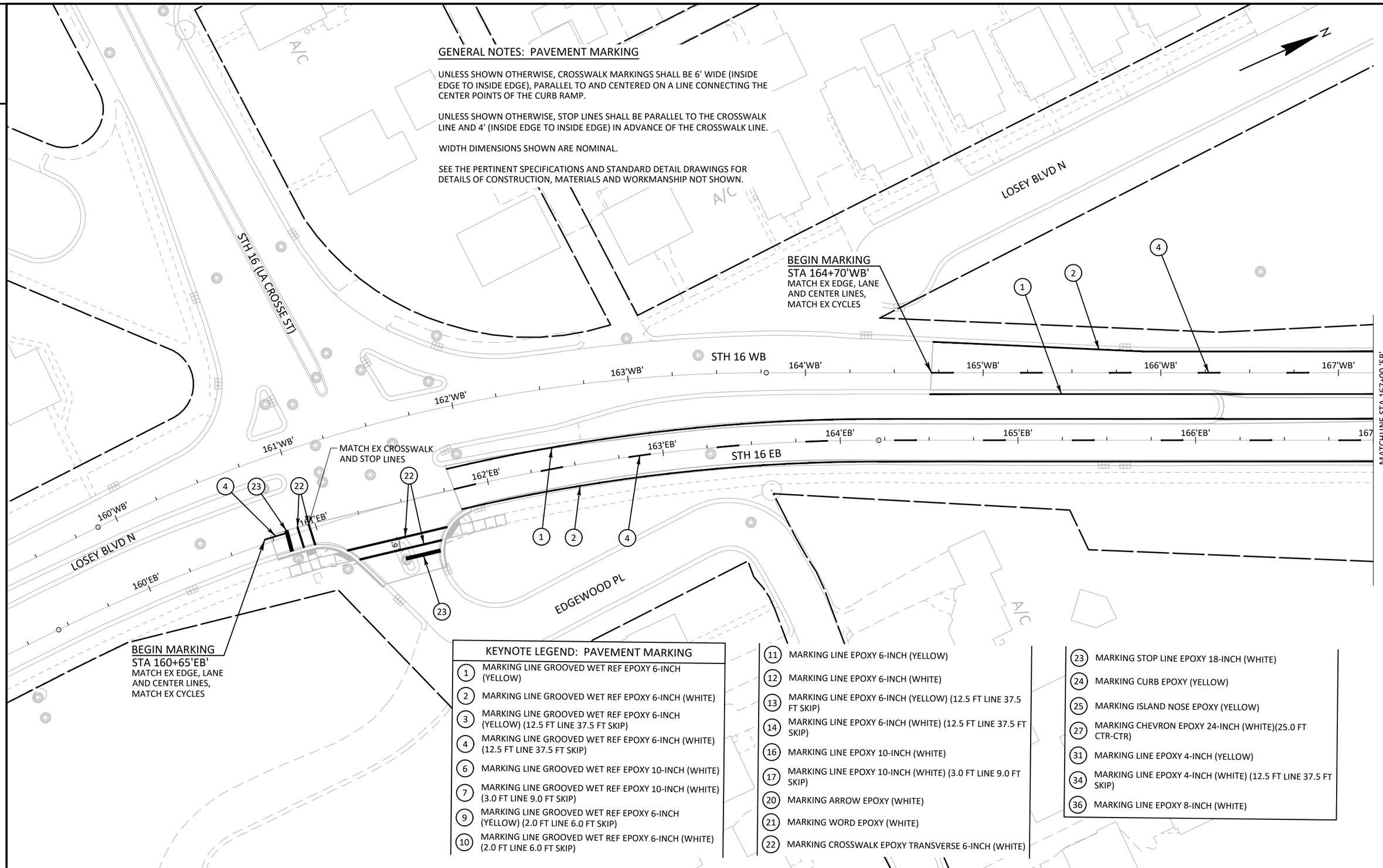
GENERAL NOTES: PAVEMENT MARKING

UNLESS SHOWN OTHERWISE, CROSSWALK MARKINGS SHALL BE 6' WIDE (INSIDE EDGE TO INSIDE EDGE), PARALLEL TO AND CENTERED ON A LINE CONNECTING THE CENTER POINTS OF THE CURB RAMP.

UNLESS SHOWN OTHERWISE, STOP LINES SHALL BE PARALLEL TO THE CROSSWALK LINE AND 4' (INSIDE EDGE TO INSIDE EDGE) IN ADVANCE OF THE CROSSWALK LINE.

WIDTH DIMENSIONS SHOWN ARE NOMINAL.

SEE THE PERTINENT SPECIFICATIONS AND STANDARD DETAIL DRAWINGS FOR DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN.

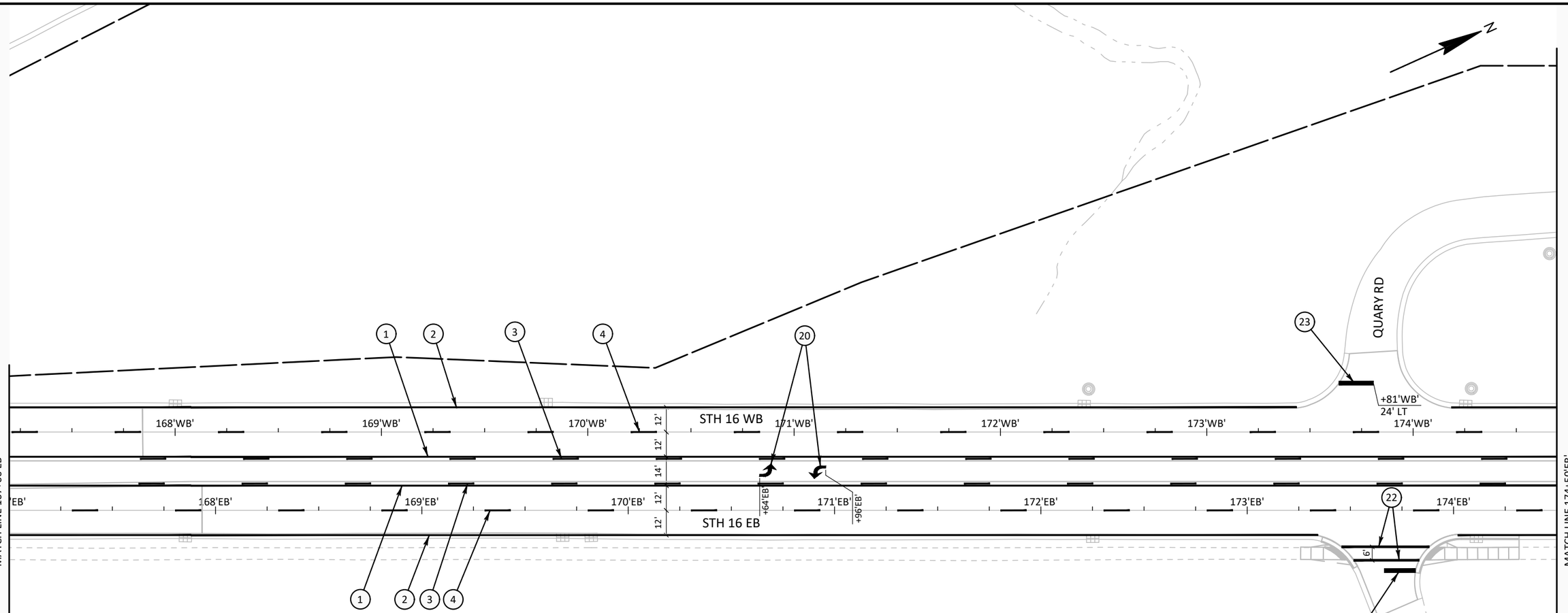


KEYNOTE LEGEND: PAVEMENT MARKING

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11	MARKING LINE EPOXY 6-INCH (YELLOW)
12	MARKING LINE EPOXY 6-INCH (WHITE)
13	MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14	MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16	MARKING LINE EPOXY 10-INCH (WHITE)
17	MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20	MARKING ARROW EPOXY (WHITE)
21	MARKING WORD EPOXY (WHITE)
22	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23	MARKING STOP LINE EPOXY 18-INCH (WHITE)
24	MARKING CURB EPOXY (YELLOW)
25	MARKING ISLAND NOSE EPOXY (YELLOW)
27	MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31	MARKING LINE EPOXY 4-INCH (YELLOW)
34	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36	MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 51	E

2



KEYNOTE LEGEND: PAVEMENT MARKING		
(1) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	(11) MARKING LINE EPOXY 6-INCH (YELLOW)	(23) MARKING STOP LINE EPOXY 18-INCH (WHITE)
(2) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	(12) MARKING LINE EPOXY 6-INCH (WHITE)	(24) MARKING CURB EPOXY (YELLOW)
(3) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	(13) MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	(25) MARKING ISLAND NOSE EPOXY (YELLOW)
(4) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	(14) MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	(27) MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
(6) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	(16) MARKING LINE EPOXY 10-INCH (WHITE)	(31) MARKING LINE EPOXY 4-INCH (YELLOW)
(7) MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	(17) MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	(34) MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
(9) MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)	(20) MARKING ARROW EPOXY (WHITE)	(36) MARKING LINE EPOXY 8-INCH (WHITE)
(10) MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)	(21) MARKING WORD EPOXY (WHITE)	
	(22) MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)	

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 52 E

2

QUARY RD

N

MATCH LINE 174+50'EB'

MATCH LINE 182+00'EB'

175'WB' 176'WB' 177'WB' 178'WB' 179'WB' 180'WB' 181'WB' 182'WB'

12' 12' 14' 12' 12'

STH 16 WB

STH 16 EB

+64'EB' 175'EB' +96'EB' 176'EB' 177'EB' 178'EB' +64'EB' 179'EB' +96'EB' 180'EB' 181'EB' 182

NOTE, DO NOT GROOVE PAVEMENT MARKINGS ON STRUCTURES.

NOTE, RETRACE EXISTING MARKINGS ON STRUCTURES. MATCH OR BLEND INTO EXISTING CYCLES.

CANADIAN PACIFIC RR

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 53 E

2

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

N

CANADIAN PACIFFIC RR

MATCH LINE 182+00'EB'

183'WB'

184'WB'

185'WB'

186'WB'

187'WB'

188'WB'

189'WB'

184'EB'

183'EB'

+96'EB

+84'EB

185'EB'

186'EB'

187'EB'

188'EB'

189'EB'

+22'EB

+04'EB

STH 16 WB

STH 16 EB

12'

14'

9'

NOTE, DO NOT GROOVE PAVEMENT MARKINGS ON STRUCTURES.

MATCH LINE 189+50'EB'

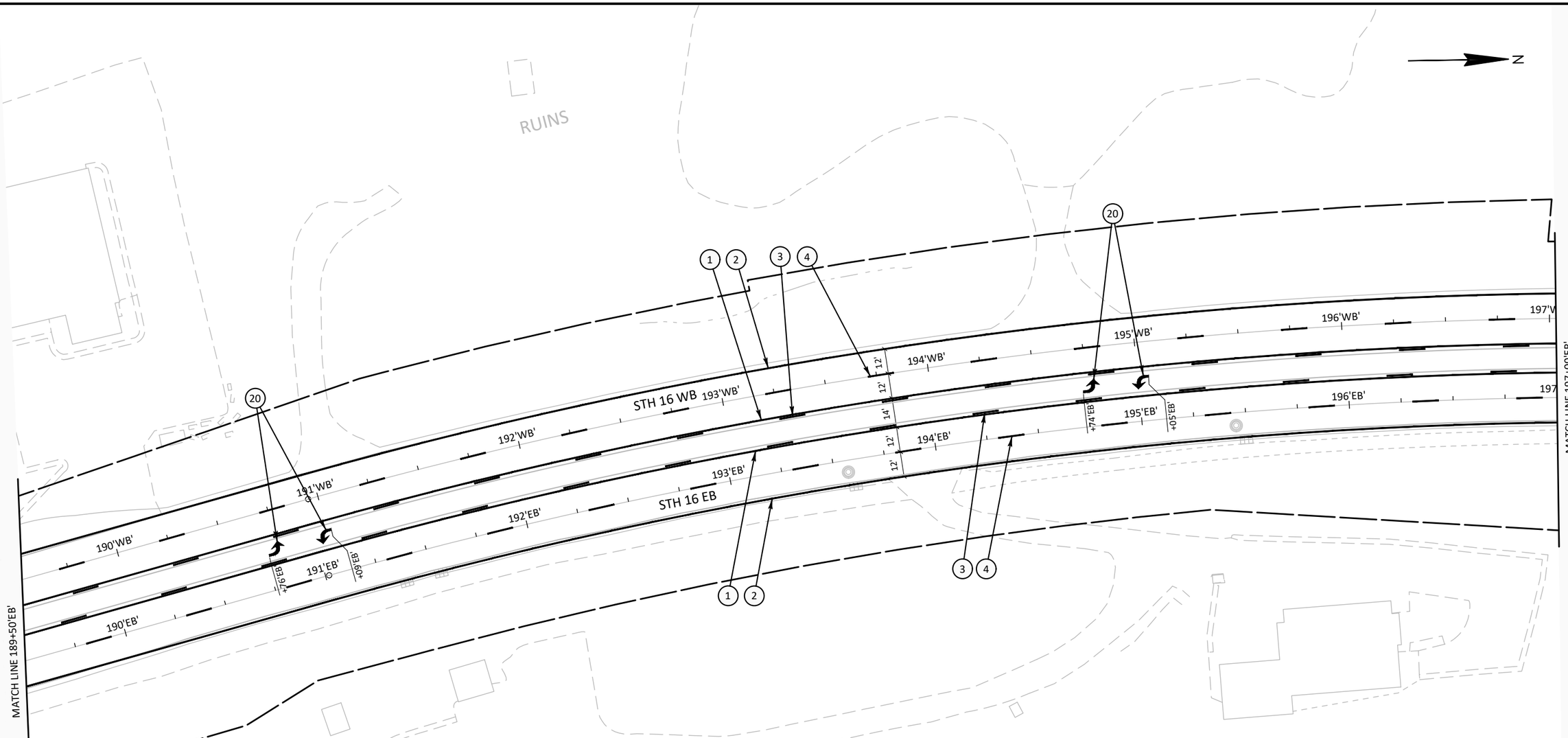
UNNAMED

BLUFF PASS

A/C

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 54	E

2

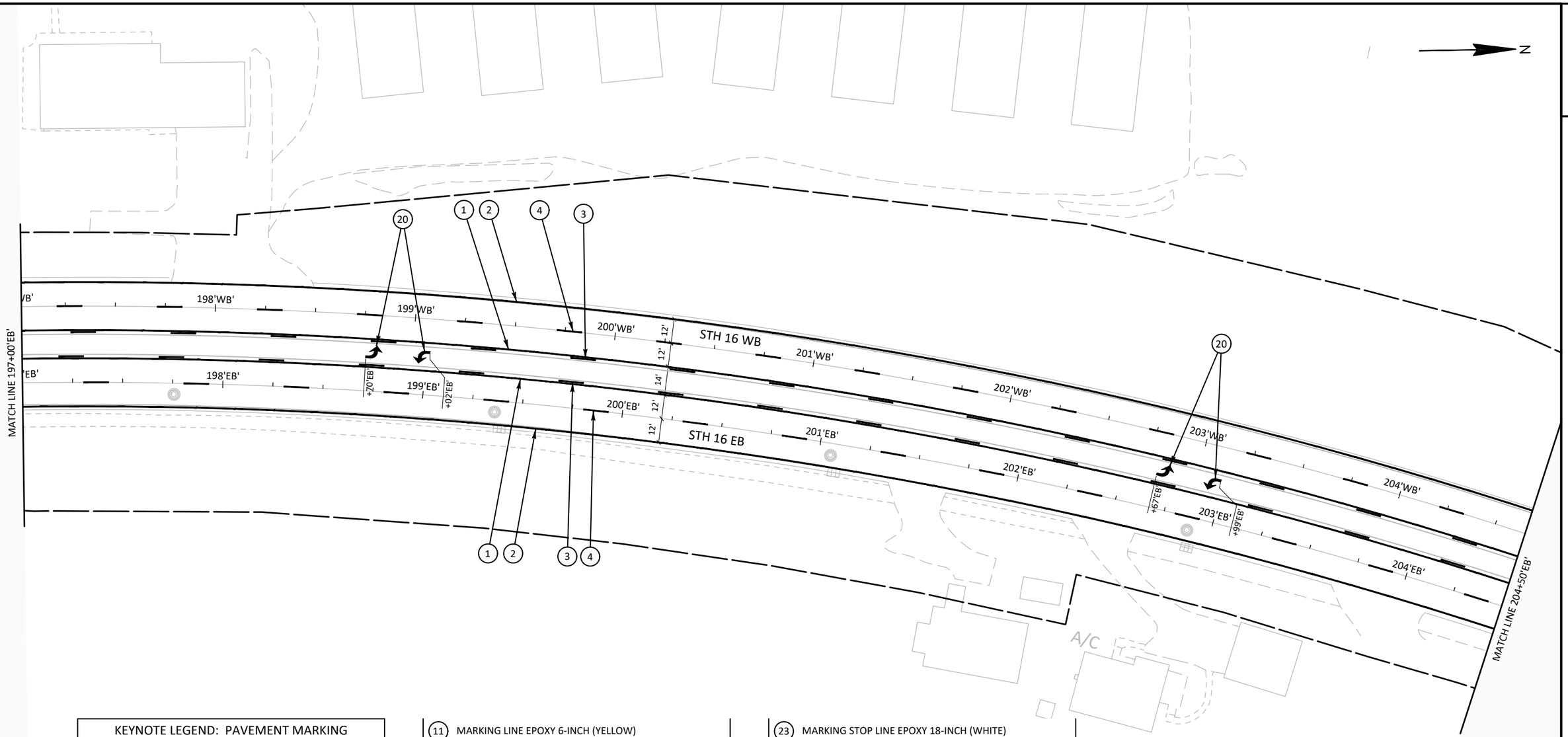


KEYNOTE LEGEND: PAVEMENT MARKING		
1 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	11 MARKING LINE EPOXY 6-INCH (YELLOW)	23 MARKING STOP LINE EPOXY 18-INCH (WHITE)
2 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	12 MARKING LINE EPOXY 6-INCH (WHITE)	24 MARKING CURB EPOXY (YELLOW)
3 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	13 MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	25 MARKING ISLAND NOSE EPOXY (YELLOW)
4 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	14 MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	27 MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
6 MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	16 MARKING LINE EPOXY 10-INCH (WHITE)	31 MARKING LINE EPOXY 4-INCH (YELLOW)
7 MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	17 MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	34 MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
9 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)	20 MARKING ARROW EPOXY (WHITE)	36 MARKING LINE EPOXY 8-INCH (WHITE)
10 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)	21 MARKING WORD EPOXY (WHITE)	
	22 MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)	

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 55 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg
PLOT DATE : 7/17/2024 3:01 PM
PLOT BY : SEH
LAYOUT NAME : 05
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

2

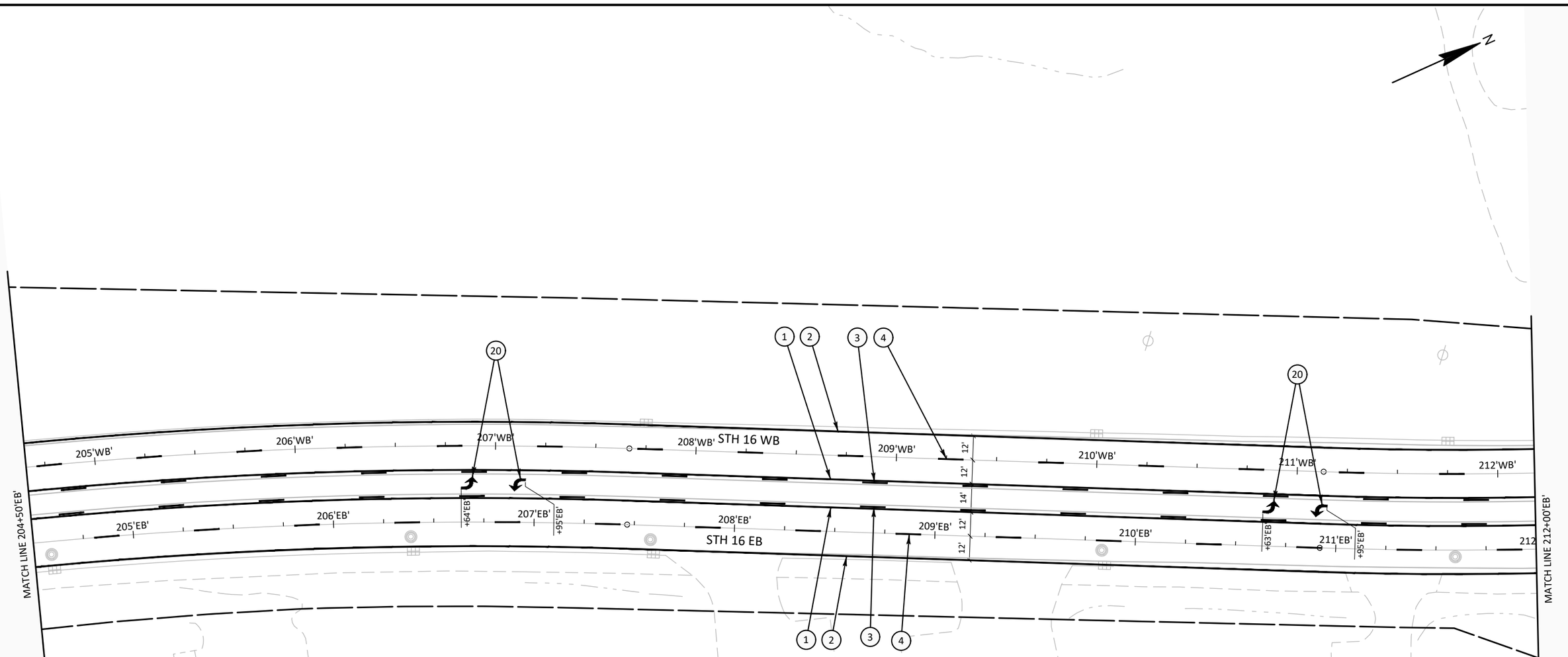


KEYNOTE LEGEND: PAVEMENT MARKING
1 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6 MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7 MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9 MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10 MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11 MARKING LINE EPOXY 6-INCH (YELLOW)
12 MARKING LINE EPOXY 6-INCH (WHITE)
13 MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14 MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16 MARKING LINE EPOXY 10-INCH (WHITE)
17 MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20 MARKING ARROW EPOXY (WHITE)
21 MARKING WORD EPOXY (WHITE)
22 MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23 MARKING STOP LINE EPOXY 18-INCH (WHITE)
24 MARKING CURB EPOXY (YELLOW)
25 MARKING ISLAND NOSE EPOXY (YELLOW)
27 MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31 MARKING LINE EPOXY 4-INCH (YELLOW)
34 MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36 MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 56 E

2

2



KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11	MARKING LINE EPOXY 6-INCH (YELLOW)
12	MARKING LINE EPOXY 6-INCH (WHITE)
13	MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
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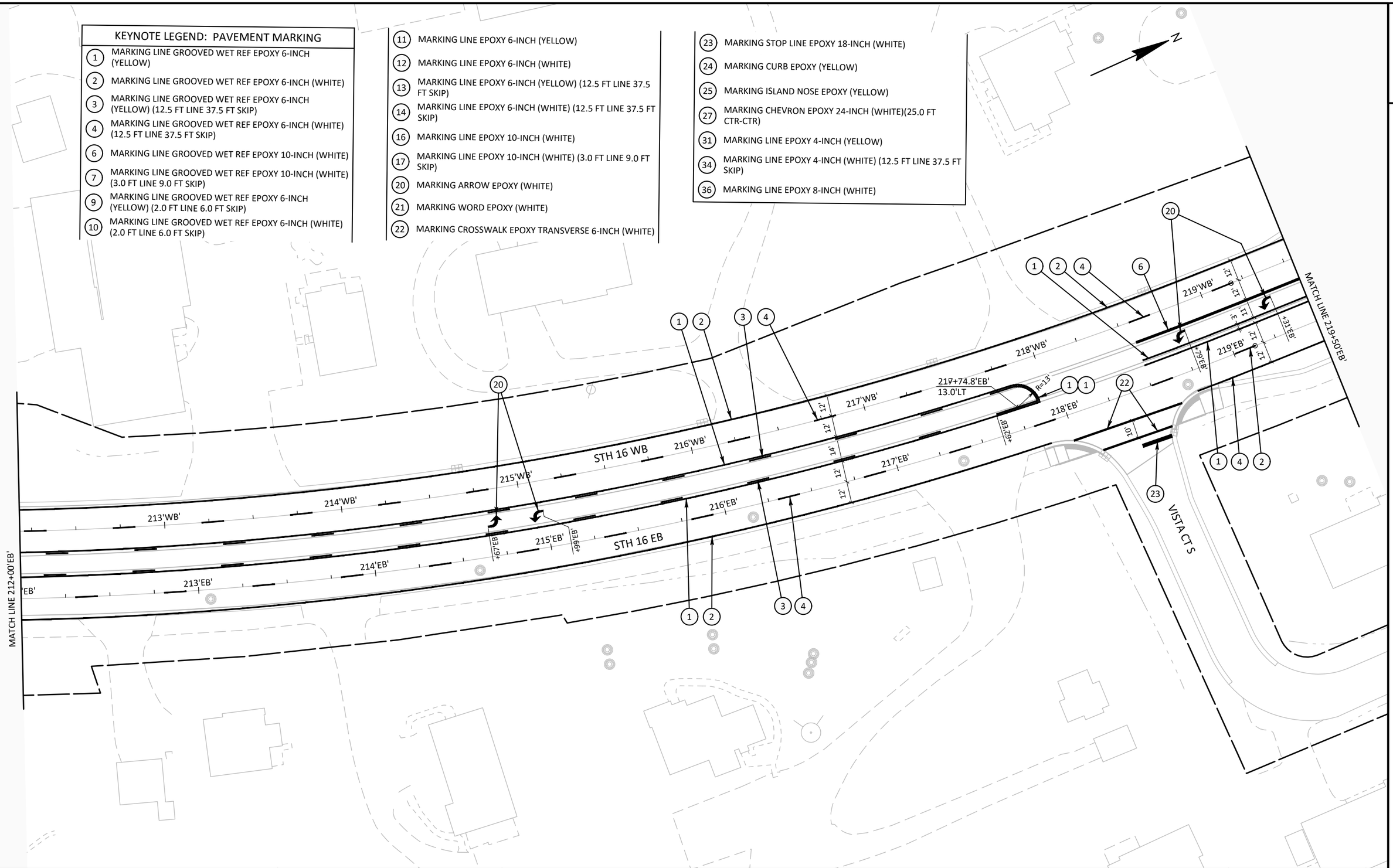
16	MARKING LINE EPOXY 10-INCH (WHITE)
17	MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20	MARKING ARROW EPOXY (WHITE)
21	MARKING WORD EPOXY (WHITE)
22	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23	MARKING STOP LINE EPOXY 18-INCH (WHITE)
24	MARKING CURB EPOXY (YELLOW)
25	MARKING ISLAND NOSE EPOXY (YELLOW)
27	MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31	MARKING LINE EPOXY 4-INCH (YELLOW)
34	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36	MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 57 E

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKINGPLAN	SHEET 58 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:02 PM PLOT BY : SEH LAYOUT NAME : 08 PLOT SCALE : 1.0 IN = 50.0 FT

2

N

MATCH LINE 219+50'EB'

MATCH LINE 227+00'EB'

STH 16 WB

STH 16 EB

220'WB' 221'WB' 222'WB' 223'WB' 224'WB' 225'WB' 226'WB' 227'W

220'EB' 221'EB' 222'EB' 223'EB' 224'EB' 225'EB' 226'EB' 227

+56'WB' +56'WB' +72'EB' +04'EB' +72'EB'

12' 12' 14' 12' 12'

1 1 20 1 2 3 4 20

1 1 1 2 3 4

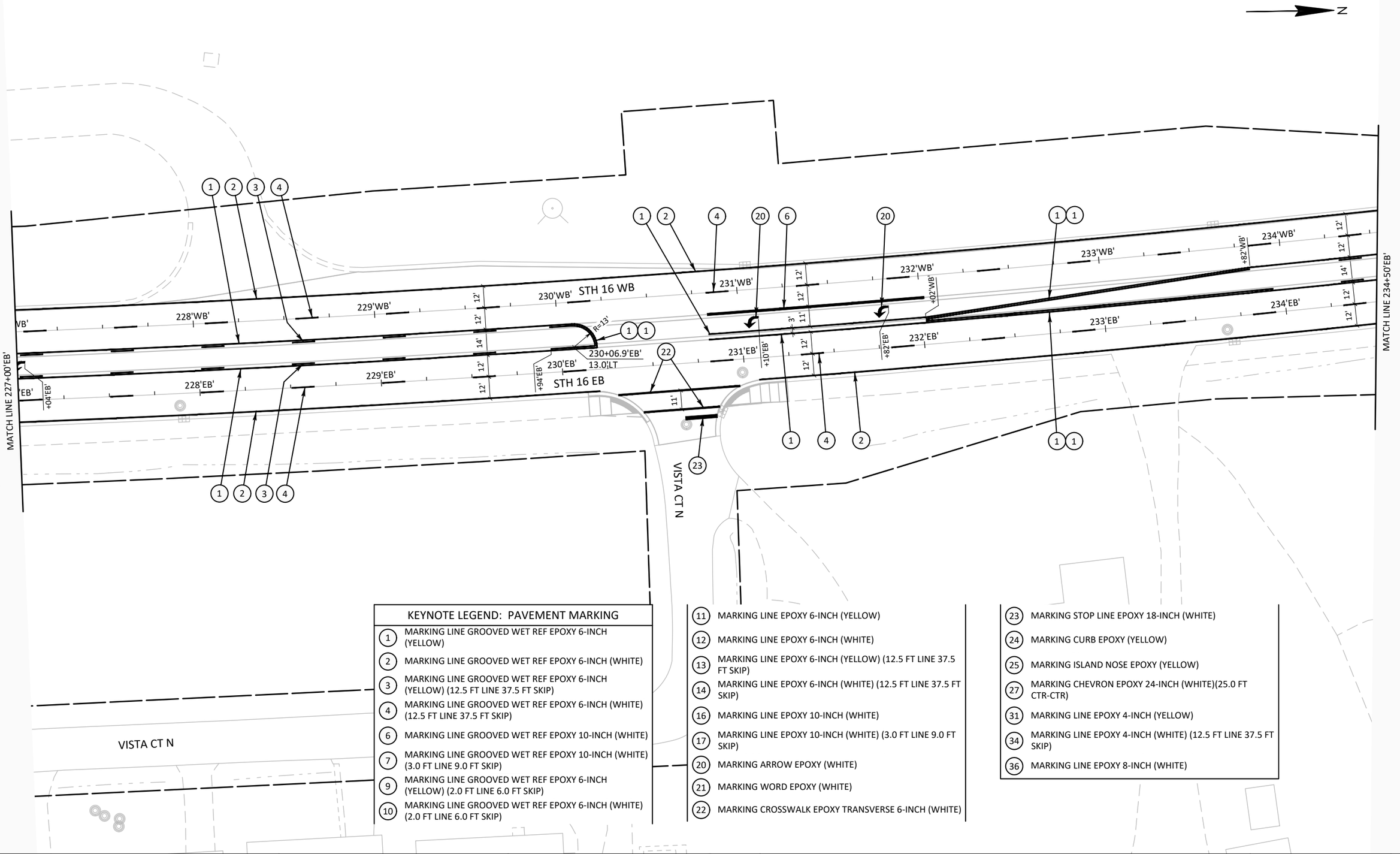
VISTA CT S

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 59	E

2



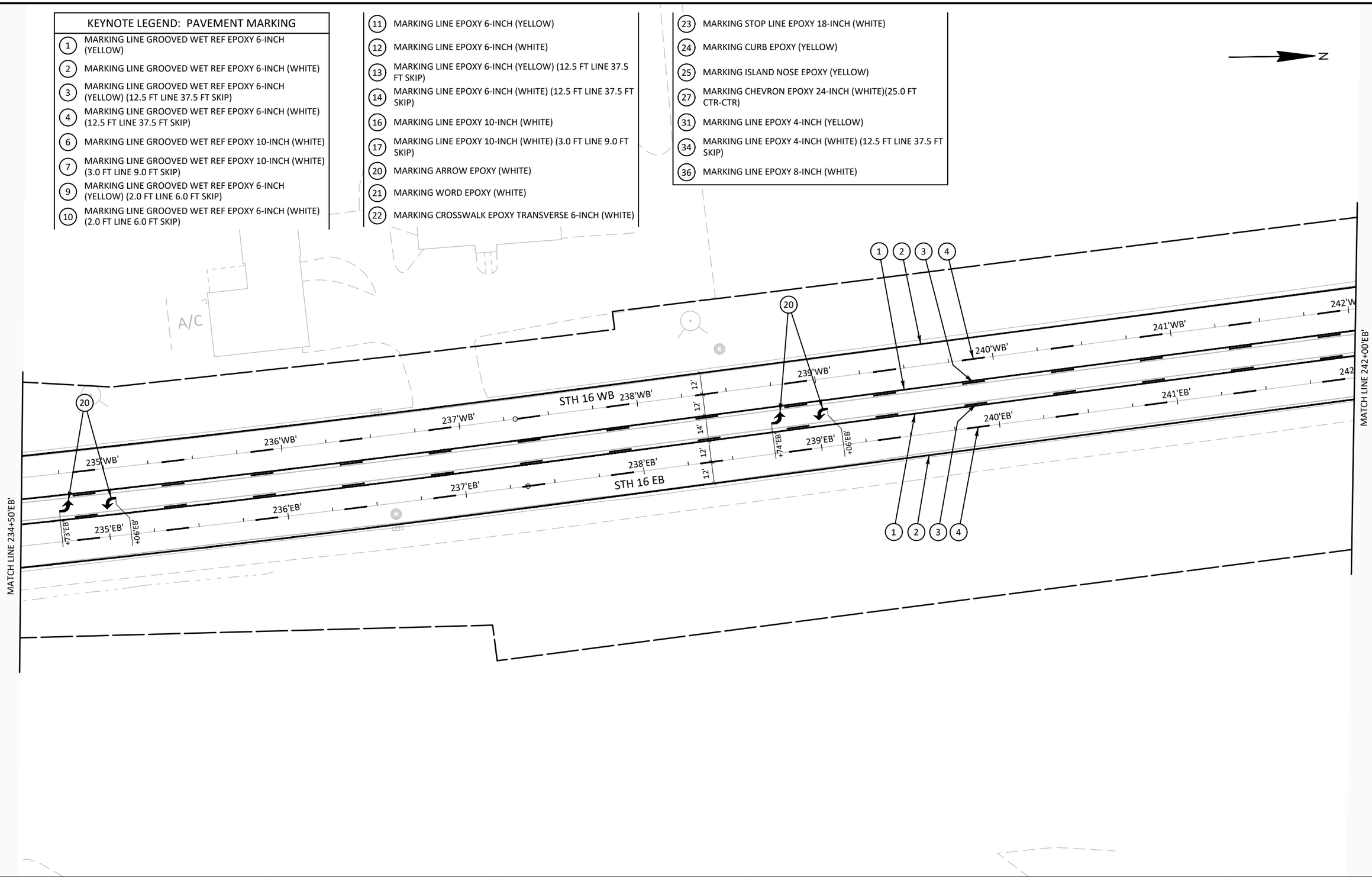
KEYNOTE LEGEND: PAVEMENT MARKING		
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)	
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)	
11	MARKING LINE EPOXY 6-INCH (YELLOW)	
12	MARKING LINE EPOXY 6-INCH (WHITE)	
13	MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	
14	MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	
16	MARKING LINE EPOXY 10-INCH (WHITE)	
17	MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	
20	MARKING ARROW EPOXY (WHITE)	
21	MARKING WORD EPOXY (WHITE)	
22	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)	
23	MARKING STOP LINE EPOXY 18-INCH (WHITE)	
24	MARKING CURB EPOXY (YELLOW)	
25	MARKING ISLAND NOSE EPOXY (YELLOW)	
27	MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)	
31	MARKING LINE EPOXY 4-INCH (YELLOW)	
34	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	
36	MARKING LINE EPOXY 8-INCH (WHITE)	

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 60 E

2

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

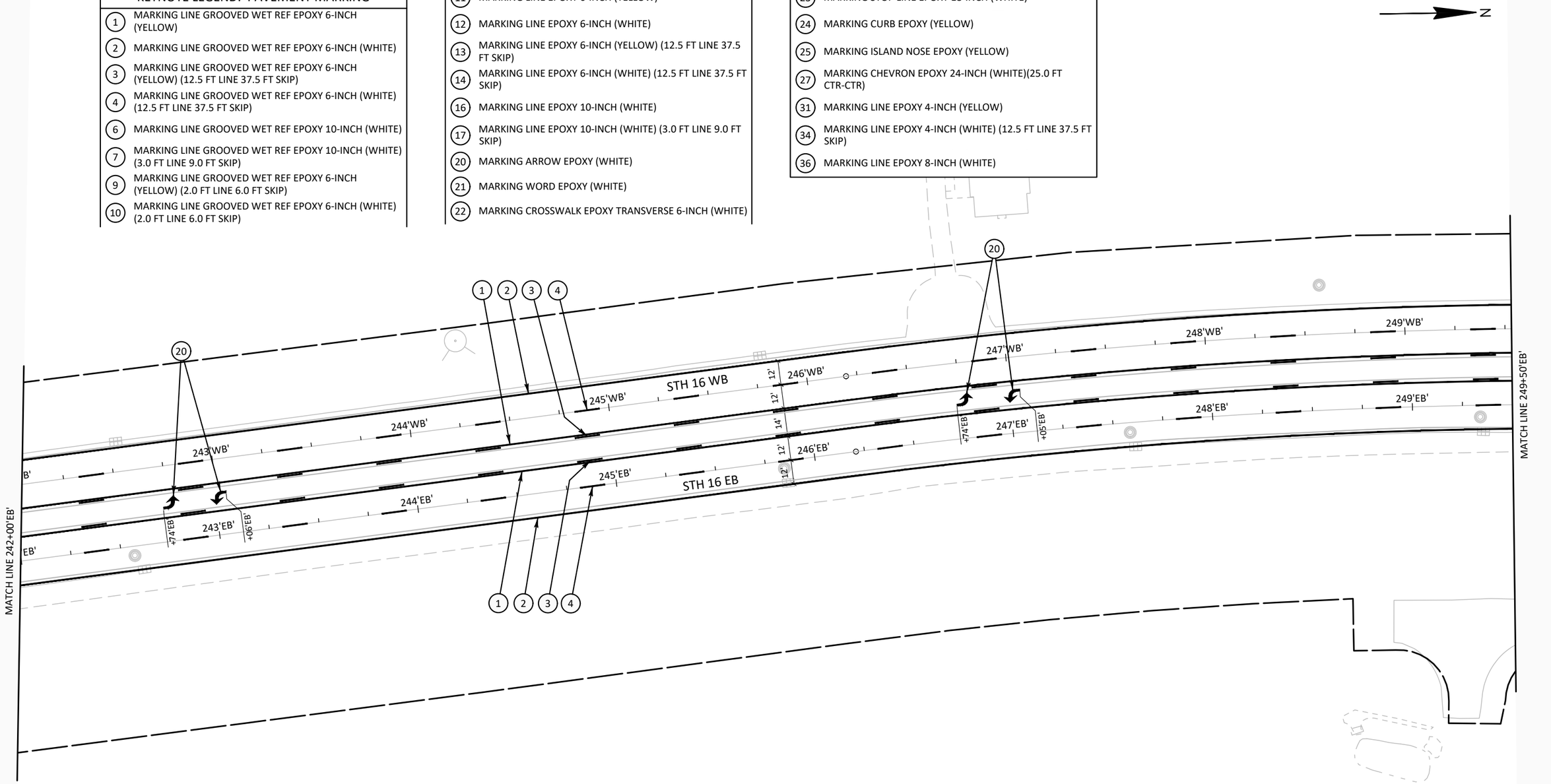


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 61 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:03 PM PLOT BY : SEH LAYOUT NAME : 11 PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)



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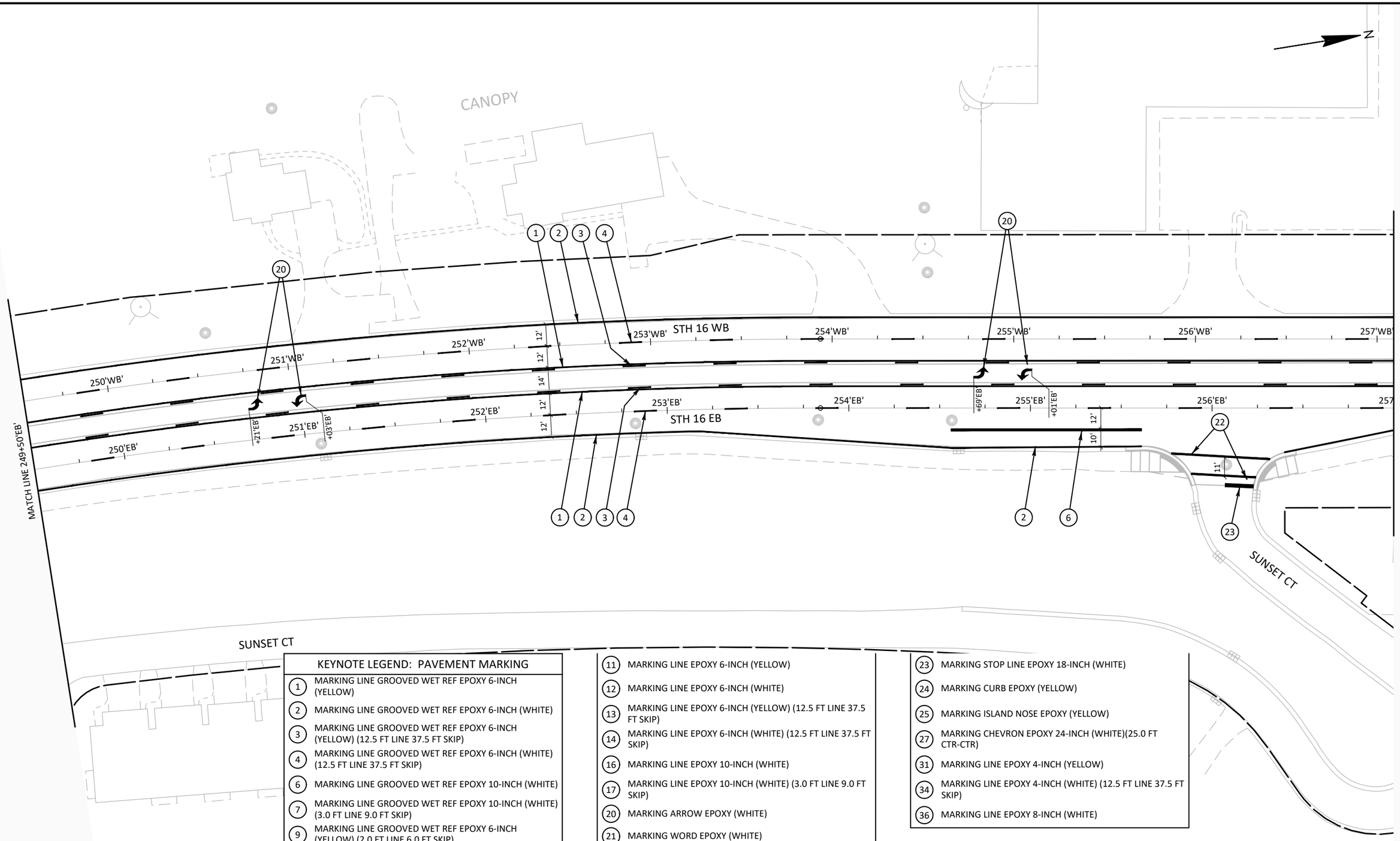


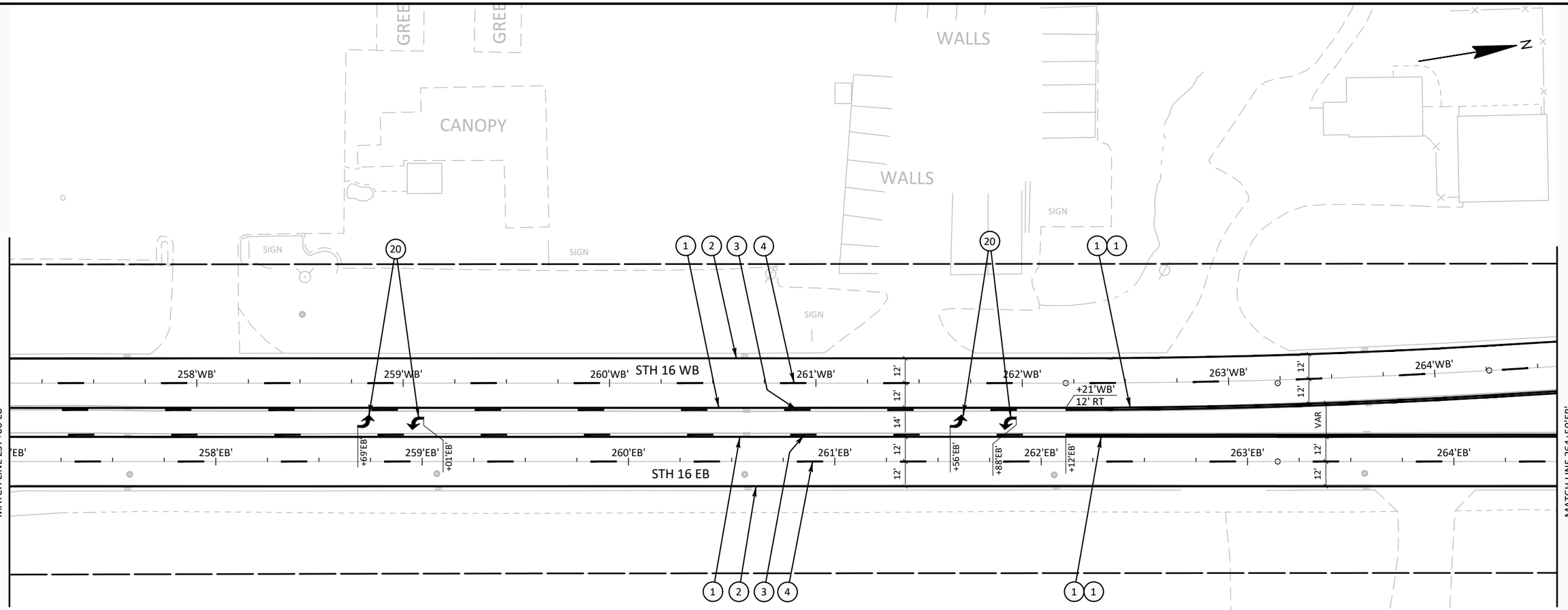
KEYNOTE LEGEND: PAVEMENT MARKING		
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	11 MARKING LINE EPOXY 6-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	12 MARKING LINE EPOXY 6-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	13 MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	14 MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	16 MARKING LINE EPOXY 10-INCH (WHITE)
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	17 MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)	20 MARKING ARROW EPOXY (WHITE)
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)	21 MARKING WORD EPOXY (WHITE)
		22 MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)

23	MARKING STOP LINE EPOXY 18-INCH (WHITE)			
24	MARKING CURB EPOXY (YELLOW)			
25	MARKING ISLAND NOSE EPOXY (YELLOW)			
27	MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)			
31	MARKING LINE EPOXY 4-INCH (YELLOW)			
34	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)			
36	MARKING LINE EPOXY 8-INCH (WHITE)			

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 63 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg
PLOT DATE : 7/17/2024 3:03 PM
PLOT BY : SEH
LAYOUT NAME : 13
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

2



KEYNOTE LEGEND: PAVEMENT MARKING	
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11	MARKING LINE EPOXY 6-INCH (YELLOW)
12	MARKING LINE EPOXY 6-INCH (WHITE)
13	MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14	MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16	MARKING LINE EPOXY 10-INCH (WHITE)
17	MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20	MARKING ARROW EPOXY (WHITE)
21	MARKING WORD EPOXY (WHITE)
22	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23	MARKING STOP LINE EPOXY 18-INCH (WHITE)
24	MARKING CURB EPOXY (YELLOW)
25	MARKING ISLAND NOSE EPOXY (YELLOW)
27	MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31	MARKING LINE EPOXY 4-INCH (YELLOW)
34	MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36	MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 64	E

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

MATCH EXISTING MARKING LINES

GILLETTE ST

ONLY

ONLY

STH 16 WB

STH 16 EB

SUNSET LN

MATCH EX EDGE & CHANEL LINES

MATCH LINE 264+50'EB'

MATCH LINE 272+00'EB'

SEPC

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 65 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:04 PM PLOT BY : SEH LAYOUT NAME : 15 PLOT SCALE : 1.0 IN = 50.0 FT

WISDOT/CADDS SHEET 42

2

N

SIGN

SIGN

MATCH LINE 272+00'EB'

MATCH LINE 279+50'EB'

STH 16 WB

STH 16 EB

FRONTAGE RD

SIGN

'EB' 273'EB' 274'EB' 275'EB' 276'EB' 277'EB' 278'EB' 279'EB'

273'WB' 274'WB' 275'WB' 276'WB' 277'WB' 278'WB' 279'WB'

+38'WB' +38'WB'

12' 12' 12' 12' 12' 12'

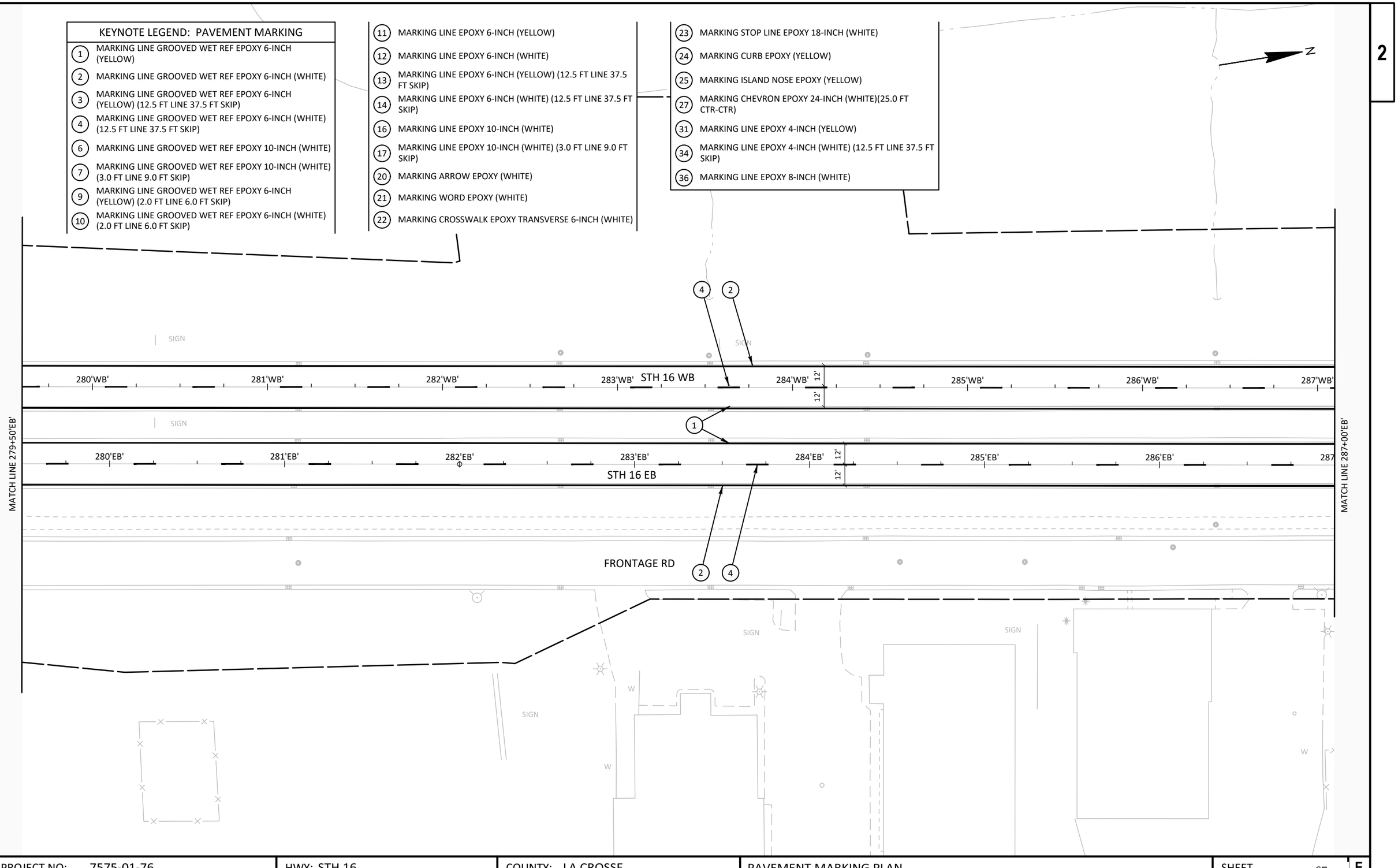
KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 66	E

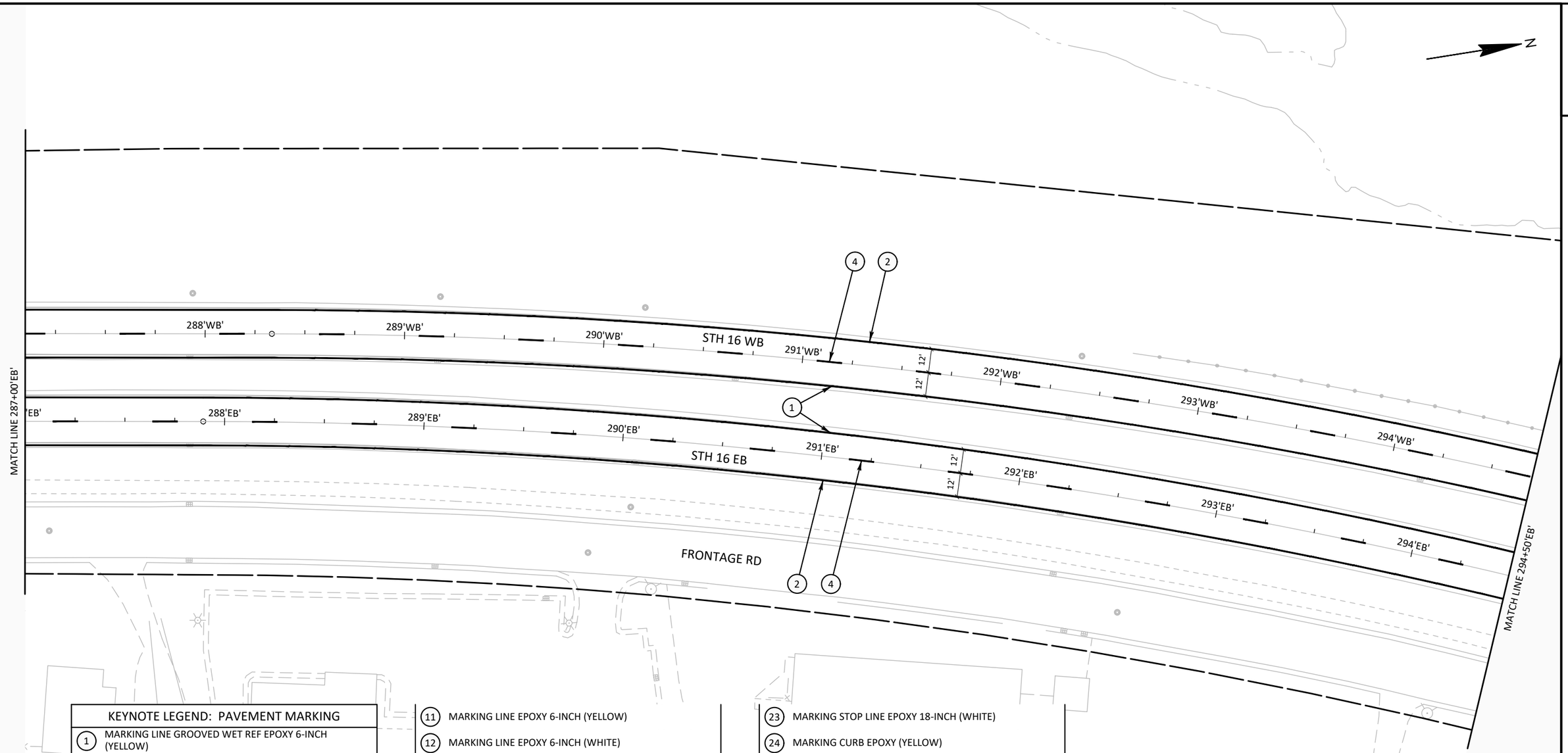
KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 67 E

2



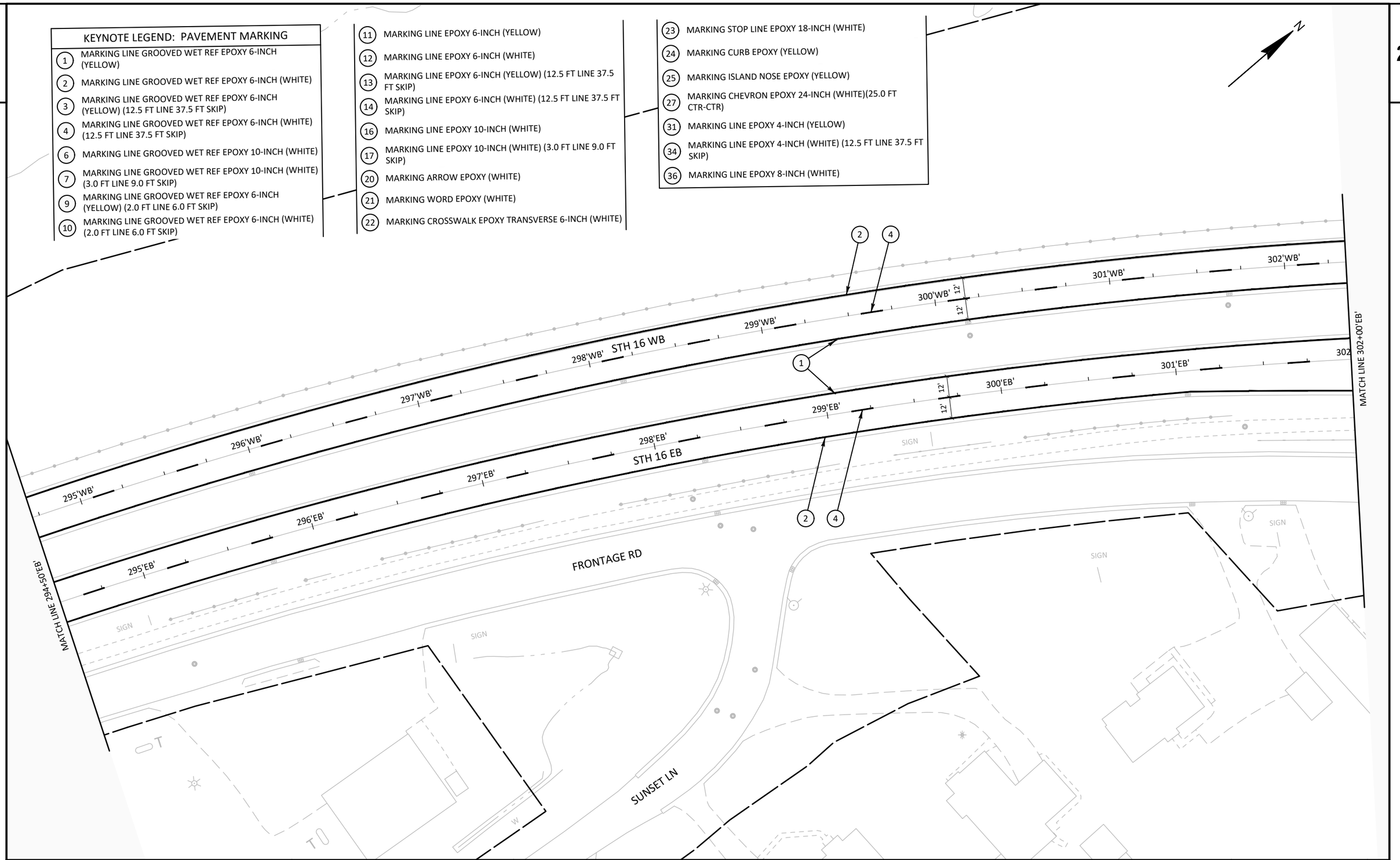
KEYNOTE LEGEND: PAVEMENT MARKING		
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	11 MARKING LINE EPOXY 6-INCH (YELLOW)
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	12 MARKING LINE EPOXY 6-INCH (WHITE)
3	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)	13 MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)	14 MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	16 MARKING LINE EPOXY 10-INCH (WHITE)
7	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)	17 MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)	20 MARKING ARROW EPOXY (WHITE)
10	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)	21 MARKING WORD EPOXY (WHITE)
		22 MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
		23 MARKING STOP LINE EPOXY 18-INCH (WHITE)
		24 MARKING CURB EPOXY (YELLOW)
		25 MARKING ISLAND NOSE EPOXY (YELLOW)
		27 MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
		31 MARKING LINE EPOXY 4-INCH (YELLOW)
		34 MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
		36 MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 68 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:04 PM PLOT BY : SEH LAYOUT NAME : 18 PLOT SCALE : 1.0 IN = 50.0 FT

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 69 E

2

CONOCO RD

STH 16 WB

STH 16 EB

SUNSET LN

MATCH LINE 302+00'EB'

MATCH LINE 309+50'EB'

303'WB' 304'WB' 305'WB' 306'WB' 307'WB' 308'WB' 309'WB'

303'EB' 304'EB' 305'EB' 306'EB' 307'EB' 308'EB' 309'EB'

+51'EB'

12' 7'

SIGN

KEYNOTE LEGEND: PAVEMENT MARKING

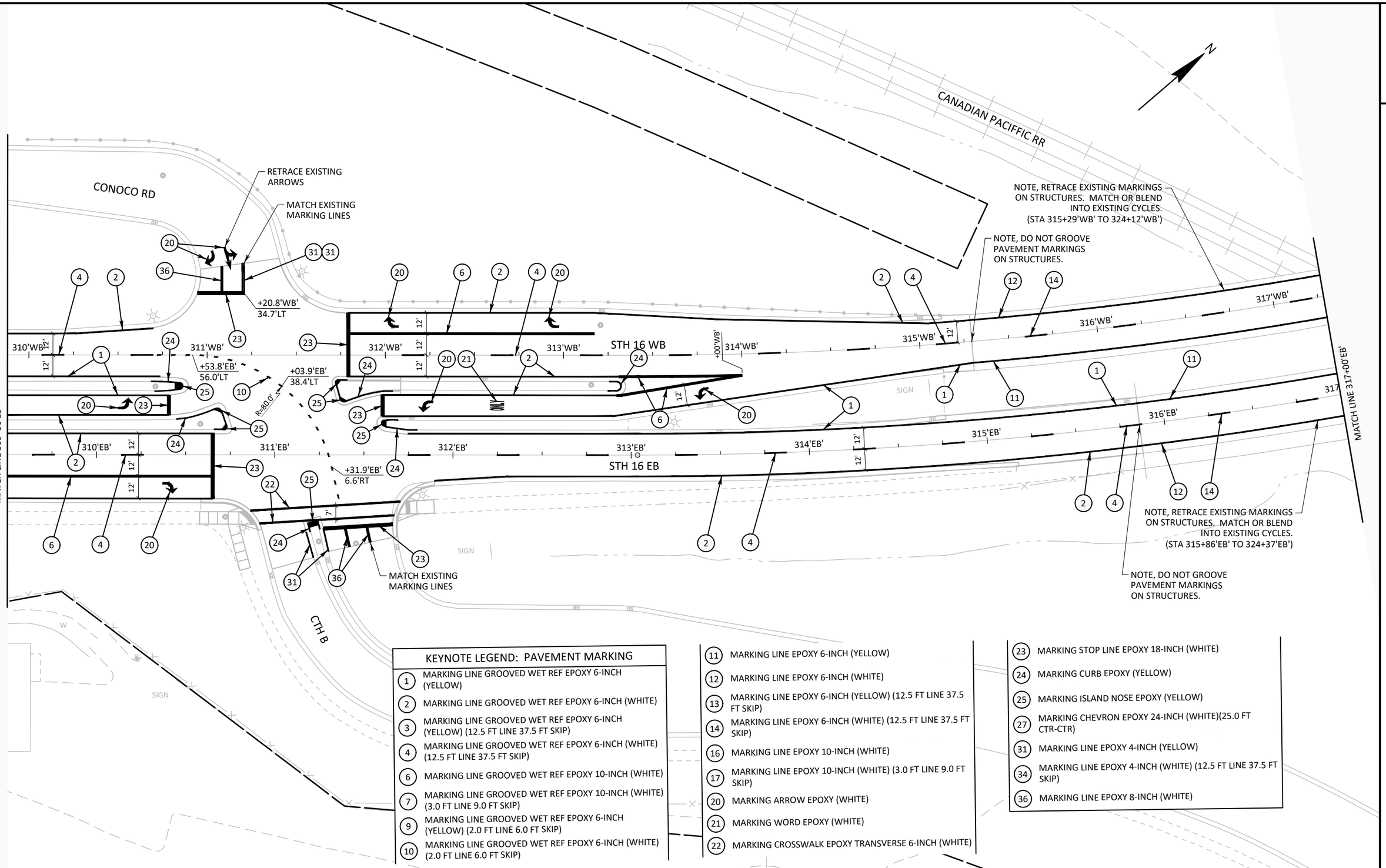
1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 70 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:05 PM PLOT BY : SEH LAYOUT NAME : 20 PLOT SCALE : 1.0 IN = 50.0 FT

WISDOT/CADDS SHEET 42

2



KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
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16. MARKING LINE EPOXY 10-INCH (WHITE)
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20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
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23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 71 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg
PLOT DATE : 7/17/2024 3:05 PM
PLOT BY : SEH
LAYOUT NAME : 21
PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

2

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
13. MARKING LINE EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
14. MARKING LINE EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

MATCH LINE 317+00'EB'

318'WB' 319'WB' 320'WB' STH 16 WB 321'WB' 322'WB' 323'WB' 324'WB'

318'EB' 319'EB' 320'EB' STH 16 EB 321'EB' 322'EB' 323'EB' 324'EB'

NOTE, RETRACE EXISTING MARKINGS ON STRUCTURES. MATCH OR BLEND INTO EXISTING CYCLES. (STA 315+29'WB' TO 324+12'WB')

NOTE, RETRACE EXISTING MARKINGS ON STRUCTURES. MATCH OR BLEND INTO EXISTING CYCLES. (STA 315+86'EB' TO 324+37'EB')

NOTE, DO NOT GROOVE PAVEMENT MARKINGS ON STRUCTURES.

CANADIAN PACIFFIC RR

TOWER

MATCH LINE 324+50'EB'

N

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 72	E

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
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16. MARKING LINE EPOXY 10-INCH (WHITE)
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20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

2

2

N

12TH AVE S

NOTE, RETRACE EXISTING MARKINGS, MATCH OR BLEND INTO EXISTING CYCLES.
STA 324+37'EB' TO 337+36'EB'
STA 324+12'WB' TO 337+17'WB'

SIGN

325'WB' 326'WB' 327'WB' 328'WB' STH 16 WB 329'WB' 330'WB' 331'WB' 332'WB'

NOTE, DO NOT GROOVE PAVEMENT MARKINGS ON STRUCTURES.

MATCH LINE 324+50'EB'

325'EB' 326'EB' 327'EB' 328'EB' STH 16 EB 329'EB' 330'EB' 331'EB' 332

MATCH LINE 332+00'EB'

12TH AVE S

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 73 E

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
7. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
9. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (2.0 FT LINE 6.0 FT SKIP)
10. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (2.0 FT LINE 6.0 FT SKIP)
11. MARKING LINE EPOXY 6-INCH (YELLOW)
12. MARKING LINE EPOXY 6-INCH (WHITE)
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16. MARKING LINE EPOXY 10-INCH (WHITE)
17. MARKING LINE EPOXY 10-INCH (WHITE) (3.0 FT LINE 9.0 FT SKIP)
20. MARKING ARROW EPOXY (WHITE)
21. MARKING WORD EPOXY (WHITE)
22. MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
23. MARKING STOP LINE EPOXY 18-INCH (WHITE)
24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
31. MARKING LINE EPOXY 4-INCH (YELLOW)
34. MARKING LINE EPOXY 4-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
36. MARKING LINE EPOXY 8-INCH (WHITE)

NOTE, RETRACE EXISTING MARKINGS,
MATCH OR BLEND INTO EXISTING CYCLES.
STA 324+37'EB' TO 337+36'EB'
STA 324+12'WB' TO 337+17'WB'

N

MATCH LINE 332+00'EB'

MATCH LINE 339+50'EB'

STH 16 WB

333'WB' 334'WB' 335'WB' 336'WB' 337'WB' 338'WB' 339'WB'

STH 16 EB

333'EB' 334'EB' 335'EB' 336'EB' 337'EB' 338'EB' 339'EB'

12'

MEDCO CT

SIGN

MEDARY LN

ANT

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 74 E

KEYNOTE LEGEND: PAVEMENT MARKING

1. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
2. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
3. MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW) (12.5 FT LINE 37.5 FT SKIP)
4. MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE) (12.5 FT LINE 37.5 FT SKIP)
6. MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
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11. MARKING LINE EPOXY 6-INCH (YELLOW)
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24. MARKING CURB EPOXY (YELLOW)
25. MARKING ISLAND NOSE EPOXY (YELLOW)
27. MARKING CHEVRON EPOXY 24-INCH (WHITE)(25.0 FT CTR-CTR)
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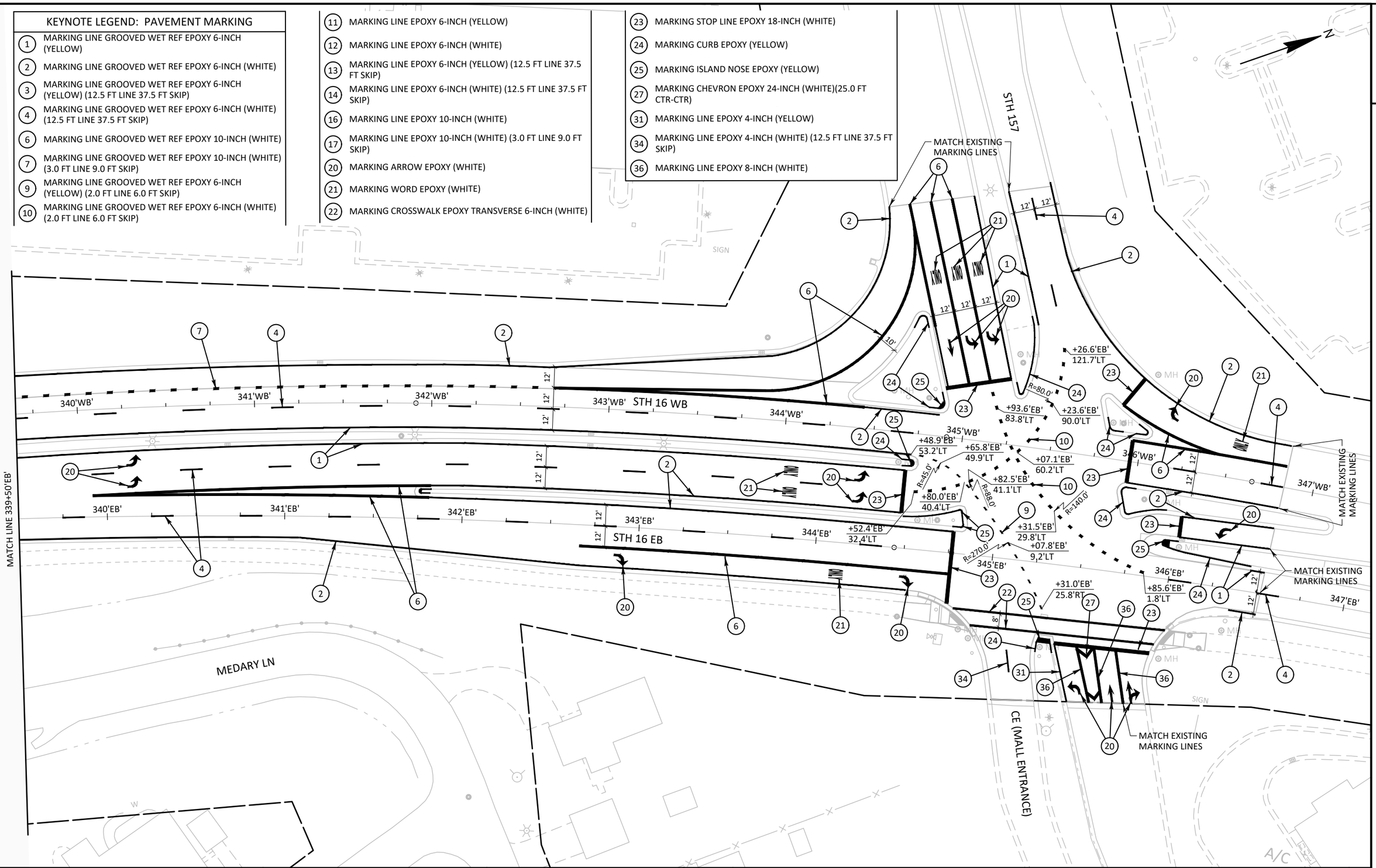


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PAVEMENT MARKING PLAN	SHEET 75 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\024500_pm_SOUTH (Pvmnt Marking).dwg PLOT DATE : 7/17/2024 3:06 PM PLOT BY : SEH LAYOUT NAME : 25 PLOT SCALE : 1.0 IN = 50.0 FT
WISDOT/CADDS SHEET 42

2

STAGE A-1
CONSTRUCT BASE PATCHING AND PAVEMENT DURING A CONTINUOUS CLOSURE.
- SINGLE LANE BI-DIRECTIONAL TRAFFIC TO RUN ALONG WEST SIDE OF STH 16.
- LA CROSSE ST AND EDGEWOOD PLACE WILL FUNCTION AS RIGHT-IN /RIGHT-OUT ONLY.
- SEE STAGE A DETOUR SHEET FOR PCMS REQUIREMENTS.

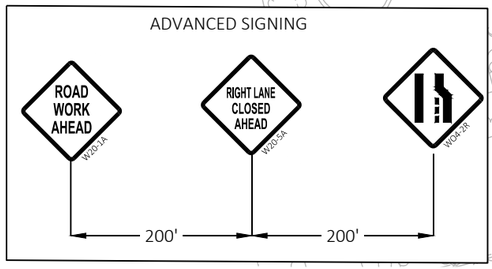
- SEE PLAN ID 3700-10-64 FOR INFORMATION ON CURB RAMP DESIGN AT EDGEWOOD PLACE.

PLACE PCMS ON LOSEY BLVD & STH 16 PRIOR TO WORK ZONE WITH PRE-WARN MESSAGE 1-WEEK PRIOR TO START OF CONSTRUCTION.

PCMS MESSAGE (PRE-WARN):

PHASE 1	PHASE 2
HWY 16	STARTING
ROAD	X/XX
WORK	

ADVANCED SIGNING



PLACE PCMS WITH PRE-WARN MESSAGE 1 WEEK PRIOR TO CONSTRUCTION START

CLOSE OUTSIDE EB LANE, FOLLOW SDD 15D20 TRAFFIC CONTROL, LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

CONSTRUCT THE PAVEMENT AT EDGEWOOD PLACE HALF AT A TIME TO MAINTAIN RIGHT-IN/RIGHT-OUT TRAFFIC.

MERGE WB TRAFFIC DOWN TO ONE LANE BY CLOSING INSIDE WB LANE, FOLLOW SDD 15D12 TRAFFIC CONTROL, LANE CLOSURE. CROSS EB TRAFFIC BACK TO EB LANES AFTER WORK ZONE.

SPACE 42-INCH CONES AT 5 FEET TO PREVENT LEFT TURNS TO EDGEWOOD PLACE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH (TWLTL MARKINGS)

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

ROAD CLOSED R11-2 48"X30"
R3-2 24"X24"
STOP R1-1 36"X36"
LANE CLOSED R11-2L 48"X30"
W01-4L
MB
W06-3

EDGEWOOD PLACE
LOSEY BOULEVARD NORTH
LOSEY BLVD
LOSEY CT
24TH ST NORTH
STH 16 LA CROSSE ST
TENNIS COURT
BIKE PATH
SIGN

LEGEND

	TYPE III / III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	TRAFFIC CONTROL 42-INCH CONE
	WORK AREA
	DIRECTION OF TRAFFIC
MB	PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE A-1	SHEET 76	E

2

STAGE A-2
CONSTRUCT BASE PATCHING AND PAVEMENT DURING A CONTINUOUS CLOSURE.

- SINGLE LANE BI-DIRECTIONAL TRAFFIC TO RUN ALONG EAST SIDE OF STH 16.
- EDGEWOOD PLACE WILL FUNCTION AS RIGHT-IN /RIGHT-OUT ONLY.
- LA CROSSE ST WILL FUNCTION AS RIGHT-IN / RIGHT-OUT ONLY.
- SEE STAGE A DETOUR SHEET FOR PCMS REQUIREMENTS.

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W04-2R

200' 200'

CLOSE INSIDE EB LANE, FOLLOW SDD 15D20 TRAFFIC CONTROL, LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

W01-4R

W04-3R

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

W04-3L 48"X48"

LOSEY BLVD

LOSEY CT

EDGEWOOD PLACE

TENNIS COURT

TENNIS COURT

R3-2 24"X24"

STH 16

MERGE WB TRAFFIC DOWN TO ONE LANE BY CLOSING OUTSIDE WB LANE, FOLLOW SDD 15D12 TRAFFIC CONTROL, LANE CLOSURE. THEN CROSS SINGLE LANE OVER TO EB SIDE PRIOR TO WORK ZONE. CROSS WB TRAFFIC BACK TO WB LANES AFTER WORK ZONE.

SPACE 42-INCH CONES AT 5 FEET TO PREVENT LEFT TURNS TO EDGEWOOD PLACE

LANE CLOSED R11-2L 48"X30"

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH (TWLTL MARKINGS)

LOSEY BOULEVARD NORTH

24TH ST NORTH

STH 16/LA CROSSE ST

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL 42-INCH CONE
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE A-2	SHEET 77	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025111_TC.DWG
LAYOUT NAME - A-2

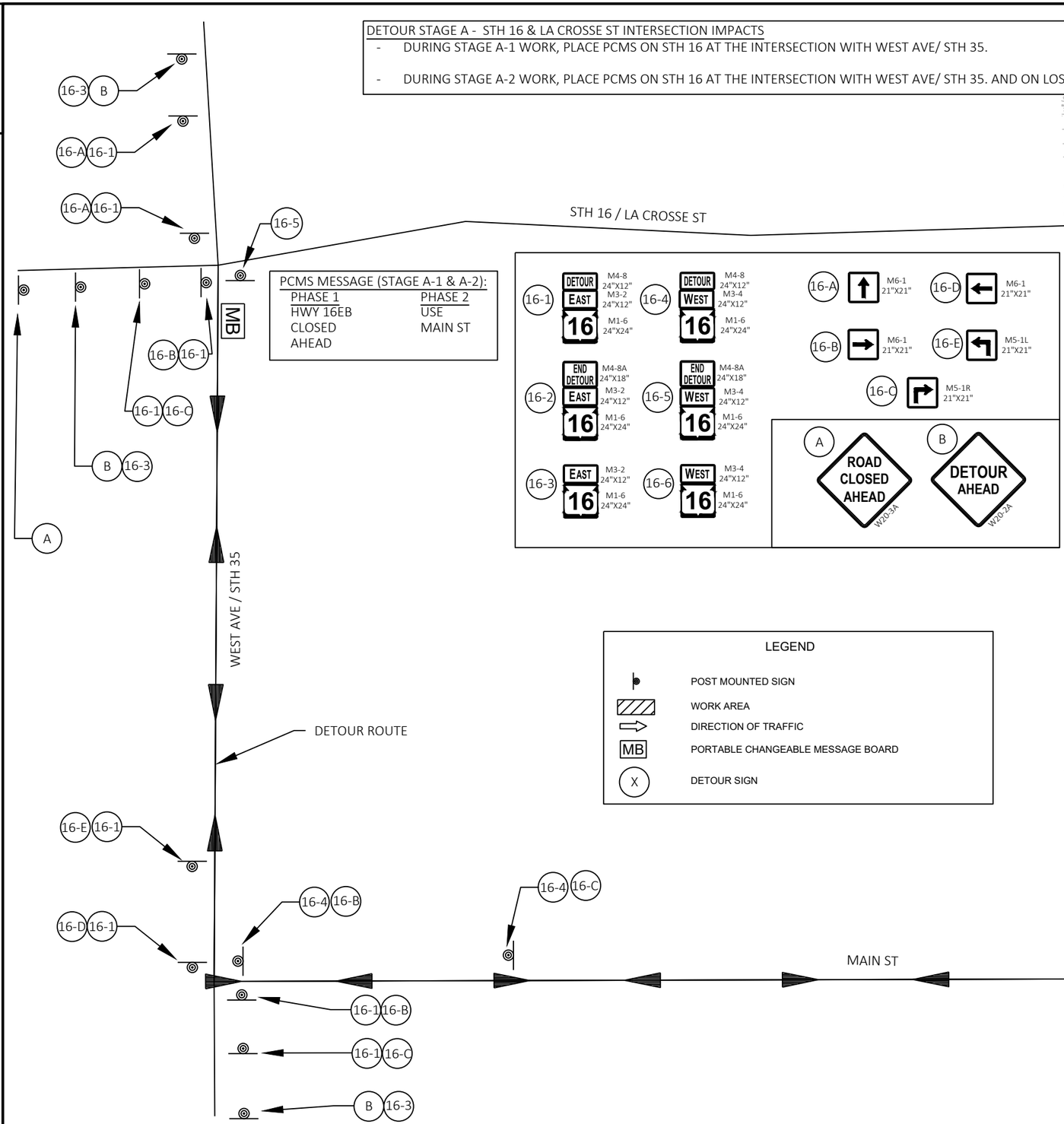
PLOT DATE : 11/27/2024 12:32 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

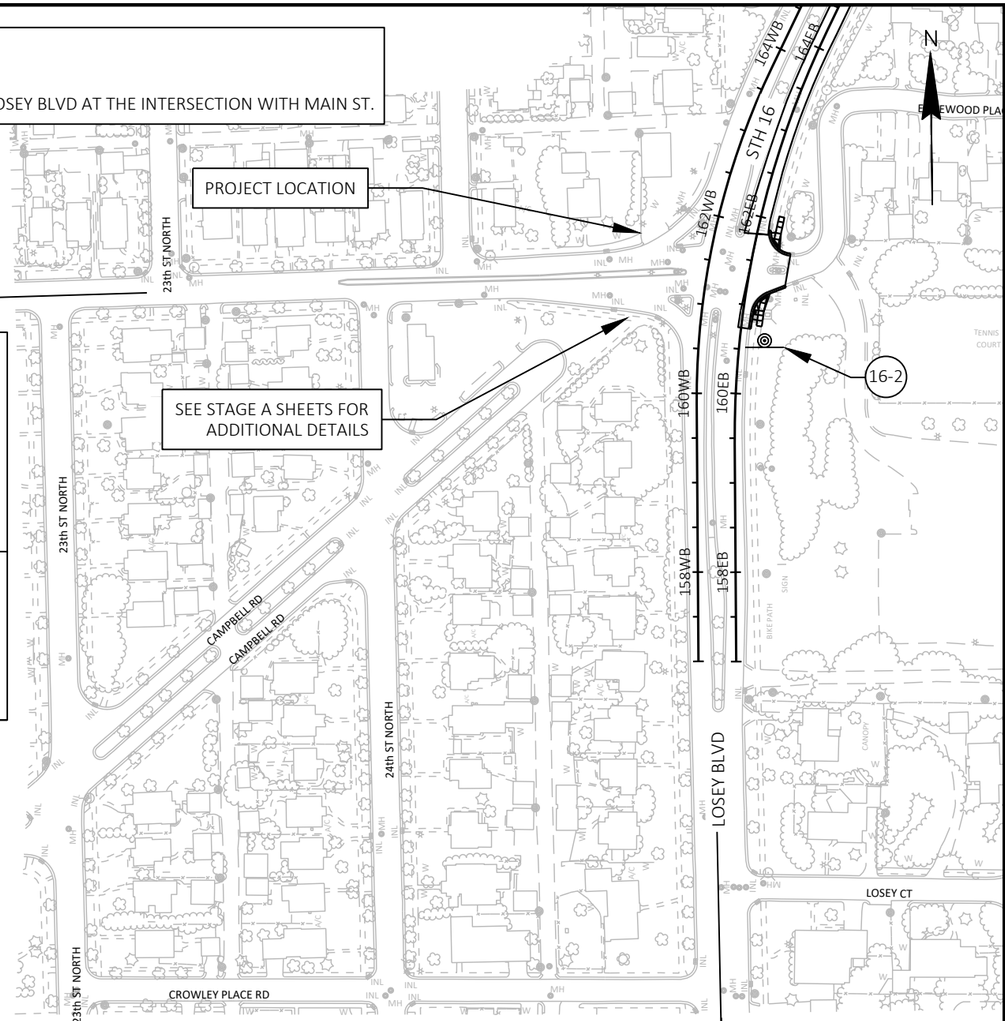
DETOUR STAGE A - STH 16 & LA CROSSE ST INTERSECTION IMPACTS

- DURING STAGE A-1 WORK, PLACE PCMS ON STH 16 AT THE INTERSECTION WITH WEST AVE/ STH 35.
- DURING STAGE A-2 WORK, PLACE PCMS ON STH 16 AT THE INTERSECTION WITH WEST AVE/ STH 35. AND ON LOSEY BLVD AT THE INTERSECTION WITH MAIN ST.



LEGEND

- POST MOUNTED SIGN
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- X — DETOUR SIGN



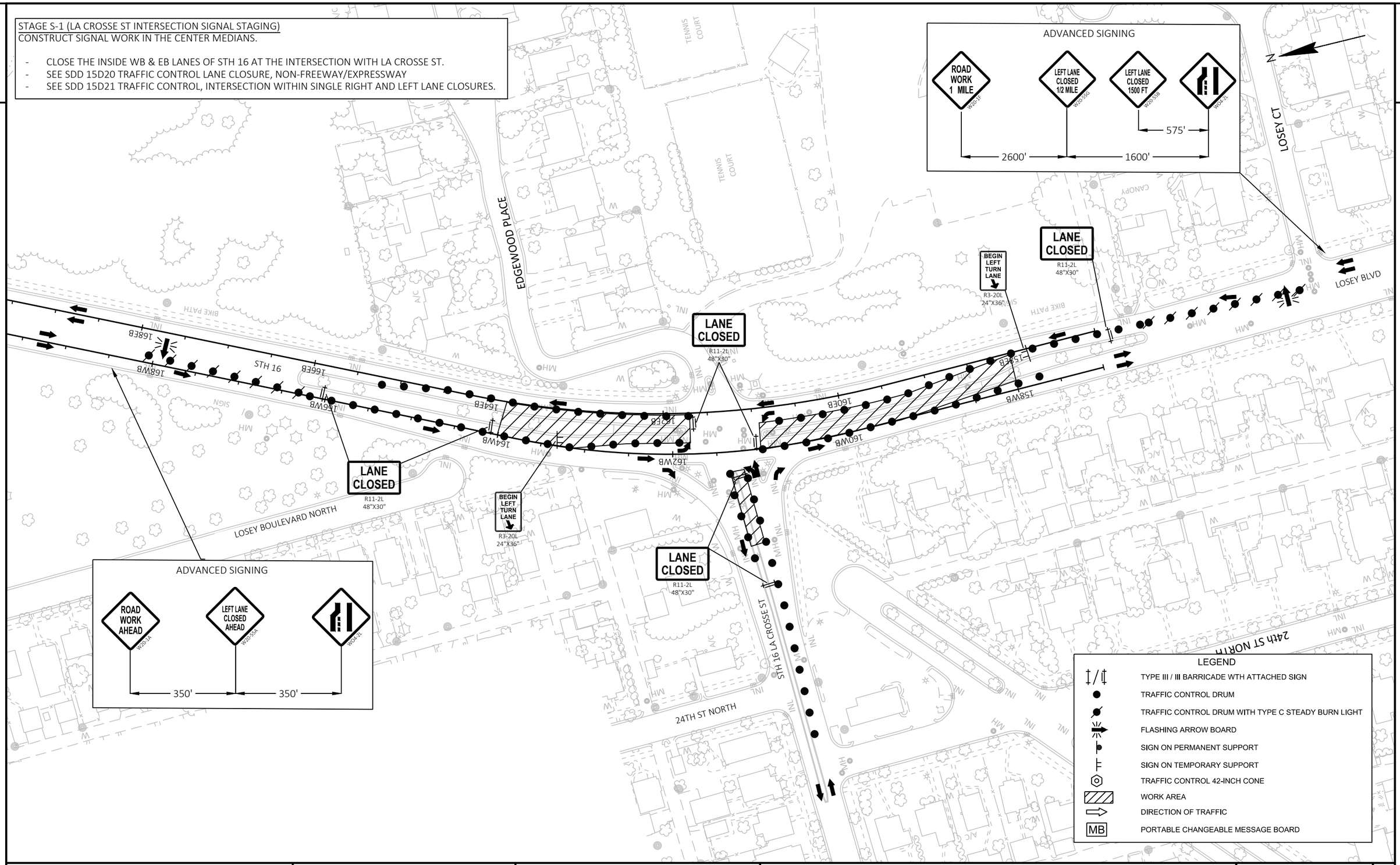
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE A	SHEET 78	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025111_TC.DWG
LAYOUT NAME - A-3
PLOT DATE : 11/27/2024 12:32 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2

STAGE S-1 (LA CROSSE ST INTERSECTION SIGNAL STAGING)
CONSTRUCT SIGNAL WORK IN THE CENTER MEDIANS.

- CLOSE THE INSIDE WB & EB LANES OF STH 16 AT THE INTERSECTION WITH LA CROSSE ST.
- SEE SDD 15D20 TRAFFIC CONTROL LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
- SEE SDD 15D21 TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT AND LEFT LANE CLOSURES.



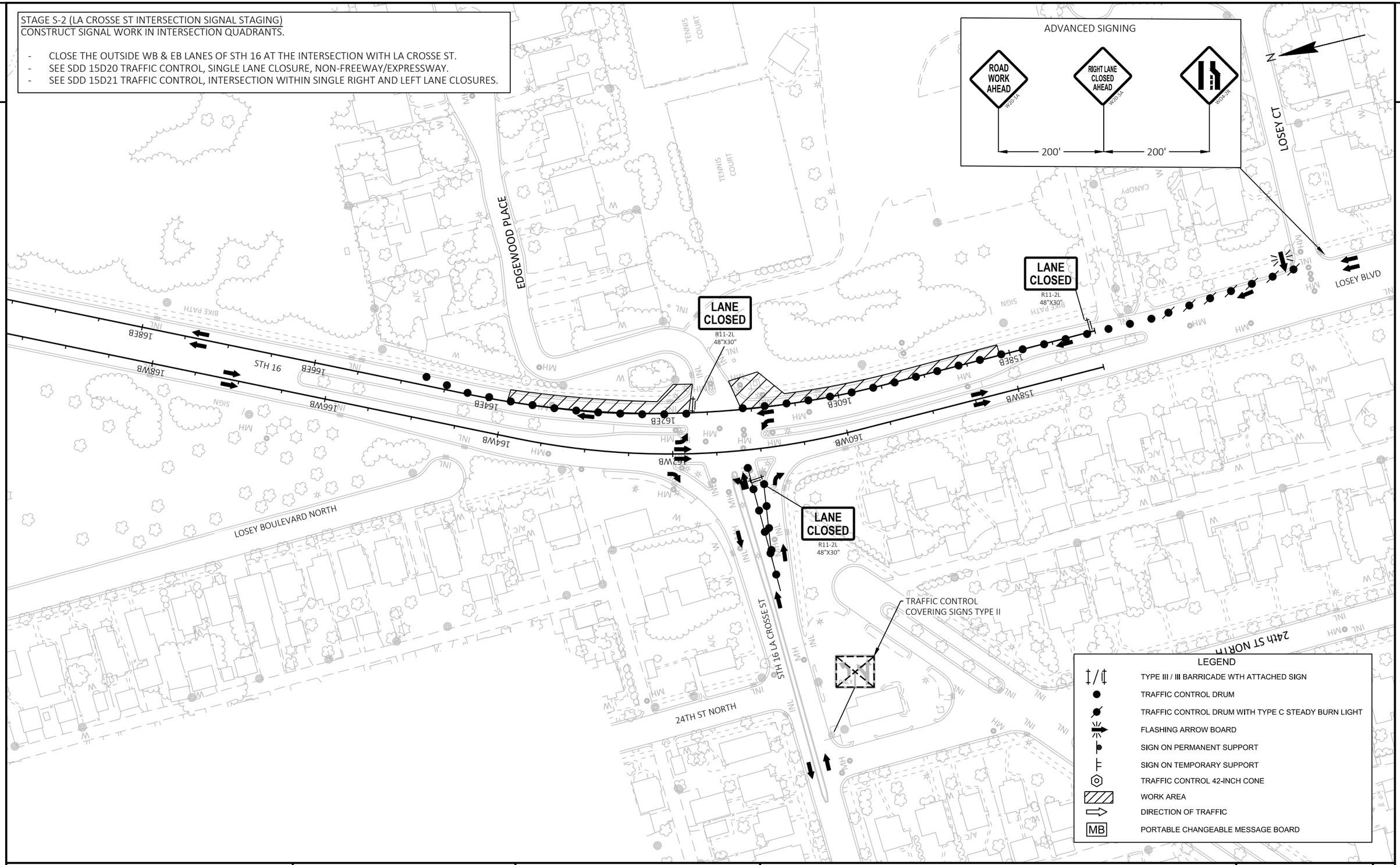
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE S-1	SHEET 79	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025112_TC.DWG
LAYOUT NAME - S-1
PLOT DATE : 11/27/2024 12:38 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

STAGE S-2 (LA CROSSE ST INTERSECTION SIGNAL STAGING)
CONSTRUCT SIGNAL WORK IN INTERSECTION QUADRANTS.

- CLOSE THE OUTSIDE WB & EB LANES OF STH 16 AT THE INTERSECTION WITH LA CROSSE ST.
- SEE SDD 15D20 TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY.
- SEE SDD 15D21 TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT AND LEFT LANE CLOSURES.

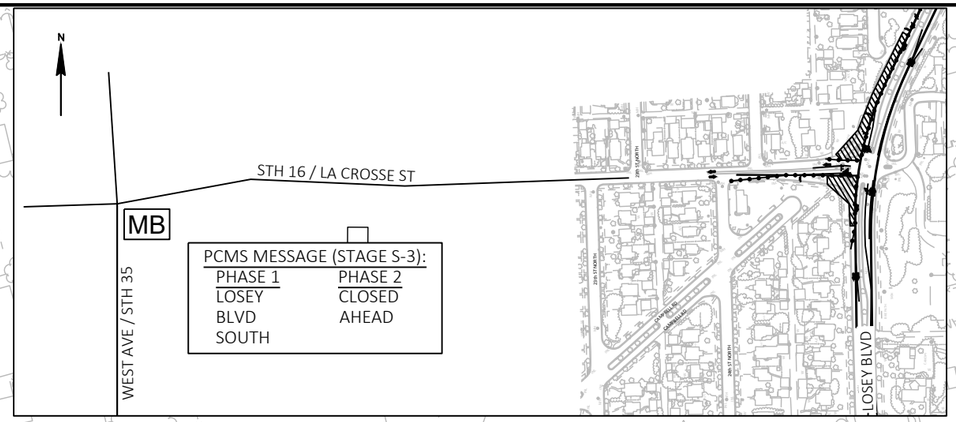


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE S-2	SHEET 80	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025112_TC.DWG
LAYOUT NAME - S-2
PLOT DATE : 11/27/2024 12:38 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

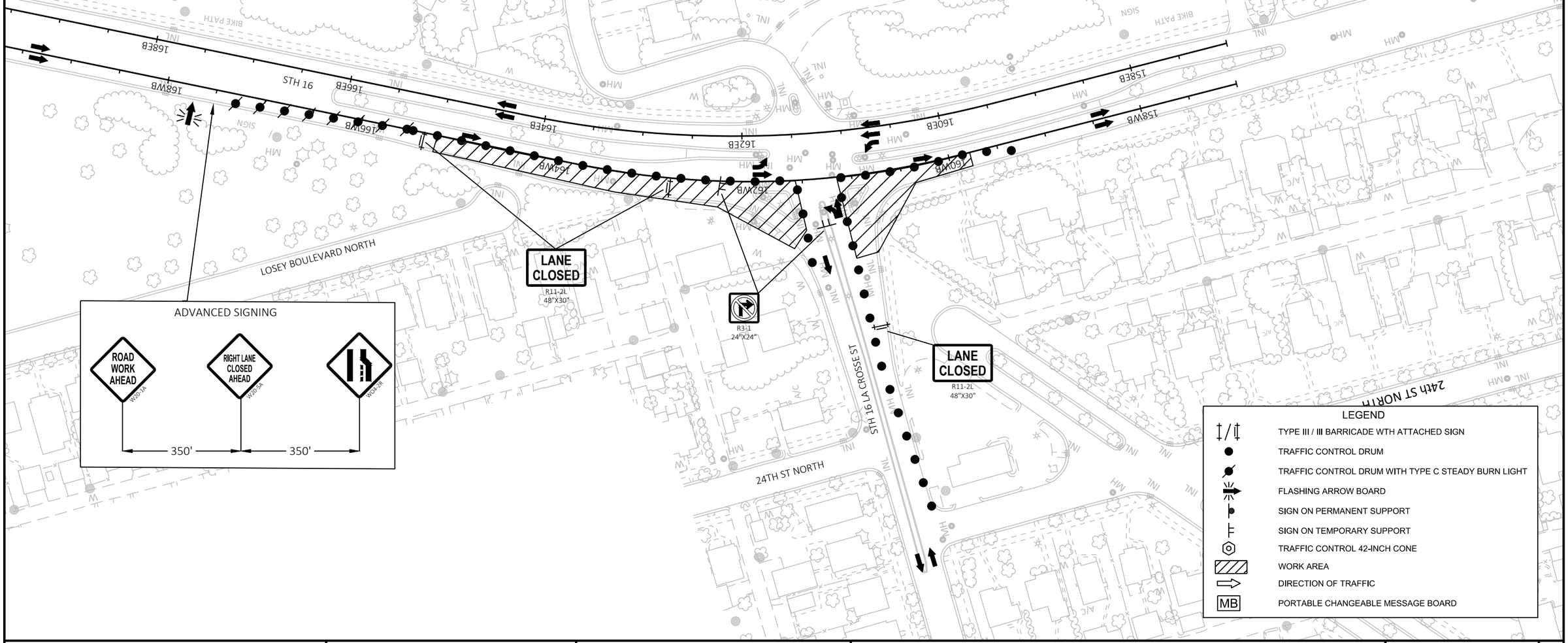
STAGE S-3 (LA CROSSE ST INTERSECTION SIGNAL STAGING)
CONSTRUCT SIGNAL WORK IN INTERSECTION QUADRANTS.

- CLOSE THE OUTSIDE WB LANES OF STH 16 AT THE INTERSECTION WITH LA CROSSE ST.
- LA CROSSE ST WILL FUNCTION AS A LEFT-IN/ LEFT-OUT ONLY.
- SEE SDD 15D20 TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY.
- PLACE PCMS BOARD ON LA CROSSE ST AT WEST AVE INTERSECTION. SEE INSERT FOR DETAILS.



PCMS MESSAGE (STAGE S-3):

PHASE 1	PHASE 2
LOSEY BLVD SOUTH	CLOSED AHEAD



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE S-3	SHEET 81	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025112_TC.DWG
LAYOUT NAME - S-3
PLOT DATE : 11/27/2024 12:39 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W04-2R

200' 200'

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

LA CROSSE ST

END ROAD WORK G20-2A 48"X24"

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

158WB 160WB 162WB 164WB

160EB 162EB 164EB

158EB

180 LF MERGE TAPER

ROAD WORK AHEAD W20-1A

EDGEWOOD PL

MATCH LINE 164+75

STH 16

BIKE PATH

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

195 LF SHIFT TAPER

W06-3

ROAD WORK AHEAD W20-1A

QUARRY RD

166WB 168WB 170WB 172WB 174WB 176WB 178WB 180WB

166EB 168EB 170EB 172EB 174EB 176EB 178EB 180EB

W01-5L

30 MPH W013-1 36"X36"

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE

R11-2L 48" X 30"

LANE CLOSED

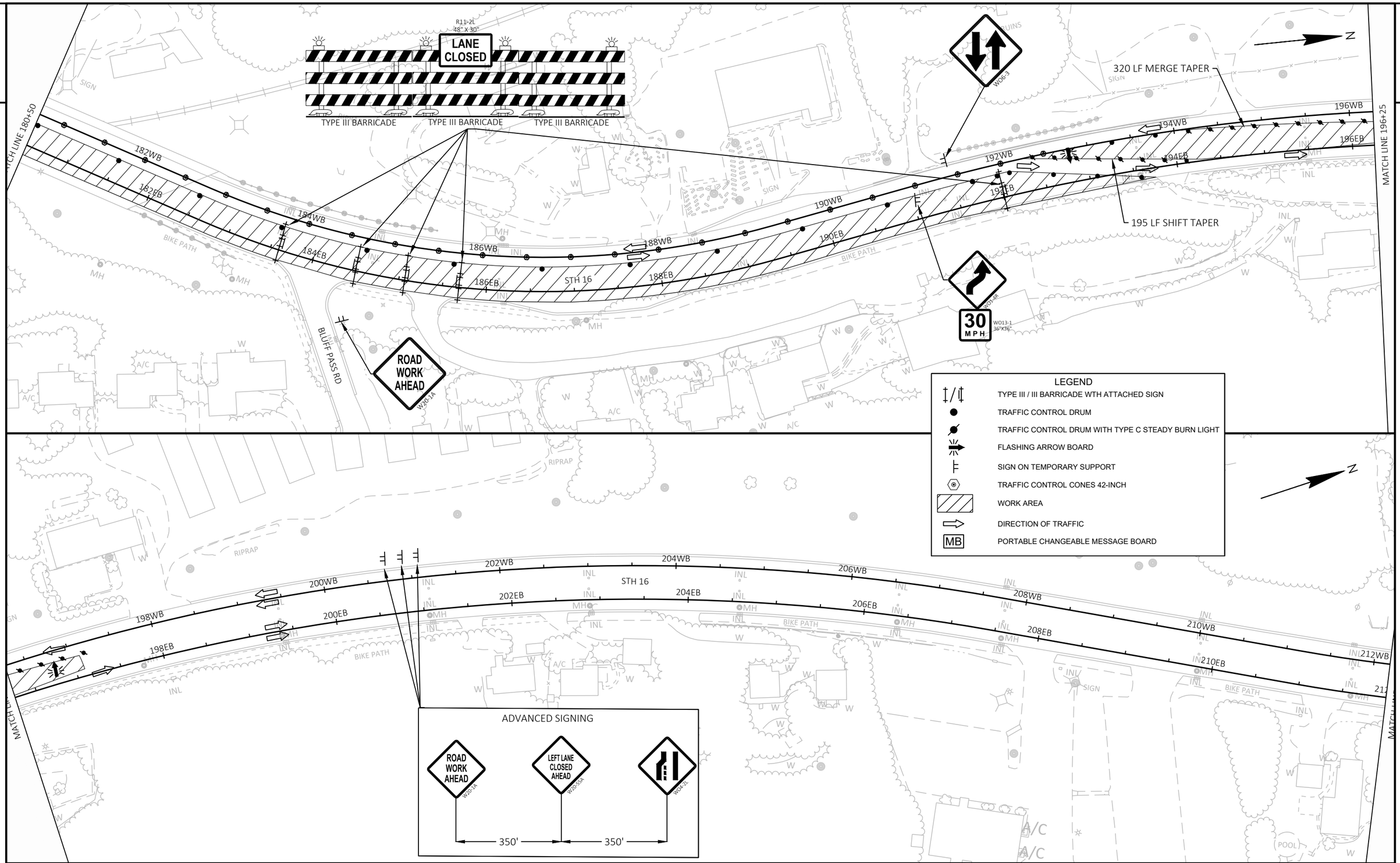
TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-1	SHEET 82	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025102_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/27/2024 12:42 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



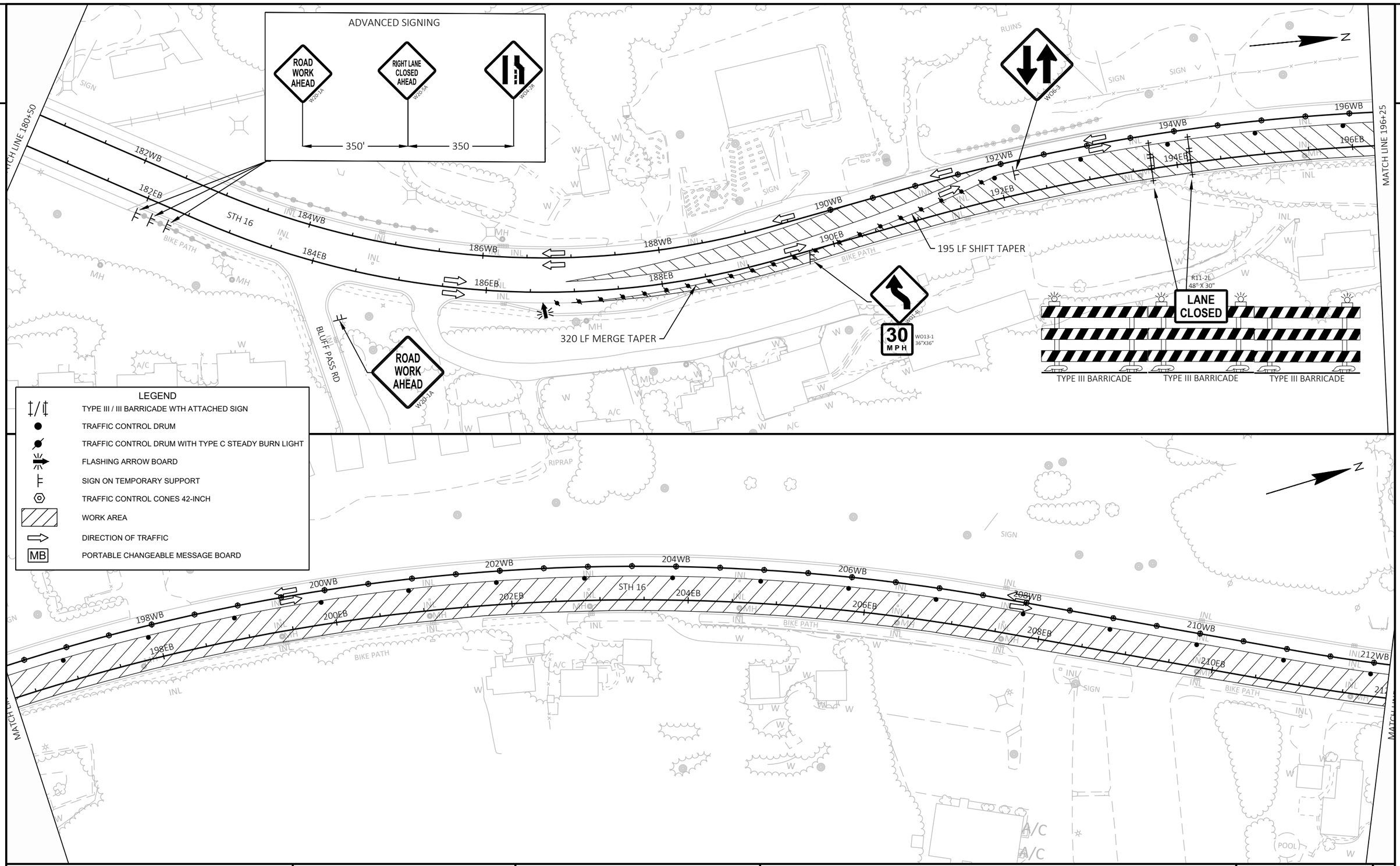
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-1	SHEET 83	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025102_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/27/2024 12:43 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

ADVANCED SIGNING



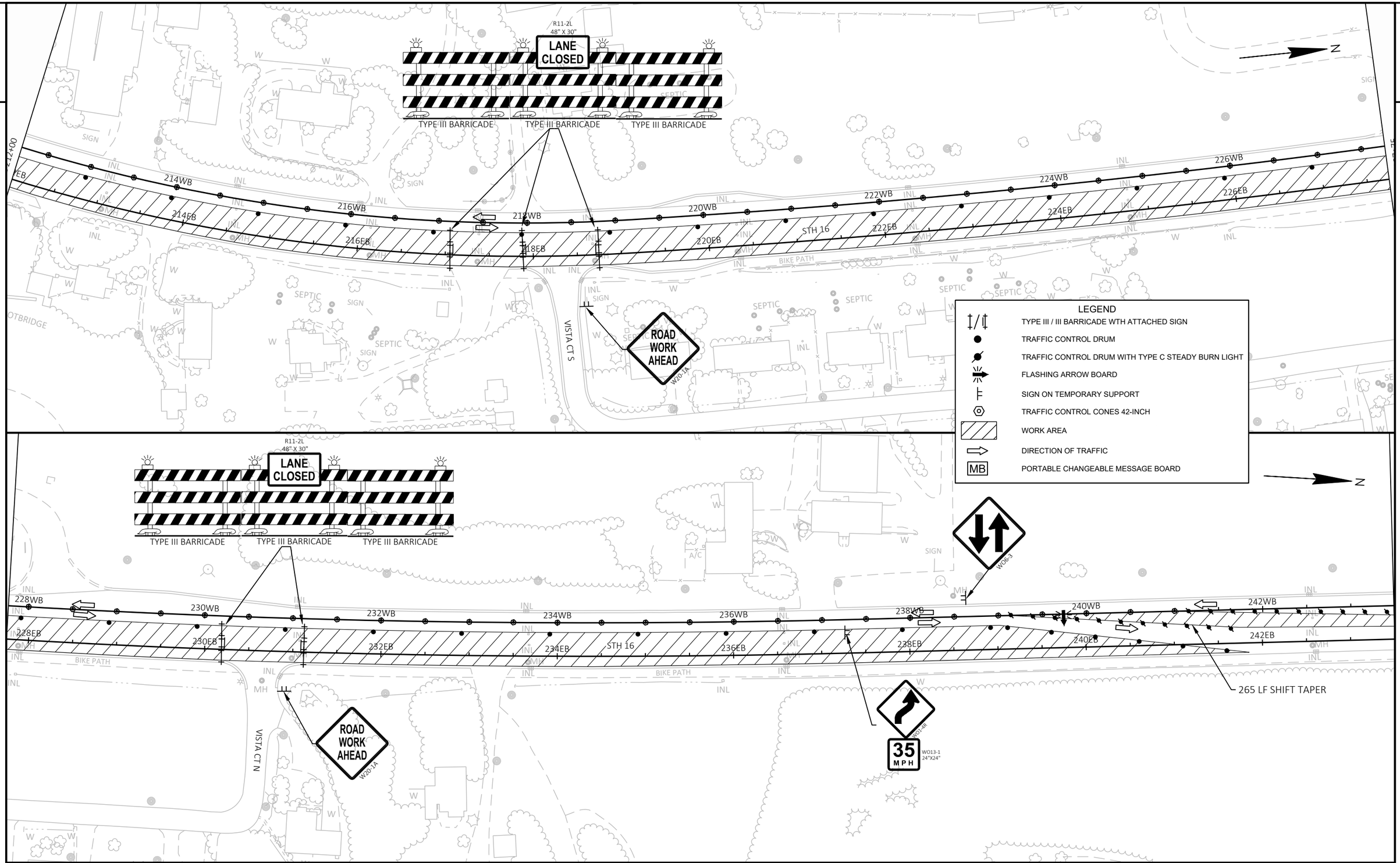
LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-2	SHEET 84	E

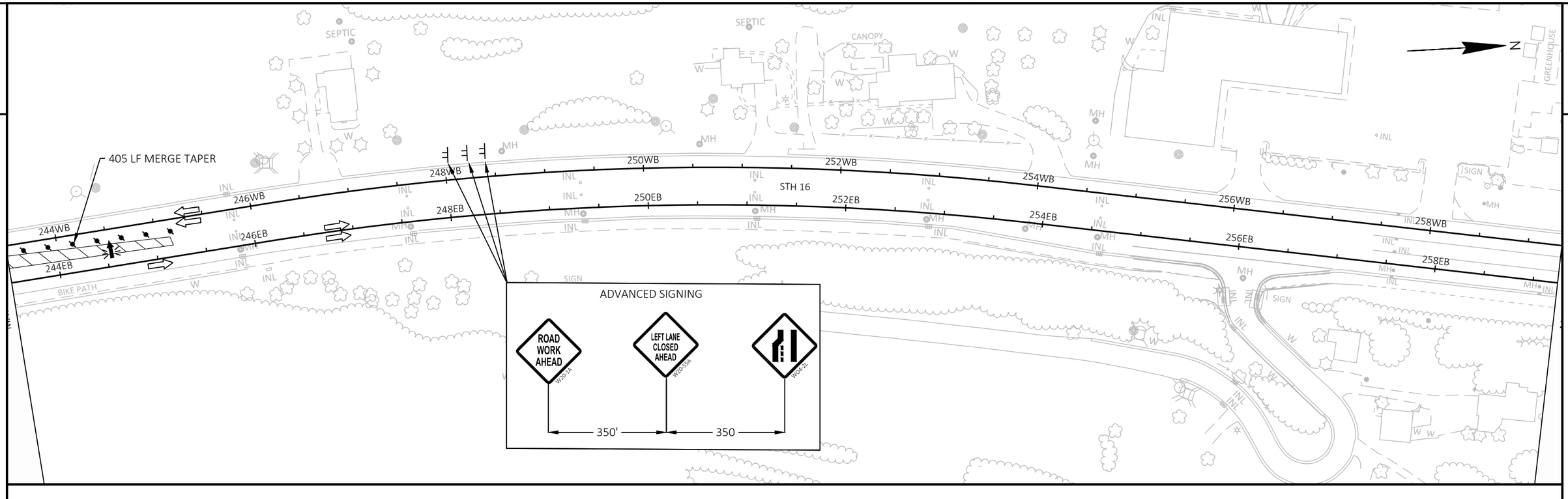
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025103_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 11/27/2024 12:49 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-2	SHEET 85	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025103_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/27/2024 12:50 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-2	SHEET 86	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025103_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 11/27/2024 12:50 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A — 500' — RIGHT LANE CLOSED AHEAD W20-5A — 500 — W01-2R

405 LF MERGE TAPER

265 LF SHIFT TAPER

35 MPH WO13-1 24"X24"

WO13-4L

WO6-3

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD W20-1A

VISTA CT S

VISTA CT N

STH 16

BIKE PATH

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-3	SHEET 87	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025104_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/27/2024 12:53 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

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

244WB 244EB 246WB 246EB 248WB 248EB 250WB 250EB STH 16 252WB 252EB 254WB 254EB 256WB 256EB 258WB 258EB

ROAD WORK AHEAD W20-1A

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

W06-3

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

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

260WB 260EB 262WB 262EB 264WB 264EB 266WB 266EB 268WB 268EB 270WB 270EB 272WB 272EB 274WB 274EB STH 16

CP11 CP10

STOP R1-1F 36"X36"

WO1-6 48"X24"

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

ROAD WORK AHEAD W20-1A

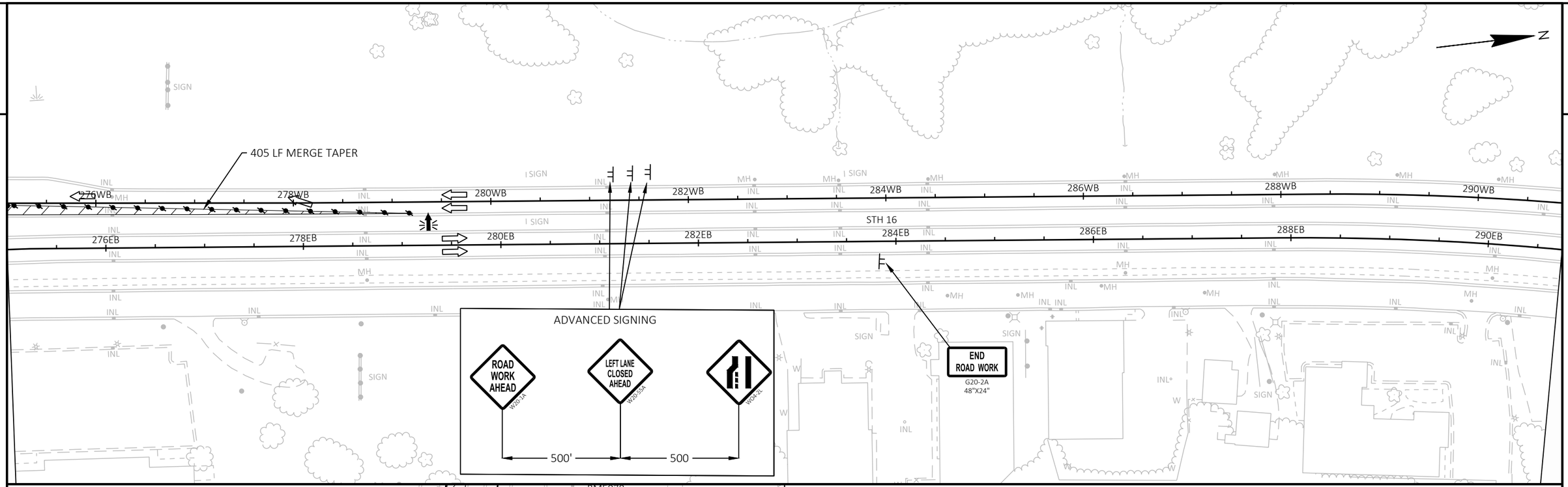
GILLETTE ST SUNSET CT SUNSET LN GREENHOLL

NOTE:
TEMPORARY STOP SIGNS TO BE PLACED AT INTERSECTION.
SIGNAL TO BE PLACED INTO FLASH MODE BY OTHERS.

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-3	SHEET 88	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025104_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/27/2024 12:54 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-3	SHEET 89	E

2

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W04-2R

200' 200'

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

END ROAD WORK G20-2A 48"X24"

ROAD WORK AHEAD W20-1A

LA CROSSE ST

EDGEWOOD PL

MATCH LINE 164+75

158WB 160WB 162WB 164WB

158EB 160EB 162EB 164EB

STH 16

180 LF MERGE TAPER

BIKE PATH

195 LF SHIFT TAPER

W01-4R

30 MPH W13-1 24"X24"

ROAD WORK AHEAD W20-1A

QUARRY RD

166WB 168WB 170WB 172WB 174WB 176WB 178WB 180WB

166EB 168EB 170EB 172EB 174EB 176EB 178EB 180EB

W06-3

R11-2L 48" X 30"

LANE CLOSED

TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

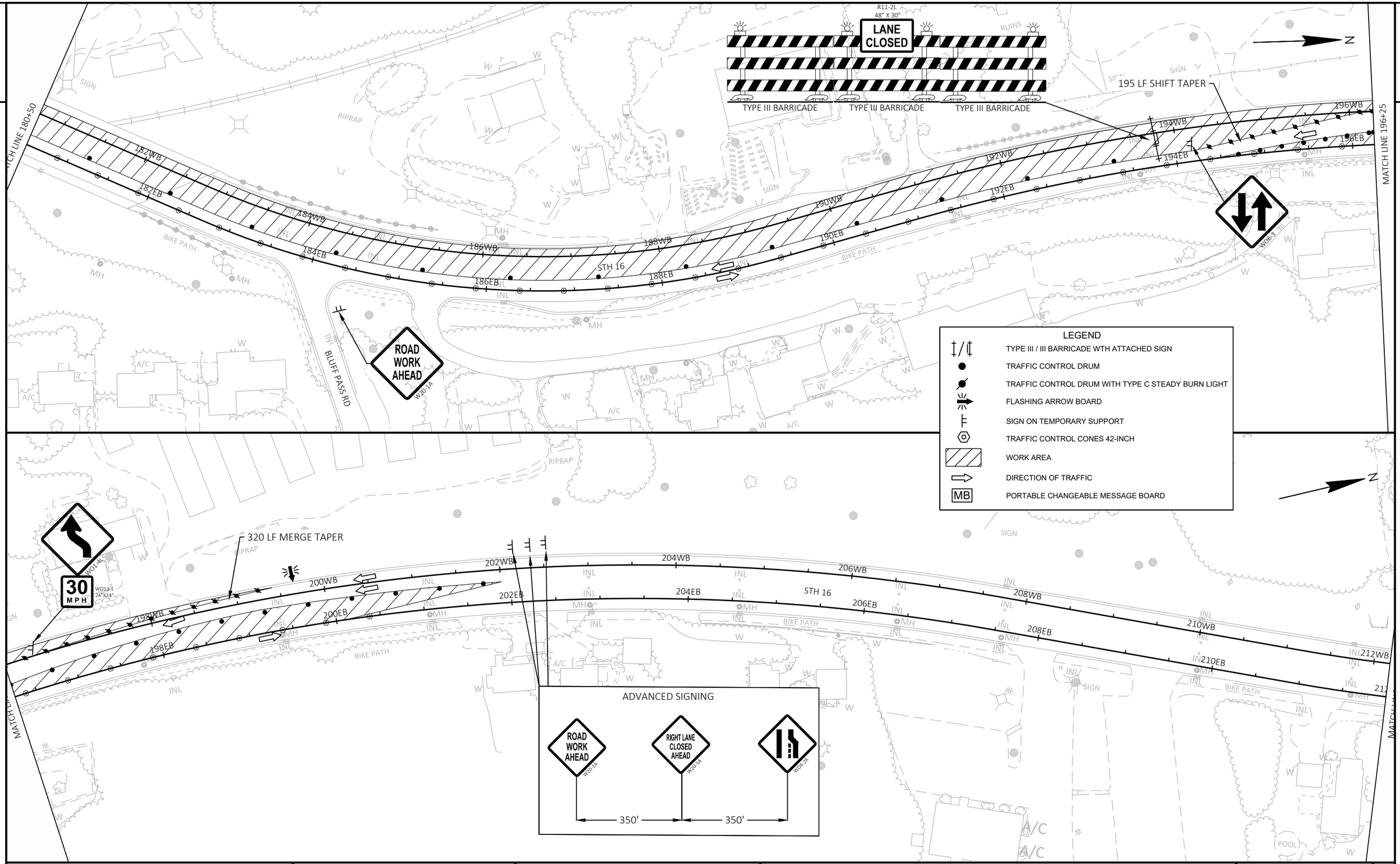
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-4	SHEET 90	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025105_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/27/2024 12:57 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

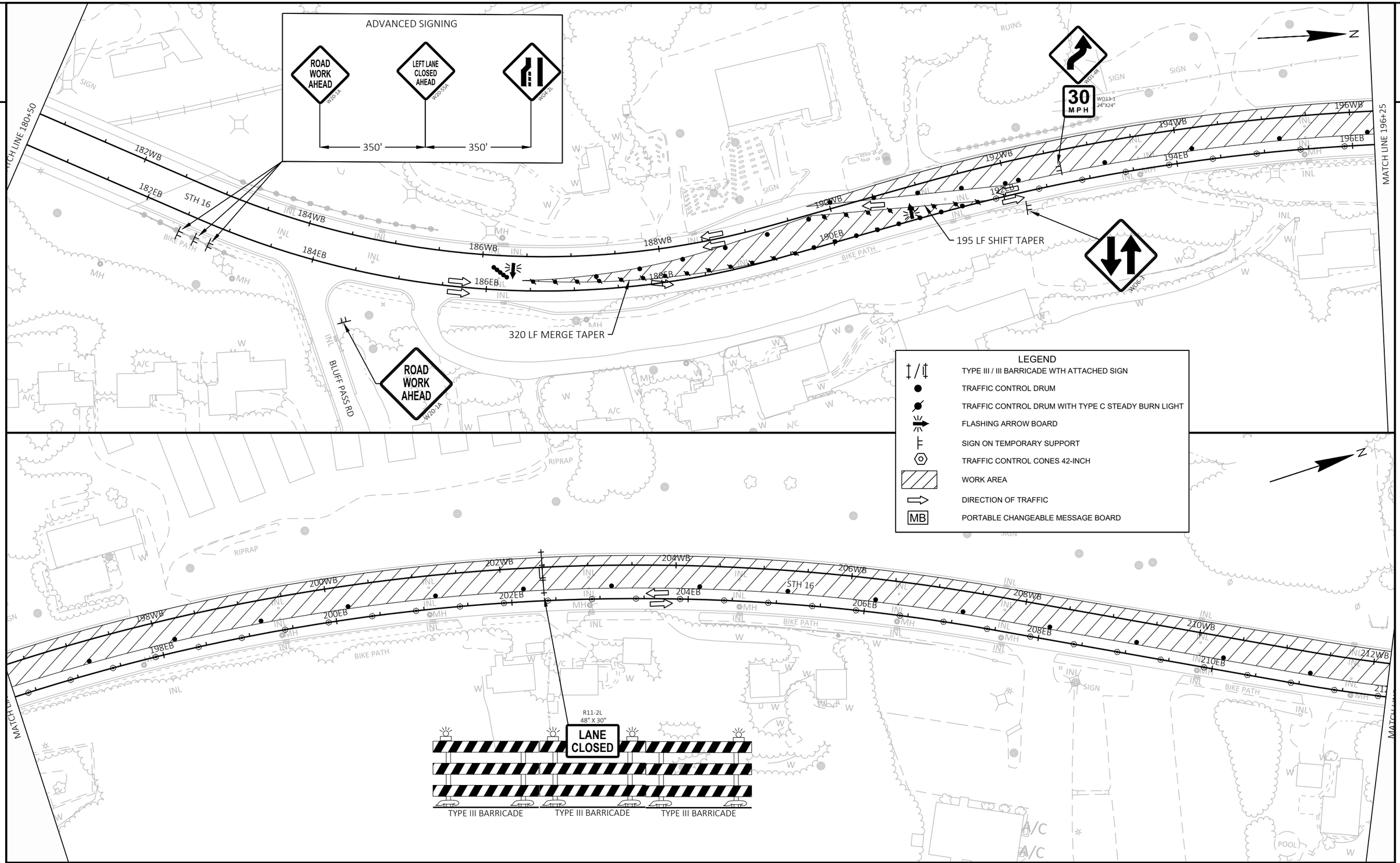
WISDOT/CADDS SHEET 44

2



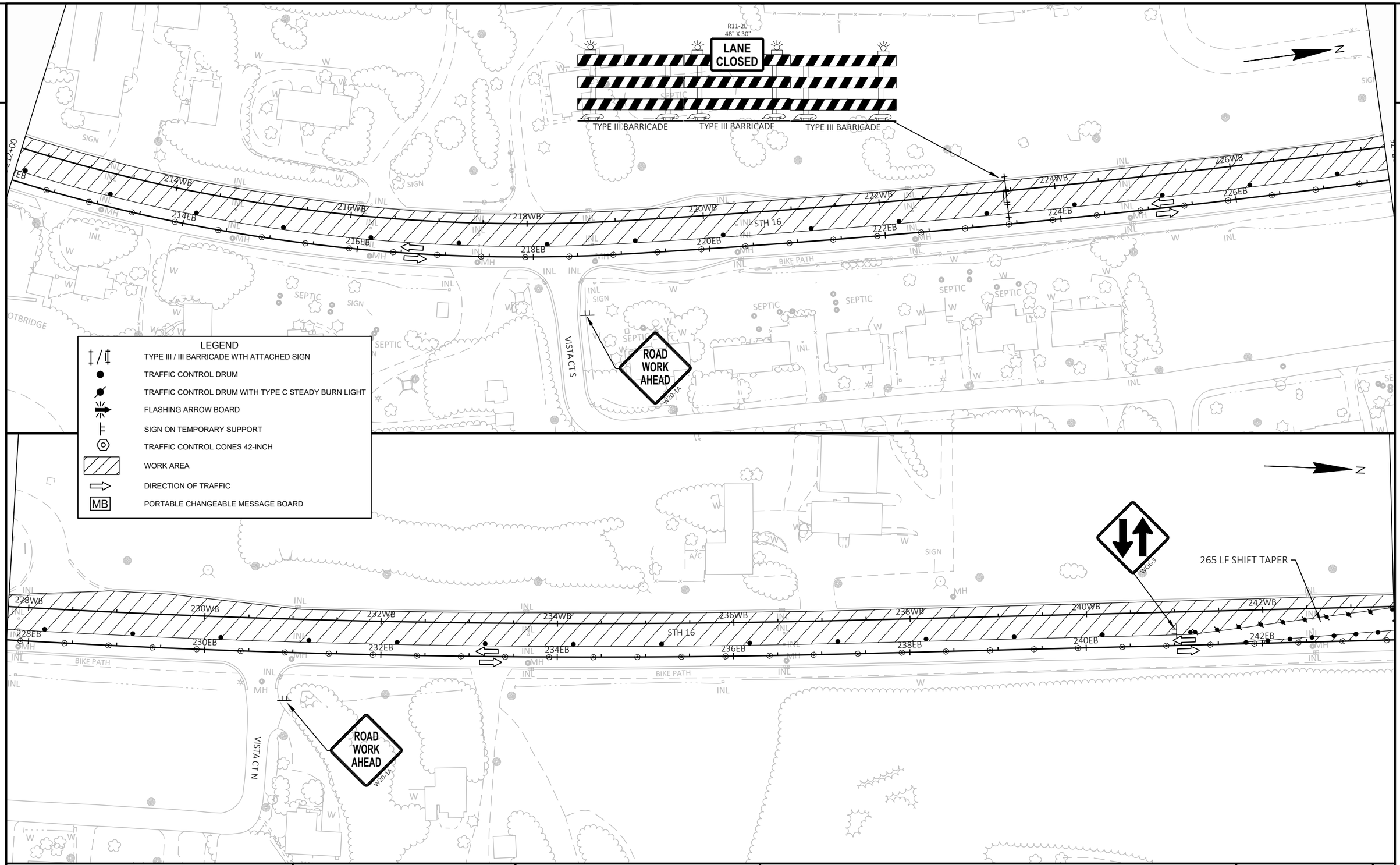
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-4	SHEET 91	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025105_TC.DWG
LAYOUT NAME - 02
PLOT DATE : 11/27/2024 12:58 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-5	SHEET 92	E

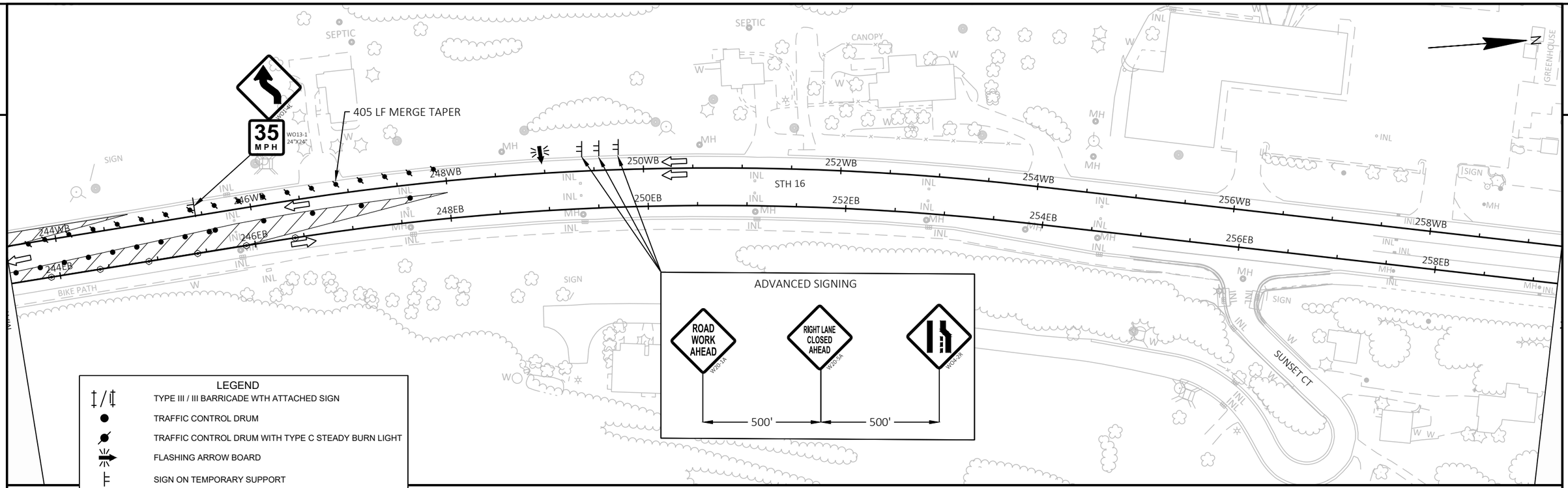
2



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-5	SHEET 93	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025106_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/27/2024 1:03 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT



LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-5	SHEET 94	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025106_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 11/27/2024 1:03 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCH LINE 227+75

N

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5SA

W20-2L

500' 500'

214WB 216WB 218WB 220WB 222WB 224WB 226WB

214EB 216EB 218EB 220EB 222EB 224EB 226EB

STH 16

VISTA CT S

BIKE PATH

SEPTIC

SIGN

MB

228WB 230WB 232WB 234WB 236WB 238WB 240WB 242WB

228EB 230EB 232EB 234EB 236EB 238EB 240EB 242EB

265 LF SHIFT TAPER

405 LF MERGE TAPER

W10-4R

W20-1A

W10-3

VISTA CT N

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-6	SHEET 95	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025107_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 11/27/2024 1:06 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE 243+50

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

STH 16

244WB 246WB 248WB 250WB 252WB 254WB 256WB 258WB

244EB 246EB 248EB 250EB 252EB 254EB 256EB 258EB

BIKE PATH

SUNSET CT

ROAD WORK AHEAD W20-1A

WO1-6 48"X24"

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

TYPE III BARRICADE

WO6-3

194 LF SHIFT TAPER

260WB 262WB 264WB 266WB 268WB 270WB 272WB 274WB

260EB 262EB 264EB 266EB 268EB 270EB 272EB 274EB

35 MPH WO13-1 24"X24"

GILLETTE ST

R11-2L 48" X 30" LANE CLOSED

TYPE III BARRICADE

202 LF SHIFT TAPER

CP10

ROAD WORK AHEAD W20-1A

STOP R1-1 36"X36"

SUNSET LN

BM5078

FLAG

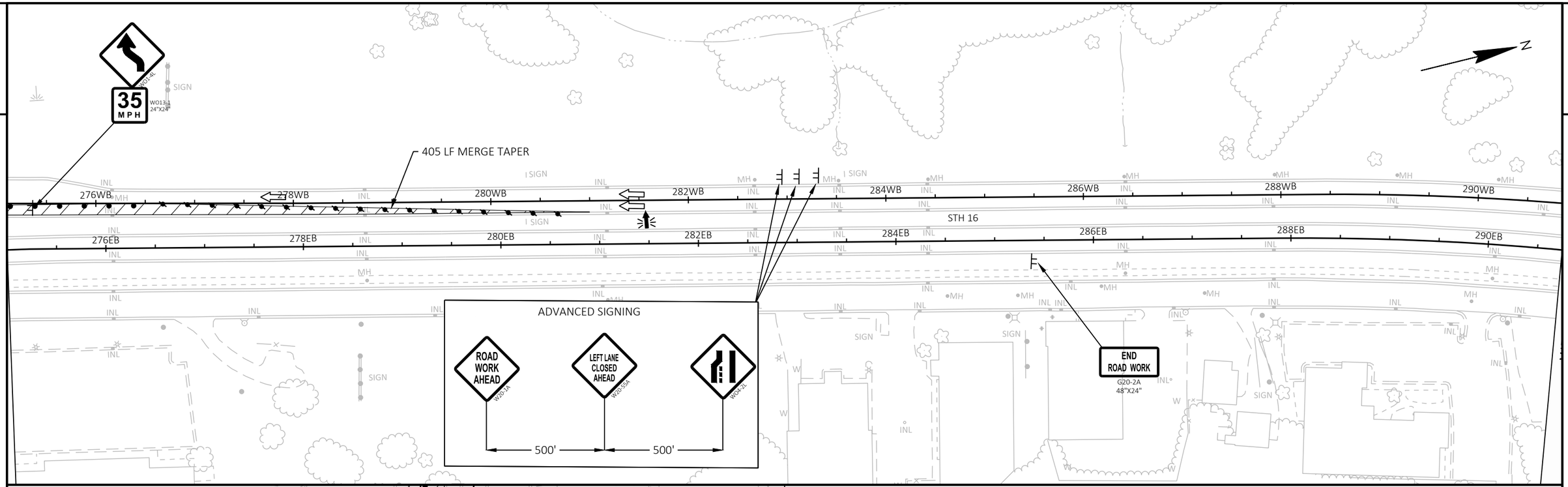
NOTE:
TEMPORARY STOP SIGNS TO BE PLACED AT INTERSECTION.
SIGNAL TO BE PLACED INTO FLASH MODE BY OTHERS.

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-6	SHEET 96	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025107_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/27/2024 1:07 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

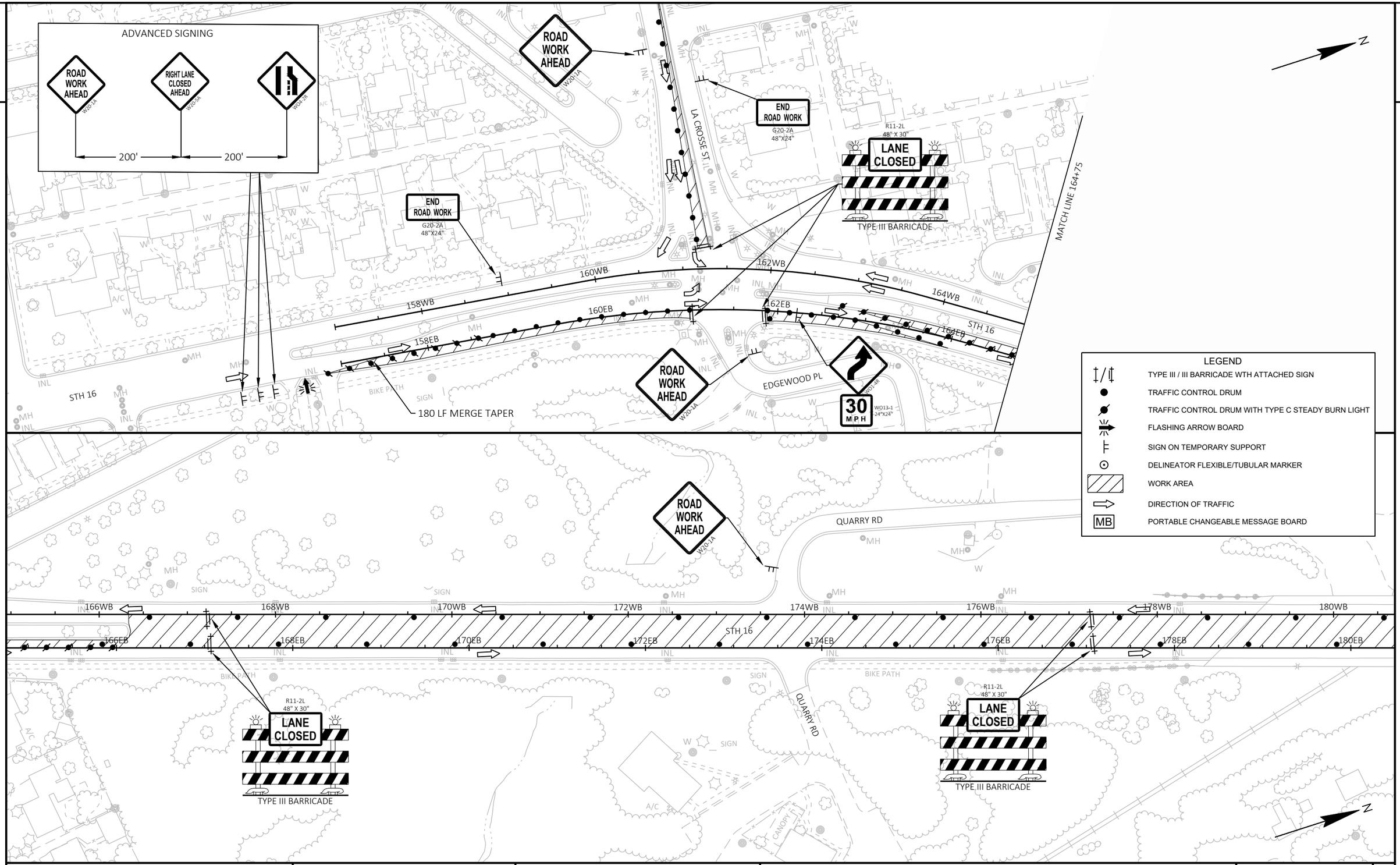


LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL CONES 42-INCH
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

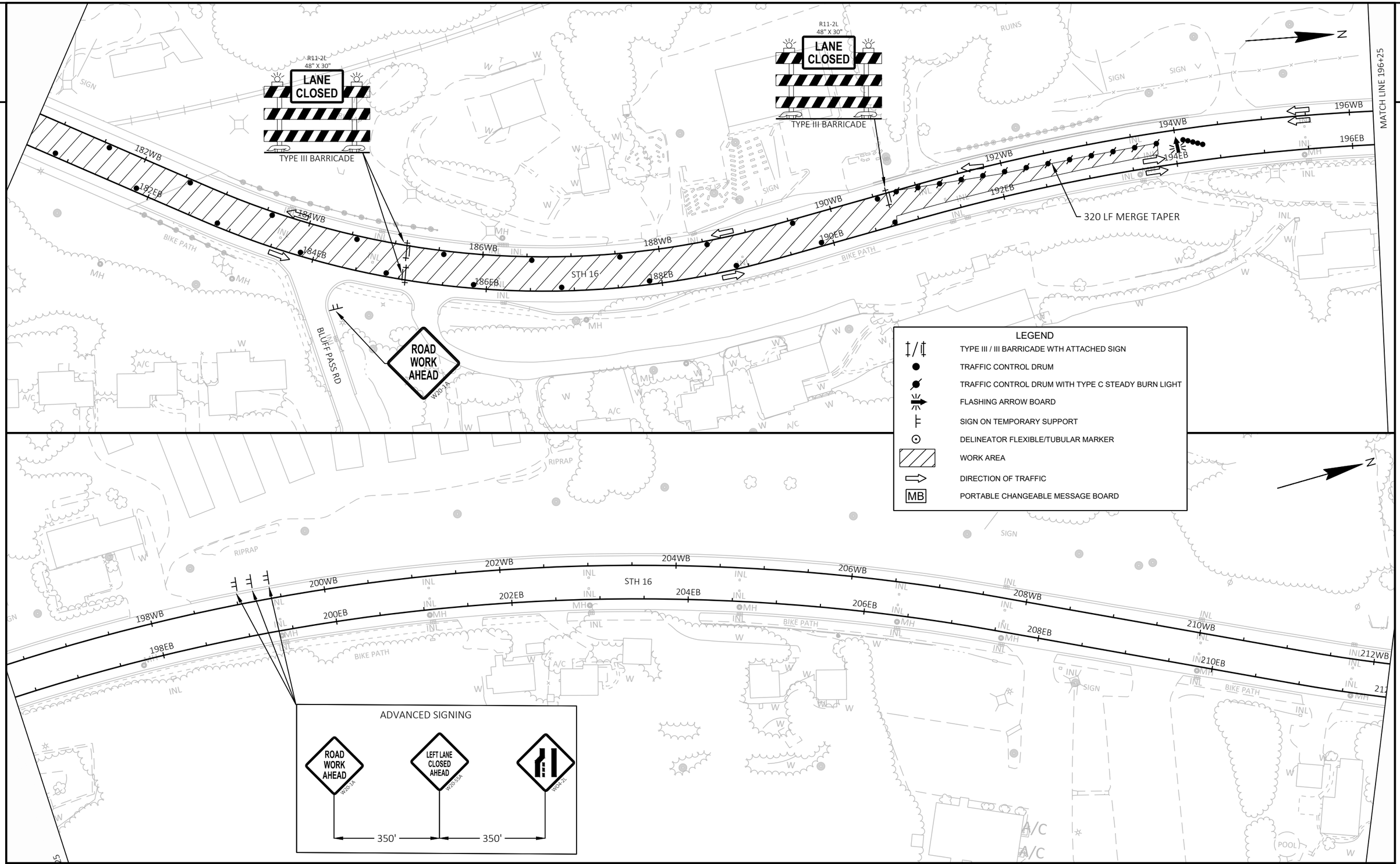
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-6	SHEET 97	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025107_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 11/27/2024 1:07 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-7	SHEET 98	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025100_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 11/27/2024 1:25 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-7	SHEET 99	E

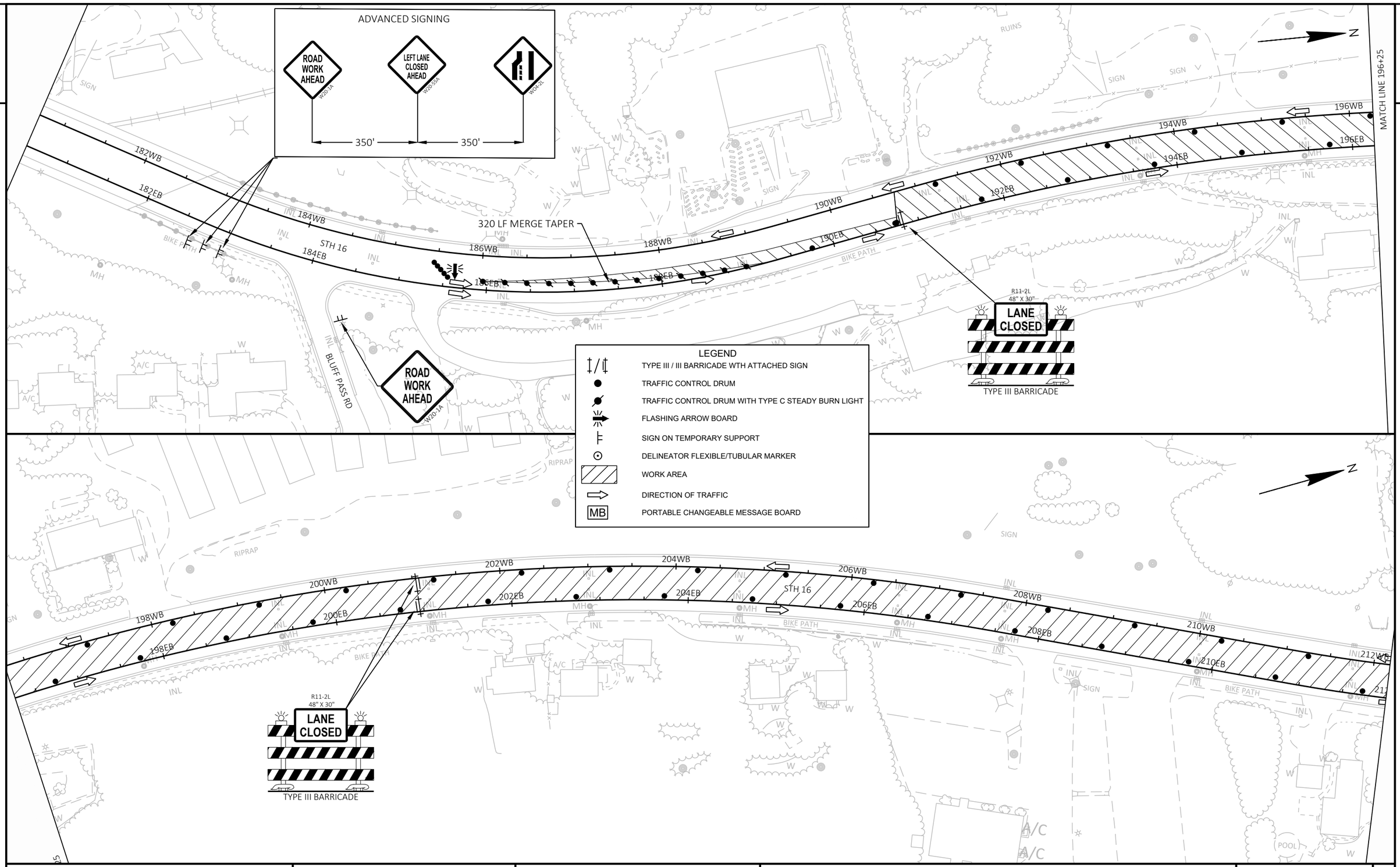
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025100_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/27/2024 1:26 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH LINE 196+25

ADVANCED SIGNING



LEGEND

‡/‡	TYPE III / III BARRICADE WTH ATTACHED SIGN
●	TRAFFIC CONTROL DRUM
●	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
⊢	SIGN ON TEMPORARY SUPPORT
⊙	DELINEATOR FLEXIBLE/TUBULAR MARKER
▨	WORK AREA
⇨	DIRECTION OF TRAFFIC
MB	PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-8	SHEET 100	E

2

MATCH LINE 227+75

N

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

214WB 214EB 216WB 216EB 218WB 218EB 220WB 220EB 222WB 222EB 224WB 224EB 226WB 226EB

STH 16

VISTA CT S

ROAD WORK AHEAD
W20-1A

BIKE PATH

SEPTIC SIGN INL MH W A/C

LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

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

228WB 228EB 230WB 230EB 232WB 232EB 234WB 234EB 236WB 236EB 238WB 238EB 240WB 240EB 242WB 242EB

STH 16

VISTA CT N

ROAD WORK AHEAD
W20-1A

BIKE PATH

N

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-8	SHEET 101	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025101_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 11/27/2024 1:29 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCH LINE 243+50

244WB 244EB 246WB 246EB 248WB 248EB 250WB 250EB 252WB 252EB 254WB 254EB 256WB 256EB 258WB 258EB

STH 16

SUNSET CT

GILLETTE ST

GREENHOUSE

BIKE PATH

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

ROAD WORK AHEAD
W20-1A

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

260WB 260EB 262WB 262EB 264WB 264EB 266WB 266EB 268WB 268EB 270WB 270EB 272WB 272EB 274WB 274EB

CP10

BM5078

FLAG

SEPTIC

CANOPY

SIGN

MH

INL

W

LEGEND

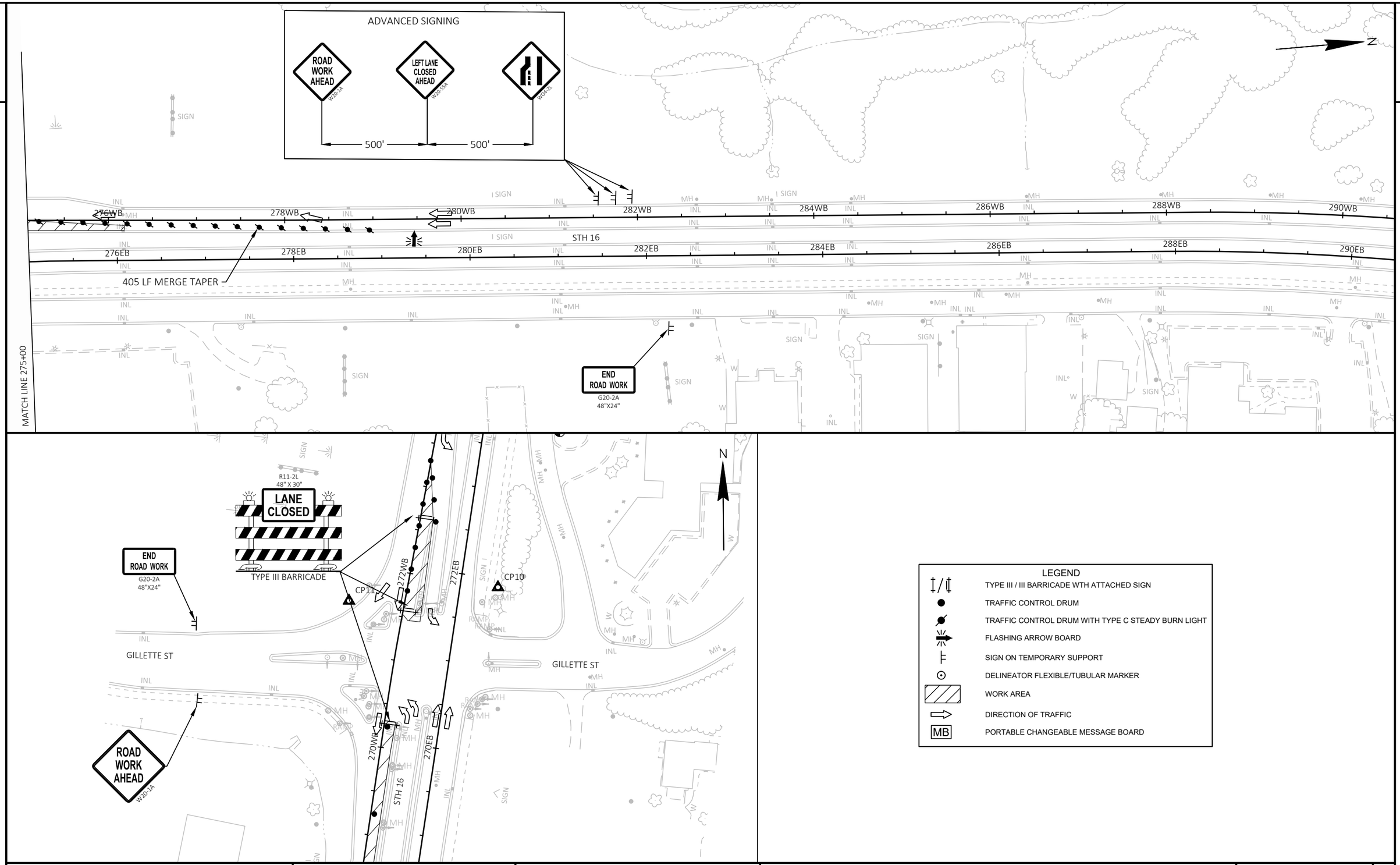
- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-8	SHEET 102	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025101_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 11/27/2024 1:30 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



LEGEND

- TYPE III / III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- WORK AREA
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE B-8	SHEET 103	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025101_TC.DWG
LAYOUT NAME - 04
PLOT DATE : 11/27/2024 1:31 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

STAGE C -1 : PCMS OVERVIEW
- FOR STAGE C-1 PLACE PCMS IN LOCATIONS SHOWN WITH THE FOLLOWING MESSAGES.

PCMS MESSAGE: DAY		PCMS MESSAGE: NIGHT
PHASE 1	PHASE 2	PHASE 1
HWY 16WB	12TH AVE	HWY 16WB
CLOSED	ACCESS	CLOSED
AHEAD	ONLY	AHEAD

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

SINGLE OPEN LANE TO 12TH AVE CLOSED DURING NIGHT WORK

MATCH LINE 335+50

MATCH LINE 349+14.13

STH 16

STH 157

CP13

CP12

BM5096

MB

336WB 338WB 340WB 342WB 344WB 346WB 348WB

336EB 338EB 340EB 342EB 344EB 346EB 348EB

STAGE C -2 : PCMS OVERVIEW
- FOR STAGE C-2 PLACE PCMS IN LOCATIONS SHOWN WITH THE FOLLOWING MESSAGES.

PCMS MESSAGE: NIGHT

PHASE 1	PHASE 2
12TH AVE	USE
ACCESS	TURN
AHEAD	LANE

CONOCO RD

CTH B

308WB 310WB 312WB 314WB 316WB

308EB 310EB 312EB 314EB 316EB

STAGE C -2 : PCMS OVERVIEW
- FOR STAGE C-2 PLACE PCMS IN LOCATIONS SHOWN WITH THE FOLLOWING MESSAGES.
WORK ZONE CHANGES FROM DAY TO NIGHT.

PCMS MESSAGE: DAY		PCMS MESSAGE: NIGHT
PHASE 1	PHASE 2	PHASE 1
HWY 16WB	12TH AVE	HWY 16WB
CLOSED	ACCESS	CLOSED
AHEAD	ONLY	AHEAD

SINGLE OPEN LANE TO 12TH AVE CLOSED DURING NIGHT WORK

WORK ZONE AND TRAFFIC PATTERN OF STH 16 EB TRAFFIC CHANGES FROM DAY TO NIGHT (SEE ADDITIONAL STAGING SHEETS)

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C - PCMS OVERVIEW	SHEET 104	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 00

PLOT DATE : 6/26/2024 9:23 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

STAGE C-1

- CONSTRUCT WORK ON THE WESTBOUND LANES OF STH 16, FROM GILLETTE ST TO STH 157
- WESTBOUND LANES OF STH 16 TO BE DETOURED
- MAINTAIN EASTBOUND TRAFFIC IN EXISTING LANES

2

2

STH 16

256WB 258WB 260WB 262WB 264WB 266WB 268WB

256EB 258EB 260EB 262EB 264EB 266EB 268EB

MATCH LINE 268+75

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

LANE CLOSED
R11-2L
48"X30"

GILLETTE ST

270WB 272WB 274WB 276WB 278WB 280WB

270EB 272EB 274EB 276EB 278EB 280EB

STH 16

BM5078

MATCH LINE 281+62.68

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 105	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 7/17/2024 3:09 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

MATCH LINE 281+62.68

MATCH LINE 295+39.20

STH 16

282WB 284WB 286WB 288WB 290WB 292WB 294WB

282EB 284EB 286EB 288EB 290EB 292EB 294EB

SIGN

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

MATCH LINE 295+39.20

MATCH LINE 306+70.67

STH 16

SUNSET LN

296WB 298WB 300WB 302WB 304WB 306WB

296EB 298EB 300EB 302EB 304EB 306EB

ROAD CLOSED
R11-2
48"X30"

ROAD WORK AHEAD
W20-1X

R3-2
24"X24"

ONE WAY
R6-2R
30"X36"

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 106	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/26/2024 9:24 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

SEE ADDITIONAL SHEET FOR FURTHER INTERSECTION TRAFFIC CONTROL DETAILS.

INSTALL MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION AND MGS GUARDRAIL TEMPORARY TERMINAL EAT TO STRUCTURE B-32-111, TO PROTECT TRAFFIC IN STAGE C-2. SEE SDD 14B44 MIDWEST GUARDRAIL SYSTEM (MGS) TERMINAL & SDD 14B45 MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION FOR MORE DETAILS.

REMOVE SIGNAL AND PORTION OF ISLAND. CONSTRUCT TEMPORARY PAVEMENT FOR NEXT STAGE.

B-32-111
SEE PROJECT ID 7575-01-65
FOR STRUCTURE PLANS

ROAD WORK AHEAD
W20-1A

CONOCO RD

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

CTH B

STH 16

MATCH LINE 306+70.67

MATCH LINE 320+96.15

308WB 310WB 312WB 314WB 316WB 318WB 320WB

308EB 310EB 312EB 314EB 316EB 318EB 320EB

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

LANE CLOSED
R11-2L
48"X30"

ONE SOUTHBOUND LANE OPEN TO MAINTAIN ACCESS TO 12TH AVE.

12TH AVE

50'

322WB 324WB 326WB 328WB 330WB 332WB 334WB

322EB 324EB 326EB 328EB 330EB 332EB 334EB

STH 16

MATCH LINE 320+96.15

MATCH LINE 335+50

2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 107	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/26/2024 9:25 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

CTH B INTERSECTION - NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.

2

ONE WAY
R6-2R
24"X30"

R3-1
24"X24"

EAST
16
M3-2
24"X12"
M1-6
24"X24"
MO6-1
21"X21"

R3-2
24"X24"

CONOCO RD

ROAD WORK AHEAD
W20-1A

ROAD CLOSED
R11-2
48"X30"

308WB
310WB
312WB
314WB
316WB
318WB

308EB
310EB
312EB
314EB
316EB
318EB

STH 16

EAST
M3-2
24"X12"
16
MO6-1
21"X21"

ONLY ONLY

ROAD WORK AHEAD
W20-1A

CTH B

LANE CLOSED
R11-2L
48"X30"

CLOSE THE FAR RIGHT TURN LANE.
COVER EXISTING ARROWS IN LEFT/LEFT THRU LANES WITH MASK OUT TAPE, PAID FOR AS TEMPORARY MARKING ARROW REMOVABLE TAPE.
PLACE NEW THRU ONLY AND RIGHT ONLY ARROWS AND WORDS IN LANES.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 108	E

2

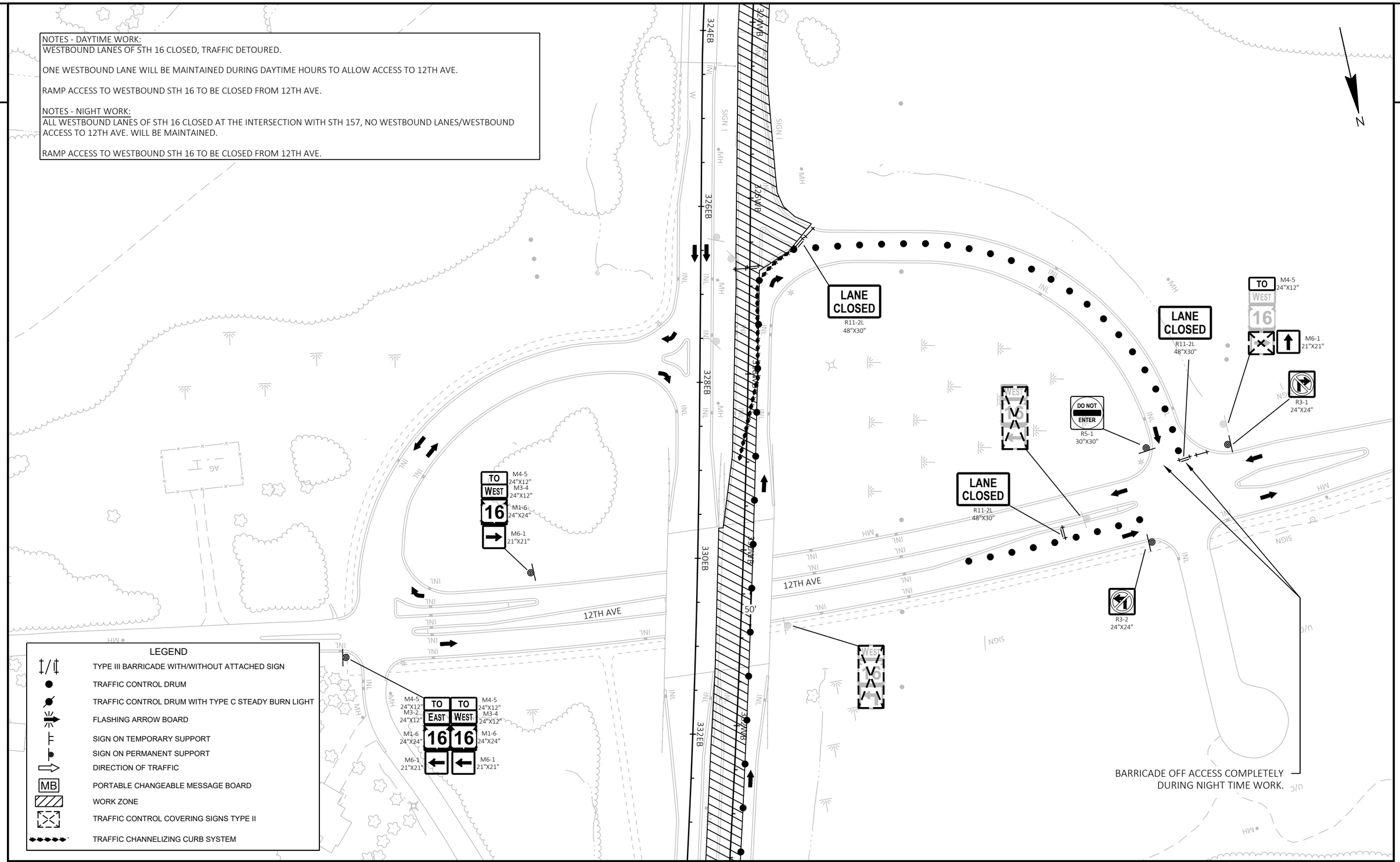
NOTES - DAYTIME WORK:
WESTBOUND LANES OF STH 16 CLOSED, TRAFFIC DETOURED.

ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

RAMP ACCESS TO WESTBOUND STH 16 TO BE CLOSED FROM 12TH AVE.

NOTES - NIGHT WORK:
ALL WESTBOUND LANES OF STH 16 CLOSED AT THE INTERSECTION WITH STH 157, NO WESTBOUND LANES/WESTBOUND ACCESS TO 12TH AVE. WILL BE MAINTAINED.

RAMP ACCESS TO WESTBOUND STH 16 TO BE CLOSED FROM 12TH AVE.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 109 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 05
PLOT DATE : 6/26/2024 9:26 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTES:
WESTBOUND LANES OF STH 16 CLOSED, TRAFFIC DETOURED.
ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

PCMS MESSAGE:

PHASE 1	PHASE 2
HWY 16WB	12TH AVE
CLOSED	ACCESS
AHEAD	ONLY

TEMPORARY MARKING
REMOVABLE MASK OUT
TAPE 10-INCH

ROAD CLOSED
R11-2
48"X30"

STOP
R1-1
36"X36"

MB

STH 157

CP13

MB

LANE CLOSED
R11-2L
48"X30"

CP12

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

BM5096

TEMPORARY MARKING LINE
REMOVABLE TAPE
6-INCH, WHITE

W1-6
48"X24"

MATCH LINE 335+50

MATCH LINE 349+14.13

336WB
338WB
340WB
342WB
344WB
346WB
348WB
50'
336EB
338EB
340EB
342EB
344EB
346EB
348EB
STH 16

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

TEMPORARY MARKING
REMOVABLE MASK OUT
TAPE 6-INCH

350WB
352WB
354WB
356WB
358WB
360WB
362WB
364WB
350EB
352EB
354EB
356EB
358EB
360EB
362EB
STH 16

MATCH LINE 349+14.13

BM16
BM17
CP17.1

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

CLOSE LEFT TURN LANE

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5SA

W04-2L

500'

500'

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 110	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 06

PLOT DATE : 7/19/2024 10:18 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

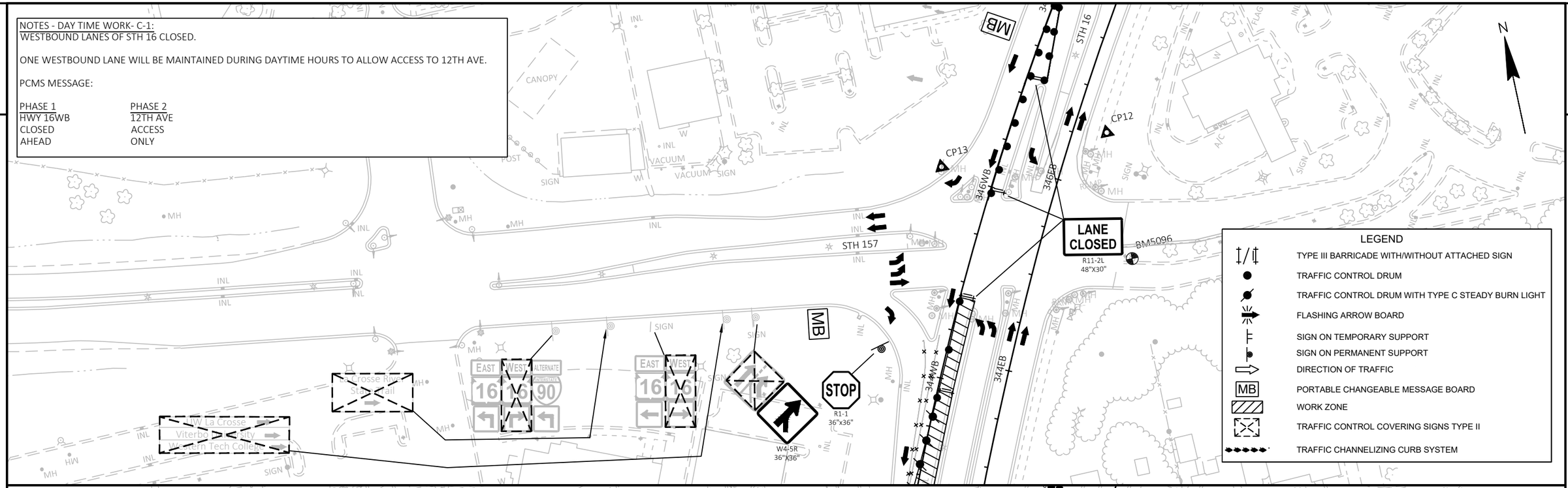
2

NOTES - DAY TIME WORK- C-1:
WESTBOUND LANES OF STH 16 CLOSED.

ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

PCMS MESSAGE:

PHASE 1	PHASE 2
HWY 16WB	12TH AVE
CLOSED	ACCESS
AHEAD	ONLY

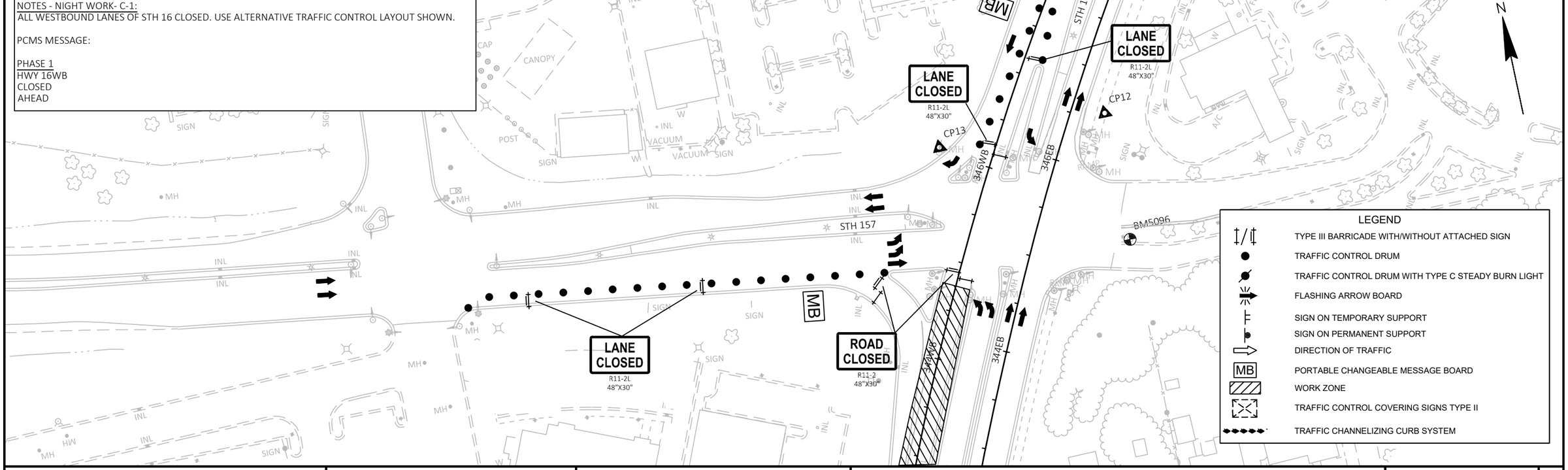


2

NOTES - NIGHT WORK- C-1:
ALL WESTBOUND LANES OF STH 16 CLOSED. USE ALTERNATIVE TRAFFIC CONTROL LAYOUT SHOWN.

PCMS MESSAGE:

PHASE 1
HWY 16WB
CLOSED
AHEAD



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1	SHEET 111	E

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

ADVANCED SIGNING SHALL BE INSTALLED PRIOR TO CROSSOVER CONSTRUCTION.

540 LF MERGE TAPER

LEFT TURN LANE
R3-55L
24"X30"

LANE CLOSED
R11-2L
48"X30"

MATCH LINE 268+75

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5SA

W24-2L

500' 500'

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

NOTES STAGE C-1B (SUBSTAGE-COMPLETED AT THE END OF STAGE C-1):
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

CONSTRUCT CROSSOVER STA 276+00 EB UNDER SINGLE LANE CLOSURE.

MATCH LINE 281+62.68

MEDIAN ISLAND TO BE REMOVED DURING OFF PEAK HOURS, FOR CROSSOVER CONSTRUCTION, RESTORE MEDIAN AFTER COMPLETION OF STAGE C-2 AND B-32-115 CONSTRUCTION.
REMOVE EXISTING EDGELINE PAVEMENT MARKINGS ADJACENT TO THE C&G THAT IS REMOVED IN CROSSOVER AREA.
IF CROSSOVER CONSTRUCTION IS NOT COMPLETED IN A SINGLE NIGHT, PROTECT DROPOFF WITH TRAFFIC CONTROL DRUMS PLACES ON A 3 FOOT WIDE TEMPORARY AGGREGATE SHOULDER THAT IS CONSTRUCTED TO MATCH THE EXISTING PAVEMENT GRADE AND TAPERS AT A 3:1 SLOPE.

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1B	SHEET 112	E

NOTES STAGE C-1B (SUBSTAGE-COMPLETED AT THE END OF STAGE C-1):
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

CONSTRUCT CROSSOVER STA 326+50 EB UNDER SINGLE LANE CLOSURE.

ROAD WORK AHEAD W20-1A

ROAD CLOSED R11-2 48"X30"

REMOVE SIGNAL AND PORTION OF ISLAND. CONSTRUCT TEMPORARY PAVEMENT FOR NEXT STAGE.

MATCH LINE 306+70.67

MATCH LINE 320+96.15

308WB 310WB 312WB 314WB 316WB 318WB 320WB

308EB 310EB 312EB 314EB 316EB 318EB 320EB

STH 16

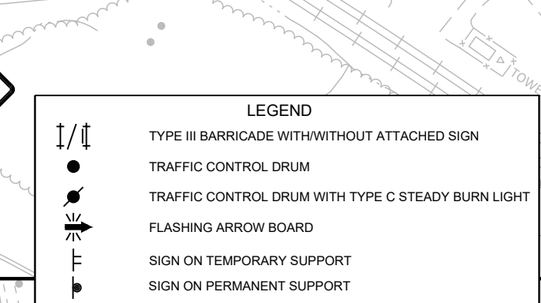
LEFT LANE CLOSED 1500 FT W20-5SB

ROAD WORK AHEAD W20-1A

LANE CLOSED R11-2L 48"X30"

25'

CTH B



NOTES STAGE C-1B (SUBSTAGE- COMPLETED AT THE END OF STAGE C-1):
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

CONSTRUCT CROSSOVER STA 326+50 EB UNDER SINGLE LANE CLOSURE.

TRAFFIC CHANNELIZING CURB SYSTEM

REMOVE GUARDRAIL FOR CROSSOVER CONSTRUCTION

LANE CLOSED R11-2L 48"X30"

DO NOT ENTER REMOVE

ONE SOUTHBOUND LANE OPEN TO MAINTAIN ACCESS TO 12TH AVE.

12TH AVE

MATCH LINE 320+96.15

MATCH LINE 335+50

322WB 324WB 326WB 328WB 330WB 332WB 334WB

322EB 324EB 326EB 328EB 330EB 332EB 334EB

STH 16

50'

REMOVE REMOVE LANE CLOSED R11-2L 48"X30" WRONG WAY REMOVE

MEDIAN ISLAND TO BE REMOVED DURING OFF PEAK HOURS, FOR CROSSOVER CONSTRUCTION, RESTORE MEDIAN AFTER COMPLETION OF STAGE C-2 AND B-32-115 CONSTRUCTION.
REMOVE EXISTING EDGELINE PAVEMENT MARKINGS ADJACENT TO THE C&G THAT IS REMOVED IN CROSSOVER AREA.
IF CROSSOVER CONSTRUCTION IS NOT COMPLETED IN A SINGLE NIGHT, PROTECT DROPOFF WITH TRAFFIC CONTROL DRUMS PLACES ON A 3 FOOT WIDE TEMPORARY AGGREGATE SHOULDER THAT IS CONSTRUCTED TO MATCH THE EXISTING PAVEMENT GRADE AND TAPERS AT A 3:1 SLOPE.

INSTALL COVER PLATES TEMPORARY ON EXISTING MANHOLES & INLET COVERS FLAT TEMPORARY ON EXISTING INLETS WITHIN THE CROSSOVER CONSTRUCTION AREA. SALVAGE AND REINSTALL EXISTING MANHOLE & INLET COVERS AFTER TEMPORARY CROSSOVER IS REMOVED.

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1B	SHEET 113	E

2

2

NOTES STAGE C-1B (SUBSTAGE-COMPLETED AT THE END OF STAGE C-1):
WESTBOUND LANES CLOSED, TRAFFIC DETOURED

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

STH 16

256WB 258WB 260WB 262WB 264WB 266WB 268WB

256EB 258EB 260EB 262EB 264EB 266EB 268EB

MATCH LINE 268+75

LANE CLOSED
R11-2L
48"X30"

270WB 272WB 274WB 276WB 278WB 280WB

270EB 272EB 274EB 276EB 278EB 280EB

MEDIAN ISLAND CROSSOVER, PREVIOUSLY CONSTRUCTED, TO BE USED DURING STAGE C-2

CONSTRUCT THIS PORTION OF THE ROADWAY DURING THIS STAGE UTILIZING NIGHTLY SINGLE LANE CLOSURES.

GILLETTE ST

BM5078

MATCH LINE 281+62.68

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-1B	SHEET 114	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025109_TC.DWG
LAYOUT NAME - 10
PLOT DATE : 6/26/2024 9:29 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

STAGE C-2

- CONSTRUCT WORK ON THE EASTBOUND LANES OF STH 16, FROM GILLETTE ST TO STH 157
- WESTBOUND LANES OF STH 16 CLOSED, TO BE DETOURED
- EASTBOUND TRAFFIC TO CROSSOVER NORTH OF GILLETTE ST INTERSECTION AND RUN IN WESTBOUND LANES.

2

2

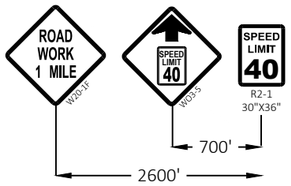
STH 16

256WB 258WB 260WB 262WB 264WB 266WB 268WB

256EB 258EB 260EB 262EB 264EB 266EB 268EB

MATCH LINE 268+75

ADVANCED SIGNING-SPEED REDUCTION



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

GILLETTE ST

LANE CLOSED
R11-2L
48"X30"

C011

WO1-6
48"X24"

TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW

TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW

270WB 272WB 274WB 276WB 278WB 280WB

270EB 272EB 274EB 276EB 278EB 280EB

25'

STH 16

MATCH LINE 268+75

MATCH LINE 281+62.68

WO1-6
48"X24"

TEMPORARY MARKING LINE PAINT 10-INCH, WHITE

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

WO1-4BL

30 MPH
WO13-1
24"x24"

SPEED LIMIT 40
R2-1
30"x36"

BM50078

LANE CLOSED
R11-2L
48"X30"

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 115	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 6/26/2024 9:31 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.

EASTBOUND TRAFFIC TO CROSSOVER NORTH OF GILLETTE ST INTERSECTION AND RUN IN WESTBOUND LANES.

TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW

SPEED LIMIT 40
R2-1
24"X30"

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

MATCH LINE 281+62.68

MATCH LINE 295+39.20

STH 16

282WB 284WB 286WB 288WB 290WB 292WB 294WB

282EB 284EB 286EB 288EB 290EB 292EB 294EB

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

MATCH LINE 295+39.20

MATCH LINE 306+70.67

STH 16

296WB 298WB 300WB 302WB 304WB 306WB

296EB 298EB 300EB 302EB 304EB 306EB

W3-3
36"X36"

DO NOT ENTER
R5-1
30"X30"

ONE WAY
R6-2R
24"X30"

ONE WAY
X

M1-5A
24"X24"

COUNTY B
M5-1R
21"X21"

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ROAD WORK AHEAD
W20-1R

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 116 E

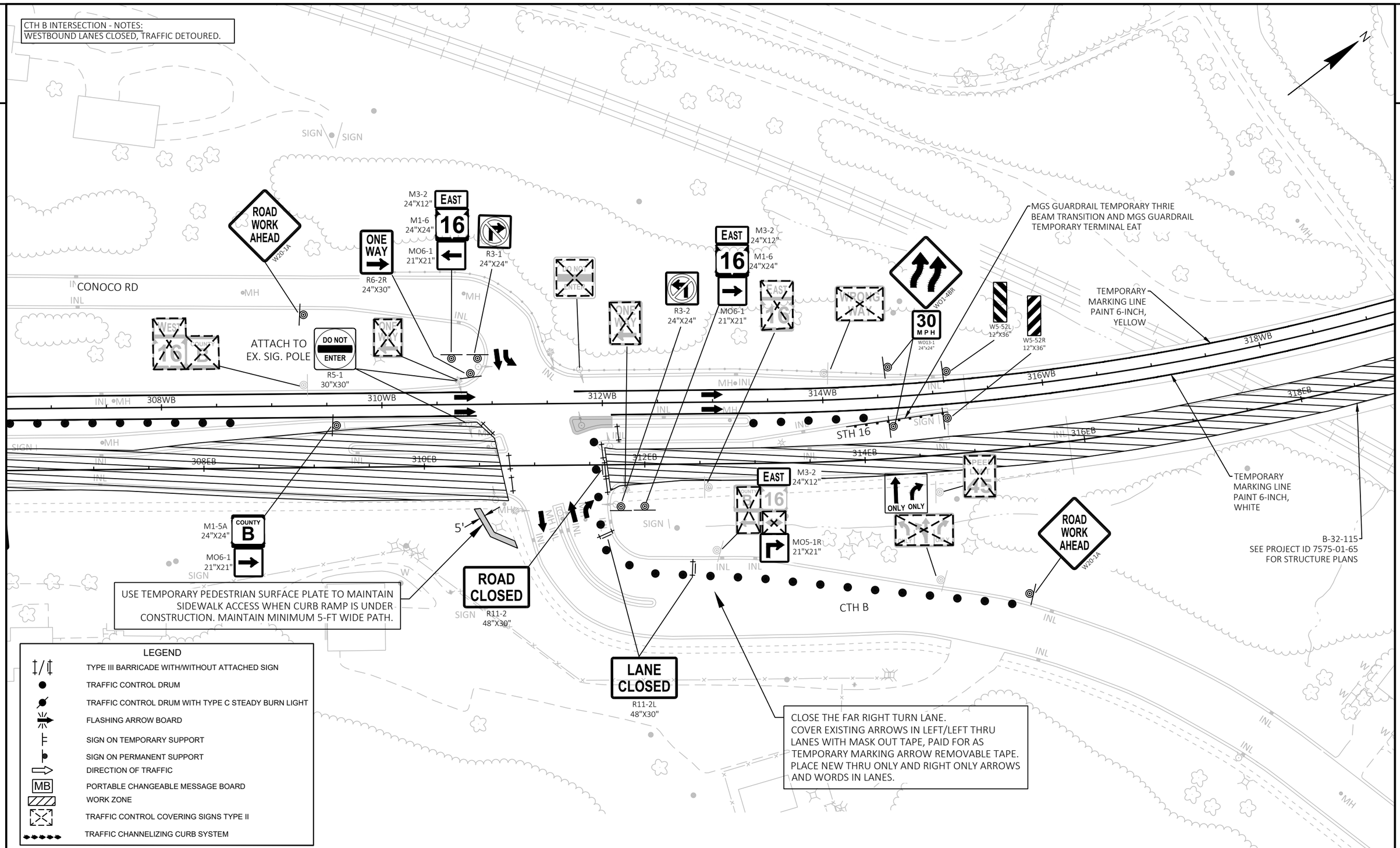
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 02

PLOT DATE : 6/26/2024 9:32 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

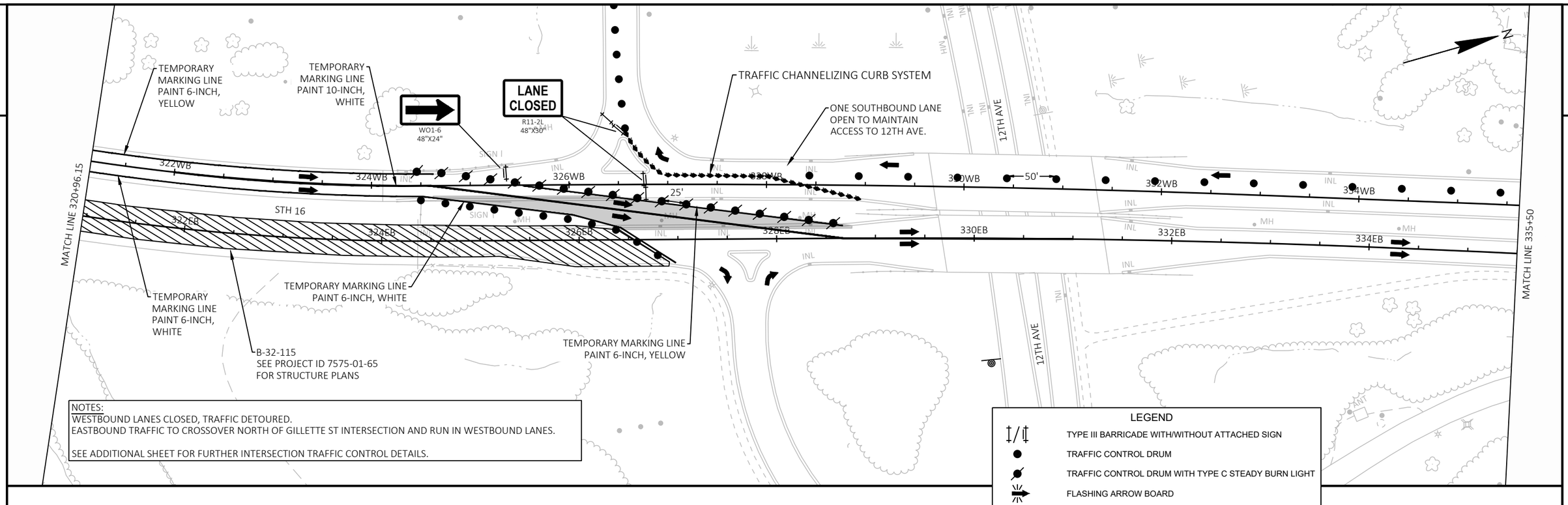
WISDOT/CADDS SHEET 44

2

CTH B INTERSECTION - NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 117 E



NOTES:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.
EASTBOUND TRAFFIC TO CROSSOVER NORTH OF GILLETTE ST INTERSECTION AND RUN IN WESTBOUND LANES.

SEE ADDITIONAL SHEET FOR FURTHER INTERSECTION TRAFFIC CONTROL DETAILS.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 118	E

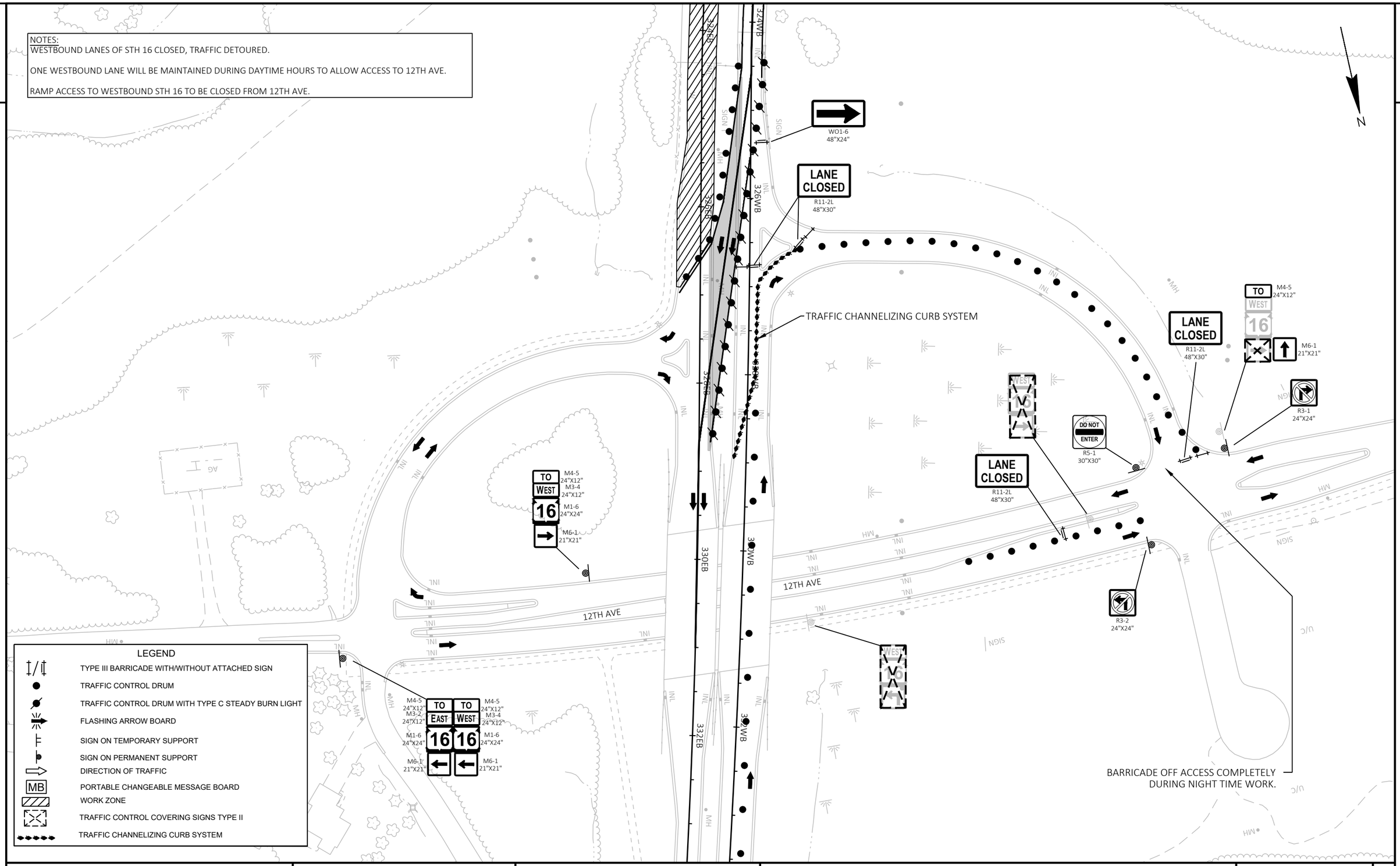
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 7/17/2024 3:35 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

NOTES:
WESTBOUND LANES OF STH 16 CLOSED, TRAFFIC DETOURED.

ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

RAMP ACCESS TO WESTBOUND STH 16 TO BE CLOSED FROM 12TH AVE.



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 119 E

NOTES:
WESTBOUND LANES OF STH 16 CLOSED.

ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

PCMS MESSAGE:

PHASE 1	PHASE 2
HWY 16WB	12TH AVE
CLOSED	ACCESS
AHEAD	ONLY

TEMPORARY MARKING
REMOVABLE MASK OUT
TAPE 10-INCH

STOP
R1-1
36"x36"

MB

STH 157

CP13

La Crosse
Viterbo University
Western Tech College
Onalaska

50'

STH 16

MATCH LINE 335+50

W1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

CP12

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

MATCH LINE 349+14.13

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

WEST WEST ALTERNATE
INTERSTATE
157 90

TEMPORARY MARKING
REMOVABLE MASK OUT
TAPE 6-INCH

BRAUND ST

350WB 352WB 354WB 356WB 358WB 360WB 362WB 364WB

350EB 352EB 354EB 356EB 358EB 360EB 362EB

STH 16

MATCH LINE 349+14.13

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

LEFT LANE CLOSED AHEAD W20-5A

W10-2L

500' 500'

BM17 CP17.1

BM16

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

CLOSE LEFT TURN LANE

TEMPORARY MARKING LINE
REMOVABLE TAPE
6-INCH, YELLOW

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 120	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 06

PLOT DATE : 7/19/2024 10:27 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

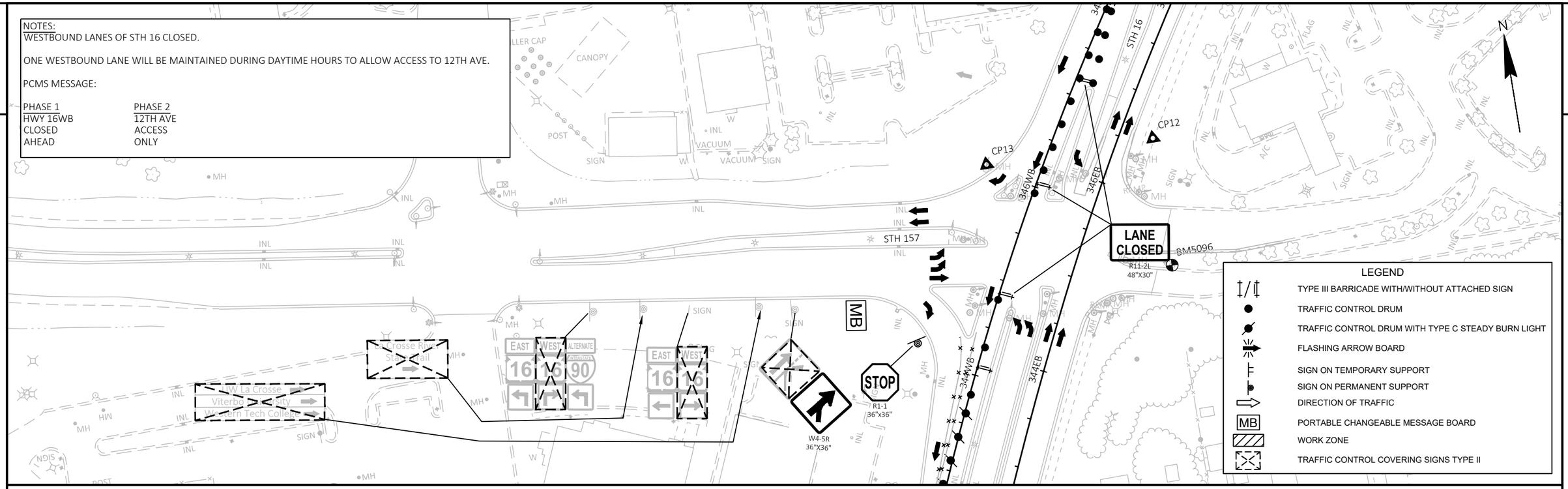
WISDOT/CADDS SHEET 44

NOTES:
WESTBOUND LANES OF STH 16 CLOSED.

ONE WESTBOUND LANE WILL BE MAINTAINED DURING DAYTIME HOURS TO ALLOW ACCESS TO 12TH AVE.

PCMS MESSAGE:

PHASE 1	PHASE 2
HWY 16WB	12TH AVE
CLOSED	ACCESS
AHEAD	ONLY



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 121	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 07

PLOT DATE : 6/26/2024 9:34 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

NOTES - NIGHT WORK:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.

EASTBOUND STH 16 TRAFFIC REDUCED TO SINGLE LANE AFTER INTERSECTION WITH CTH B.

TEMPORARY TRAFFIC SIGNALS WILL BE NEEDED

CONOCO RD

ROAD WORK AHEAD W20-1A

W01-4BR

30 MPH WQ13-1 24"X24"

PHASE 1	PHASE 2
12TH AVE	USE
ACCESS	TURN
AHEAD	LANE

B-32-111

MATCH LINE 306+70.67

MATCH LINE 323+96.15

308WB 310WB 312WB 314WB 316WB 318WB 320WB

308EB 310EB 312EB 314EB 316EB 318EB 320EB

STH 16

MB

LANE CLOSED R11-2L 48"X30"

SIGN

25'

CTH B

ROAD WORK AHEAD W20-1A

ADVANCED SIGNING

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W01-2R

500' 500'

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

NOTES - NIGHT WORK:
WESTBOUND LANES OF STH 16 CLOSED, TRAFFIC DETOURED.

EASTBOUND TRAFFIC ON STH 16 IS REDUCED TO A SINGLE LANE SOUTH OF B-32-111.

EASTBOUND TRAFFIC TO 12TH AVE WILL USE CROSSOVER FOR ACCESS. EASTBOUND THRU TRAFFIC WILL CONTINUE NORTH TO INTERSECTION WITH STH 157, UTILIZING A SINGLE WESTBOUND LANE.

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

STOP R1-1 36"x36"

12TH AVE

MATCH LINE 320+96.15

MATCH LINE 335+50

322WB 324WB 326WB 328WB 330WB 332WB 334WB

322EB 324EB 326EB 328EB 330EB 332EB 334EB

STH 16

25' 50'

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

LANE CLOSED R11-2L 48"X30"

12TH AVE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 122	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 08

PLOT DATE : 6/26/2024 9:35 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

NOTES - NIGHT WORK:
WESTBOUND LANES OF STH 16 CLOSED AT THE INTERSECTION WITH STH 157, TRAFFIC DETOURED.

EASTBOUND TRAFFIC ON STH 16 IS REDUCED TO A SINGLE LANE SOUTH OF LA CROSSE RIVER BRIDGE.

EASTBOUND TRAFFIC TO 12TH AVE WILL USE CROSSOVER FOR ACCESS. EASTBOUND THRU TRAFFIC WILL CONTINUE NORTH TO INTERSECTION WITH STH 157, UTILIZING A SINGLE WESTBOUND LANE.

RAMP ACCESS TO EASTBOUND STH 16 WILL BE CLOSED FROM 12TH AVE AT THE WEST ACCESS RAMP. TRAFFIC FROM 12TH AVE WILL UTILIZE THE EAST RAMP TO ACCESS STH 16 EASTBOUND TRAFFIC.

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

N

LANE CLOSED
R11-2L
48"X30"

W1-6
48"X24"

STOP
R1-1
36"x36"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

DO NOT ENTER
R5-1
30"X30"

R3-1
24"X24"

R3-2
24"X24"

M4-5 24"X12" | TO EAST | TO WEST | M4-5 24"X12"
M3-2 24"X12" | | | M3-4 24"X12"
M1-6 24"X24" | 16 | 16 | M1-6 24"X24"
M6-1 21"X21" | ↑ | ↑ | M6-1 21"X21"

M4-5 24"X12" | TO EAST | TO WEST | M4-5 24"X12"
M3-2 24"X12" | | | M3-4 24"X12"
M1-6 24"X24" | 16 | 16 | M1-6 24"X24"
M6-1 21"X21" | ← | ← | M6-1 21"X21"

12TH AVE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 123	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 09

PLOT DATE : 6/26/2024 9:35 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

NOTES - NIGHT WORK:
WESTBOUND LANES CLOSED, TRAFFIC DETOURED.

EASTBOUND STH 16 TRAFFIC REDUCED TO SINGLE LANE AFTER INTERSECTION WITH CTH B, RUNNING IN WESTBOUND LANE TO INTERSECTION WITH STH 157. TRAFFIC TO CROSS BACK OVER TO EASTBOUND LANES THROUGH THE STH 157 INTERSECTION.

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

W1-6
48"X24"

PCMS MESSAGE
HWY 16WB
CLOSED
AHEAD

MB

STH 157

STH 16

BRAUND ST

MATCH LINE 335+50

MATCH LINE 349+14.13

MATCH LINE 349+14.13

336WB 338WB 340WB 342WB 344WB 346WB 348WB

336EB 338EB 340EB 342EB 344EB 346EB 348EB

350WB 352WB 354WB 356WB 358WB 360WB 362WB 364WB

350EB 352EB 354EB 356EB 358EB 360EB 362EB

50'

BM5096

BM16
16.1

BM17
CP17.1

CP13

CP14

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- FLASHING ARROW BOARD
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- MB PORTABLE CHANGEABLE MESSAGE BOARD
- WORK ZONE
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- TRAFFIC CHANNELIZING CURB SYSTEM

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 124	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 10

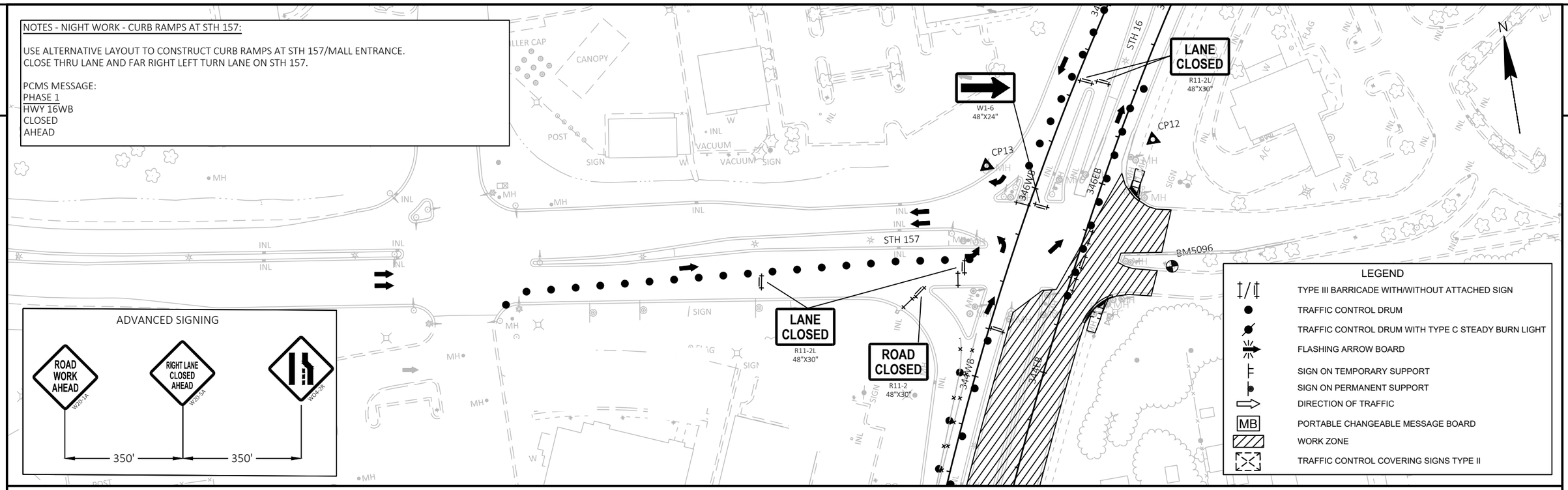
PLOT DATE : 6/26/2024 9:36 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

NOTES - NIGHT WORK - CURB RAMPS AT STH 157:

USE ALTERNATIVE LAYOUT TO CONSTRUCT CURB RAMPS AT STH 157/MALL ENTRANCE.
CLOSE THRU LANE AND FAR RIGHT LEFT TURN LANE ON STH 157.

PCMS MESSAGE:
PHASE 1
HWY 16WB
CLOSED
AHEAD

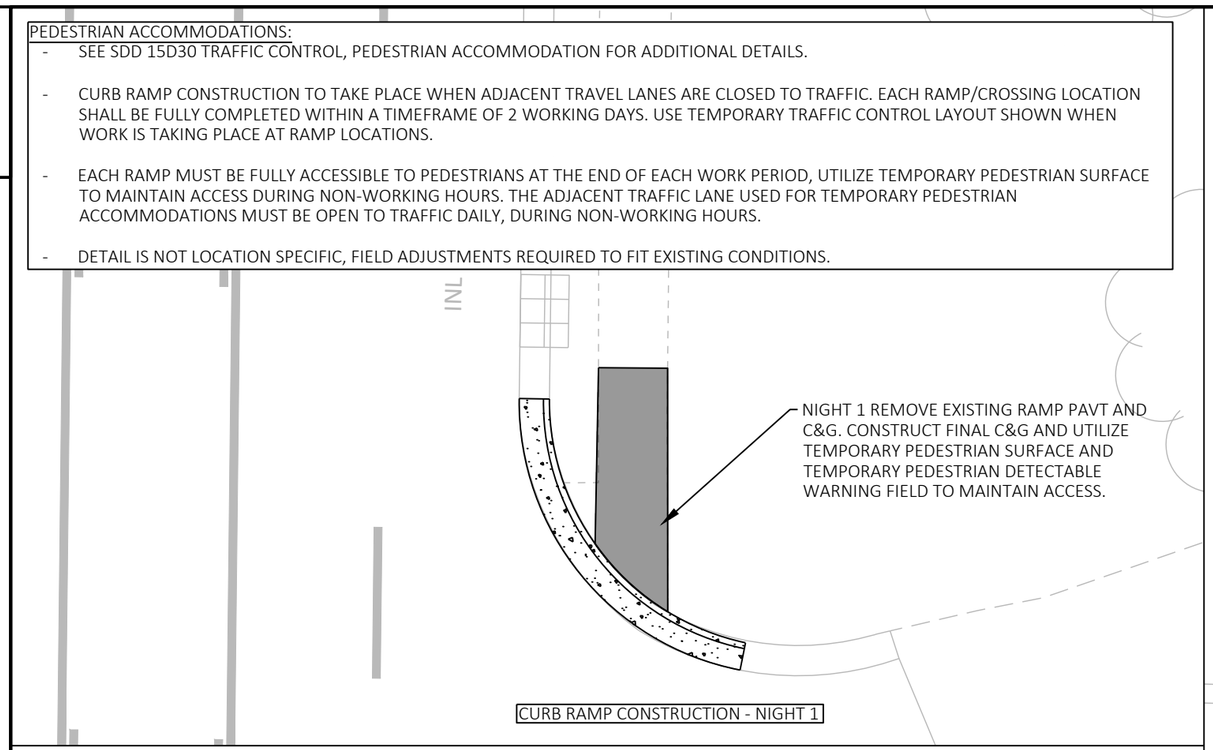


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	STAGE C-2	SHEET 125	E

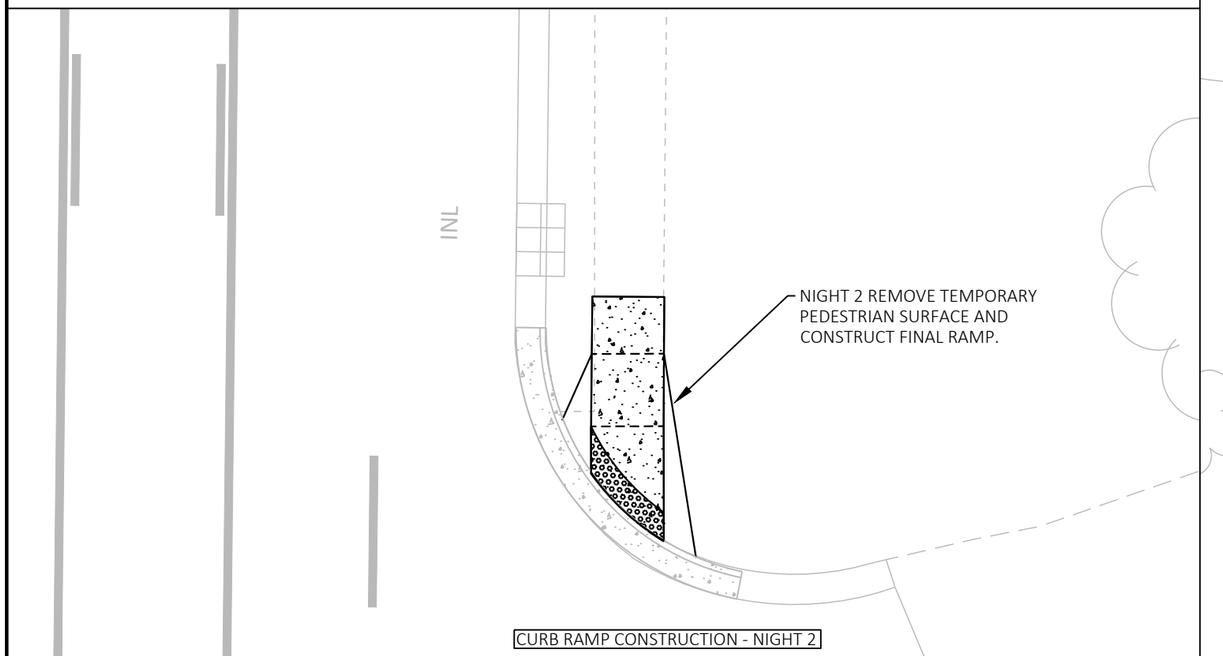
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\025110_TC.DWG
LAYOUT NAME - 11
PLOT DATE : 6/26/2024 9:36 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:100 FT

PEDESTRIAN ACCOMMODATIONS:

- SEE SDD 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR ADDITIONAL DETAILS.
- CURB RAMP CONSTRUCTION TO TAKE PLACE WHEN ADJACENT TRAVEL LANES ARE CLOSED TO TRAFFIC. EACH RAMP/CROSSING LOCATION SHALL BE FULLY COMPLETED WITHIN A TIMEFRAME OF 2 WORKING DAYS. USE TEMPORARY TRAFFIC CONTROL LAYOUT SHOWN WHEN WORK IS TAKING PLACE AT RAMP LOCATIONS.
- EACH RAMP MUST BE FULLY ACCESSIBLE TO PEDESTRIANS AT THE END OF EACH WORK PERIOD, UTILIZE TEMPORARY PEDESTRIAN SURFACE TO MAINTAIN ACCESS DURING NON-WORKING HOURS. THE ADJACENT TRAFFIC LANE USED FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS MUST BE OPEN TO TRAFFIC DAILY, DURING NON-WORKING HOURS.
- DETAIL IS NOT LOCATION SPECIFIC, FIELD ADJUSTMENTS REQUIRED TO FIT EXISTING CONDITIONS.



CURB RAMP CONSTRUCTION - NIGHT 1



CURB RAMP CONSTRUCTION - NIGHT 2

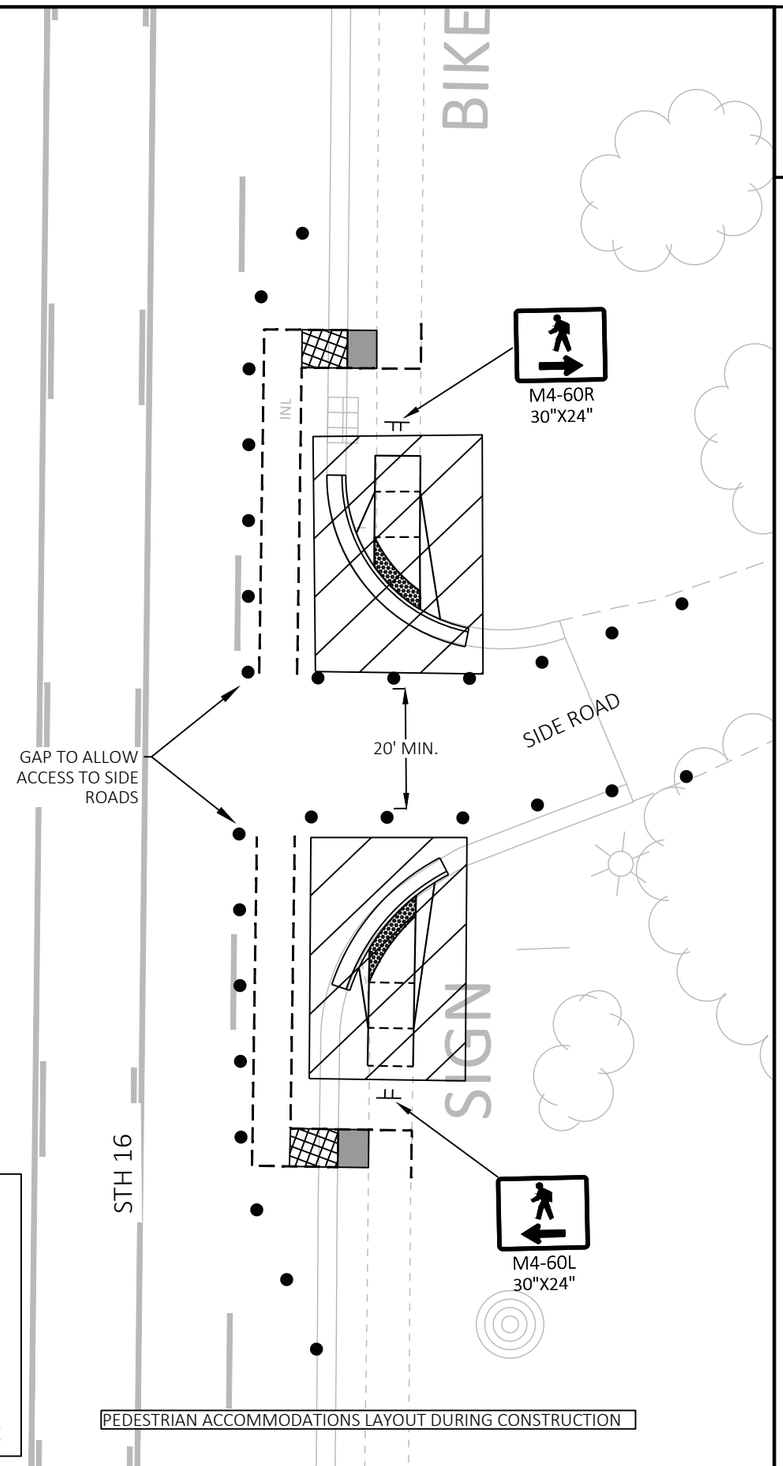
USE LAYOUT FOR CURB RAMP CONSTRUCTION AT THE FOLLOWING SIDE STREETS:

- EDGEWOOD PLACE*
- QUARRY RD
- BLUFF PASS
- VISTA CT SOUTH
- VISTA CT NORTH
- SUNSET CT
- GILLETTE ST (NE & SE RAMPS)
- SUNSET LN
- CTH B
- STH 157

* AT EDGEWOOD PLACE, THE TEMPORARY PEDESTRIAN PATH WILL USE THE FAR TRAFFIC LANE, NOT THE ADJACENT LANE. WORK WILL BE DONE DURING STAGE A-1 WHEN EASTBOUND LANES ARE CLOSED TO TRAFFIC AND WILL BE A CONTINUOUS DETOUR UNTIL WORK ON RAMPS IS COMPLETE.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE

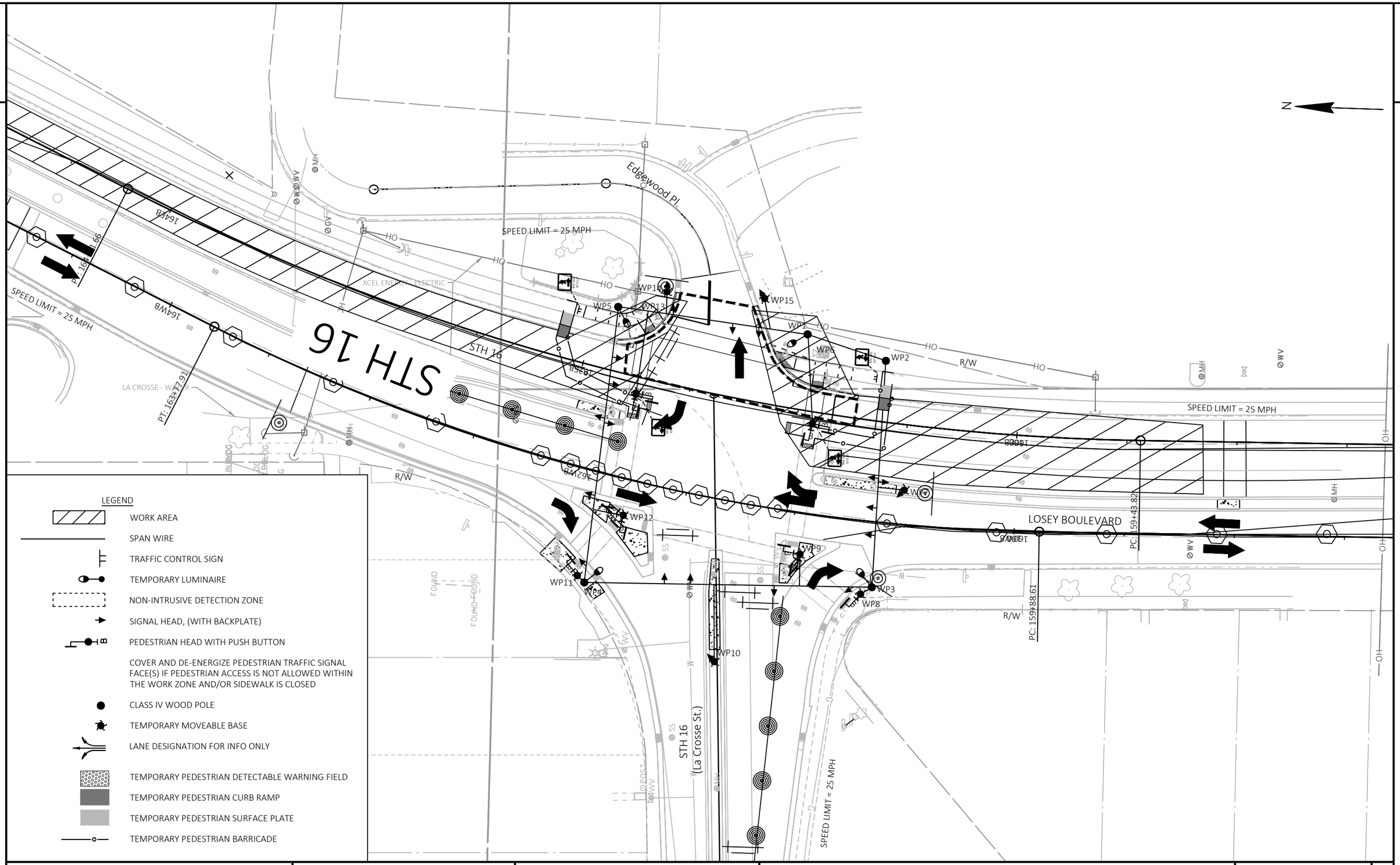


PEDESTRIAN ACCOMMODATIONS LAYOUT DURING CONSTRUCTION

2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS	SHEET 126	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021002_CD.DWG
LAYOUT NAME - 05
PLOT DATE : 7/18/2024 9:32 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42


STH 16
Edgewood Pl.
SPEED LIMIT = 25 MPH
SPEED LIMIT = 25 MPH
SPEED LIMIT = 25 MPH
LOSEY BOULEVARD
STH 16
(La Crosse St.)
SPEED LIMIT = 25 MPH
XCEL ENERGY - ELECTRIC
LA CROSSE - WATER
R/W
R/W
R/W
WP1
WP2
WP3
WP4
WP5
WP6
WP7
WP8
WP9
WP10
WP11
WP12
WP13
WP15
PC: 159+43.82
PC: 159+88.61
PT: 163+77.91
PT: 164+.66
16AVB
16AVB
16AVB
HO
OHW
OHW
OHW

2

2

N

Edgewood Pl.

SPEED LIMIT = 25 MPH

STH 16

LOSEY BOULEVARD

(La Crosse St.)

SPEED LIMIT = 25 MPH

WP1 WP2 WP3 WP4 WP5 WP6 WP7 WP8 WP9 WP10 WP11 WP12 WP13 WP14 WP15

LEGEND

- WORK AREA
- SPAN WIRE
- TRAFFIC CONTROL SIGN
- TEMPORARY LUMINAIRE
- NON-INTRUSIVE DETECTION ZONE
- SIGNAL HEAD, (WITH BACKPLATE)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- COVER AND DE-ENERGIZE PEDESTRIAN TRAFFIC SIGNAL FACE(S) IF PEDESTRIAN ACCESS IS NOT ALLOWED WITHIN THE WORK ZONE AND/OR SIDEWALK IS CLOSED
- CLASS IV WOOD POLE
- TEMPORARY MOVEABLE BASE
- LANE DESIGNATION FOR INFO ONLY
- TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE PLATE
- TEMPORARY PEDESTRIAN BARRICADE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL- TEMPORARY PEDESTRIAN ACCOMMODATIONS - STAGE S3	SHEET E

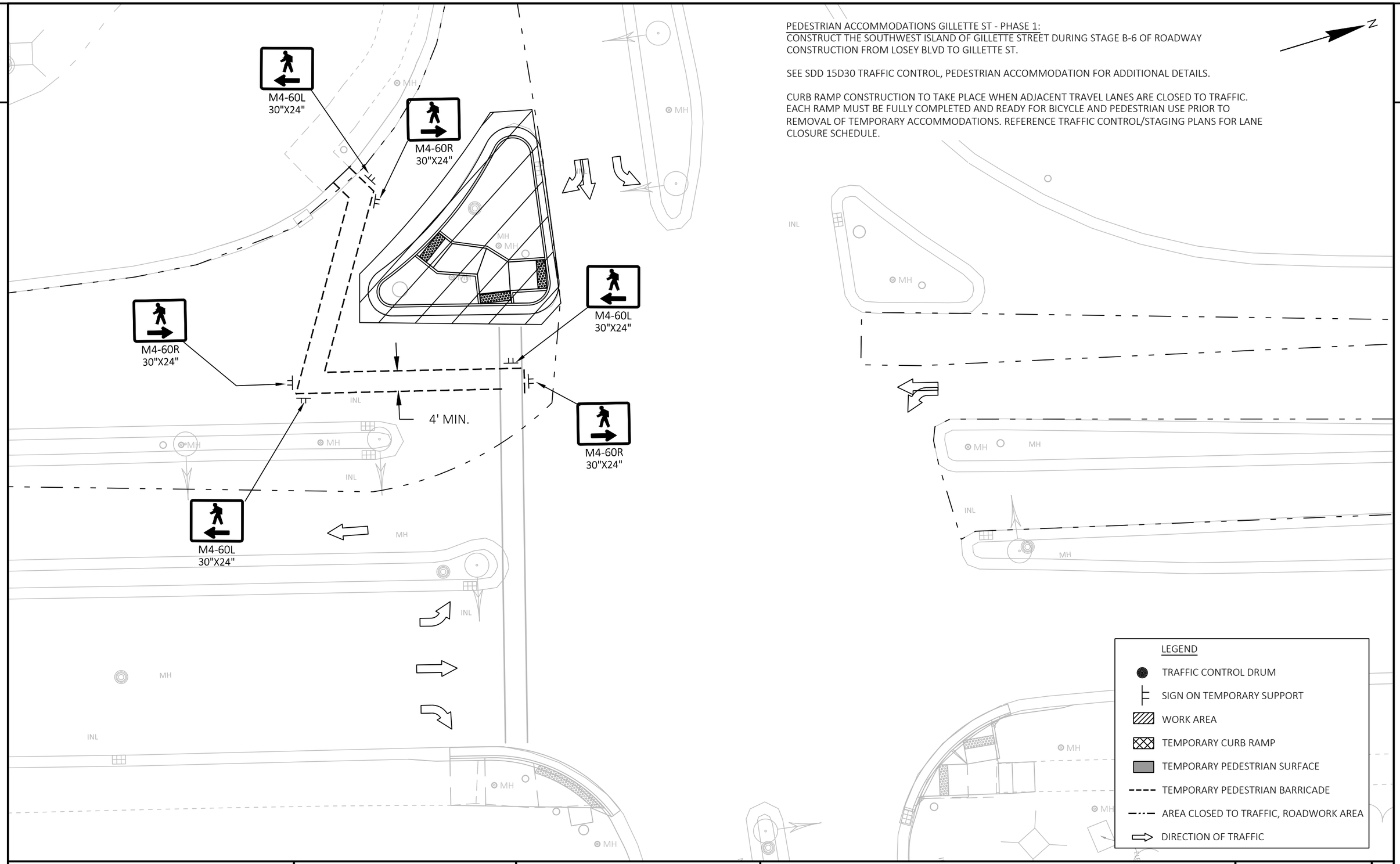
FILE NAME : T:\LACRC\21001 - TRAFFIC SIGNAL DESIGN\CAD\C3D\SHEETSPLAN\025100-TC_PED_S3.DWG
LAYOUT NAME - 025100-TC_PED_S3

PLOT DATE : 7/29/2024 3:57 AM PLOT BY : JASON ISAACSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

PEDESTRIAN ACCOMMODATIONS GILLETTE ST - PHASE 1:
CONSTRUCT THE SOUTHWEST ISLAND OF GILLETTE STREET DURING STAGE B-6 OF ROADWAY CONSTRUCTION FROM LOSEY BLVD TO GILLETTE ST.

SEE SDD 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR ADDITIONAL DETAILS.

CURB RAMP CONSTRUCTION TO TAKE PLACE WHEN ADJACENT TRAVEL LANES ARE CLOSED TO TRAFFIC. EACH RAMP MUST BE FULLY COMPLETED AND READY FOR BICYCLE AND PEDESTRIAN USE PRIOR TO REMOVAL OF TEMPORARY ACCOMMODATIONS. REFERENCE TRAFFIC CONTROL/STAGING PLANS FOR LANE CLOSURE SCHEDULE.



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS - GILLETTE STREET	SHEET 129	E

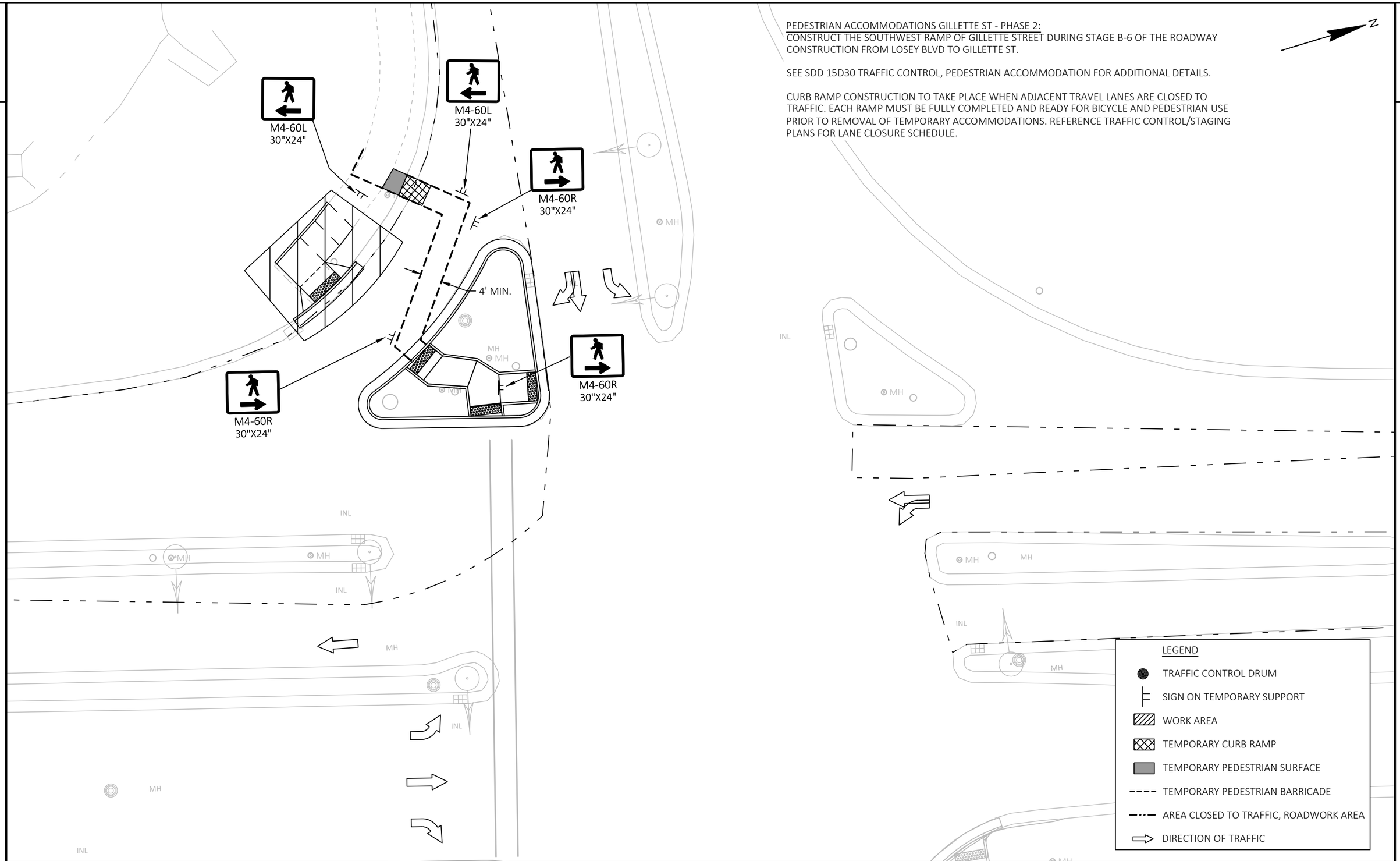
FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021002_CD.DWG
LAYOUT NAME - 06
PLOT DATE : 7/18/2024 9:33 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

PEDESTRIAN ACCOMMODATIONS GILLETTE ST - PHASE 2:
CONSTRUCT THE SOUTHWEST RAMP OF GILLETTE STREET DURING STAGE B-6 OF THE ROADWAY CONSTRUCTION FROM LOSEY BLVD TO GILLETTE ST.

SEE SDD 15D30 TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR ADDITIONAL DETAILS.

CURB RAMP CONSTRUCTION TO TAKE PLACE WHEN ADJACENT TRAVEL LANES ARE CLOSED TO TRAFFIC. EACH RAMP MUST BE FULLY COMPLETED AND READY FOR BICYCLE AND PEDESTRIAN USE PRIOR TO REMOVAL OF TEMPORARY ACCOMMODATIONS. REFERENCE TRAFFIC CONTROL/STAGING PLANS FOR LANE CLOSURE SCHEDULE.



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - TEMPORARY PEDESTRIAN ACCOMMODATIONS - GILLETTE STREET	SHEET 130	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\021002_CD.DWG
LAYOUT NAME - 07
PLOT DATE : 7/18/2024 9:33 AM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

N

USH 14/61/STH 16

STH 16

STH 33 (JACKSON ST)

USH 53 (COPELAND AV)

STH 16

MISSISSIPPI RIVER

IH 90

STH 35 (WEST AV N)

STH 35 (LANG DR)

STH 35 (GEORGE ST)

STH 35 (ROSE ST)

CITY OF ONALASKA

STH 35 (2ND AV N)

CITY OF LA CROSSE

STH 16 (LA CROSSE ST)

USH 53/IH 90

LOSEY BLVD N

BEGIN PROJECT

LA CROSSE RIVER

GILLETTE ST

PCMS TO BE IN PLACE FOR 7 DAYS IN ADVANCE OF CLOSURE

PCMS MESSAGE

HWY 16WB	STARTING
CLOSED	X/XX

USH 53

STH 157

12TH AVE S

MB

LA CROSSE RIVER

CTH B

NB/EB OPEN TO TRAFFIC WITH MEDIAN CROSS-OVERS
SB/WB REROUTED TO USH 53/IH90 DETOUR

END PROJECT

STH 16

PCMS MESSAGE

HWY 16WB	FOLLOW
CLOSD AT	DETOUR
HWY 157	

MB

PCMS MESSAGE

HWY 16WB	FOLLOW
CLOSD AT	DETOUR
HWY 157	

MB

STH 16

IH 90

TRAFFIC CONTROL LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- WORK SPACE

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL: DETOUR OVERVIEW	SHEET 131 E

FILE NAME : \\sp-pz1.sehinc.com\pzprojects1\UZ\W\WITSW\166662\civil 3d\75750106\SheetsPlan\SEC 02 Typ Sec & Details\027000-dt (Detour Overview).dwg PLOT DATE : 6/26/2024 9:59 AM PLOT BY : SEH LAYOUT NAME : 01 PLOT SCALE : 1.0 IN = 2640.0 FT

WISDOT/CADDS SHEET 42

2

DRAWING NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF STANDARD DETAIL DRAWING "*BARRICADES AND SIGNS FOR VARIOUS CLOSURE, DETAIL E*" (15C2, SHEET B).

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

1 M4-8 DETOUR WEST 16 — J2-1 24"X57"

2 M4-8 DETOUR WEST 16 — J2-1 24"X57"

3 M4-8 DETOUR WEST 16 — J2-1 24"X57"

4 M4-8 DETOUR WEST 16 — J2-1 24"X57"

5 M4-8 DETOUR WEST 16 — J2-1 24"X57"

6 M4-8 DETOUR WEST 16 — J2-1 24"X57"

7 M4-8 DETOUR WEST 16 — J4-1 24"X36"

8 M4-8 DETOUR WEST 16 — J2-1 24"X57"

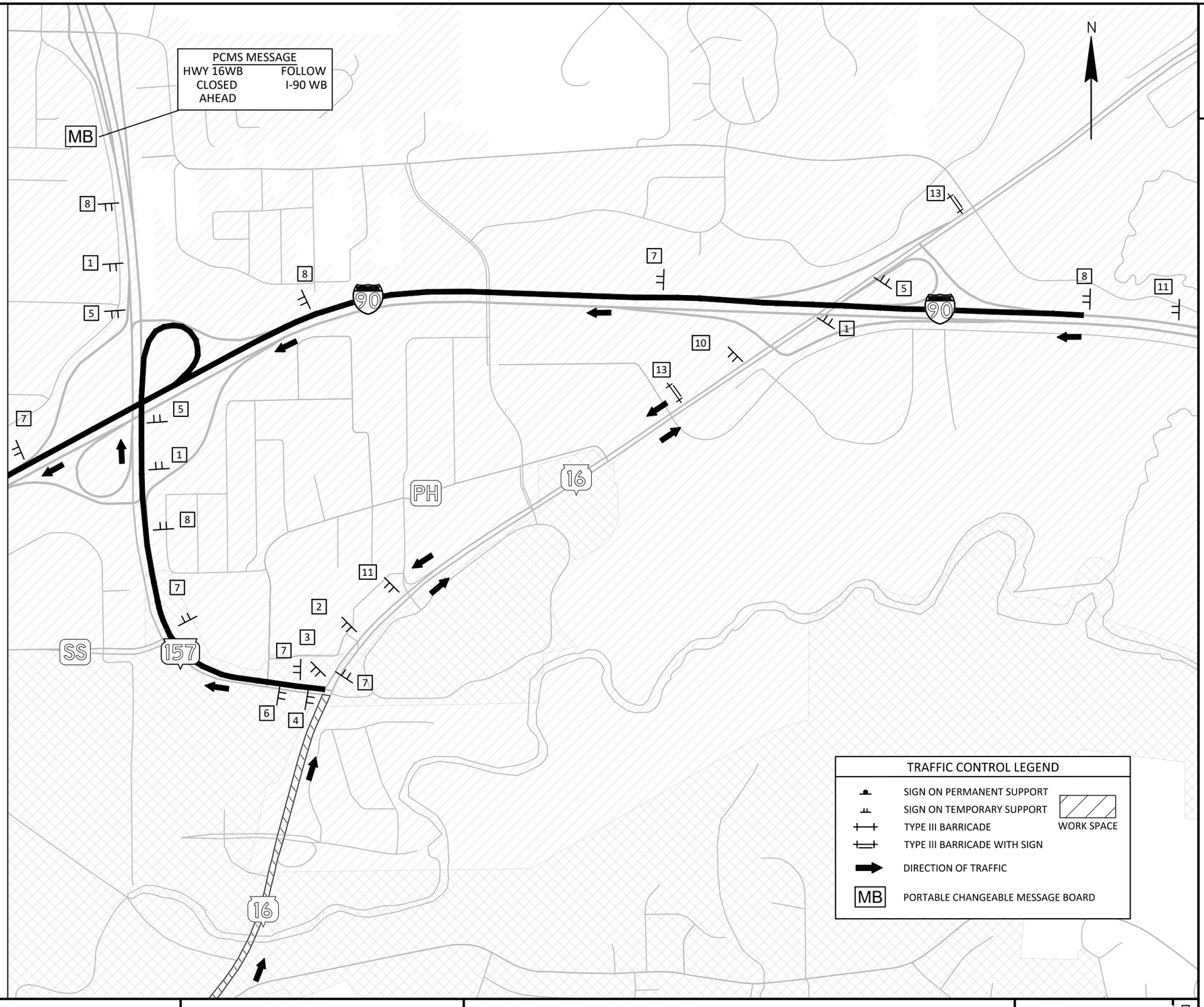
9 END DETOUR — M4-8A 24"X18"

10 ROAD CLOSED 1 MILE — W20-3F

11 WEST 16 DETOUR AHEAD — W20-2A

12 DETOUR — M4-9R 30"X24"

13 ROAD CLOSED TO THRU TRAFFIC 00 MILES AHEAD — R11-3 60"X30"



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - CLOSURE DETAIL	SHEET 132 E

2

DRAWING NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF STANDARD DETAIL DRAWING "*BARRICADES AND SIGNS FOR VARIOUS CLOSURE, DETAIL E*" (15C2, SHEET B).

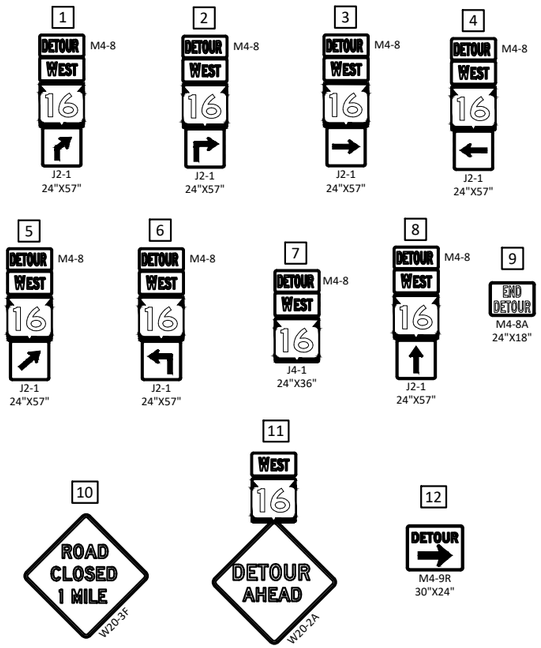
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

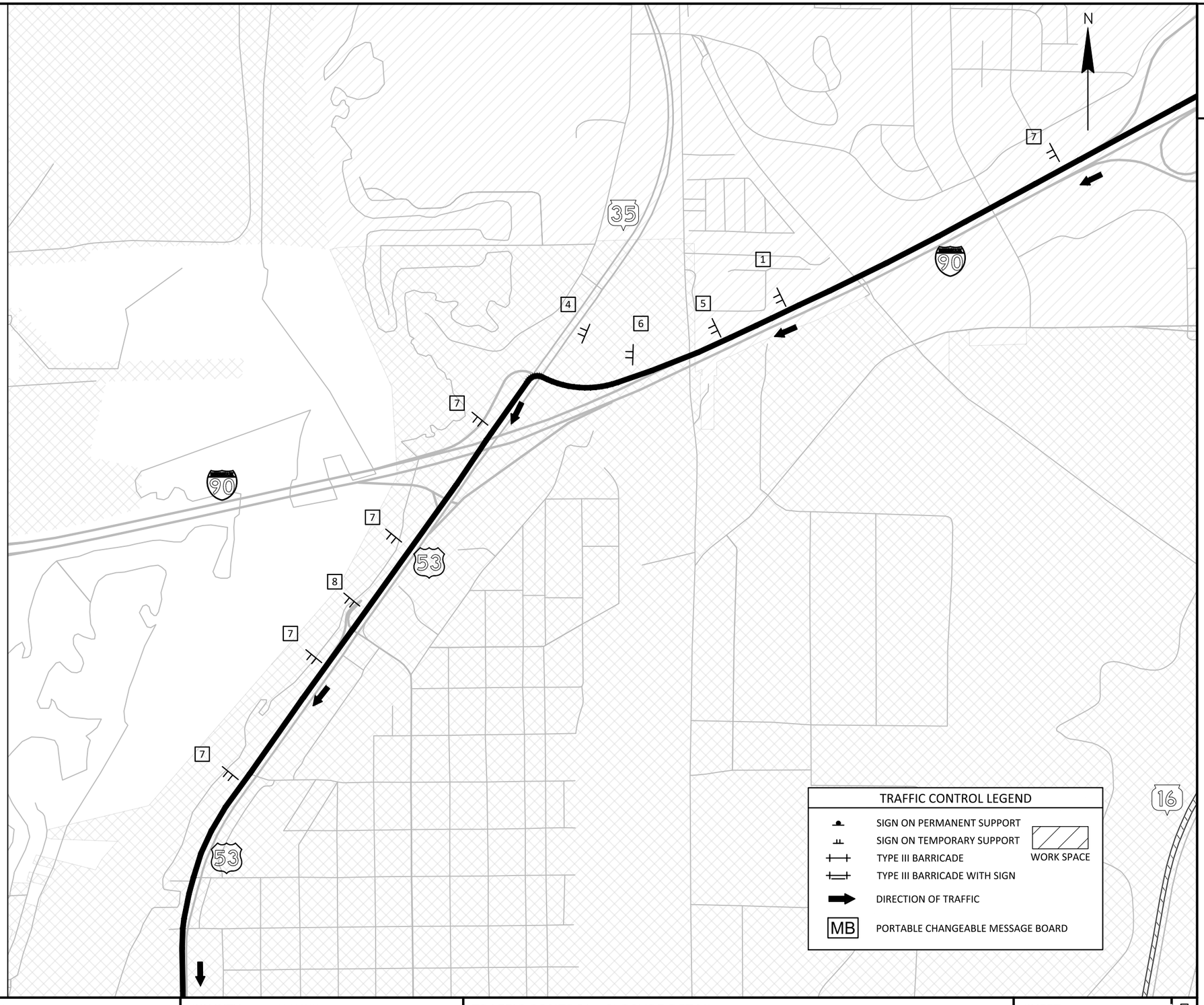
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.





2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - CLOSURE DETAIL	SHEET 133 E

2

DRAWING NOTES:

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF STANDARD DETAIL DRAWING "*BARRICADES AND SIGNS FOR VARIOUS CLOSURE, DETAIL E*" (15C2, SHEET B).

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

ALL "W" AND "WO" SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK MESSAGE ON WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

1 M4-8 DETOUR WEST 16 — J2-1 24"X57"

2 M4-8 DETOUR WEST 16 — J2-1 24"X57"

3 M4-8 DETOUR WEST 16 — J2-1 24"X57"

4 M4-8 DETOUR WEST 16 — J2-1 24"X57"

5 M4-8 DETOUR WEST 16 — J2-1 24"X57"

6 M4-8 DETOUR WEST 16 — J2-1 24"X57"

7 M4-8 DETOUR WEST 16 — J4-1 24"X36"

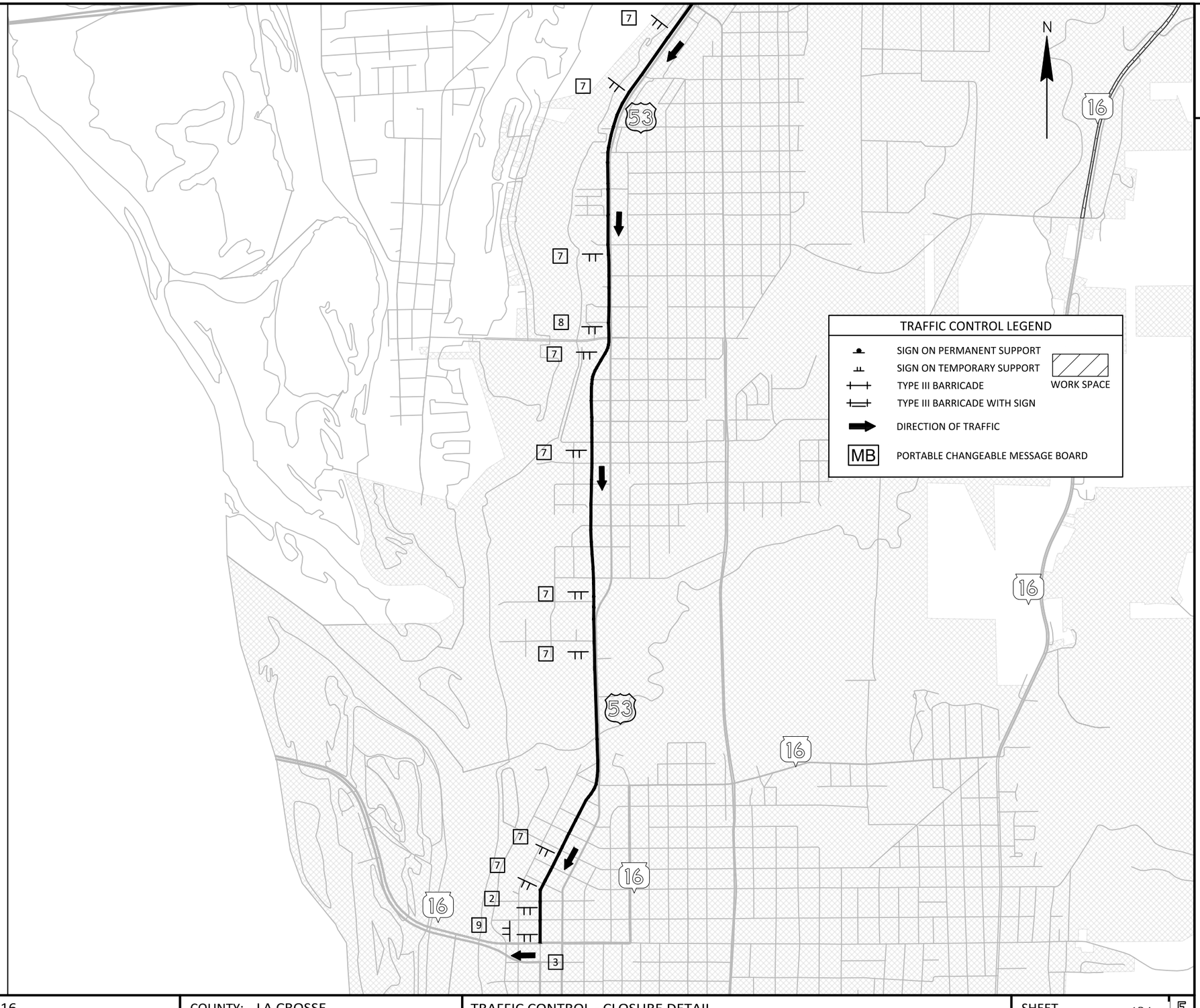
8 M4-8 DETOUR WEST 16 — J2-1 24"X57"

9 END DETOUR — M4-8A 24"X18"

10 ROAD CLOSED 1 MILE — W20-3F

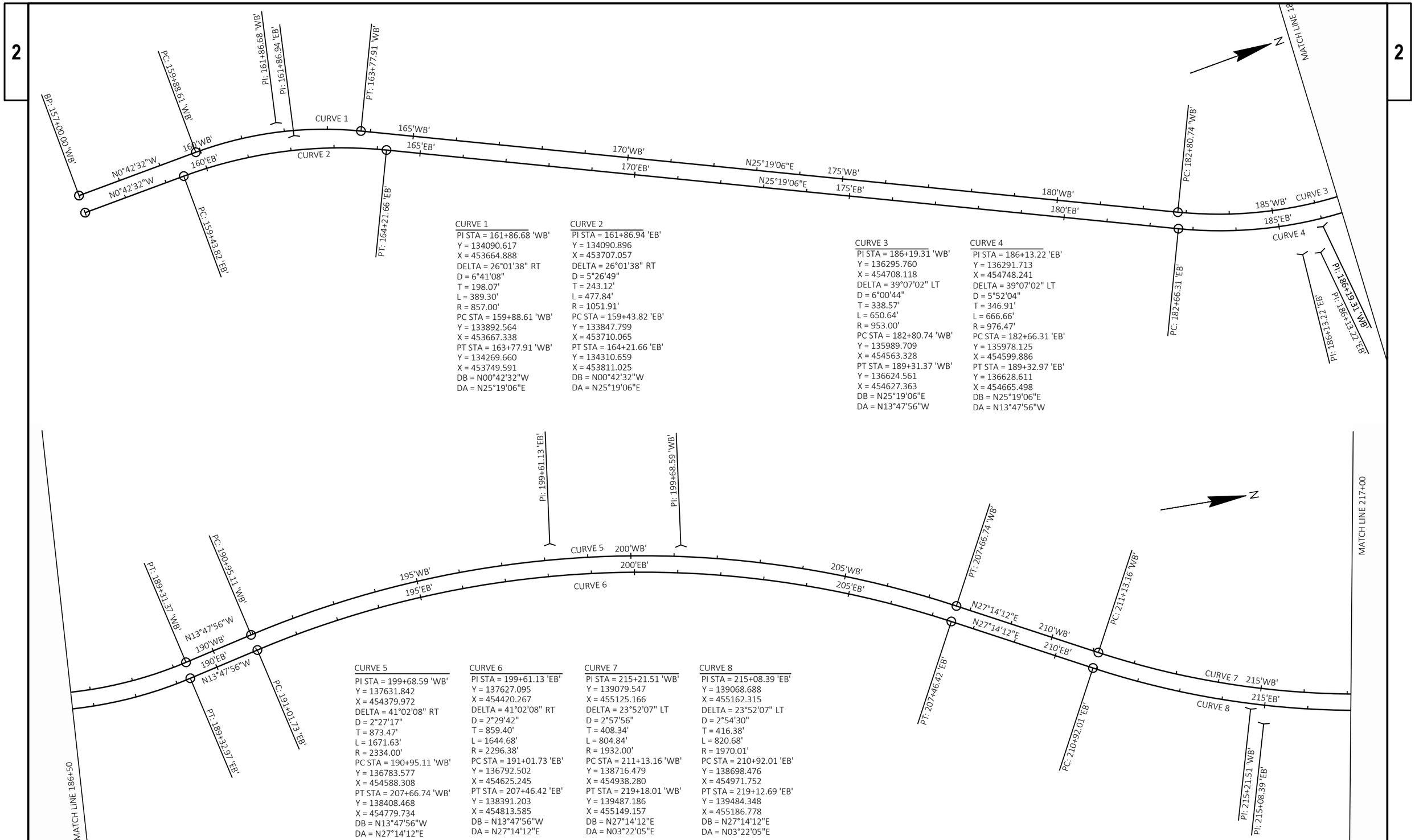
11 WEST 16 DETOUR AHEAD — W20-2A

12 DETOUR — M4-9R 30"X24"



2

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	TRAFFIC CONTROL - CLOSURE DETAIL	SHEET 134 E



CURVE 1	
PI STA =	161+86.68 'WB'
Y =	134090.617
X =	453664.888
DELTA =	26°01'38" RT
D =	6°41'08"
T =	198.07'
L =	389.30'
R =	857.00'
PC STA =	159+88.61 'WB'
Y =	133892.564
X =	453667.338
PT STA =	163+77.91 'WB'
Y =	134269.660
X =	453749.591
DB =	N00°42'32"W
DA =	N25°19'06"E

CURVE 2	
PI STA =	161+86.94 'EB'
Y =	134090.896
X =	453707.057
DELTA =	26°01'38" RT
D =	5°26'49"
T =	243.12'
L =	477.84'
R =	1051.91'
PC STA =	159+43.82 'EB'
Y =	133847.799
X =	453710.065
PT STA =	164+21.66 'EB'
Y =	134310.659
X =	453811.025
DB =	N00°42'32"W
DA =	N25°19'06"E

CURVE 3	
PI STA =	186+19.31 'WB'
Y =	136295.760
X =	454708.118
DELTA =	39°07'02" LT
D =	6°00'44"
T =	338.57'
L =	650.64'
R =	953.00'
PC STA =	182+80.74 'WB'
Y =	135989.709
X =	454563.328
PT STA =	189+31.37 'WB'
Y =	136624.561
X =	454627.363
DB =	N25°19'06"E
DA =	N13°47'56"W

CURVE 4	
PI STA =	186+13.22 'EB'
Y =	136291.713
X =	454748.241
DELTA =	39°07'02" LT
D =	5°52'04"
T =	346.91'
L =	666.66'
R =	976.47'
PC STA =	182+66.31 'EB'
Y =	135978.125
X =	454599.886
PT STA =	189+32.97 'EB'
Y =	136628.611
X =	454665.498
DB =	N25°19'06"E
DA =	N13°47'56"W

CURVE 5	
PI STA =	199+68.59 'WB'
Y =	137631.842
X =	454379.972
DELTA =	41°02'08" RT
D =	2°27'17"
T =	873.47'
L =	1671.63'
R =	2334.00'
PC STA =	190+95.11 'WB'
Y =	136783.577
X =	454588.308
PT STA =	207+66.74 'WB'
Y =	138408.468
X =	454779.734
DB =	N13°47'56"W
DA =	N27°14'12"E

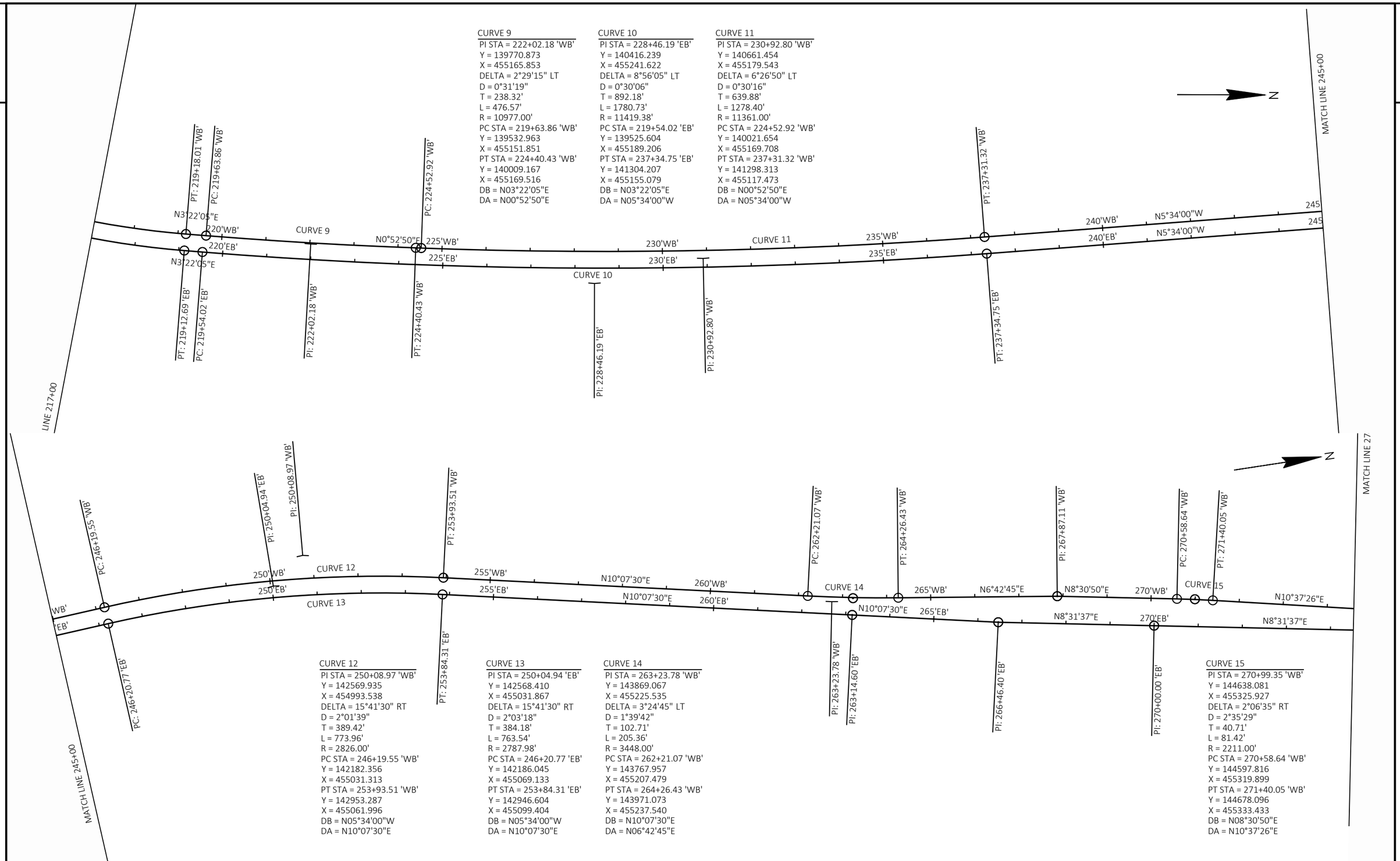
CURVE 6	
PI STA =	199+61.13 'EB'
Y =	137627.095
X =	454420.267
DELTA =	41°02'08" RT
D =	2°29'42"
T =	859.40'
L =	1644.68'
R =	2296.38'
PC STA =	191+01.73 'EB'
Y =	136792.502
X =	454625.245
PT STA =	207+46.42 'EB'
Y =	138391.203
X =	454813.585
DB =	N13°47'56"W
DA =	N27°14'12"E

CURVE 7	
PI STA =	215+21.51 'WB'
Y =	139079.547
X =	455125.166
DELTA =	23°52'07" LT
D =	2°57'56"
T =	408.34'
L =	804.84'
R =	1932.00'
PC STA =	211+13.16 'WB'
Y =	138716.479
X =	454938.280
PT STA =	219+18.01 'WB'
Y =	139487.186
X =	455149.157
DB =	N27°14'12"E
DA =	N03°22'05"E

CURVE 8	
PI STA =	215+08.39 'EB'
Y =	139068.688
X =	455162.315
DELTA =	23°52'07" LT
D =	2°54'30"
T =	416.38'
L =	820.68'
R =	1970.01'
PC STA =	210+92.01 'EB'
Y =	138698.476
X =	454971.752
PT STA =	219+12.69 'EB'
Y =	139484.348
X =	455186.778
DB =	N27°14'12"E
DA =	N03°22'05"E

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	ALIGNMENT DETAILS	SHEET 135	E

2



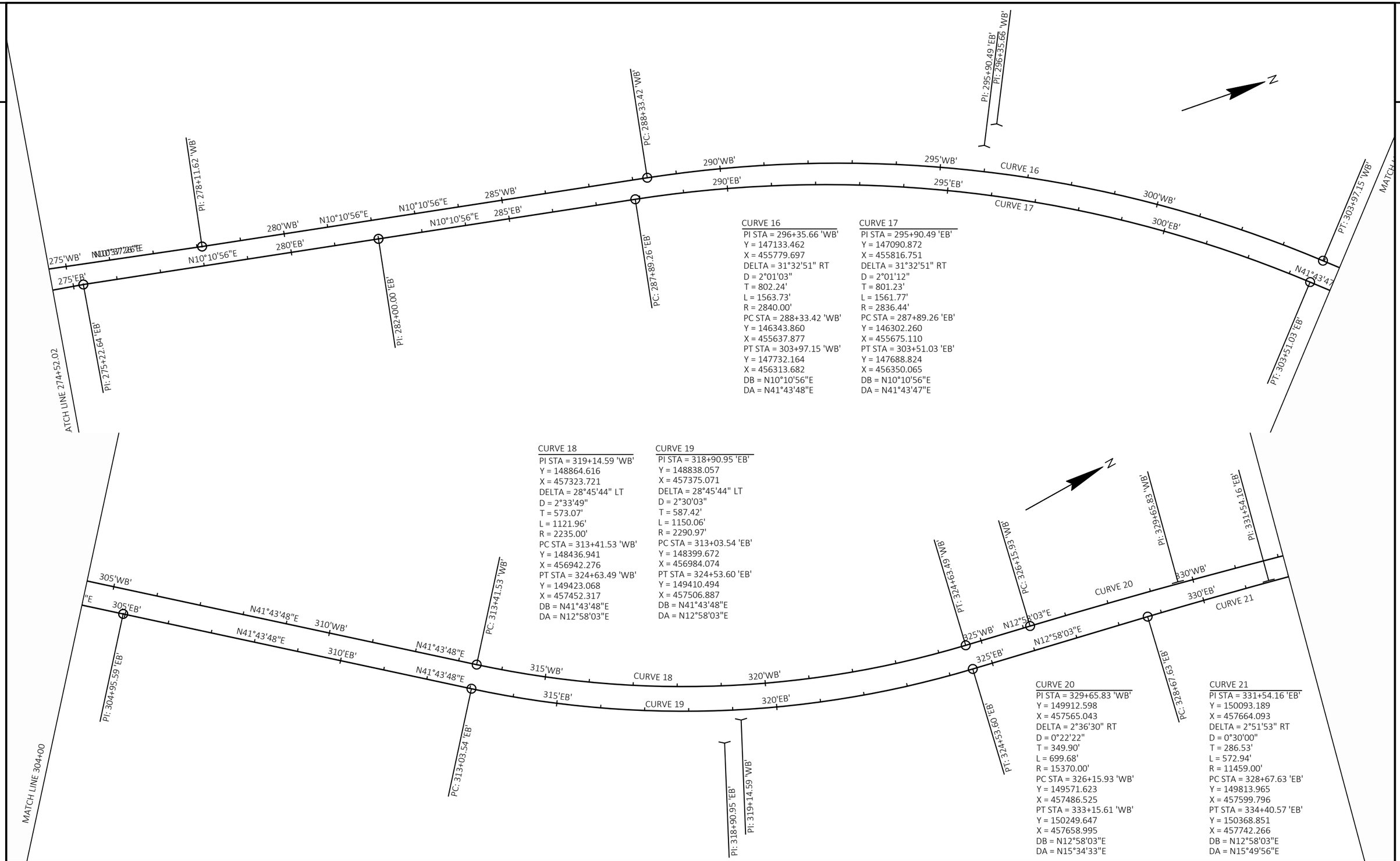
CURVE 12
PI STA = 250+08.97 'WB'
Y = 142569.935
X = 454993.538
DELTA = 15°41'30" RT
D = 2°01'39"
T = 389.42'
L = 773.96'
R = 2826.00'
PC STA = 246+19.55 'WB'
Y = 142182.356
X = 455031.313
PT STA = 253+93.51 'WB'
Y = 142953.287
X = 455061.996
DB = N05°34'00"W
DA = N10°07'30"E

CURVE 13
PI STA = 250+04.94 'EB'
Y = 142568.410
X = 455031.867
DELTA = 15°41'30" RT
D = 2°03'18"
T = 384.18'
L = 763.54'
R = 2787.98'
PC STA = 246+20.77 'EB'
Y = 142186.045
X = 455069.133
PT STA = 253+84.31 'EB'
Y = 142946.604
X = 455099.404
DB = N05°34'00"W
DA = N10°07'30"E

CURVE 14
PI STA = 263+23.78 'WB'
Y = 143869.067
X = 455225.535
DELTA = 3°24'45" LT
D = 1°39'42"
T = 102.71'
L = 205.36'
R = 3448.00'
PC STA = 262+21.07 'WB'
Y = 143767.957
X = 455207.479
PT STA = 264+26.43 'WB'
Y = 143971.073
X = 455237.540
DB = N10°07'30"E
DA = N06°42'45"E

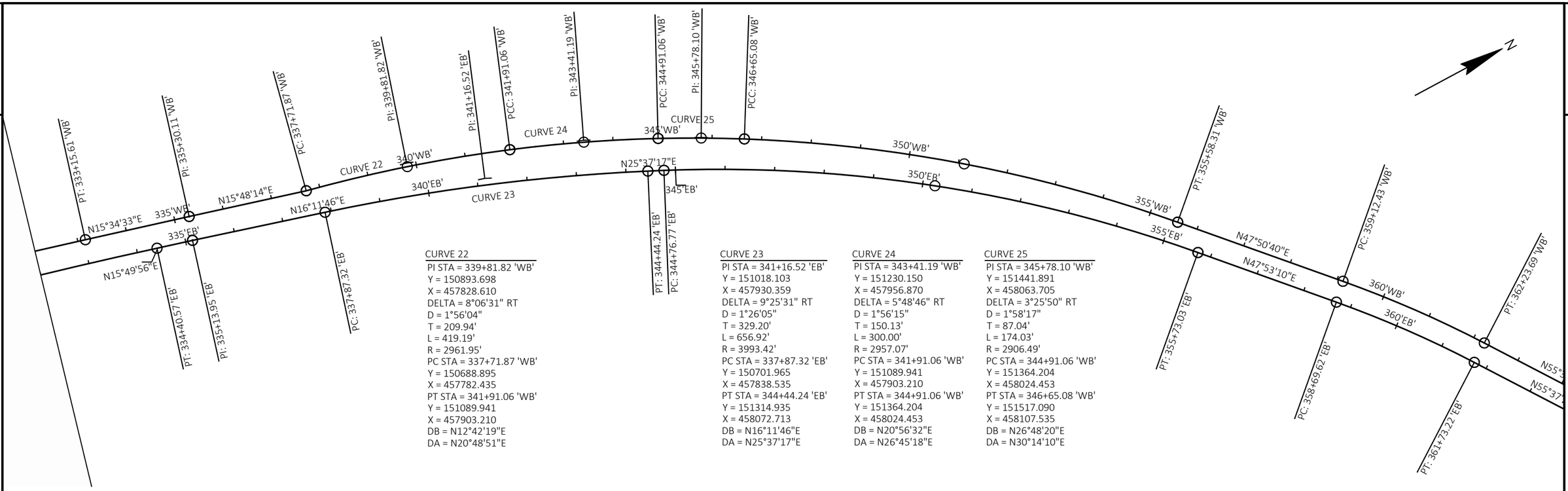
CURVE 15
PI STA = 270+99.35 'WB'
Y = 144638.081
X = 455325.927
DELTA = 2°06'35" RT
D = 2°35'29"
T = 40.71'
L = 81.42'
R = 2211.00'
PC STA = 270+58.64 'WB'
Y = 144597.816
X = 455319.899
PT STA = 271+40.05 'WB'
Y = 144678.096
X = 455333.433
DB = N08°30'50"E
DA = N10°37'26"E

2



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	ALIGNMENT DETAILS	SHEET 137	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\027201-AD.DWG
LAYOUT NAME - 103
PLOT DATE : 5/2/2024 12:53 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42



CURVE 22

PI STA	339+81.82 'WB'
Y	150893.698
X	457828.610
DELTA	8°06'31" RT
D	1°56'04"
T	209.94'
L	419.19'
R	2961.95'
PC STA	337+71.87 'WB'
Y	150688.895
X	457782.435
PT STA	341+91.06 'WB'
Y	151089.941
X	457903.210
DB	N12°42'19"E
DA	N20°48'51"E

CURVE 23

PI STA	341+16.52 'EB'
Y	151018.103
X	457930.359
DELTA	9°25'31" RT
D	1°26'05"
T	329.20'
L	656.92'
R	3993.42'
PC STA	337+87.32 'EB'
Y	150701.965
X	457838.535
PT STA	344+44.24 'EB'
Y	151314.935
X	458072.713
DB	N16°11'46"E
DA	N25°37'17"E

CURVE 24

PI STA	343+41.19 'WB'
Y	151230.150
X	457956.870
DELTA	5°48'46" RT
D	1°56'15"
T	150.13'
L	300.00'
R	2957.07'
PC STA	341+91.06 'WB'
Y	151089.941
X	457903.210
PT STA	344+91.06 'WB'
Y	151364.204
X	458024.453
DB	N20°56'32"E
DA	N26°45'18"E

CURVE 25

PI STA	345+78.10 'WB'
Y	151441.891
X	458063.705
DELTA	3°25'50" RT
D	1°58'17"
T	87.04'
L	174.03'
R	2906.49'
PC STA	344+91.06 'WB'
Y	151364.204
X	458024.453
PT STA	346+65.08 'WB'
Y	151517.090
X	458107.535
DB	N26°48'20"E
DA	N30°14'10"E

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	ALIGNMENT DETAILS	SHEET 138	E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 02 TYP SEC & DETAILS\027201-AD.DWG
LAYOUT NAME - 104
PLOT DATE : 5/2/2024 12:53 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

7575-01-76

Line	Item	Item Description	Unit	Total	Qty
0010	204.0100	Removing Concrete Pavement	SY	357.000	357.000
0012	204.0105	Removing Concrete Pavement Butt Joints	SY	101.000	101.000
0014	204.0109.S	Removing Concrete Surface Partial Depth	SF	45,242.000	45,242.000
0016	204.0110	Removing Asphaltic Surface	SY	140.000	140.000
0018	204.0115	Removing Asphaltic Surface Butt Joints	SY	428.000	428.000
0020	204.0120	Removing Asphaltic Surface Milling	SY	105,597.000	105,597.000
0022	204.0150	Removing Curb & Gutter	LF	9,364.000	9,364.000
0024	204.0155	Removing Concrete Sidewalk	SY	626.000	626.000
0026	204.0165	Removing Guardrail	LF	151.000	151.000
0028	204.0195	Removing Concrete Bases	EACH	3.000	3.000
0030	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	156.000	156.000
0032	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	40.000	40.000
0034	205.0100	Excavation Common	CY	1,626.000	1,626.000
0038	213.0100	Finishing Roadway (project) 02. 7575-01-76	EACH	1.000	1.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,276.000	1,276.000
0042	390.0100	Removing Pavement for Base Patching	CY	3,265.000	3,265.000
0044	390.0305	Base Patching Concrete HES	CY	868.000	868.000
0046	390.0405	Base Patching Concrete SHES	CY	2,397.000	2,397.000
0050	415.1090	Concrete Pavement HES 9-Inch	SY	357.000	357.000
0052	416.0610	Drilled Tie Bars	EACH	4,536.000	4,536.000
0054	416.0620	Drilled Dowel Bars	EACH	5,180.000	5,180.000
0056	455.0605	Tack Coat	GAL	7,628.000	7,628.000
0058	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0060	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0062	460.2005	Incentive Density PWL HMA Pavement	DOL	8,273.000	8,273.000
0064	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	6,500.000	6,500.000
0066	460.2010	Incentive Air Voids HMA Pavement	DOL	10,678.000	10,678.000
0068	460.7424	HMA Pavement 4 HT 58-28 H	TON	10,678.000	10,678.000
0070	465.0105	Asphaltic Surface	TON	28.000	28.000
0072	465.0125	Asphaltic Surface Temporary	TON	312.000	312.000
0124	520.8000	Concrete Collars for Pipe	EACH	40.000	40.000
0128	601.0417	Concrete Curb & Gutter 30-Inch Type K	LF	4,270.000	4,270.000
0132	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	141.000	141.000
0134	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	375.000	375.000
0138	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	156.000	156.000
0140	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	40.000	40.000
0142	611.0430	Reconstructing Inlets	EACH	128.000	128.000
0144	611.0606	Inlet Covers Type B	EACH	16.000	16.000
0146	611.0624	Inlet Covers Type H	EACH	21.000	21.000
0148	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0150	611.3220	Inlets 2x2-FT	EACH	11.000	11.000
0152	611.3230	Inlets 2x3-FT	EACH	14.000	14.000
0154	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0156	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0158	611.9705	Salvaged Manhole Covers	EACH	2.000	2.000
0160	611.9710	Salvaged Inlet Covers	EACH	3.000	3.000
0162	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	1.000	1.000
0164	614.1100	MGS Guardrail Temporary Thrie Beam Transition	LF	39.400	39.400
0166	614.1200	MGS Guardrail Temporary Terminal EAT	EACH	1.000	1.000

7575-01-76

Line	Item	Item Description	Unit	Total	Qty
0168	614.2300	MGS Guardrail 3	LF	25.000	25.000
0170	614.2500	MGS Thrie Beam Transition	LF	39.400	39.400
0172	614.2610	MGS Guardrail Terminal EAT	EACH	1.000	1.000
0174	619.1000	Mobilization	EACH	0.670	0.670
0176	624.0100	Water	MGAL	21.000	21.000
0178	625.0100	Topsoil	SY	1,919.000	1,919.000
0180	625.0500	Salvaged Topsoil	SY	4,577.000	4,577.000
0182	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0184	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0188	628.2008	Erosion Mat Urban Class I Type B	SY	6,496.000	6,496.000
0190	628.7015	Inlet Protection Type C	EACH	260.000	260.000
0192	629.0210	Fertilizer Type B	CWT	5.700	5.700
0194	630.0140	Seeding Mixture No. 40	LB	121.000	121.000
0196	630.0200	Seeding Temporary	LB	179.000	179.000
0198	630.0500	Seed Water	MGAL	148.000	148.000
0202	638.2102	Moving Signs Type II	EACH	5.000	5.000
0206	643.0300	Traffic Control Drums	DAY	30,757.000	30,757.000
0208	643.0420	Traffic Control Barricades Type III	DAY	5,697.000	5,697.000
0210	643.0650	Traffic Control Channelizing Curb System	LF	263.000	263.000
0212	643.0705	Traffic Control Warning Lights Type A	DAY	8,498.000	8,498.000
0214	643.0715	Traffic Control Warning Lights Type C	DAY	8,579.000	8,579.000
0216	643.0800	Traffic Control Arrow Boards	DAY	303.000	303.000
0218	643.0900	Traffic Control Signs	DAY	30,398.000	30,398.000
0220	643.0920	Traffic Control Covering Signs Type II	EACH	69.000	69.000
0222	643.1050	Traffic Control Signs PCMS	DAY	662.000	662.000
0224	643.1070	Traffic Control Cones 42-Inch	DAY	3,922.000	3,922.000
0226	643.3165	Temporary Marking Line Paint 6-Inch	LF	15,752.000	15,752.000
0228	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	1,330.000	1,330.000
0230	643.3265	Temporary Marking Line Paint 10-Inch	LF	1,807.000	1,807.000
0232	643.3550	Temporary Marking Arrow Removable Tape	EACH	8.000	8.000
0234	643.3650	Temporary Marking Word Removable Tape	EACH	2.000	2.000
0236	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	286.000	286.000
0238	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	844.000	844.000
0240	643.4100	Traffic Control Interim Lane Closure	EACH	128.000	128.000
0242	643.5000	Traffic Control	EACH	0.670	0.670
0244	644.1430	Temporary Pedestrian Surface Plate	SF	2,963.000	2,963.000
0246	644.1601	Temporary Pedestrian Curb Ramp	DAY	40.000	40.000
0250	644.1810	Temporary Pedestrian Barricade	LF	2,300.000	2,300.000
0252	646.1020	Marking Line Epoxy 4-Inch	LF	560.000	560.000
0254	646.2020	Marking Line Epoxy 6-Inch	LF	6,409.000	6,409.000
0256	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	81,611.000	81,611.000
0258	646.3020	Marking Line Epoxy 8-Inch	LF	554.000	554.000
0260	646.4020	Marking Line Epoxy 10-Inch	LF	476.000	476.000
0262	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	4,625.000	4,625.000
0264	646.5020	Marking Arrow Epoxy	EACH	86.000	86.000
0266	646.5120	Marking Word Epoxy	EACH	16.000	16.000
0270	646.6120	Marking Stop Line Epoxy 18-Inch	LF	775.000	775.000
0272	646.7220	Marking Chevron Epoxy 24-Inch	LF	24.000	24.000
0274	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,873.000	1,873.000

7575-01-76

Line	Item	Item Description	Unit	Total	Qty
0276	646.8120	Marking Curb Epoxy	LF	808.000	808.000
0278	646.8220	Marking Island Nose Epoxy	EACH	26.000	26.000
0280	650.8000	Construction Staking Resurfacing Reference	LF	32,349.000	32,349.000
0284	650.9000	Construction Staking Curb Ramps	EACH	23.000	23.000
0290	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	8.000	8.000
0296	652.0615	Conduit Special 3-Inch	LF	184.000	184.000
0302	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	1.000	1.000
0304	653.0905	Removing Pull Boxes	EACH	1.000	1.000
0306	654.0101	Concrete Bases Type 1	EACH	1.000	1.000
0314	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,276.000	1,276.000
0326	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	283.000	283.000
0358	661.0201	Temporary Traffic Signals for Intersections (location) 01. La Crosse St	EACH	1.000	1.000
0360	661.0201	Temporary Traffic Signals for Intersections (location) 02. STH 16 & Conoco Rd/CTH B	EACH	1.000	1.000
0362	661.0300	Generators	DAY	2.000	2.000
0364	677.0200	Install Camera Assembly	EACH	1.000	1.000
0366	690.0150	Sawing Asphalt	LF	1,608.000	1,608.000
0368	690.0250	Sawing Concrete	LF	57,355.000	57,355.000
0370	740.0440	Incentive IRI Ride	DOL	24,888.000	24,888.000
0374	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0376	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0378	SPV.0060	Special 01. Storm Sewer Mortar Work	EACH	70.000	70.000
0380	SPV.0060	Special 02. Inlet Covers Flat Temporary	EACH	3.000	3.000
0382	SPV.0060	Special 03. Remove and Reinstall Traffic Signal Standard	EACH	1.000	1.000
0412	SPV.0090	Special 01. Concrete Gutter 24-Inch SHES	LF	2,214.000	2,214.000
0414	SPV.0090	Special 02. Concrete Curb & Gutter 30-Inch Type K SHES	LF	4,799.000	4,799.000
0416	SPV.0090	Special 03.Concrete Curb Pedestrian SHES	LF	188.000	188.000
0418	SPV.0090	Special 04. Concrete Joint and Crack Cleaning	LF	38,138.000	38,138.000
0420	SPV.0090	Special 05. Concrete Longitudinal Joint Repair	LF	4,082.000	4,082.000
0424	SPV.0165	Special 01. Concrete Sidewalk 5-Inch SHES	SF	6,306.000	6,306.000

3

			REMOVALS													
PROJECT	STAGE	STATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0105 REMOVING CONCRETE PAVEMENT BUTT JOINTS SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	*204.0195 REMOVING CONCRETE BASES EACH	638.2102 MOVING SIGNS TYPE II EACH	*690.0150 SAWING ASPHALT LF	*690.0250 SAWING CONCRETE LF	NOTES
7575-01-76	A	EDGEWOOD PLACE	357	-	-	-	-	-	-	-	-	-	-	-	-	
	A-1	161+80 EB - 167+93 EB	-	-	13028	-	-	-	-	-	-	-	-	-	27	BEGINNING OF PROJECT, EB
	A-2	164+71 WB - 167+84 WB	-	-	7352	-	-	-	-	-	-	-	-	-	28	BEGINNING OF PROJECT, WB
		SUBTOTAL STAGE A	357	0	20380	0	0	0	0	0	0	0	0	0	55	
	B-1	173+42 EB, RT	-	-	-	-	-	-	21	14	-	-	-	-	11	QUARRY RD-SOUTH RAMP
	B-1	173+90 EB, RT	-	-	-	-	-	-	56	45	-	-	-	-	15	QUARRY RD-NORTH RAMP
	B-1	183+72 EB, RT	-	-	-	8	-	-	46	48	-	-	-	4	18	BLUFF PASS-SOUTH RAMP
	B-1	184+36 EB, RT	-	-	-	5	-	-	38	22	-	-	-	5	11	BLUFF PASS- NORTH RAMP
	B-1	185+16 EB, RT	-	-	-	5	-	-	32	16	-	-	-	5	9	SOUTH RAMP
	B-1	185+56 EB, RT	-	-	-	3	-	-	29	9	-	-	-	4	11	NORTH RAMP
	B-2	218+00 EB, RT	-	-	-	11	-	-	41	13	-	-	-	10	5	VISTA CT S-SOUTH RAMP
	B-2	218+62 EB, RT	-	-	-	-	-	-	37	28	-	-	-	-	17	VISTA CT S-NORTH RAMP
	B-2	230+33 EB, RT	-	-	-	-	-	-	37	24	-	-	-	-	5	VISTA CT N-SOUTH RAMP
	B-2	230+95 EB, RT	-	-	-	20	-	-	42	15	-	-	-	11	5	VISTA CT N-NORTH RAMP
	B-3	255+79 EB, RT	-	-	-	29	-	-	45	-	-	-	-	11	5	SUNSET CT-SOUTH RAMP
	B-3	256+30 EB, RT	-	-	-	20	-	-	30	-	-	-	-	10	5	SUNSET CT-NORTH RAMP
	B-3	270+58 EB, RT	-	-	-	8	-	-	41	25	-	-	-	11	5	GILLETTE ST-SE RAMP
	B-3	271+50 EB, RT	-	-	-	7	-	-	33	22	-	-	-	7	5	GILLETTE ST-NE RAMP
	B-6	270+18 WB, LT	-	-	-	-	-	-	17	22	-	-	-	-	13	GILLETTE ST-SW RAMP
	B-6	270+50 WB, LT	-	-	-	-	-	-	127	91	-	-	-	-	127	GILLETTE ST-SW ISLAND
	B	167+93 EB	-	-	-	-	16	-	-	-	-	-	-	-	-	STH 16
	B	167+84 WB	-	-	-	-	16	-	-	-	-	-	-	-	-	STH 16
	B-1	173+91 EB, RT	-	-	676	-	-	-	-	-	-	-	-	21	-	QUARRY RD
	B-1	173+80 WB, LT	-	-	939	-	-	-	-	-	-	-	-	24	-	QUARRY RD
	B-1	184+30 EB, RT	-	-	2018	-	-	-	-	-	-	-	-	26	-	BLUFF PASS RD
	B-1	185+44 EB, RT	-	-	721	-	-	-	-	-	-	-	-	28	-	PRIVATE DRIVE
	B-2	218+42 EB, RT	-	-	679	-	22	-	-	-	-	-	-	32	-	VISTA CT SOUTH
	B-2	230+66 EB, RT	-	-	-	-	22	-	-	-	-	-	-	65	-	VISTA CT NORTH
	B-3	256+17 EB, RT	-	-	-	-	23	-	-	-	-	-	-	32	-	SUNSET CT
	B-3	271+15 EB, RT	-	-	-	-	31	-	-	-	-	-	-	48	-	SUNSET LN
	B-3	270+65 WB, LT	-	-	-	-	42	-	-	-	-	-	-	62	-	GILLETTE ST
	B	270+55 EB, RT	-	-	-	-	-	-	-	-	-	1	-	-	-	PED PUSH BUTTON RELOCATED
	B	271+56 EB, RT	-	-	-	-	-	-	-	-	-	1	-	-	-	OLD BASE AT CURB RAMP
	B-7	172+75 EB - 175+00 EB, LT	-	-	2269	-	-	-	-	-	-	-	-	-	-	WITHIN TWLTL AREA
	B-7	183+56 EB - 186+38 EB, LT	-	-	2835	-	-	-	-	-	-	-	-	-	-	WITHIN TWLTL AREA
	B-8	217+81 EB - 220+30 EB, LT	-	-	2063	-	-	-	-	-	-	-	-	-	-	WITHIN TWLTL AREA
	B-8	230+10 EB - 233+57 EB, LT	-	-	2855	-	-	-	-	-	-	-	-	-	-	WITHIN TWLTL AREA
	B	ALL STAGE B AREA	-	-	-	-	-	67182	2420	-	-	-	-	-	2692	OVERALL PROJECT AREA
		SUBTOTAL STAGE B	0	0	15055	116	172	67182	3092	394	0	2	0	416	2959	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

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			REMOVALS													
			204.0100 REMOVING CONCRETE PAVEMENT	204.0105 REMOVING CONCRETE PAVEMENT BUTT JOINTS	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH	204.0110 REMOVING ASPHALTIC SURFACE	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS	204.0120 REMOVING ASPHALTIC SURFACE MILLING	204.0150 REMOVING CURB & GUTTER	204.0155 REMOVING CONCRETE SIDEWALK	204.0165 REMOVING GUARDRAIL	*204.0195 REMOVING CONCRETE BASES	638.2602 REMOVING SIGNS TYPE II	*690.015 SAWING ASPHALT	*690.0250 SAWING CONCRETE	
PROJECT	STAGE	STATION	SY	SY	SF	SY	SY	SY	LF	SY	LF	EACH	EACH	LF	LF	NOTES
	C-1	271+42 WB, LT	-	-	-	-	-	-	89	46	-	-	-	-	89	GILLETTE ST-NW ISLAND
	C-1	271+70 WB, LT	-	-	-	-	-	-	13	-	-	-	-	-	5	CURB OPENING REMOVAL
	C-2	304+64 EB, RT	-	-	-	-	-	-	29	18	-	-	-	8	5	SUNSET LN-SOUTH RAMP
	C-2	305+25 EB, RT	-	-	-	-	-	-	21	23	-	-	-	8	5	SUNSET LN-NORTH RAMP
	C-2	310+85 EB, RT	-	-	-	-	-	-	39	62	-	-	-	7	12	CTH B-SOUTH RAMP
	C-2	311+75 EB, RT	-	-	-	-	-	-	44	19	-	-	-	8	5	CTH B-NORTH RAMP
	C-2	344+83 EB, RT	-	-	-	15	-	-	40	20	-	-	-	9	5	STH 157-SOUTH RMAP
	C-2	346+03 EB, RT	-	-	-	9	-	-	15	16	-	-	-	10	5	STH 157-NORTH RAMP
	C-2	305+33 EB, RT	-	-	-	-	25	-	-	-	-	-	-	40	-	SUNSET LN
	C-2	311+59 EB, RT	-	-	2019	-	-	-	-	-	-	-	-	-	62	CTH B
	C-1	311+19 WB, LT	-	-	-	-	31	-	-	-	-	-	-	45	-	CONOCO RD
	C-2	315+86 EB	-	-	-	-	-	-	-	-	-	-	-	32	-	EB BRIDGE
	C-1	315+29 WB	-	-	-	-	24	-	-	-	-	-	-	32	-	WB BRIDGE
	C-2	337+70 EB	-	-	-	-	17	-	-	-	-	-	-	25	-	STH 16
	C-1	337+17 WB	-	-	-	-	17	-	-	-	-	-	-	24	-	STH 16
	C-2	345+61 EB, RT	-	-	-	-	44	-	-	-	-	-	-	69	-	MALL ENTRANCE
	C	345+30 WB, LT	-	-	-	-	50	-	-	-	-	-	-	73	-	STH 157
	C-2	346+81 EB	-	-	-	-	16	-	-	-	-	-	-	24	-	STH 16
	C-1	346+77 WB	-	-	-	-	32	-	-	-	-	-	-	48	-	STH 16
	C-2	341+73 EB - 344+79 EB, LT	-	-	7095	-	-	-	-	-	-	-	-	-	-	LT TURN LANE
	C-1	275+91 EB, LT	-	-	-	-	-	-	388	-	-	-	-	-	399	TEMP CROSSOVER
	C-1	311+91 WB, RT	-	-	-	-	-	-	81	28	-	-	-	-	99	ISLAND NOSE
	C-1	326+45 EB, LT	-	-	-	-	-	-	425	-	-	-	5	-	435	TEMP CROSSOVER
	C-1	324+51 WB - 325+42 WB, RT	-	-	-	-	-	-	-	-	91	-	-	-	-	TEMP CROSSOVER
	C-1	315+29 WB & 324+11 WB	-	62	475	-	-	-	-	-	-	-	-	-	-	B-32-115 N & S APPROACHES
	C-2	324+36 EB	-	39	218	-	-	-	-	-	-	-	-	-	-	B-32-111 NORTH APPROACH
	C-1	304+30 WB, LT	-	-	-	-	-	-	-	-	60	-	-	-	-	REMOVE EX. TURNED DOWN END
	C	ALL STAGE C AREA	-	-	-	-	-	38415	5088	-	-	-	-	-	5333	OVERALL PROJECT AREA
		SUBTOTAL STAGE C	0	101	9807	24	256	38415	6272	232	151	0	5	462	6459	
		PROJECT TOTALS	357	101	45242	140	428	105597	9364	626	151	2	5	878	9473	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

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CROSSOVER AND MEDIAN REMOVALS

PROJECT	STAGE	LOCATION	205.0100 EXCAVATION COMMON CY	625.0100 TOPSOIL SY	*628.2008 EROSION MAT URBAN CLASS I TYPE B SY	*629.0210 FERTILIZER TYPE B CWT	*630.014 SEEDING MIXTURE NO. 40 LB	*630.0200 SEEDING TEMPORARY LB	*630.0500 SEED WATER MGAL	NOTES
7575-01-76	C-1	274+06 EB - 277+81 EB	554	-	-	-	-	-	-	TEMPORARY CROSSOVER -BUILD
		324+52 EB - 328+77 EB	783	-	-	-	-	-	-	TEMPORARY CROSSOVER -BUILD
		311+70 WB - 312+09 WB, RT	28	-	-	-	-	-	-	CTH B ISLAND NOSE -REMOVAL
	C-2	274+06 EB - 277+81 EB	108	746	746	0.5	14	21	17	TEMPORARY CROSSOVER -REMOVE
		324+52 EB - 328+77 EB	147	1173	1173	0.8	22	32	27	TEMPORARY CROSSOVER -REMOVE
		311+70 WB - 312+09 WB, RT	6	-	-	-	-	-	-	CTH B ISLAND NOSE -REPLACE
		PROJECT TOTALS	1626	1919	1919	1.3	36	53	44	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

BASE PATCHING CONCRETE

PROJECT	STAGE	STATION	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	390.0405 BASE PATCHING CONCRETE SHES CY	415.1090 CONCRETE PAVEMENT HES 9-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	*624.0100 WATER MGAL	*690.0250 SAWING CONCRETE LF	NOTES
7575-01-76	A	ALL STAGE A AREA	-	144	-	144	-	-	116	-	2398	
		EDGEWOOD PLACE	-	-	-	-	357	37	20	-	124	
		UNDISTRIBUTED	-	29	-	29	-	-	-	-	480	
		SUBTOTAL STAGE A	0	173	0	173	357	37	136	0	3002	
	B	ALL STAGE B AREA	-	1694	-	1694	-	-	2170	-	27008	
		173+68 EB, RT	-	-	-	-	-	-	39	-	-	QUARRY RD
		230+64 EB, RT	-	-	-	-	-	-	55	-	-	VISTA CT NORTH
		271+03 EB, RT	-	-	-	-	-	-	85	-	-	SUNSET LN
		270+94 WB, LT	-	-	-	-	-	-	190	-	-	GILLETTE ST
		C&G REPLACEMENT	-	-	-	-	-	1027	-	-	-	C&G REPLACEMENT
		STORM REPLACEMENTS	-	51	-	51	-	-	-	-	703	PATCHING STORM WORK
		UNDISTRIBUTED	-	349	-	349	-	206	508	-	5402	
		SUBTOTAL STAGE B	0	2094	0	2094	0	1233	3047	0	33113	
	C	AREA-GILLETTE TO STRUCTURES	-	723	723	-	-	-	1133	-	5708	
		AREA-STRUCTURES TO STH 157	-	105	-	105	-	-	-	-	4067	
		C&G REPLACEMENT	-	-	-	-	-	2091	-	-	-	C&G REPLACEMENT
		STORM REPLACEMENTS	-	3	-	3	-	-	-	-	37	PATCHING STORM WORK
		UNDISTRIBUTED	-	167	145	22	-	419	-	-	1955	
		SUBTOTAL STAGE C	0	998	868	130	0	2510	1133	0	11767	
		UNDISTRIBUTED QTY	350	0	0	0	0	756	864	6	0	FOR ALL PATCHING AREAS
		PROJECT TOTALS	350	3265	868	2397	357	4536	5180	6	47882	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

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HMA PAVEMENT

PROJECT	STAGE	STATION	LAYER THICKNESS IN	455.0605 TACK COAT GAL	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	*690.0150 SAWING ASPHALT	NOTES
7575-01-76	A	161+80 EB - 167+93 EB	1.75	159	222	-	-	ALL STAGE A AREA
		SUBTOTAL STAGE A		159	222	0	0	
	B	167+93 EB - 270+98 EB	1.75	4751	6651	-	-	ALL STAGE B AREA
		ALL STAGE B AREA	3.00	-	-	28	730	PATH PATCHES AT C&G
		SUBTOTAL STAGE B		4751	6651	28	730	
	C	270+98 EB - 315+86 EB	1.75	2073	2902	-	-	GILLETTE ST - BRIDGES
		337+35 EB - 346+52 EB	1.75	645	903	-	-	BRIDGES - STH 157
		SUBTOTAL STAGE C		2718	3805	0	0	
		PROJECT TOTALS		7628	10678	28	730	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

HMA PWL MIXTURE ACCEPTANCE

Location	Station	Mixture Use:	Underlying Surface	Bid Item	TONS	Thickness	Quality Management Program to be used for: Mixture Acceptance	Density Acceptance
(2) 12-FT DRIVING LANES	161+80 EB - 346+52 EB	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	4175	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
(2) 12-FT DRIVING LANES	164+70 WB - 346+84 WB	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	4098	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
10-FT TWLTL	166+15 EB - 267+69 EB	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	1097	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
DUAL LEFT TURN LANES	264+73 EB - 270+33 EB, LT	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	112	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
DUAL LEFT TURN LANES	341+73 EB - 344+79 EB, LT	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	166	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive
INTERSECTIONS/SIDE ROAD MATCH-INS	VARIES	UPPER LAYER	CONCRETE PAVEMENT	4 HT 58-25 H	1030	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Acceptance Testing by the Department; Not eligible for incentive or disincentive

TEMPORARY PAVEMENT

PROJECT	STAGE	STATION	LAYER THICKNESS IN	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	*624.0100 WATER MGAL	NOTES
7575-01-76	C	274+06 EB - 277+81 EB	4.00	380	128	6	TEMPORARY CROSSOVER
		324+52 EB - 328+77 EB	4.00	511	172	8	TEMPORARY CROSSOVER
		311+70 WB - 312+09 WB, RT	4.00	35	12	1	ISLAND NOSE REMOVAL
		SUBTOTAL STAGE C		926	312	15	
		PROJECT TOTALS		926	312	15	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

CONCRETE CURB AND GUTTER

PROJECT	STAGE	STATION	601.0417 CONCRETE CURB & GUTTER 30-INCH TYPE K LF	SPV.0090.01 CONCRETE GUTTER 24-INCH SHES LF	SPV.0090.02 CONCRETE CURB & GUTTER 30-INCH TYPE K SHES LF	NOTES
7575-01-76	B	173+42 EB, RT	-	-	21	QUARRY RD-SOUTH RAMP
		173+90 EB, RT	-	-	56	QUARRY RD-NORTH RAMP
		183+72 EB, RT	-	-	46	BLUFF PASS-SOUTH RAMP
		184+36 EB, RT	-	-	38	BLUFF PASS- NORTH RAMP
		185+16 EB, RT	-	-	32	SOUTH RAMP
		185+56 EB, RT	-	-	29	NORHT RAMP
		218+00 EB, RT	-	-	41	VISTA CT S-SOUTH RAMP
		218+62 EB, RT	-	-	37	VISTA CT S-NORTH RAMP
		230+33 EB, RT	-	-	37	VISTA CT N-SOUTH RAMP
		230+95 EB, RT	-	-	42	VISTA CT N-NORTH RAMP
		255+79 EB, RT	-	-	45	SUNSET CT-SOUTH RAMP
		256+30 EB, RT	-	-	30	SUNSET CT-NORTH RAMP
		270+58 EB, RT	-	-	41	GILLETTE ST-SE RAMP
		271+50 EB, RT	-	-	33	GILLETTE ST-NE RAMP
		270+18 WB, LT	-	-	17	GILLETTE ST-SW RAMP
		270+50 WB, LT	-	-	127	GILLETTE ST-SW ISLAND
		271+42 WB, LT	-	-	89	GILLETTE ST-NW ISLAND
		271+70 WB, LT	-	-	13	CURB OPENING REMOVAL
		VARIES	-	1286	1135	PATCHING AREAS-SOUTH OF GILLETTE ST
		VARIES	-	928	832	PATCHING-STORM WORK
	SUBTOTAL STAGE B		0	2214	2741	
	C	304+64 EB, RT	-	-	29	SUNSET LN-SOUTH RAMP
		305+25 EB, RT	-	-	21	SUNSET LN-NORTH RAMP
		310+85 EB, RT	-	-	39	CTH B-SOUTH RAMP
		311+75 EB, RT	-	-	44	CTH B-NORTH RAMP
		344+83 EB, RT	-	-	40	STH 157-SOUTH RMAP
		346+03 EB, RT	-	-	15	STH 157-NORTH RAMP
		275+91 EB, LT	-	-	388	TEMP CROSSOVER
		311+91 WB, RT	-	-	81	ISLAND NOSE
		326+45 EB, LT	-	-	425	TEMP CROSSOVER
		VARIES	4126	-	976	PATCHING AREAS-NORTH OF GILLETTE ST
		VARIES	144	-	-	PATCHING-STORM WORK
	SUBTOTAL STAGE C		4270	0	2058	
	PROJECTS TOTALS		4270	2214	4799	

CONCRETE SIDEWALK

PROJECT	STAGE	STATION	602.05015 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0090.03 CONCRETE CURB PEDESTRIAN SHES LF	SPV.0165.01 CONCRETE SIDEWALK 5-INCH SHES SF	NOTES
7575-01-76	B	173+42 EB, RT	-	20	-	-	117	QUARRY RD-SOUTH RAMP
		173+90 EB, RT	-	18	-	-	397	QUARRY RD-NORTH RAMP
		183+72 EB, RT	-	24	-	-	497	BLUFF PASS-SOUTH RAMP
		184+36 EB, RT	-	18	-	-	196	BLUFF PASS- NORTH RAMP
		185+16 EB, RT	16	-	-	-	169	PRIVATE DR
		185+56 EB, RT	17	-	-	-	110	PRIVATE DR
		218+00 EB, RT	-	33	-	23	193	VISTA CT S-SOUTH RAMP
		218+62 EB, RT	-	42	-	18	256	VISTA CT S-NORTH RAMP
		230+33 EB, RT	-	32	-	-	214	VISTA CT N-SOUTH RAMP
		230+95 EB, RT	-	30	-	21	293	VISTA CT N-NORTH RAMP
		255+79 EB, RT	-	31	-	-	264	SUNSET CT-SOUTH RAMP
		256+30 EB, RT	-	25	-	-	166	SUNSET CT-NORTH RAMP
		270+58 EB, RT	-	25	-	-	302	GILLETTE ST-SE RAMP
		271+50 EB, RT	20	-	-	-	203	GILLETTE ST-NE RAMP
		270+18 WB, LT	10	-	-	15	144	GILLETTE ST-SW RAMP
		270+50 WB, LT	30	-	-	61	819	GILLETTE ST-SW ISLAND
		271+42 WB, LT	20	-	-	41	412	GILLETTE ST-NW ISLAND
	SUBTOTAL STAGE B		113	298	0	179	4752	
	C	304+64 EB, RT	-	21	-	-	132	SUNSET LN-SOUTH RAMP
		305+25 EB, RT	14	-	-	-	202	SUNSET LN-NORTH RAMP
		310+85 EB, RT	-	19	-	-	356	CTH B-SOUTH RAMP
		311+75 EB, RT	14	-	-	-	131	CTH B-NORTH RAMP
		311+91 WB, RT	-	-	-	-	252	ISLAND NOSE
		344+83 EB, RT	-	18	-	-	287	STH 157-SOUTH RMAP
		346+03 EB, RT	-	19	1	9	194	STH 157-NORTH RAMP
	SUBTOTAL STAGE C		28	77	1	9	1554	
	PROJECT TOTALS		141	375	1	188	6306	

				STORM STRUCTURES												
				611.0430 RECONSTRUCTING INLETS	611.0606 INLET COVERS TYPE B	611.0624 INLET COVERS TYPE H	611.3004 INLETS 4-FT DIAMETER	611.3220 INLETS 2X2-FT	611.3230 INLETS 2X3-FT	SPV.0060.01 STORM SEWER MORTAR WORK	204.0245 REMOVING STORM SEWER 12-INCH	204.0245 REMOVING STORM SEWER 18-INCH	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	
PROJECT	STAGE	STATION	INLET #	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	NOTES
7575-01-76	A	167+86 EB, RT	1A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		SUBTOTAL STAGE A		1	0	0	0	0	0	1	0	0	0	0	0	
	B	168+00 WB, LT	1D	-	-	1	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2X3-FT INLET
		169+67 EB, RT	2A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		169+79 WB, LT	2D	-	-	1	-	-	1	-	4	-	1	4	-	REPLACE INLET
		169+82 EB, RT	3A	-	-	1	1	-	-	-	8	4	3	8	4	REPLACE INLET
		169+97 WB, LT	3D	-	-	1				-	4	-	-	4	-	REPLACE INLET, SIZE UNKNOWN
		172+25 EB, RT	4A	-	-	1	-	-	1	-	4	-	1	4	-	REPLACE INLET
		172+42 WB, LT	4D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		174+12 EB, RT	5A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		174+30 WB, LT	5D	1	-	-	-	-	-	-	-	-	-	-	-	
		176+05 EB, RT	6A	-	-	1	-	-	1	-	4	-	1	4	-	REPLACE INLET
		176+20 WB, LT	6D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		178+01 EB, RT	7A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		178+27 WB, LT	7D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		183+58 EB, LT	7H	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		183+75 WB, LT	7G	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		184+67 EB, LT	7F	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		184+82 WB, LT	7E	-	-	1	-	-	1	-	8	-	2	8	-	REPLACE INLET
		186+20 EB, RT	8A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		186+14 EB, RT	8B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		186+16 WB, LT	8D-1	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		186+22 WB, LT	8D-2	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		188+42 WB, LT	8E	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		188+95 EB, LT	8F	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		191+37 EB, RT	9A	-	-	1	-	-	1	-	4	-	-	4	-	REPLACE INLET
		191+35 EB, LT	9B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		191+25 WB, RT	9C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		191+54 EB, RT	10A	-	-	1	-	-	1	-	4	-	-	4	-	REPLACE INLET
		193+59 EB, RT	11A	-	-	1	-	-	1	-	4	-	-	4	-	REPLACE INLET
		193+57 EB, LT	11B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		193+52 WB, RT	11C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		195+50 EB, RT	12A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		195+47 EB, LT	12B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		195+48 WB, RT	12C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		199+40 EB, RT	13A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		199+37 EB, LT	13B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		199+45 WB, RT	13C	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		201+08 EB, LT	14A	1	-	-	-	-	-	1	-	-	-	-	-	
		201+09 EB, RT	14B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		201+18 WB, RT	14C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		202+90 EB, RT	15A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		202+88 EB, LT	15B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		203+01 WB, RT	15C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		204+58 EB, LT	16B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		206+40 EB, RT	17A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		206+36 EB, LT	17B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		206+56 WB, RT	17C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		207+60 EB, RT	18A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		207+57 EB, LT	18B	-	1	-	-	1	-	-	8	-	2	8	-	REPLACE INLET

TABLE CONTINUED

				STORM STRUCTURES												
				611.0430 RECONSTRUCTING INLETS	611.0606 INLET COVERS TYPE B	611.0624 INLET COVERS TYPE H	611.3004 INLETS 4-FT DIAMETER	611.3220 INLETS 2X2-FT	611.3230 INLETS 2X3-FT	SPV.0060.01 STORM SEWER MORTAR WORK	204.0245 REMOVING STORM SEWER 12-INCH	204.0245 REMOVING STORM SEWER 18-INCH	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	
PROJECT	STAGE	STATION	INLET #	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	NOTES
7575-01-76	B	207+77 WB, RT	18C	-	1	-	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2X2-INLET
		207+75 WB, LT	18D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		209+83 EB, RT	19A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		209+82 EB, LT	19B	-	1	-	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2X2-INLET
		209+99 WB, LT	19C	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		210+03 WB, RT	19D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		211+75 WB, LT	19E	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		211+78 WB, RT	19F	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		211+58 EB, LT	19G	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		213+08 EB, LT	19H	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		213+23 WB, LT	19I	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		213+24 WB, RT	19J	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		214+58 EB, LT	19K	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		214+66 WB, LT	19L	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		214+71 WB, RT	19M	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		216+12 EB, LT	19N	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		216+22 WB, LT	19O	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		216+09 WB, LT	19P-1	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		216+24 WB, RT	19P-2	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		217+38 EB, LT	19Q	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		217+46 WB, RT	19R	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		217+44 WB, LT	19S	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		218+68 EB, LT	19T	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		218+69 WB, LT	19U	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		220+35 EB, RT	20A	-	-	-				-	-	-	-	-	-	NO INSPECTION DATA
		220+33 EB, LT	20B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		220+36 WB, LT	20C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		220+37 WB, RT	20D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		222+36 EB, RT	21A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		222+33 EB, LT	21B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		222+37 WB, RT	21C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		222+34 WB, LT	21D	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		224+80 EB, RT	22A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		224+78 EB, LT	22B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		224+81 WB, RT	22C	-	1	-	-	1	-	-	4	-	-	4	-	REPLACE INLET
		224+78 WB, LT	22D	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		227+90 EB, RT	23A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		227+88 EB, LT	23B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		227+89 WB, LT	23C	1	-	-	-	-	-	-	-	-	-	-	-	
		227+89 WB, RT	23D	1	-	-	-	-	-	1	-	-	-	-	-	
		231+05 WB, LT	23E	-	-	1	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2X3-INLET
		231+08 EB, LT	23F	-	1	-	-	1	-	-	8	-	2	8	-	REPLACE INLET
		233+70 EB, RT	24A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		233+69 EB, LT	24B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		233+67 WB, RT	24C	-	1	-	-	1	-	-	8	-	2	8	-	REPLACE INLET
		233+65 WB, LT	24D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		236+60 EB, RT	25A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		236+58 EB, LT	25B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		236+57 WB, RT	25C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		236+54 WB, LT	25D	-	-	1	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2x3-INLET

TABLE CONTINUED

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				STORM STRUCTURES												
				611.0430 RECONSTRUCTING INLETS	611.0606 INLET COVERS TYPE B	611.0624 INLET COVERS TYPE H	611.3004 INLETS 4-FT DIAMETER	611.3220 INLETS 2X2-FT	611.3230 INLETS 2X3-FT	SPV.0060.01 STORM SEWER MORTAR WORK	204.0245 REMOVING STORM SEWER 12-INCH	204.0245 REMOVING STORM SEWER 18-INCH	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	
PROJECT	STAGE	STATION	INLET #	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LF	LF	EACH	LF	LF	NOTES
7575-01-76	B	242+61 EB, RT	26A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		242+58 EB, LT	26B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		242+56 WB, RT	26C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		242+52 WB, LT	26D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		245+85 EB, RT	27A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		245+83 EB, LT	27B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		245+82 WB, RT	27C	-	1	-	-	1	-	-	8	-	2	8	-	REPLACE INLET
		245+79 WB, LT	27D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		247+62 EB, RT	28A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		247+58 EB, LT	28B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		247+58 WB, RT	28C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		249+38 EB, RT	29A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		249+34 EB, LT	29B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		249+36 WB, RT	29C	-	1	-	-	-	-	-	-	-	-	-	-	REPLACE CASTING, 2X2-INLET
		251+11 EB, RT	30A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		251+08 EB, LT	30B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		251+13 WB, RT	30C	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		252+85 EB, RT	31A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		252+82 EB, LT	31B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		252+90 WB, RT	31C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		254+61 EB, RT	32A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		254+59 EB, LT	32B	-	1	-	-	1	-	-	8	-	2	8	-	REPLACE INLET
		254+67 WB, RT	32C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		257+57 EB, RT	33A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		257+57 EB, LT	33B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		257+69 WB, RT	33C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		257+66 WB, LT	33D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		259+08 EB, RT	34A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		260+57 EB, RT	35A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		260+57 EB, LT	35B	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		260+66 WB, RT	35C	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		260+66 WB, LT	35D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		262+08 EB, RT	36A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		263+57 EB, RT	37A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		263+58 EB, LT	37B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		263+67 WB, RT	37C	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		263+66 WB, LT	37D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		265+07 EB, RT	38A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		266+57 EB, RT	39A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		266+57 EB, LT	39B	-	1	-	-	1	-	-	4	-	1	4	-	REPLACE INLET
		266+67 WB, RT	39C	-	1	-	-	1	-	-	4	-	1	4	-	REPLACE INLET
		266+67 WB, LT	39D	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		268+07 EB, RT	40A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		268+08 EB, LT	40B	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		269+57 EB, RT	41A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		271+37 EB, RT	42A	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		270+16 EB, LT	42C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		270+23 WB, RT	42D	-	-	1	-	-	1	-	8	-	2	8	-	REPLACE INLET
		270+38 EB, LT	42E	-	-	1	-	-	1	-	4	-	1	4	-	REPLACE INLET
SUBTOTAL STAGE B				83	11	14	1	8	9	48	108	4	23	108	4	

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STORM STRUCTURES

PROJECT	STAGE	STATION	INLET #	611.0430 RECONSTRUCTING INLETS EACH	611.0606 INLET COVERS TYPE B EACH	611.0624 INLET COVERS TYPE H EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3230 INLETS 2X3-FT EACH	SPV.0060.01 STORM SEWER MORTAR WORK EACH	204.0245 REMOVING STORM SEWER 12-INCH LF	204.0245 REMOVING STORM SEWER 18-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	NOTES
7575-01-76	C	271+65 WB, RT	42F	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		273+57 EB, RT	43A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		273+58 EB, LT	43B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		273+66 WB, LT	43C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		273+67 WB, RT	43D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		276+08 EB, RT	44A	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		276+08 EB, LT	44B	1	-	-	-	-	-	1	-	-	-	-	-	REPLACE RINGS
		276+16 WB, LT	44C	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		276+17 WB, RT	44D	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		340+70 EB, RT	44F	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		342+69 EB, LT	45A	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		342+90 WB, RT	45B	-	-	1	-	-	1	-	-	4	1	-	4	REPLACE INLET
		346+00 EB, LT	45C	1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		343+77 WB, LT	45D	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
				1	-	-	-	-	-	-	-	-	-	-	-	REPLACE RINGS
		344+69 EB, RT	45H	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		345+35 EB, RT	45I	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		346+00 EB, RT	45J	-	-	-	-	-	-	-	-	-	-	-	-	NO INSPECTION DATA
		SUBTOTAL STAGE C		9	0	1	0	0	1	3	0	4	1	0	4	
		UNDISTRIBUTED QTYS		35	5	6	1	3	4	18	48	32	16	48	32	UNDISTRIBUTED REPAIR QTYS
		PROJECT TOTALS		128	16	21	2	11	14	70	156	40	40	156	40	

TEMPORARY STORM ITEMS

PROJECT	STAGE	STATION	OFFSET	611.8120.S COVER PLATES TEMPORARY EACH	611.9705 SALVAGED MANHOLE COVERS EACH	611.9710 SALVAGED INLET COVERS EACH	SPV.0060.02 INLET COVERS FLAT TEMPORARY EACH	NOTES
7575-01-76	C-1	326+82 EB	13.3' LT	-	-	1	1	INLET IN MEDIAN
		326+84 EB	19.3' LT	1	1	-	-	MANHOLE IN MEDIAN
		327+45 EB	13.3' LT	-	-	1	1	INLET IN MEDIAN
		328+34 EB	13.6' LT	-	-	1	1	INLET IN MEDIAN
		328+24 EB	21.0' LT	1	1	-	-	MANHOLE IN MEDIAN
		PROJECT TOTALS		2	2	3	3	

INLET PROTECTION

PROJECT	STAGE	LOCATION	628.7015 INLET PROTECTION TYPE C EACH	NOTES
7575-01-76	A&B	STAGE A AREA	165	ALL INLETS IN AREA
		SUBTOTAL STAGES A&B	165	
	C	STAGE C AREA	95	ALL INLETS IN AREA
		SUBTOTAL STAGES C	95	
		PROJECT TOTALS	260	

BEAMGUARD

PROJECT	STAGE	STATION	614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	NOTES
7676-01-76	C-1	303+58 WB - 304+37 WB, LT	1	-	-	-	REPLACE EXISTING TURNED DOWN END, CONNECT TO EXISTING CLASS A
	C-2	324+25 WB - 325+43 WB, RT	-	25	39.4	1	STRUCTURE B-32-111, NE PARAPET
		PROJECT TOTALS	1	25	39.4	1	

EROSION CONTROL

PROJECT	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
7575-01-76	PROJECT	5	2
	PROJECT TOTALS	5	2

TEMPORARY GUARDRAIL

PROJECT	STAGE	STATION	614.1100 MGS GUARDRAIL TEMPORARY THRIE BEAM TRANSITION LF	614.1200 MGS GUARDRAIL TEMPORARY TERMINAL EAT EACH	NOTES
7575-01-76	C-1	315+12 WB, RT	39.4	1	ATTACH TO STRUCTURE B-32-111
		PROJECT TOTALS	39.4	1	

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	MISCELLANEOUS QUANTITIES	SHEET 150	E

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LANDSCAPE ITEMS

PROJECT	STAGE	LOCATION	625.0500 SALVAGED TOPSOIL SY	*628.2008 EROSION MAT URBAN CLASS I TYPE B SY	*629.0210 FERTILIZER TYPE B CWT	*630.014 SEEDING MIXTURE NO. 40 LB	*630.0200 SEEDING TEMPORARY LB	*630.0500 SEED WATER MGAL	NOTES
7575-01-76	A&B	STAGE A&B AREA	989	989	0.7	18	27	23	
		UNDISTRIBUTED QTY	248	248	1	5	7	6	
		SUBTOTAL STAGES A&B	1237	1237	1.7	23	34	29	
	C	STAGE C AREA	2672	2672	1.7	49	73	60	
		UNDISTRIBUTED QTY	668	668	1	13	19	15	
		SUBTOTAL STAGES C	3340	3340	2.7	62	92	75	
		PROJECT TOTALS	4577	4577	4.4	85	126	104	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

TEMPORARY PEDESTRIAN ACCOMMODATIONS

PROJECT	STAGE	STATION	APPROX. SERVICE PERIOD DAYS	*643.0300 TRAFFIC CONTROL DRUMS QTY.	*643.0300 TRAFFIC CONTROL DRUMS DAYS	*643.0900 TRAFFIC CONTROL SIGNS QTY.	*643.0900 TRAFFIC CONTROL SIGNS DAYS	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP QTY.	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAYS	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	NOTES
7575-01-76	B-1	173+60 EB, RT	2	28	56	2	4	284	2	4	230	QUARRY RD
	B-1	184+00 EB, RT	2	28	56	2	4	372	2	4	230	BLUFF PASS
	B-1	185+25 EB, RT	2	28	56	2	4	188	2	4	230	PRIVATE DRIVE
	B-2	218+25 EB, RT	2	28	56	2	4	216	2	4	230	VISTA CT SOUTH
		230+60 EB, RT	2	28	56	2	4	248	2	4	230	VISTA CT NORTH
	B-3	256+00 EB, RT	2	28	56	2	4	208	2	4	230	SUNSET CT
		271+00 EB, RT	2	28	56	2	4	276	2	4	230	GILLETTE ST - NE/SE
		SUBTOTAL STAGE B			392		28	1792		28	1610	
	C-2	305+00 EB, RT	2	28	56	2	4	266	2	4	230	SUNSET LN
		310+57 EB, RT	-	0	0	0	0	255	0	0	-	CTH B- SOUTH RAMP
		311+25 EB, RT	2	28	56	2	4	350	2	4	230	CTH B
		345+50 EB, RT	2	28	56	2	4	300	2	4	230	STH 157 / MALL ENTRANCE
		SUBTOTAL STAGE C			168		12	1171		12	690	
		PROJECT TOTALS			560		40	2963		40	2300	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

TEMPORARY MARKINGS

PROJECT	STAGE	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH WHITE LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH YELLOW LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH WHITE LF	643.3550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	643.3650 TEMPORARY MARKING WORD REMOVABLE TAPE EACH	643.3960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	643.3970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF	NOTES
7575-01-76	A	LA CROSSE ST	-	-	165	185	-	-	-	571	-	
	A & B	EB LANES	2725	-	-	-	-	-	-	-	-	
	A & B	WB LANES	2650	-	-	-	-	-	-	-	-	
		SUBTOTAL STAGES A&B	5375		350		0	0	0	0	0	
	C-1	WB LANES	-	-	362	618	-	-	-	286	-	WB TAPER
	C-1	342+00 WB - 344+50 WB	-	-	-	-	-	-	-	-	422	MERGE LANES TAPER
	C-2	WB LANES	5098	5279	-	-	-	-	-	-	-	GILLETTE ST - STH 157
	C-2	342+00 WB - 344+50 WB	-	-	-	-	-	-	-	-	422	MERGE LANES TAPER
	C-2	276+00 EB	-	-	-	-	892	-	-	-	-	TEMP CROSSOVER
	C-2	326+00 EB	-	-	-	-	915	-	-	-	-	TEMP CROSSOVER
	C	CTH B	-	-	-	-	-	4	-	-	-	MASK OUT - EXIST
	C	CTH B	-	-	-	-	-	4	-	-	-	THRU & RIGHT- TEMP
	C	CTH B	-	-	-	-	-	-	2	-	-	ONLY
		SUBTOTAL STAGES C	10377		980		1807	8	2	286	844	
		PROJECT TOTALS	15752		1330		1807	8	2	286	844	

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			TRAFFIC CONTROL																					
	PROJECT: 7575-01-76	APPROX. SERVICE PERIOD	*643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0650 TRAFFIC CONTROL CHANNELIZING CURB SYSTEM	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		*643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		643.1050 TRAFFIC CONTROL SIGNS PCMS		643.1070 TRAFFIC CONTROL CONES 42-INCH		643.4100 TRAFFIC CONTROL INTERIM LANE CLOSURE	
STAGE	STATION	DAYS	QTY.	DAYS	QTY.	DAYS	LF	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	QTY.	DAYS	# CYCLES	EACH	QTY.	DAYS	QTY.	DAYS	EACH	NOTES
A	PROJECT AREA	7	0	0	0	0	-	0	0	0	0	0	0	0	0	-	0	2	14	0	0	-	PRE-WARN, 1-WEEK PRIOR
A	DETOUR	14	0	0		0	-	0	0	0	0	0	0	94	1316	-	0		0	0	0	-	DETOUR SIGNING
A-1	WB BEGIN - STA 175+00WB	7	66	462	8	56	-	16	112	37	259	4	28	22	154	-	0	2	14	52	364	4	EB LANES PATHCING
A-2	EB BEGIN - STA 175+00EB	7	95	665	5	35	-	10	70	36	252	2	14	22	154	-	0	2	14	48	336	3	WB LANES PATCHING
	SUBTOTAL STAGE A			1127		91	0		182		511		42		1624	0			42		700	7	
S-1	STH 16 & LA CROSSE ST INTER.	5	99	495	7	35	-	14	70	16	80	2	10	17	85	-	0	0	0	0	0	4	STH 16 & LA CROSSE ST - SIGNAL WORK
S-2	STH 16 & LA CROSSE ST INTER.	5	53	265	3	15	-	6	30	8	40	1	5	7	35	5	1	0	0	0	0	4	5 CYCLES FOR COVERING SIGNS
S-3	STH 16 & LA CROSSE ST INTER.	5	50	250	3	15	-	6	30	8	40	1	5	9	45	-	0	1	5	0	0	4	STH 16 & LA CROSSE ST - SIGNAL WORK
	SUBTOTAL STAGE S			1010		65	0		130		160		20		165	5			5		0	12	
B-1	EB BEGIN - STA 198+00 EB	5	43	215	24	120	-	34	170	17	85	1	5	19	95	-	0	0	0	0	0	4	
	WB BEGIN - STA 198+00 WB	5	52	260	0	0	-	0	0	21	105	1	5	6	30	-	0	0	0	54	270	4	
	LA CROSSE ST	5	15	75	1	5	-	2	10	0	0	0	0	3	15	-	0	0	0	0	0	4	
	SUBTOTAL STAGE B-1			550		125	0		180		190		10		140	0			0		270	12	
B-2	186+00 EB - 246+00 EB	8	27	216	22	176	-	30	240	21	168	1	8	19	152	-	0	0	0	0	0	7	
	186+00 WB - 246+00 WB	8	76	608	0	0	-	0	0	28	224	2	16	4	32	-	0	0	0	103	824	7	
	SUBTOTAL STAGE B-2			824		176	0		240		392		24		184	0			0		824	14	
B-3	228+00 EB - 273+00 EB	6	49	294	12	72	-	16	96	28	168	1	6	18	108	-	0	0	0	0	0	5	
	228+00 WB - 280+00 WB	6	58	348	3	18	-	6	36	17	102	1	6	11	66	-	0	0	0	79	474	5	
	GILLETTE ST	6	15	90	3	18	-	6	36	6	36	0	0	6	36	-	0	0	0	0	0	5	
	SUBTOTAL STAGE B-3			732		108	0		0		306		12		210	0			0		474	15	
B-4	EB BEGIN - STA 203+00 EB	5	81	405	0	0	-	0	0	28	140	1	5	7	35	-	0	0	0	66	330	4	
	WB BEGIN - STA 203+00 WB	5	48	240	9	45	-	12	60	21	105	1	5	14	70	-	0	0	0	0	0	4	
	LA CROSSE ST	5	15	75	1	5	-	2	10	0	0	0	0	3	15	-	0	0	0	0	0	4	
	SUBTOTAL STAGE B-4			720		50	0		70		245		10		120	0			0		330	12	
B-5	186+00 EB - 250+00 EB	8	26	208	0	0	-	0	0	13	104	1	8	11	88	-	0	0	0	110	880	7	
	186+00 WB - 250+00 WB	8	118	944	6	48	-	8	64	36	288	2	16	8	64	-	0	0	0	0	0	7	
	SUBTOTAL STAGE B-5			1152		48	0		64		392		24		152	0			0		880	14	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

TRAFFIC CONTROL

STAGE	PROJECT: 7575-01-76 STATION	APPROX. SERVICE PERIOD DAYS	*643.0300 TRAFFIC CONTROL DRUMS QTY.	 DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III QTY.	 DAYS	643.0650 TRAFFIC CONTROL CHANNELIZING CURB SYSTEM LF	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A QTY.	 DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C QTY.	 DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS QTY.	 DAYS	*643.0900 TRAFFIC CONTROL SIGNS QTY.	 DAYS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II # CYCLES	 EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS QTY.	 DAYS	643.1070 TRAFFIC CONTROL CONES 42-INCH QTY.	 DAYS	643.4100 TRAFFIC CONTROL INTERIM LANE CLOSURE EACH	NOTES
B-6	232+00 EB - 272+00 EB	6	17	102	0	0	-	0	0	10	60	1	6	11	66	-	0	1	6	74	444	5	
	232+00 WB - 282+00 WB	6	120	720	3	18	-	5	30	50	300	2	12	14	84	-	0	1	6	0	0	5	
	GILLETTE ST	6	13	78	1	6	-	2	12	0	0	0	0	4	24	-	0	0	0	0	0	5	
	SUBTOTAL STAGE B-6			900		24	0		42		360		18		174	0			12		444	15	
B-7	EB BEGIN - STA 194+00 EB	4	66	264	5	20	-	10	40	22	88	1	4	13	52	-	0	0	0	0	0	3	
	WB BEGIN - STA 194+00 WB	4	43	172	4	16	-	8	32	13	52	1	4	10	40	-	0	0	0	0	0	3	
	LA CROSSE ST	4	15	60	1	4	-	2	8	0	0	0	0	3	12	-	0	0	0	0	0	3	
	SUBTOTAL STAGE B-7			496		40	0		80		140		8		104	0			0		0	9	
B-8	184+00 EB - 266+00 EB	4	94	376	6	24	-	12	48	13	52	1	4	16	64	-	0	0	0	0	0	3	
	190+00 WB - 280+00 WB	4	108	432	9	36	-	18	72	18	72	1	4	16	64	-	0	0	0	0	0	3	
	SUBTOTAL STAGE B-8			808		60	0		120		124		8		128	0			0		0	6	
C-1	DETOUR	44	0	0	4	176	-	0	0	0	0	0	0	157	6908	-	0	3	132	0	0	-	DETOUR SIGNING
	STH 16/STH 157 INTERSECTION	44	0	0	0	0	-	0	0	0	0	0	0	0	0	1	9	0	0	0	0	-	DESTINATION SIGNS AT STH 16/STH 157 INTERSECTION
	271+00EB - 346+00EB	44	0	0	7	308	-	11	484	0	0	0	0	4	176	-	0	0	0	0	0	-	MAINLINE, EB TRAFFIC
	CTH B / CONOCO RD	44	18	792	9	396	-	14	616	0	0	0	0	17	748	1	5	0	0	0	0	-	CTH B / CONOCO RD
	12TH AVE	44	30	1320	5	220	-	10	440	0	0	0	0	20	880	1	7	0	0	0	0	-	12TH AVE & RAMPS
	326+00 WB - 352+00 WB	44	82	3608	8	352	263	14	616	25	1100	1	44	10	440	1	8	2	88	0	0	-	MAINLINE, WB TRAFFIC
C-1B	SOUTH CROSSOVER	2	82	164	6	12	-	12	24	34	68	1	2	11	22	-	0	0	0	0	0	1	FOR SOUTH CROSSOVER CONSTRUCTION
C-1B	NORTH CROSSOVER	2	41	82	1	2	-	2	4	22	44	1	2	3	6	-	0	0	0	0	0	1	FOR NORTH CROSSOVER CONSTRUCTION
C-1B	271+50 EB - 278+00 EB	4	82	328	6	24	-	12	48	34	136	1	4	11	44	-	0	0	0	0	0	3	CONSTRUCT STA 271+50 EB - 278+00 EB
	SUBTOTAL STAGE C-1			6294		1490	263		2232		1348		52		9224	29			220		0	5	
C-2	DETOUR	75	0	0	4	300	-	0	0	0	0	0	0	157	11775	0	0	3	225	0	0	-	DETOUR SIGNING
	GILLETTE ST - STH 157	75	79	5925	15	1125	-	24	1800	33	2475	0	0	26	1950	1	3	0	0	0	0	-	MAINLINE, EB TRAFFIC- DAY
	CTH B / CONOCO RD	75	18	1350	9	675	-	14	1050	0	0	0	0	25	1875	1	16	0	0	0	0	-	CTH B / CONOCO RD
	12TH AVE	75	32	2400	5	375	-	10	750	0	0	0	0	20	1500	1	7	0	0	0	0	-	12TH AVE & RAMPS
	12TH AVE - STH 157	75	63	4725	11	825	-	18	1350	24	1800	1	75	11	825	1	9	2	150	0	0	-	MAINLINE, WB TRAFFIC - DAY
C-2	CTH B - STH 157	8	148	1184	15	120	-	26	208	17	136	0	0	26	208	-	0	1	8	0	0	7	ADDITIONAL NIGHT WORK ITEMS, STA 332+00 EB - 346+00 EB WORK
	SUBTOTAL STAGE C-2			15584		3420	0		5158		4411		75		18133	35			383		0	7	
	PROJECT TOTALS		30197		5697		263	8498		8579		303		30358		69		662		3922		128	

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

PAVEMENT MARKINGS (1 OF 5)

STAGE	PROJECT: 7575-01-76 STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SOLID LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SOLID LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SOLID LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SKIPS (3') LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	NOTES
B	161+90 EB - 270+52 EB	-	-	-	-	-	-	-	-	-	9513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - EB (BEGIN - GILLETTE ST)
	161+90 EB - 270+52 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	2713	-	-	-	-	-	-	-	-	-	-	CENTERLINE - EB (BEGIN - GILLETTE ST)
	161+90 EB - 270+52 EB	-	-	-	-	-	-	-	-	-	-	-	4225	21682	-	-	-	-	-	-	-	-	-	-	-	TWLTL/CENTER ISLANDS (BEGIN - GILLETTE ST)
	164+70 WB - 270+50 WB	-	-	-	-	-	-	-	-	-	10474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - WB (BEGIN - GILLETTE ST)
	164+70 WB - 270+50 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	2638	-	-	-	-	-	-	-	-	-	-	CENTERLINE - WB (BEGIN - GILLETTE ST)
	161+50 EB, RT	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	32	-	130	-	-	EDGEWOOD PL PAVT REPLACEMENT AREA
	170+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	170+92 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	173+73 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	QUARRY RD
	173+67 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	74	-	-	QUARRY RD
	174+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	174+92 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	178+41 EB - 181+95 EB	-	-	175	703	175	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIDGE DECK AREA
	178+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	178+92 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	182+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	182+93 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	184+04 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	114	-	-	BLUFF PASS RD
	185+36 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	-	-	PRIVATE DRIVE
	186+75 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	187+00 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	190+80 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	191+05 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	194+77 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	195+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	198+74 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	198+98 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	202+70 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	202+95 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	206+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	206+92 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	210+67 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	210+92 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	214+70 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	214+95 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	218+31 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	106	-	-	VISTA CT SOUTH
	218+75 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE ARROW
	219+27 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE ARROW
	218+50 EB - 219+50 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	-	-	-	-	TURN LANE
	219+50 EB - 220+64 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	214	-	-	-	-	-	-	-	-	-	-	
	222+75 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	223+00 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	226+76 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	227+00 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	230+63 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	110	-	-	VISTA CT NORTH
	231+06 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE ARROW
	231+78 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE ARROW

TABLE CONTINUED

PAVEMENT MARKINGS (2 OF 5)

STAGE	PROJECT: 7575-01-76 STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SOLID LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SOLID LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SOLID LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SKIPS (3') LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	NOTES
B	230+82 EB - 232+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	-	-	-	-	-	-	-	-	TURN LANE
	232+02 EB - 233+94 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	372	-	-	-	-	-	-	-	-	-	-	
	234+77 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	235+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	238+77 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	239+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	242+77 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	234+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	246+77 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	247+02 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	250+74 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	250+99 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	254+72 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	254+97 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	254+56 EB - 255+61 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105	-	-	-	-	-	-	-	-	TURN LANE
	256+07 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	82	-	-	SUNSET CT
	258+72 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	258+97 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	262+72 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	262+97 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	266+72 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	266+97 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	267+20 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	LT TURN LANE
	266+97 EB - 268+09 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	221	-	-	-	-	-	-	-	-	TAPER
	266+96 EB - 270+17 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	88	-	-	-	-	-	-	-	-	-	LT TURN LANES
	269+53 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	LT TURN LANES
	269+93 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	LT TURN LANES
	268+57 EB - 270+44 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	288	-	-	-	-	-	-	-	-	RT TURN LANE
	268+80 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	269+80 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	270+20 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	268+06 EB - 270+42 EB, LT	-	-	-	-	-	-	-	-	-	445	-	-	-	-	-	-	-	-	-	-	-	-	-	ISLAND EDGELINES
	267+81 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	
	270+26 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	
	270+43 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	270+17 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	LT TURN LANE
	270+44 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	STH 16
	270+51 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	202	-	-	STH 16 CROSSING
	271+00 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143	-	-	SUNSET LN CROSSING
	270+49 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	2	GILLETTE ST TURN LN ISLAND
	271+00 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	129	-	-	GILLETTE ST CROSSING
	271+48 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	190	-	-	STH 16 CROSSING
	271+22 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	SUNSET LN
	271+04 EB, RT	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	SUNSET LN
	271+20 EB, RT	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SUNSET LN
	270+07 WB - 270+50 WB, LT	-	-	-	-	-	-	-	-	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	TAPER

TABLE CONTINUED

PAVEMENT MARKINGS (3 OF 5)

STAGE	PROJECT: 7575-01-76 STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SOLID LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SOLID LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SOLID LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SKIPS (3') LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	NOTES
B	270+27 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	40	-	-	GILLETTE ST/TURN LANE CROSSING
	GILLETTE ST	345	50	-	-	-	-	392	-	-	-	-	-	-	-	-	-	6	2	23	-	-	-	-	GILLETTE ST
	270+94 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-	
	STH 16/GILLETTE INTERSECTION	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	271+35 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	2	ISLAND
	SUBTOTAL STAGE B	452		1753				421	0			52496				834		58	5	269	0	1388	164	6	
C	271+51 EB - 310+65 EB	-	-	-	-	-	-	-	-	-	3809	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - EB (GILLETTE ST - CTH B)
	271+57 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	271+51 EB - 310+65 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	975	-	-	-	-	-	-	-	-	-	CENTERLINE - EB (GILLETTE ST - CTH B)
	271+51 EB - 310+65 EB	-	-	-	-	-	-	-	-	-	-	-	-	7595	-	-	-	-	-	-	-	-	-	-	CENTER ISLANDS (GILLETTE ST - CTH B)
	271+55 WB - 310+79 WB	-	-	-	-	-	-	-	-	-	3904	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - WB (GILLETTE ST - CTH B)
	271+55 WB - 310+79 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	988	-	-	-	-	-	-	-	-	-	CENTERLINE - WB (GILLETTE ST - CTH B)
	311+74 EB - 344+77 EB	-	-	-	-	-	-	-	-	-	2133	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - EB (CTH B - STH 157)
	311+74 EB - 344+77 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	562	-	-	-	-	-	-	-	-	-	CENTERLINE - EB (CTH B - STH 157)
	311+74 EB - 344+77 EB	-	-	-	-	-	-	-	-	-	-	-	-	4488	-	-	-	-	-	-	-	-	-	-	CENTER ISLANDS (CTH B - STH 157)
	311+79 WB - 344+72 WB	-	-	-	-	-	-	-	-	-	2006	-	-	-	-	-	-	-	-	-	-	-	-	-	EDGELINES - WB (CTH B - STH 157)
	311+79 WB - 344+72 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	562	-	-	-	-	-	-	-	-	-	CENTERLINE - WB (CTH B - STH 157)
	346+00 EB - 346+63	-	-	-	-	-	-	-	-	-	16	-	-	8	25	-	-	-	-	-	-	-	-	-	CENTERLINE & EDGELINES
	345+95 WB - 346+83 WB	-	-	-	-	-	-	-	-	-	357	-	-	52	25	-	-	-	-	-	-	-	-	-	CENTERLINE & EDGELINES
	271+56 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	-	-	STH 16 & LT TURN LANE
	271+56 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	272+58 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	
	271+58 WB - 272+54 WB, RT	-	-	-	-	-	-	-	-	-	188	-	-	-	-	-	-	-	-	-	-	-	-	-	ISLAND EDGELINES
	272+54 WB - 273+38 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	171	-	-	-	-	-	-	-	-	TAPER
	271+71 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	RT TURN LANE
	271+94 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	272+34 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	273+60 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	271+53 WB - 275+53 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	430	-	-	-	-	-	-	-	-	TAPER/TURN LANE
	303+71 EB - 304+48 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	-	-	-	-	-	-	-	-	RT TURN LANE
	303+75 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	304+24 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	305+00 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	101	-	-	SUNSET LN
	304+24 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	-	MEDIAN ISLAND
	305+34 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	MEDIAN ISLAND
	305+72 WB - 307+36 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	164	-	-	-	-	-	-	-	-	LT TURN LANE
	305+94 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE
	307+12 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	LT TURN LANE
	308+50 EB - 309+41 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	183	-	-	-	-	-	-	-	-	TAPER
	309+41 EB - 310+65 EB, LT	-	-	-	-	-	-	-	-	-	223	-	-	-	-	-	-	-	-	-	-	-	-	-	ISLAND EDGELINES
	309+37 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	1	
	310+41 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	LT TURN LANE
	309+12 EB - 310+65 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	-	-	-	-	-	-	-	-	RT TURN LANE

TABLE CONTINUED

PAVEMENT MARKINGS (4 OF 5)

STAGE	PROJECT: 7575-01-76 STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SOLID LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SOLID LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SOLID LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SKIPS (3') LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	NOTES
C	309+36 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	310+71 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	310+65 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	
	310+70 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	2	
	CTH B	28	-	-	-	-	-	21	-	38	-	-	-	-	-	-	-	-	-	39	-	160	15	1	CTH B
	CONOCO RD	33	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	CONOCO RD
	310+82 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	1	
	311+74 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
	311+79 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-	-	-	-	
	311+98 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	LT TURN LANE
	312+00 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	1	
	313+31 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	1	
	311+79 WB - 313+31 WB, RT	-	-	-	-	-	-	-	-	-	283	-	-	-	-	-	-	-	-	-	-	-	-	-	ISLAND EDGELINES
	313+31 WB - 314+00 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	140	-	-	-	-	-	-	-	-	TAPER
	311+80 WB - 313+17 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	138	-	-	-	-	-	-	-	-	RT TURN LANE
	312+04 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	312+94 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	315+85 EB - 324+37, EB	-	-	213	852	-	852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIDGE DECK AREA
	315+29 - 324+12, WB	-	-	213	883	-	883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIDGE DECK AREA
	326+64 EB - 327+97 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	-	-	-	-	-	-	-	-	RT TURN LANE
	326+16 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	326+55 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	327+75 EB, RT	-	-	-	-	-	-	-	161	-	-	-	-	-	-	-	-	-	-	23	-	-	37	2	ISLAND MARKINGS
	326+50 WB, LT	-	-	-	-	-	-	-	150	-	-	-	-	-	-	-	-	-	-	26	-	-	34	2	ISLAND MARKINGS
	326+20 WB - 331+72 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	381	-	-	-	-	-	-	-	-	RT TURN LANE
	327+64 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	328+04 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	330+86 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	331+25 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	331+71 WB - 342+68 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	276	-	-	-	-	-	-	-	RT TURN LANE
	339+38 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	339+92 EB - 341+82 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	-	-	-	-	-	-	-	-	TAPER
	341+82 EB - 344+77 EB, LT	-	-	-	-	-	-	-	-	-	562	-	-	-	-	-	-	-	-	-	-	-	-	-	ISLAND EDGELINES
	329+65 - 331+34, EB	-	-	50	165	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIDGE DECK AREA
	329+65 - 331+36, WB	-	-	50	165	-	165	-	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	BRIDGE DECK AREA
	340+15 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	LT TURN LANE
	343+79 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	LT TURN LANE
	344+22 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	LT TURN LANE
	339+91 EB - 344+46 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	113	-	-	-	-	-	-	-	15	1	LT TURN LANE
	344+46 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	LT TURN LANE
	342+67 EB - 344+77 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210	-	-	-	-	-	-	-	-	RT TURN LANE
	342+90 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE
	344+14 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	RT TURN LANE
	344+52 EB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	RT TURN LANE

TABLE CONTINUED

PAVEMENT MARKINGS (5 OF 5)

STAGE	STATION	646.1020 MARKING LINE EPOXY 4-INCH YELLOW SOLID LF	646.1020 MARKING LINE EPOXY 4-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH WHITE SOLID LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2020 MARKING LINE EPOXY 6-INCH YELLOW SOLID LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE SOLID LF	646.4020 MARKING LINE EPOXY 10-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (2') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SKIPS (12.5') LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW SOLID LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE SKIPS (12.5') LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SOLID LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE SKIPS (3') LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	NOTES
C	344+77 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41	-	-	-	-	
	344+80 EB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	-	
	STH 16 & STH 157 INTERSECTION	-	-	-	-	-	-	-	-	70	-	30	-	-	-	-	-	-	-	-	-	-	-	-	
	MALL ENTRANCE	34	13	-	-	-	-	97	-	-	-	-	-	-	-	-	-	3	-	54	24	224	10	1	
	342+68 WB - 344+78 WB, LT	-	-	-	-	-	-	-	-		78	-	-	-	-	503	-	-	-	-	-	-	34	1	TAPER/ISLAND
	STH 157	-	-	-	-	-	-	-	-	-	-	-	-	-	25	211	-	3	3	38	-	-	-	-	
	345+30 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	MEDIAN ISLAND
	345+80 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	TURN LANE ISLAND
	345+95 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	TURN LANE ISLAND
	345+95 WB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	
	345+87 WB - 346+83 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149	-	-	-		-	-	-	-	TAPER
	345+92 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	
	346+16 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	346+56 WB, LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
	346+30 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	
	346+54 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
	346+25 WB, RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	1	
	SUBTOTAL STAGE C	108		4656				133	476			29115				3791		28	11	506	24	485	644	20	
	PROJECT TOTALS	560		6409				554	476			81611				4625		86	16	775	24	1873	808	26	

TEMPORARY TRAFFIC SIGNALS

PROJECT	LOCATION	661.0201.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTION (LA CROSSE ST) EACH	661.0300 GENERATORS DAY	677.0200 INSTALL CAMERA ASSEMBLY EACH
7575-01-76	LA CROSSE ST INTERSECTION	1	2	1
	PROJECT TOTALS	1	2	1

CONSTRUCTION STAKING

PROJECT	STATION	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9000 CONSTRUCTION STAKING CURB RAMP EACH	NOTES
7676-01-76	PROJECT AREA	-	23	
	PROJECT AREA	16322	-	EB
	PROJECT AREA	16027	-	WB
	PROJECT TOTALS	32349	23	

CONCRETE JOINT MISC

PROJECT	STAGE	LOCATION	SPV.0090.04 CONCRETE JOINT AND CRACK CLEANING LF	SPV.0090.05 CONCRETE LONGITUDINAL JOINT REPAIR LF
7575-01-76	A&B	VARIES	30571	2730
	SUBTOTAL STAGES A&B		30571	2730
	C	VAIRES	7567	1352
	SUBTOTAL STAGES C		7567	1352
	PROJECT TOTALS		38138	4082

3

3

Pull Boxes

Category	Station	Dir	Location	*204.0195 Removing Concrete Bases EACH	SPV.0060.03 Remove and Reinstall Traffic Signal Standard EACH	654.0101 Concrete Bases Type 1 EACH	653.0905 Removing Pull Box EACH	653.0164 Pull Boxes Non-Conductive 24x42-Inch EACH	661.0201.02 Temporary Traffic Signals for Intersections (STH 16 & Conoco Rd/CTH B) EACH	Description
0010	311 + 49	LEFT	39				1	1		PB1
0010	311 + 43	LEFT	36	1	1	1				SB1
0010	311 + 5	RIGHT	112						1	ESC1
			Total	**1**	**1**	**1**	**1**	**1**	**1**	

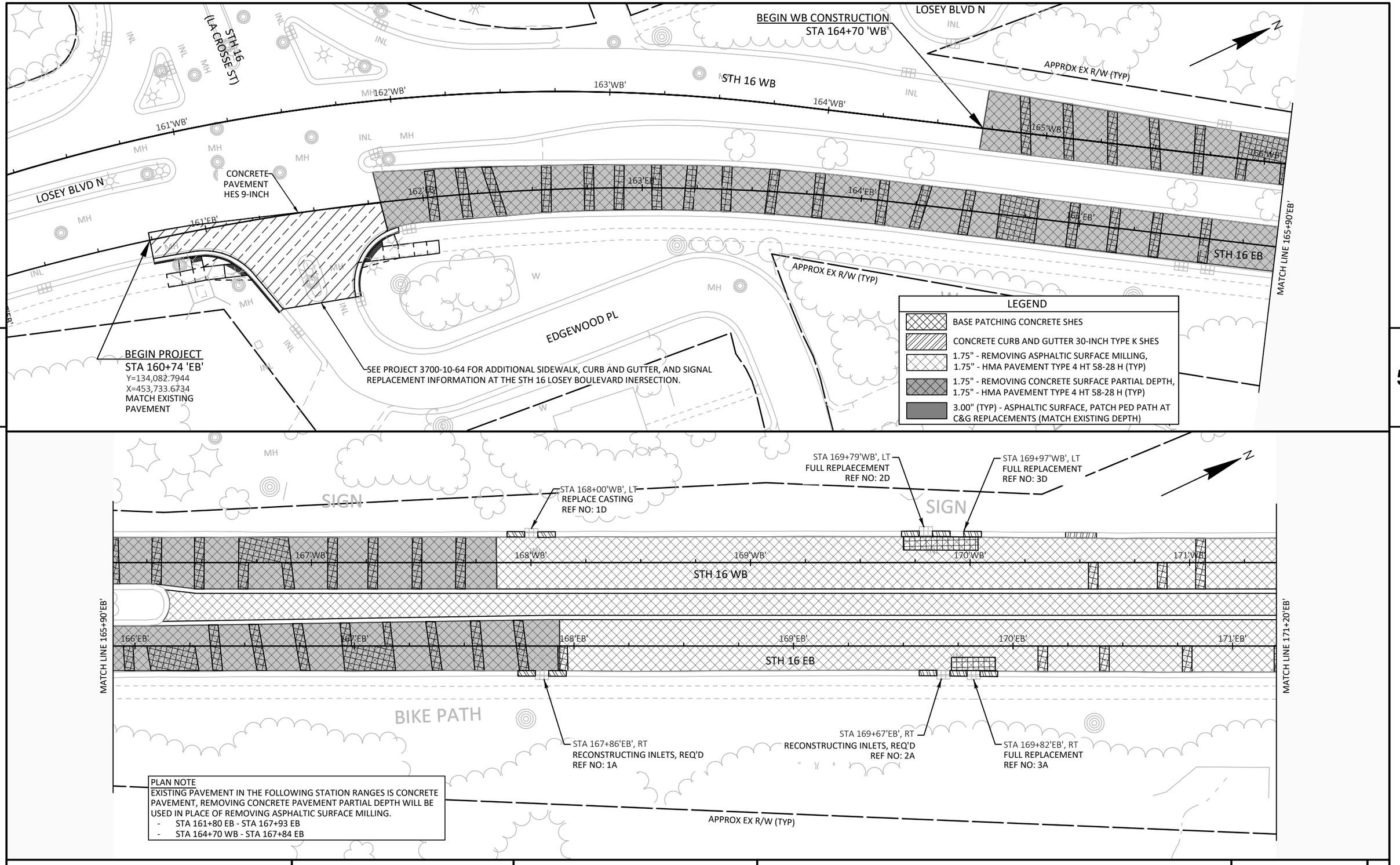
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

Electrical Conduit

Category	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch LF	652.0615 Conduit Special 3-Inch LF	Description
0010		70	EPB5 to PB1
0010		114	PB1 to EPB6
0010	8		PB1 to SB1
Total	**8**	**184**	

Signal Wire

Category	655.0230 Cable Traffic Signal 5-14 AWG LF	655.0515 Electrical Wire Traffic Signals 10 AWG LF	Description
0010	19		SB1 - Up Pole
0010	365		ESC1 to SB1
0010	443		ESC1 to ESB1
0010	449		ESC1 to ESB2
0010		96	ESB3 to SB1 Grounding Conductor
0010		126	SB1 to ESB1 Grounding Conductor
0010		61	ESB1 to ESB2 Grounding Conductor
Total	**1276**	**283**	



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 160 E

5

5

STA 172+42'WB', LT
REF NO: 4D

STA 173+81 WB
38.7' LT

QUARRY RD

STA 174+30'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 5D

STA 176+20'WB', LT
REF NO: 6D

MH

172'WB' 173'WB' 174'WB' 175'WB' 176'WB'

STH 16 WB

MATCH LINE 171+20'EB'

172'EB' 173'EB' 174'EB' 175'EB' 176'EB'

STH 16 EB

MATCH LINE 176+50'EB'

5'

STA 172+25'EB', RT
FULL REPLACEMENT
REF NO: 4A

SIGN

BIKE PATH

XCEL ENERGY - GAS

STA 176+05'EB', RT
FULL REPLACEMENT
REF NO: 6A

ASPHALTIC SURFACE

CITY OF LA CROSSE - WATER

STA 174+12'EB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 5A

STA 173+73 EB
47.4' RT

QUARRY RD

CURB RAMP/S REQ'D, SEE CONSTRUCTION DETAILS

NORTHERN NATURAL GAS - GAS

APPROX EX R/W (TYP)

LEGEND

- BASE PATCHING CONCRETE SHES
- CONCRETE CURB AND GUTTER 30-INCH TYPE K SHES
- 1.75" - REMOVING ASPHALTIC SURFACE MILLING, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)
- 1.75" - REMOVING CONCRETE SURFACE PARTIAL DEPTH, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)
- 3.00" (TYP) - ASPHALTIC SURFACE, PATCH PED PATH AT C&G REPLACEMENTS (MATCH EXISTING DEPTH)

SIGN

STA 178+27'WB', LT
REF NO: 7D

177'WB' 178'WB' 179'WB' 180'WB' 181'WB' 182

STH 16 WB

MATCH LINE 176+50'EB'

177'EB' 178'EB' 179'EB' 180'EB' 181'EB'

STH 16 EB

MATCH LINE 181+80'EB'

2'

2'

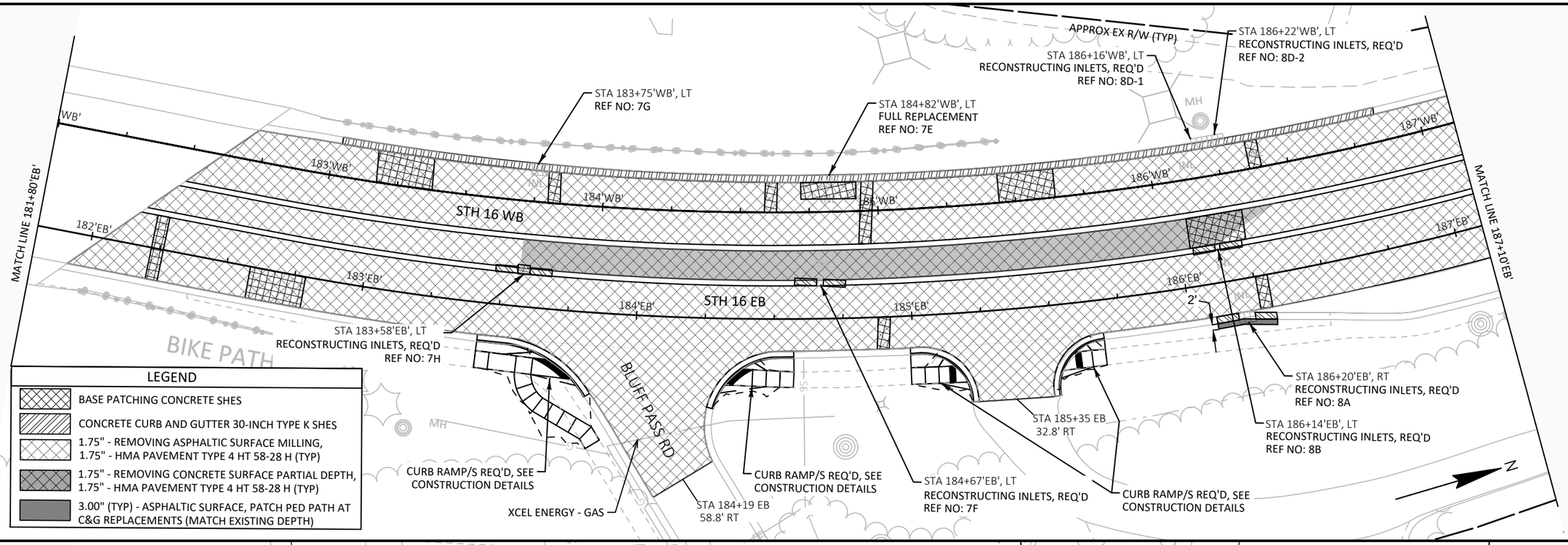
B-32-0098

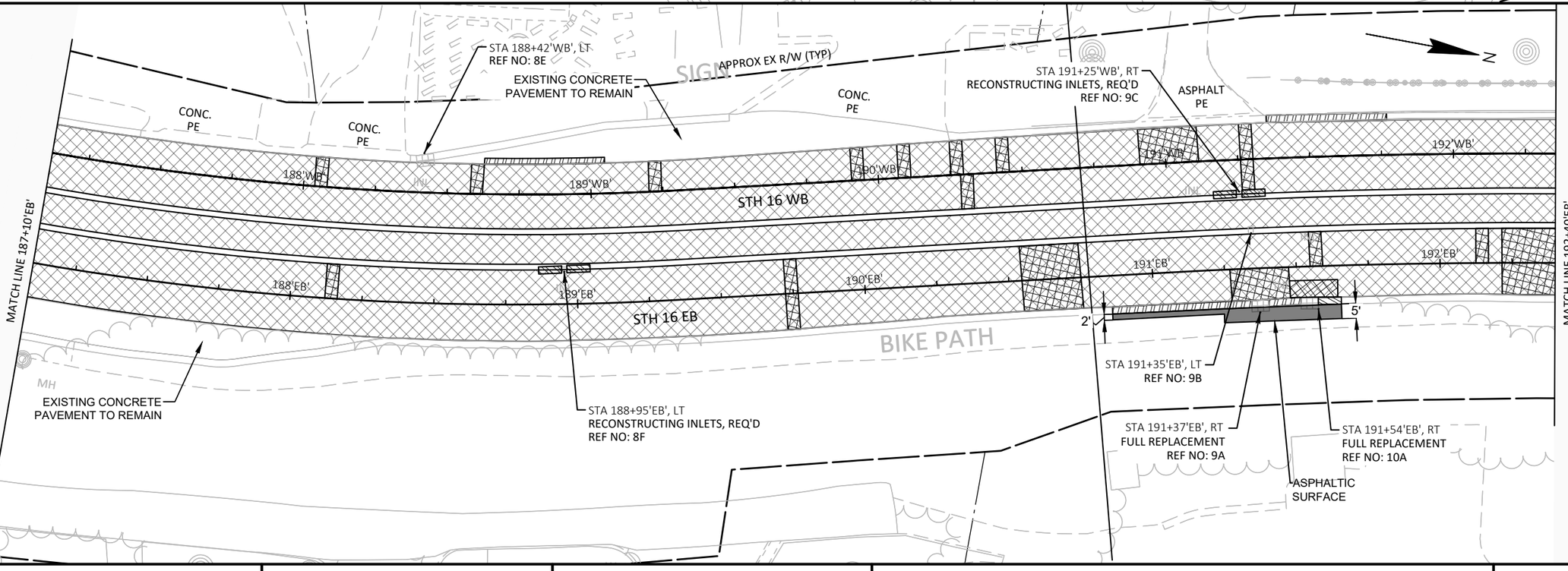
STA 178+01'EB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 7A

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 161 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 02

PLOT DATE : 7/17/2024 4:57 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########



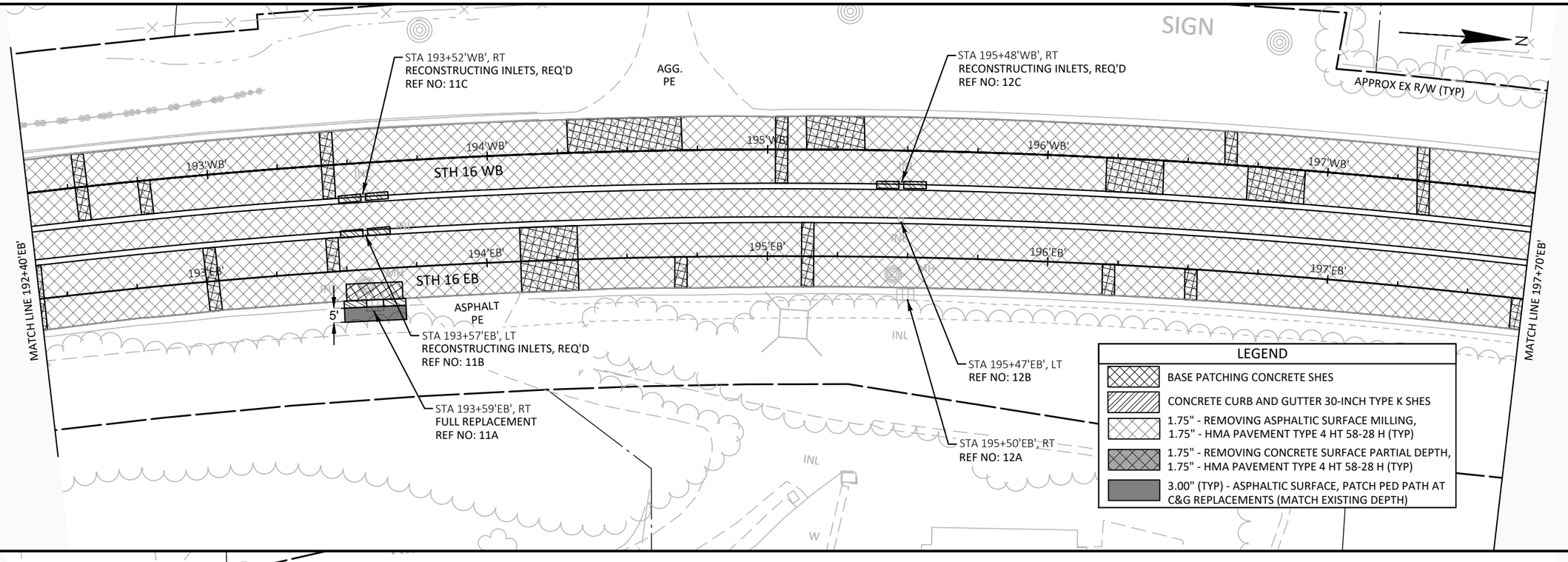


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 162 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 03

PLOT DATE : 7/17/2024 4:59 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########

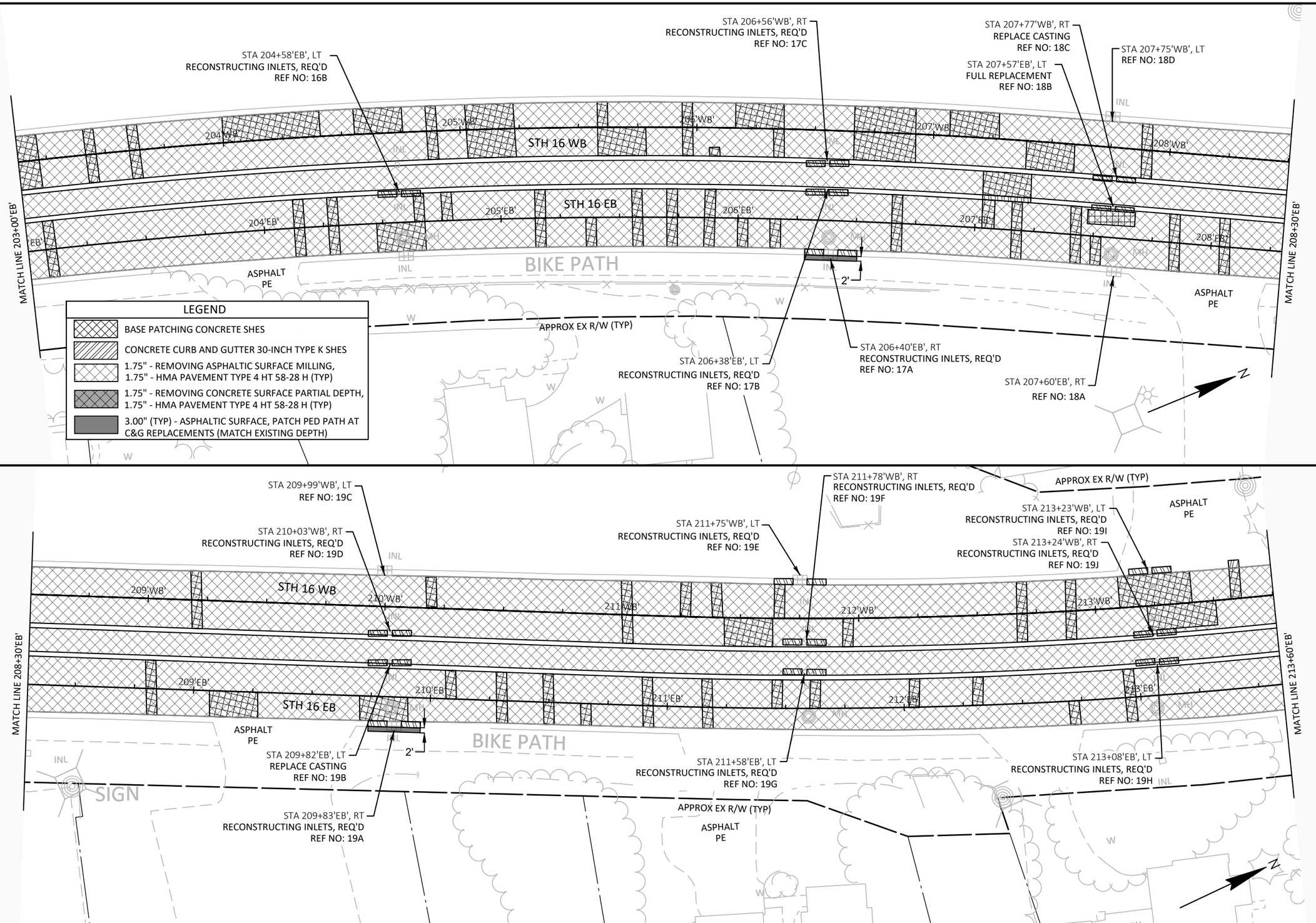
WISDOT/CADDS SHEET 44



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 163 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 04

PLOT DATE : 7/17/2024 5:01 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 164 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 05
PLOT DATE : 7/17/2024 5:03 PM
PLOT BY : CLARISSA ERBS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

5

5

APPROX EX R/W (TYP)

STA 214+66'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19L

STA 214+71'WB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19M

STA 216+09'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19P-1

STA 216+22'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19O

STA 216+24'WB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19P-2

STA 217+44'WB', LT
REF NO: 19S

STA 217+46'WB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19R

STA 218+68'EB', LT
REF NO: 19T

STA 218+69'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19U

ASPHALT PE

214'WB' 215'WB' 216'WB' 217'WB' 218'WB'

STH 16 WB

214'EB' 215'EB' 216'EB' 217'EB' 218'EB'

STH 16 EB

INL MH

MATCH LINE 213+60'EB'

MATCH LINE 218+90'EB'

WISDOT STORM SEWER (TYP)

ASPHALT PE

STA 214+58'EB', LT
REF NO: 19K

XCEL ENERGY - ELEC

XCEL ENERGY - GAS

SUGAR PINE LANE

VISTA COURT S

SIGN

CAUTION

STA 216+12'EB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19N

STA 217+38'EB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 19Q

CURB RAMP/S REQ'D, SEE CONSTRUCTION DETAILS

STA 218+36 EB
38.4' RT

SEPTIC

W

N

LEGEND

- BASE PATCHING CONCRETE SHES
- CONCRETE CURB AND GUTTER 30-INCH TYPE K SHES
- 1.75" - REMOVING ASPHALTIC SURFACE MILLING, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)
- 1.75" - REMOVING CONCRETE SURFACE PARTIAL DEPTH, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)
- 3.00" (TYP) - ASPHALTIC SURFACE, PATCH PED PATH AT C&G REPLACEMENTS (MATCH EXISTING DEPTH)

APPROX EX R/W (TYP)

EXISTING CONCRETE PAVEMENT TO REMAIN

STA 220+36'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 20C

STA 220+37'WB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 20D

STA 222+37'WB', RT
RECONSTRUCTING INLETS, REQ'D
REF NO: 21C

STA 222+34'WB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 21D

219'WB' 220'WB' 221'WB' 222'WB' 223'WB' 224'WB'

STH 16 WB

219'EB' 220'EB' 221'EB' 222'EB' 223'EB' 224'EB'

STH 16 EB

INL MH

MATCH LINE 218+90'EB'

MATCH LINE 224+20'EB'

BIKE PATH

EXISTING CONCRETE PAVEMENT TO REMAIN

STA 220+33'EB', LT
RECONSTRUCTING INLETS, REQ'D
REF NO: 20B

STA 220+35'EB', RT
REF NO: 20A

STA 222+33'EB', LT
REF NO: 21B

STA 222+36'EB', RT
REF NO: 21A

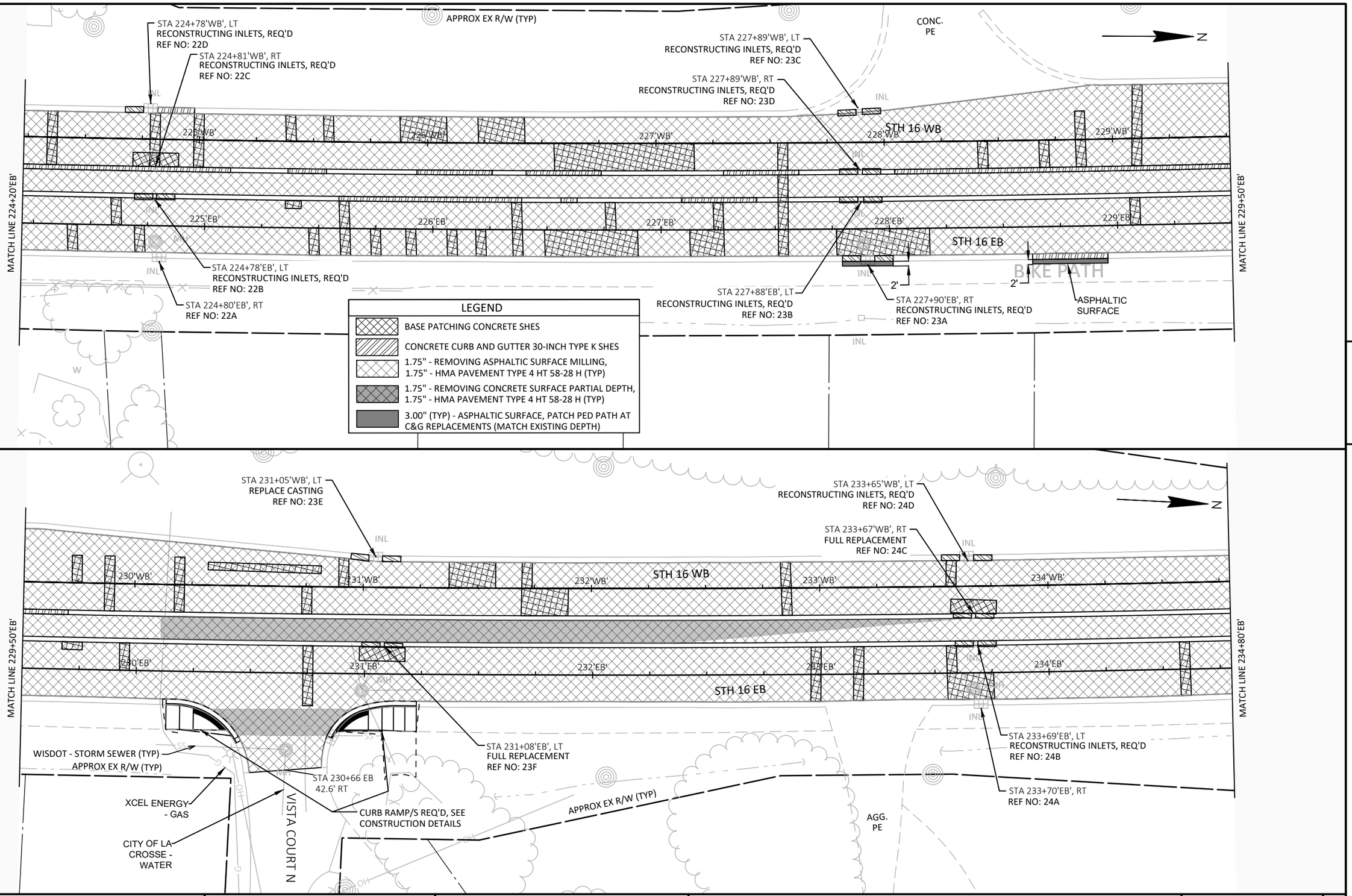
APPROX EX R/W (TYP)

SEPTIC

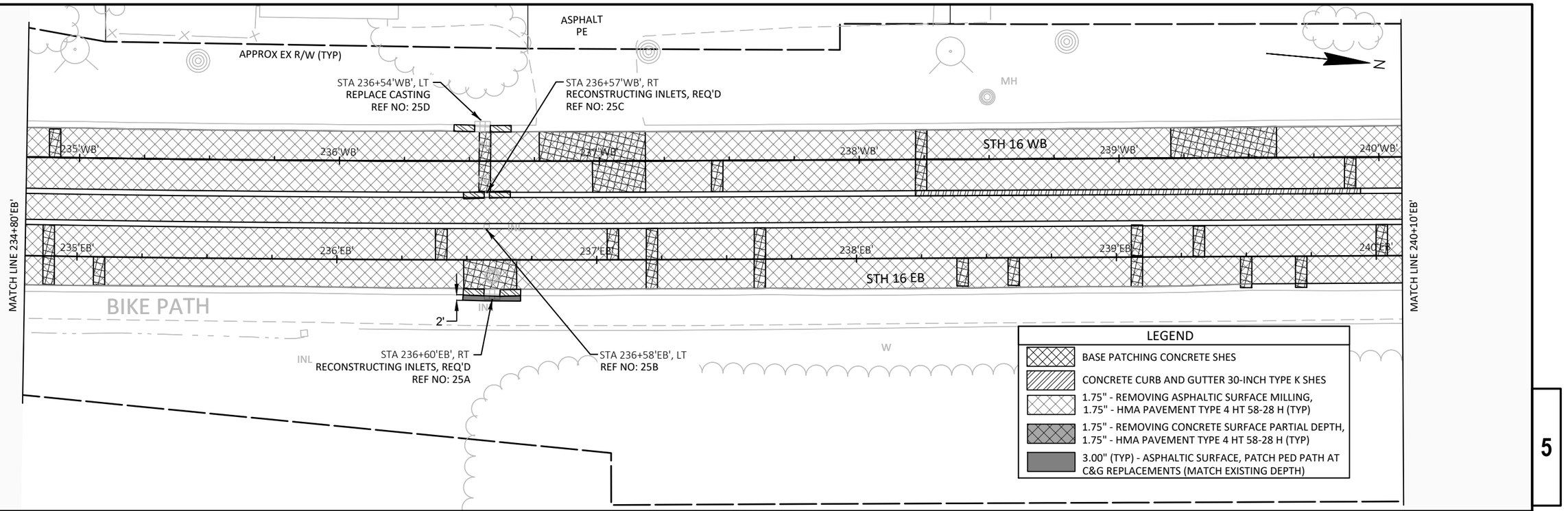
W

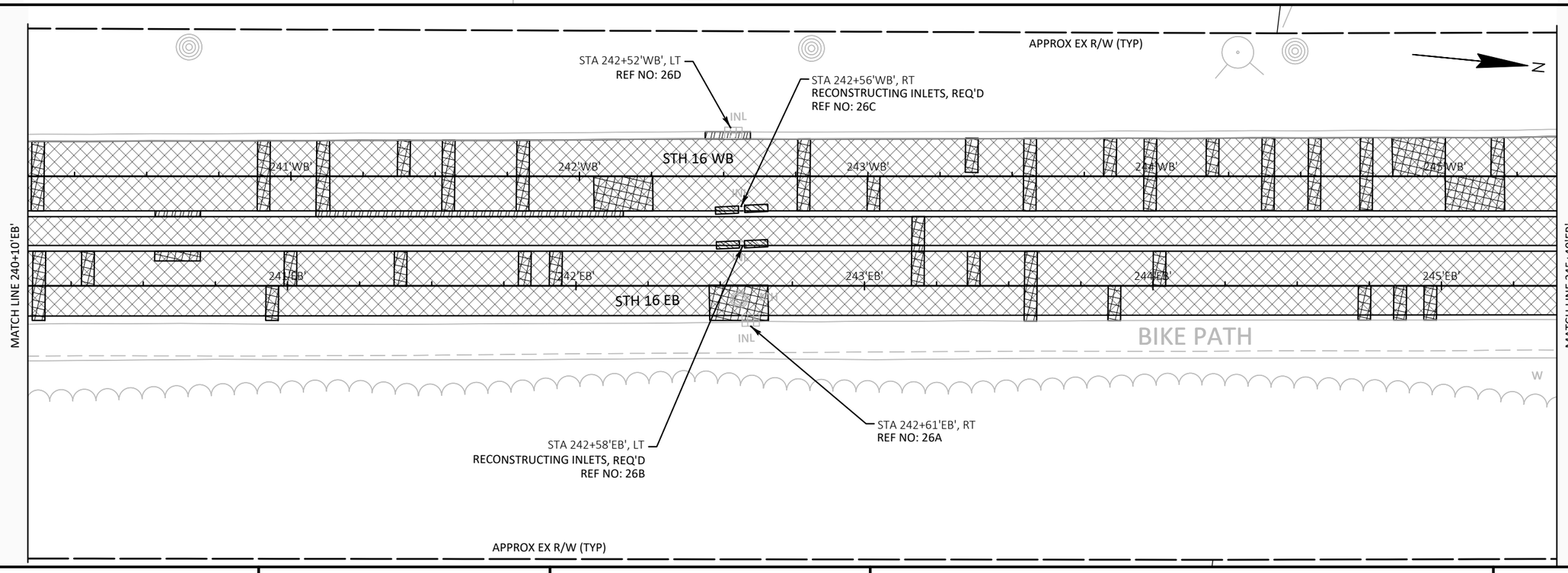
N

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 165	E

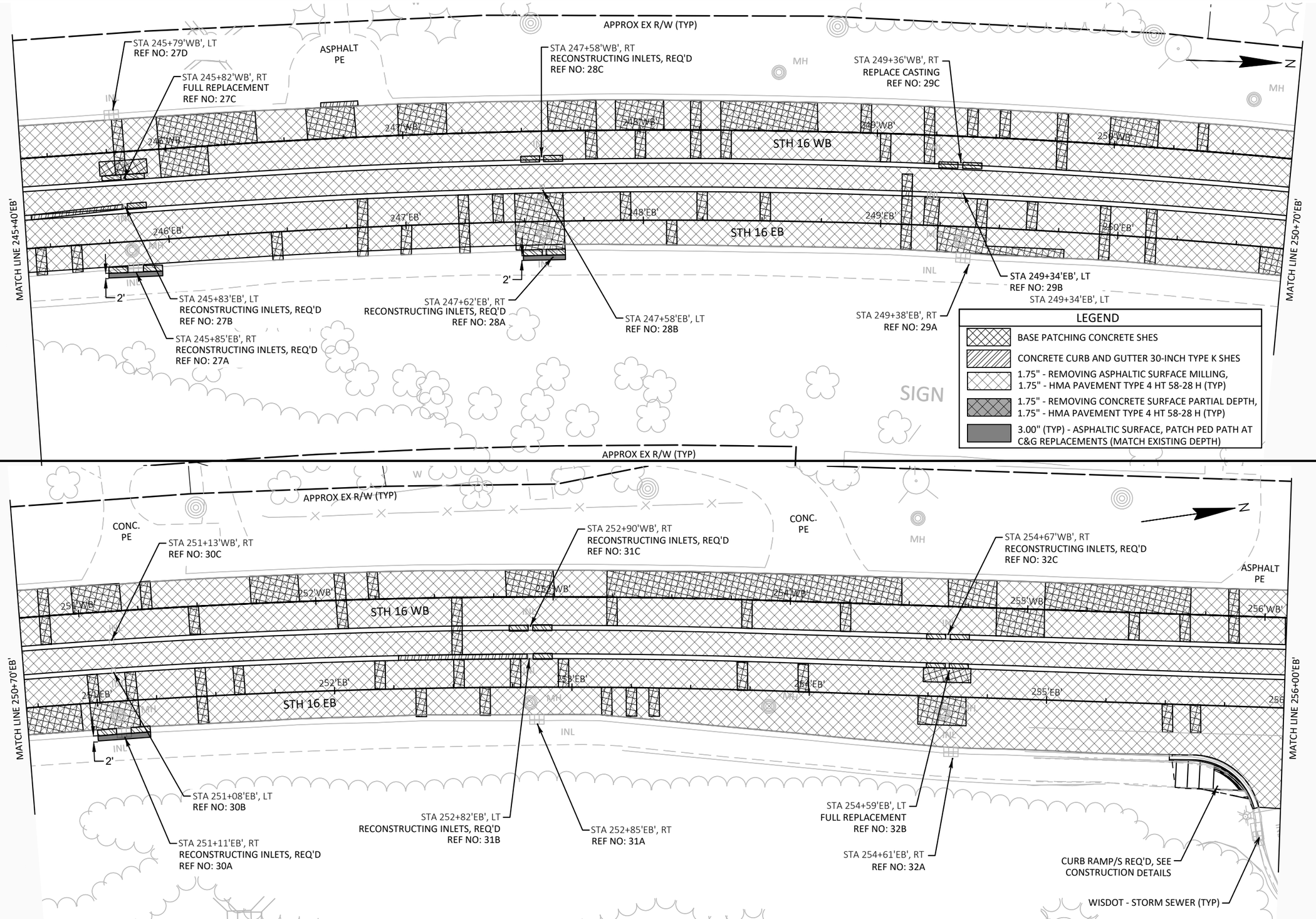


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 166 E

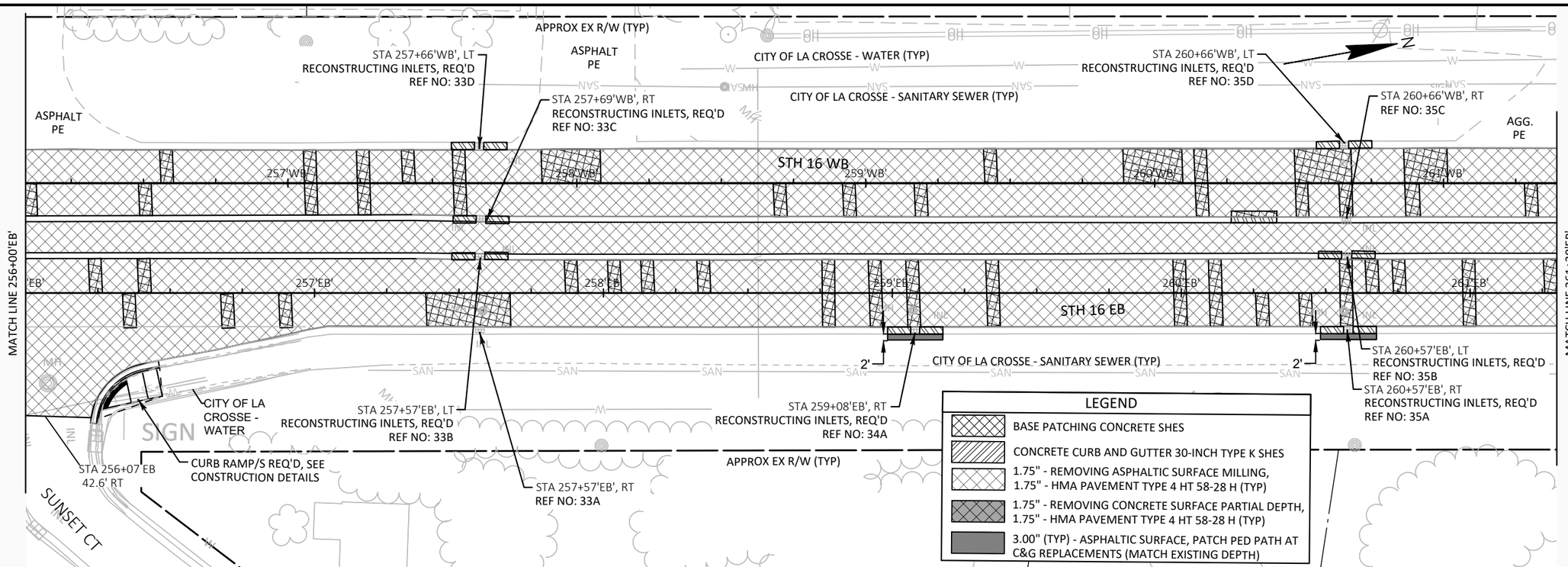




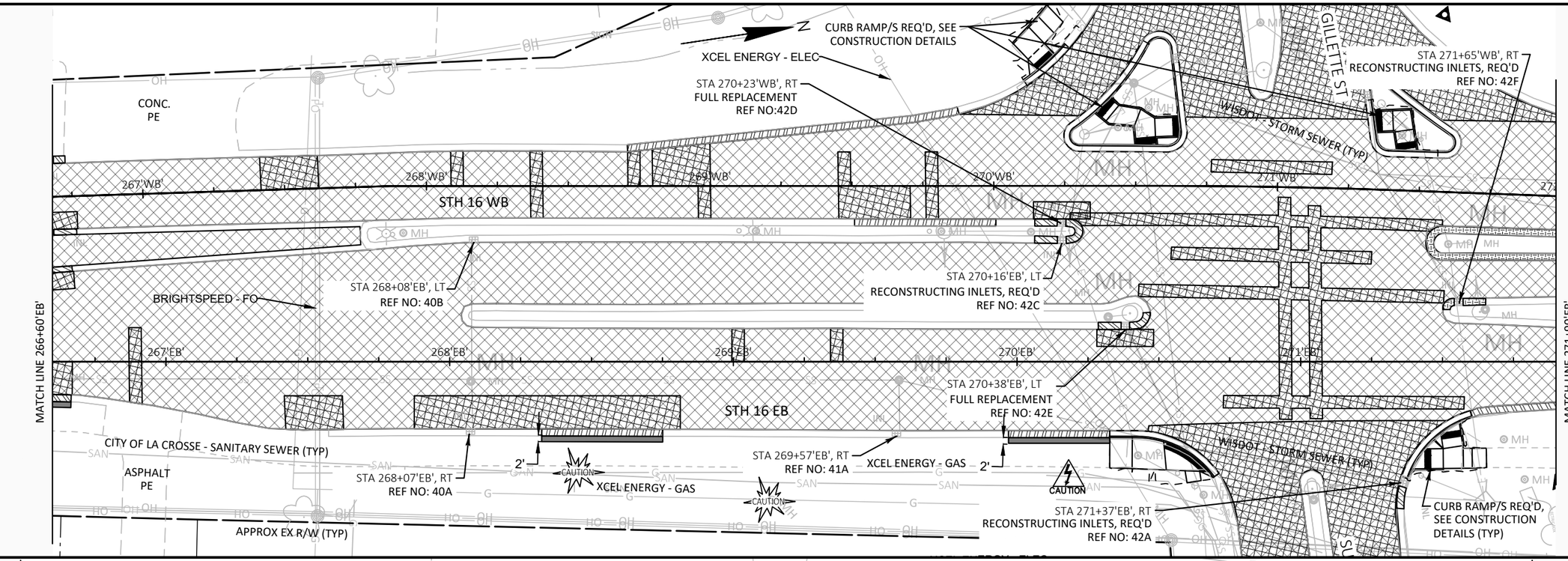
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 167 E



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 168 E



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 169 E



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 170 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 11

PLOT DATE : 7/17/2024 5:17 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

MATCH LINE 277+20'EB'

MATCH LINE 282+50'EB'

WISDOT - STORM SEWER

STH 16 WB

278'WB' 279'WB' 280'WB' 281'WB' 282'WB'

STH 16 EB

278'EB' 279'EB' 280'EB' 281'EB' 282'EB'

SUNSET LN

CITY OF LA CROSSE - SANITARY SEWER (TYP)

BRIGHTSPEED - FO

CAUTION

LEGEND

BASE PATCHING CONCRETE / BASE PATCHING CONCRETE SHES

CONCRETE CURB AND GUTTER 30-INCH TYPE K / CONCRETE CURB AND GUTTER 30-INCH TYPE K SHES

1.75" - REMOVING ASPHALTIC SURFACE MILLING, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)

MATCH LINE 282+50'EB'

MATCH LINE 287+80'EB'

WISDOT - STORM SEWER

CITY OF LA CROSSE - SANITARY SEWER (TYP)

STH 16 WB

283'WB' 284'WB' 285'WB' 286'WB' 287'WB'

STH 16 EB

283'EB' 284'EB' 285'EB' 286'EB' 287'EB'

CITY OF LA CROSSE - SANITARY SEWER (TYP)

SUNSET LN

XCEL ENERGY - GAS

APPROX EX R/W (TYP)

R/W

XCEL ENERGY - ELEC

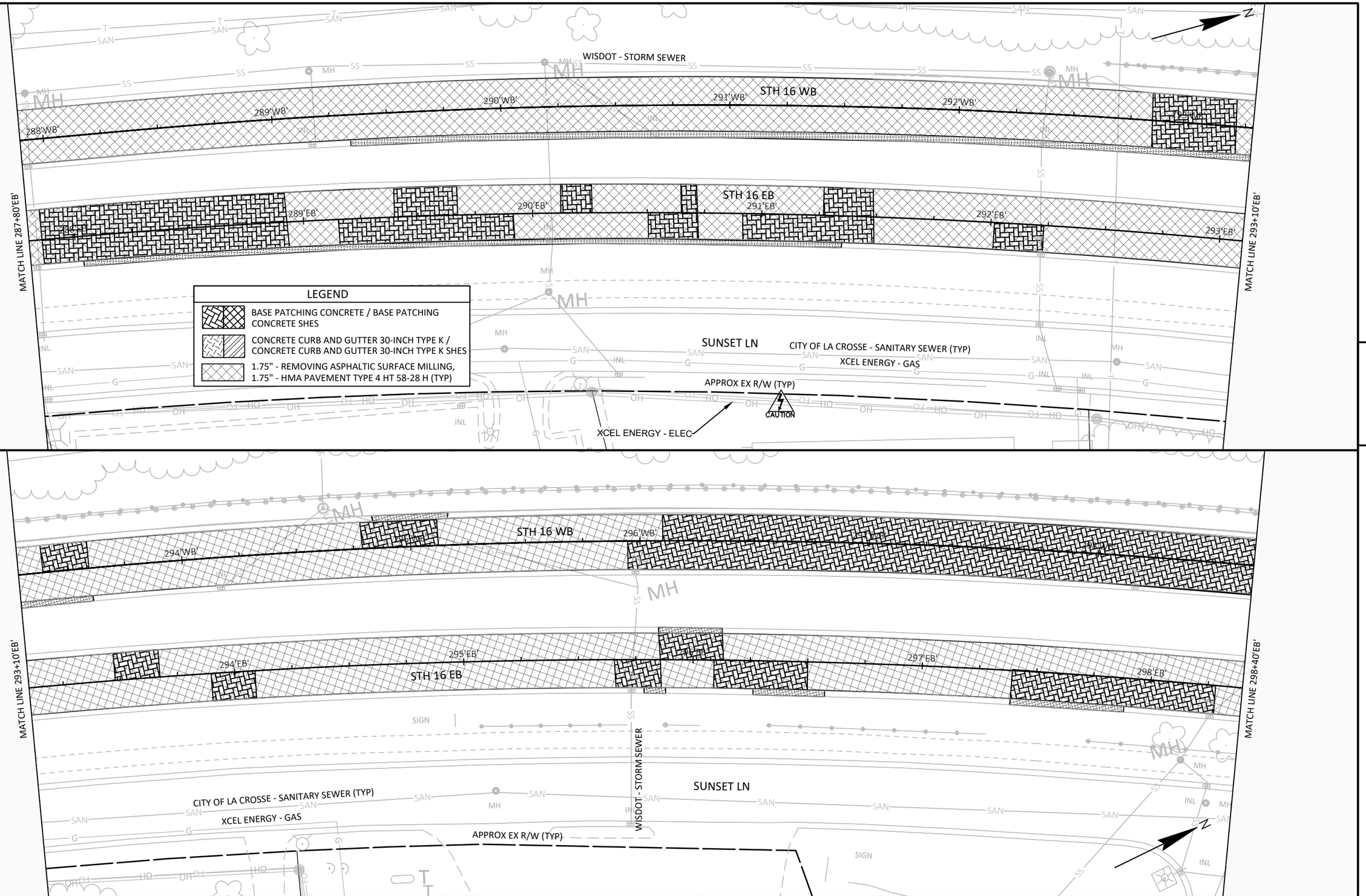
CAUTION

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 171 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 12

PLOT DATE : 7/18/2024 8:09 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########

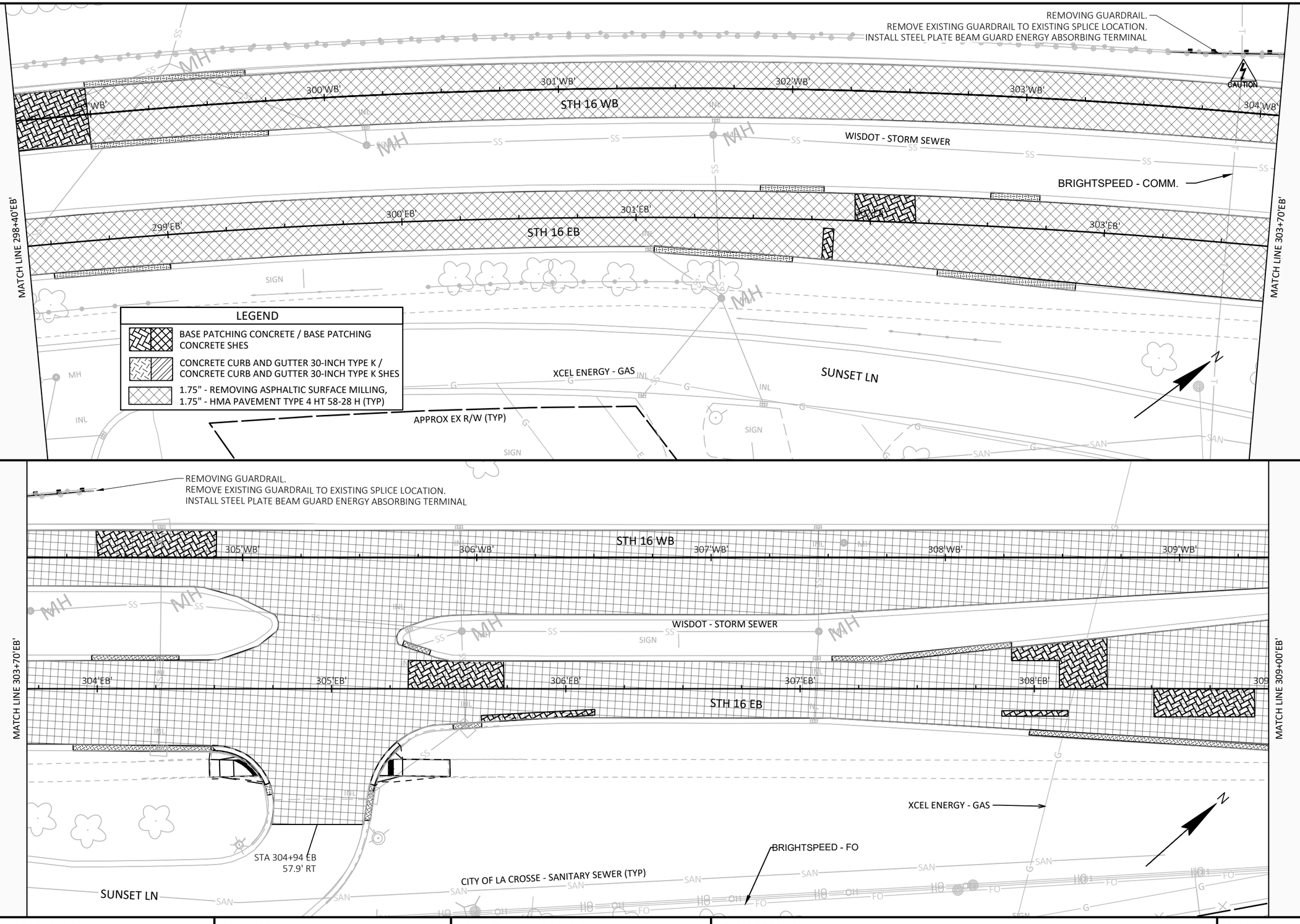
WISDOT/CADDS SHEET 44



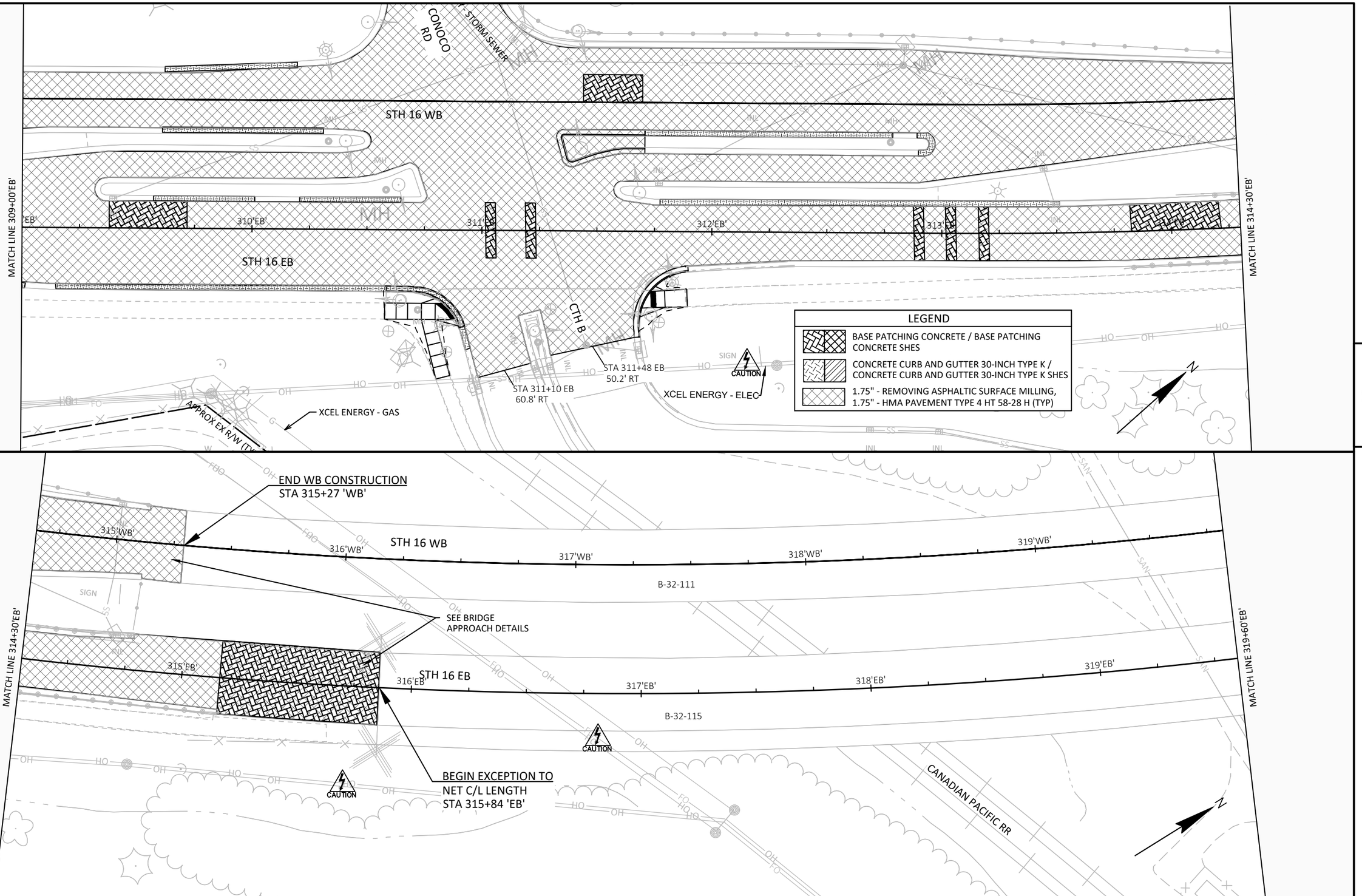
PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 172 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 13

PLOT DATE : 7/18/2024 8:11 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 173 E



5

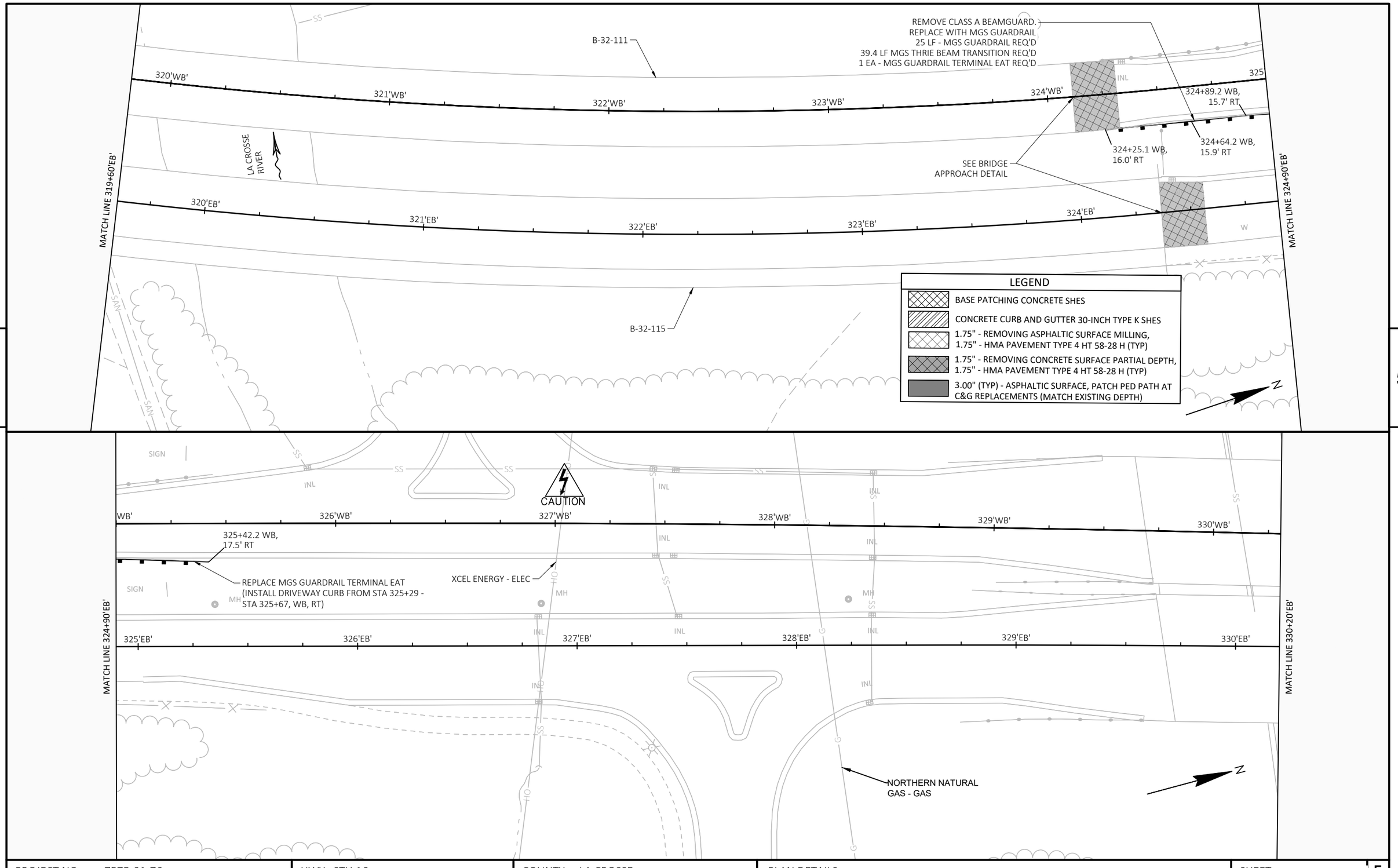
5

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 174 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 15

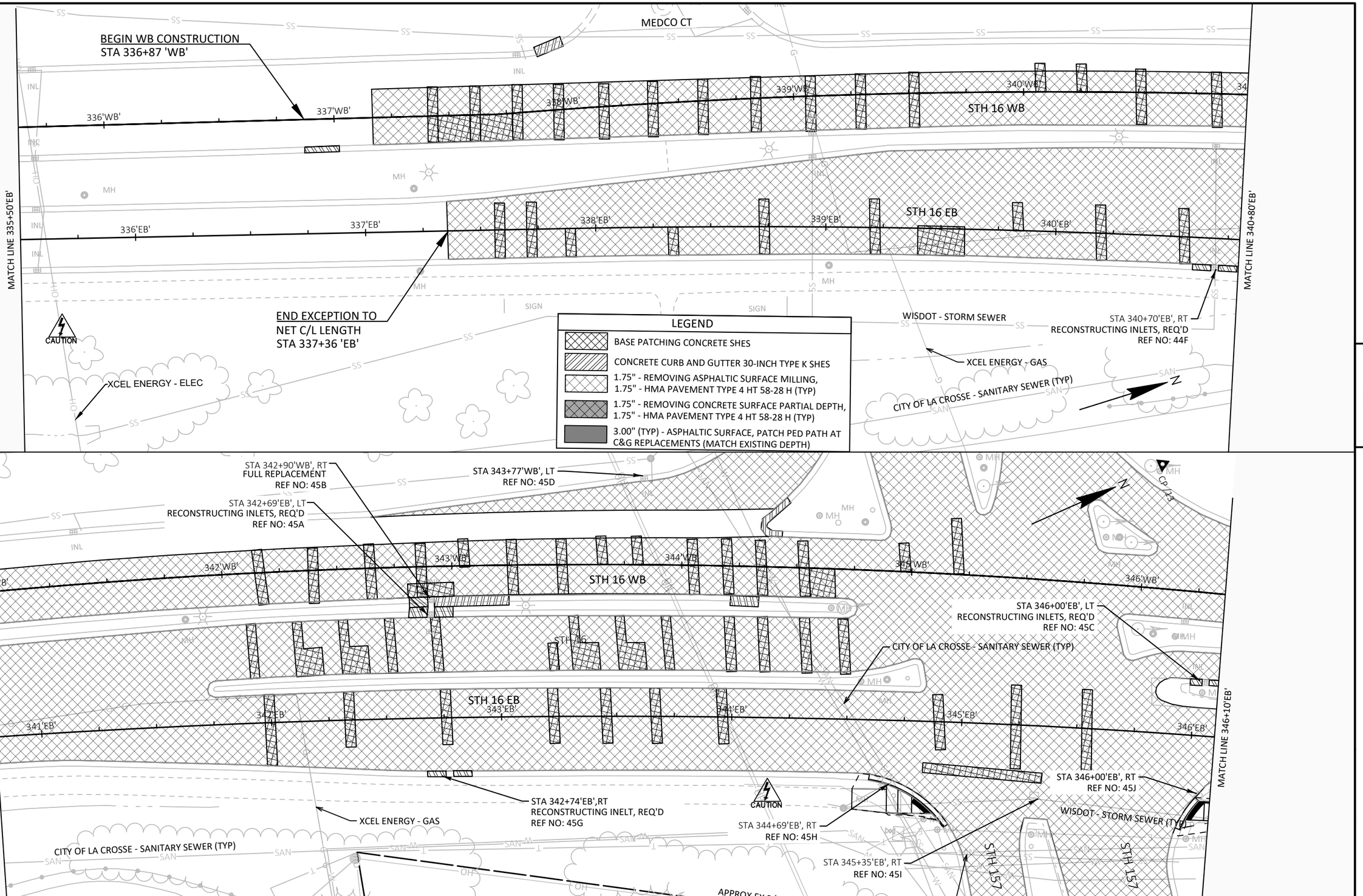
PLOT DATE : 7/18/2024 8:15 AM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 175 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 16
PLOT DATE : 12/2/2024 1:36 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

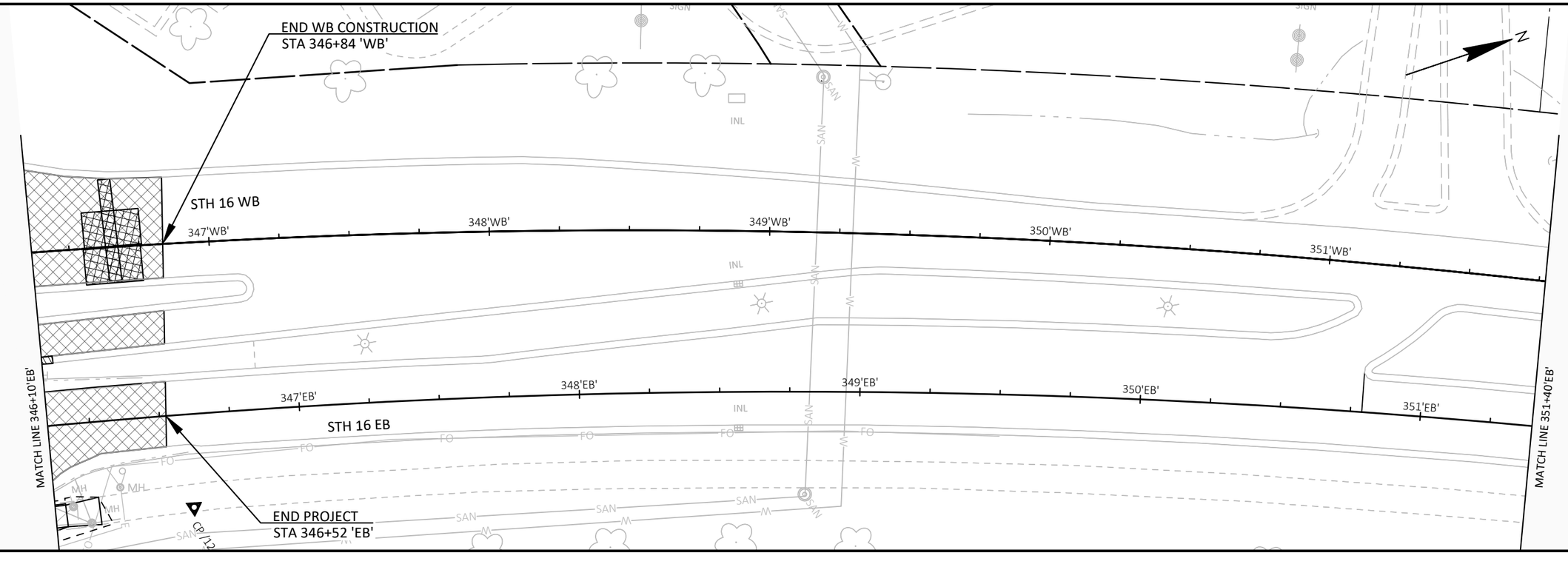


PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 176 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 17

PLOT DATE : 7/17/2024 5:31 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44



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PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 177 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 18

PLOT DATE : 7/17/2024 5:33 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- BASE PATCHING CONCRETE / BASE PATCHING CONCRETE SHES
- CONCRETE CURB AND GUTTER 30-INCH TYPE K / CONCRETE CURB AND GUTTER 30-INCH TYPE K SHES
- 1.75" - REMOVING ASPHALTIC SURFACE MILLING, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)

CONTROL POINTS			
POINT	ELEVATION	NORTHING	EASTING
CP 11	665.3220	144705.9330	455275.1080
CP 10	666.8720	144721.2000	455444.1260

CP11

CP10

GILLETTE ST

STA 271+24 EB
71.4' RT

SUNSET LN

STH 16 EB

272'WB'

272'EB'

270'WB'

270'EB'

2'

MASON ST STORM SEWER (TYP)

WISDOT STORM SEWER (TYP)

5

5

N

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 178 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 19

PLOT DATE : 7/17/2024 5:34 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

LEGEND

- BASE PATCHING CONCRETE / BASE PATCHING CONCRETE SHES
- CONCRETE CURB AND GUTTER 30-INCH TYPE K / CONCRETE CURB AND GUTTER 30-INCH TYPE K SHES
- 1.75" - REMOVING ASPHALTIC SURFACE MILLING, 1.75" - HMA PAVEMENT TYPE 4 HT 58-28 H (TYP)

CONTROL POINTS			
POINT	ELEVATION	NORTHING	EASTING
CP 12	707.8010	151489.8730	458201.0480
CP 13	705.9670	151490.7540	458030.5270
BM	709.4330	151359.9220	458199.4930

STH 16 WB
347'WB'
346'WB'
344'WB'
STH 16 EB
347'EB'
346'EB'
345'EB'
344'EB'
STH 157
CP /13
CP /12
BM
STA 345+20 WB
144.6' LT
STA 344+69 WB
131.2' LT
STA 345+74 EB
73.8' RT
STA 345+19 EB
78.9' RT
WISDOT - STORM SEWER (TYP)
A/C
N

5

5

PROJECT NO: 7575-01-76	HWY: STH 16	COUNTY: LA CROSSE	PLAN DETAILS	SHEET 179 E

FILE NAME : \\SP-PZ1.SEHINC.COM\PZPROJECTS1\UZ\W\WITSW\166662\CIVIL 3D\75750106\SHEETSPLAN\SEC 05 PLAN & PROFILE\050201_PN.DWG
LAYOUT NAME - 20

PLOT DATE : 7/17/2024 5:36 PM PLOT BY : CLARISSA ERBS PLOT NAME : PLOT SCALE : 1 IN:40 FT

Standard Detail Drawing List

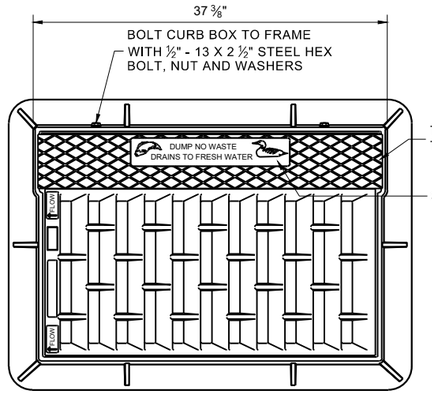
08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING

6

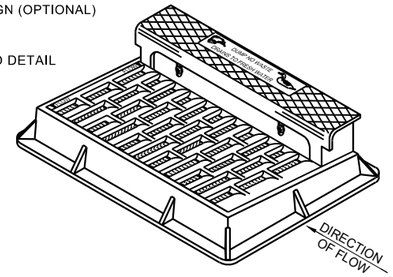
Standard Detail Drawing List

15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C18-08A	MEDIAN ISLAND MARKING PAVEMENT MARKINGS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D12-12A	TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS
15D20-08A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D50-03A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

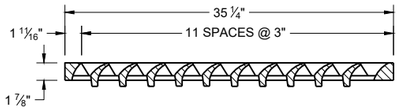
6

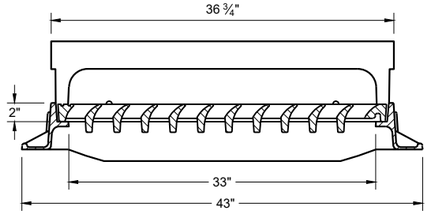


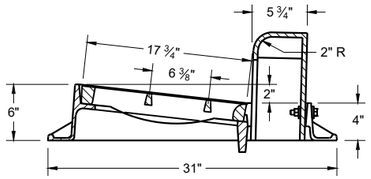
NOTE: EITHER CASTING IS ACCEPTABLE

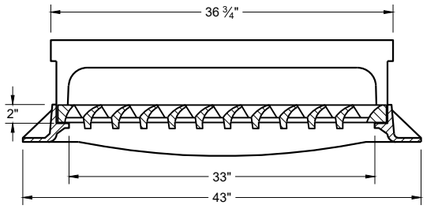


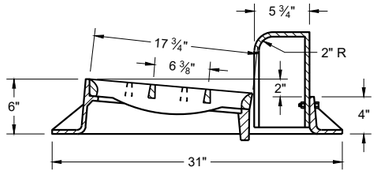
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







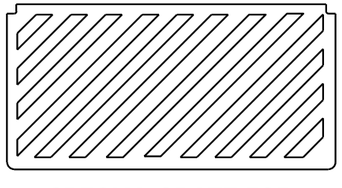




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

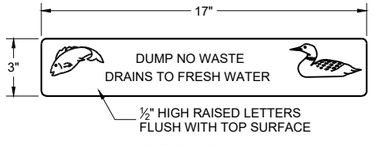
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



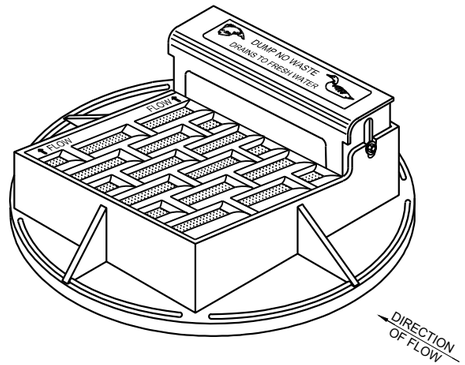
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

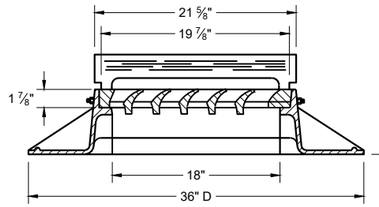


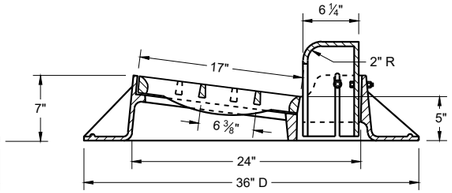
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





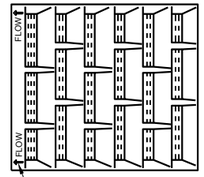
TYPE "A"

GENERAL NOTES

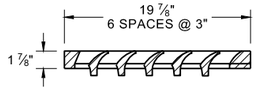
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

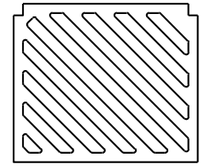
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



DIRECTION OF FLOW ARROWS



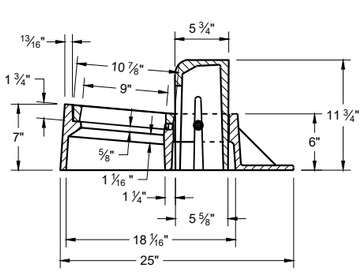
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



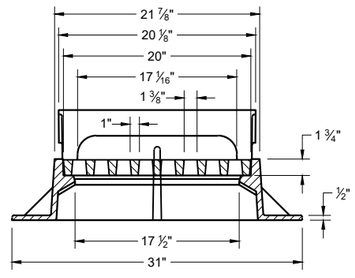
SPECIAL GRATE FOR TYPE "A" COVER

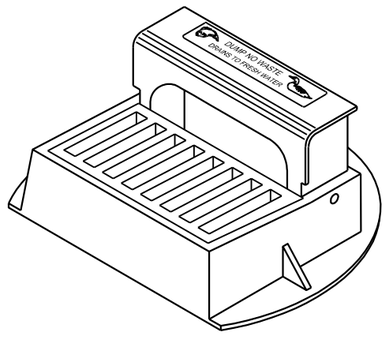
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





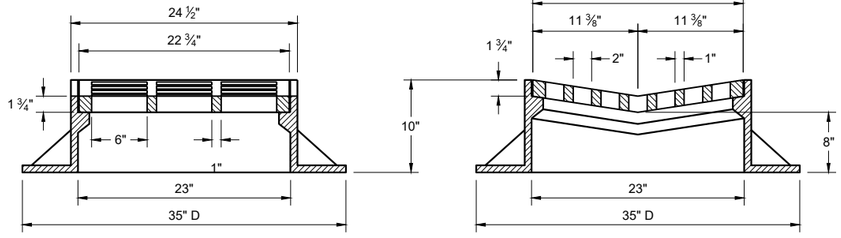
INLET COVERS
TYPES A, H, A-S, H-S AND Z

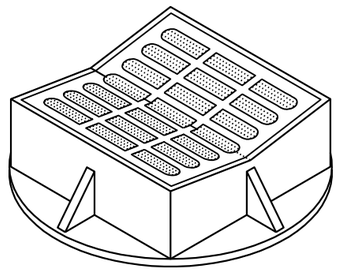
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

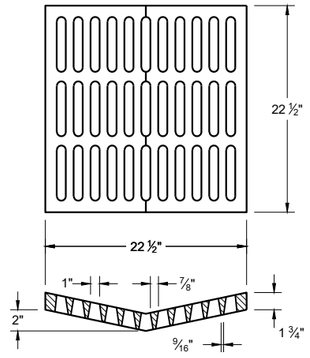
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





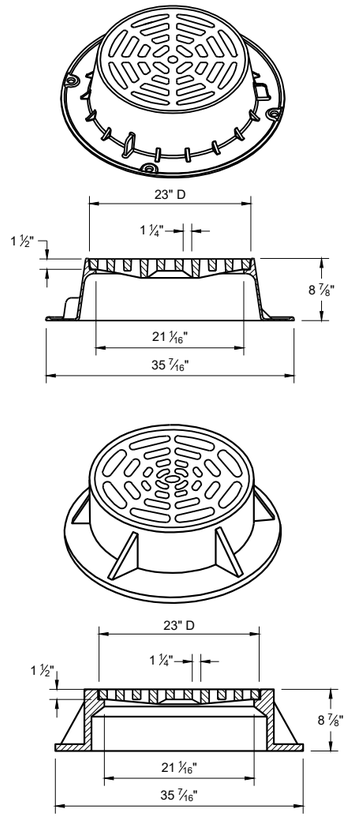
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

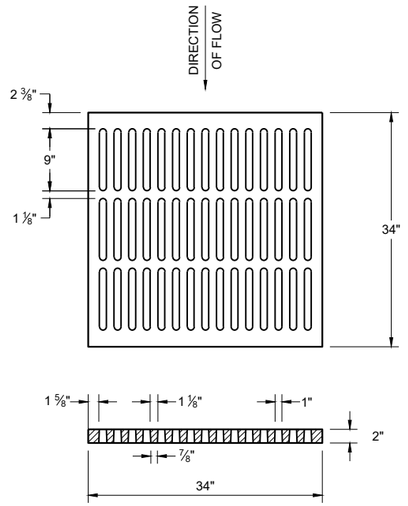
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

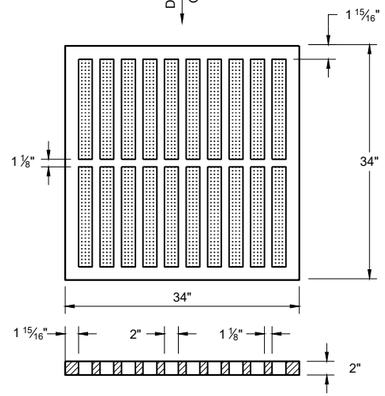
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

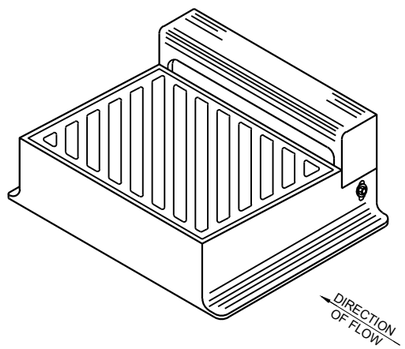
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



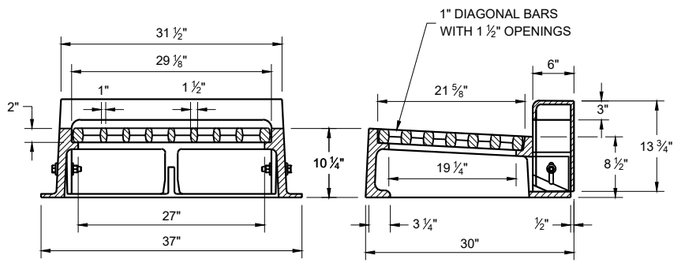
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



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



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

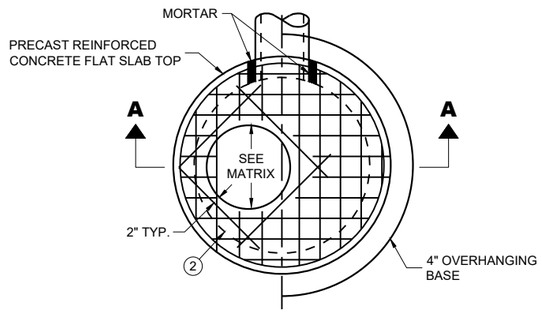
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

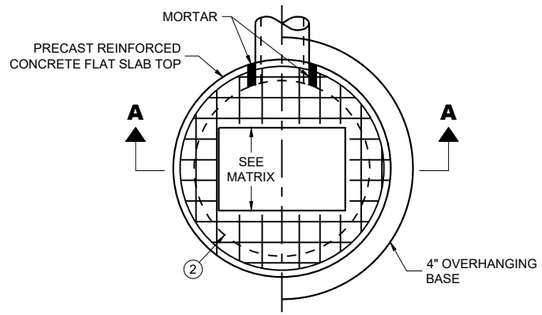
6

SDD 08A05-21b

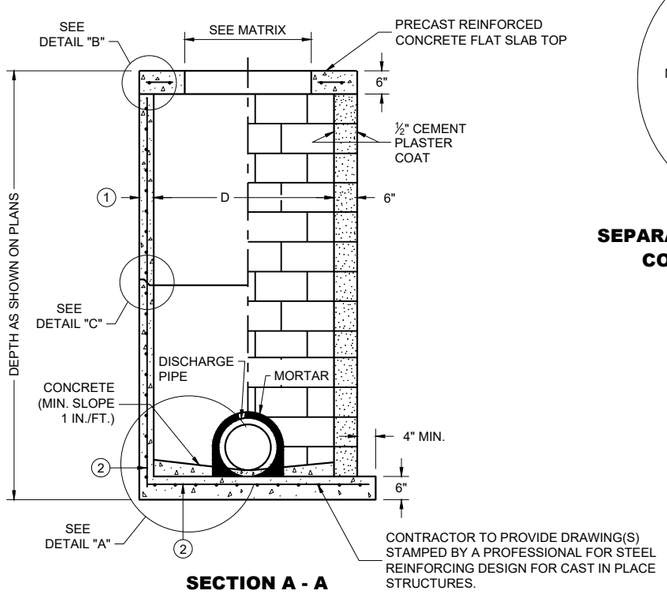
SDD 08A05-21b



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

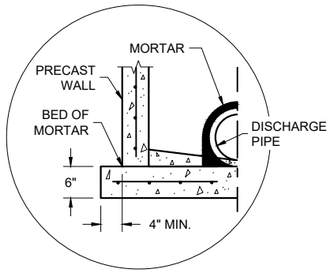
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

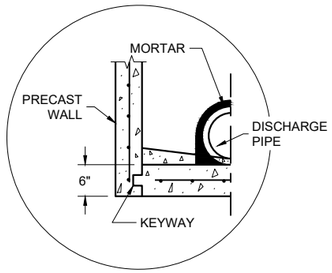
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

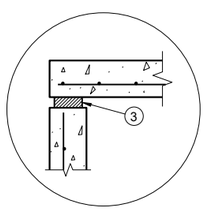


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

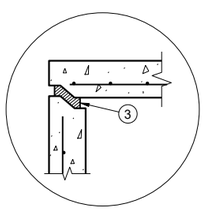


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

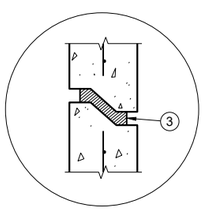
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

INLETS 3-FT AND 4-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

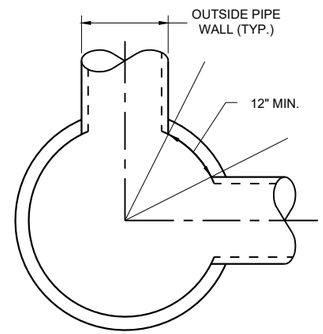
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

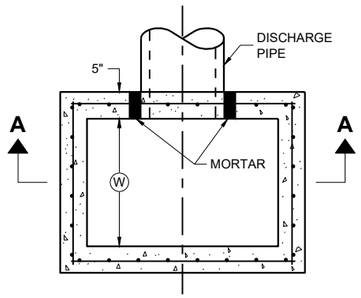
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

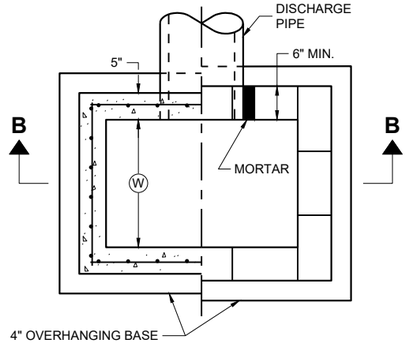
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

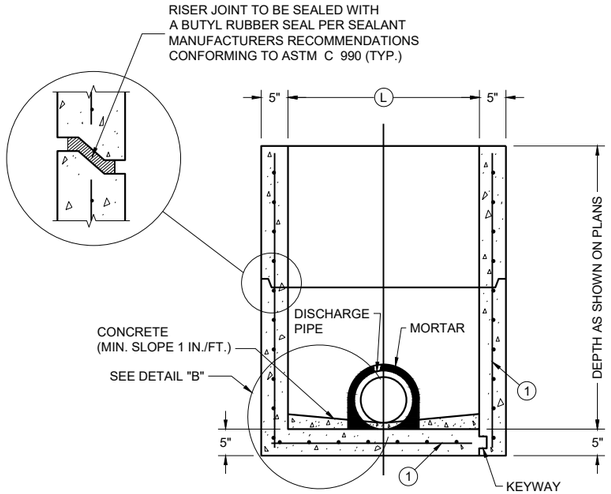
6
SDD 08C06-03



PLAN VIEW



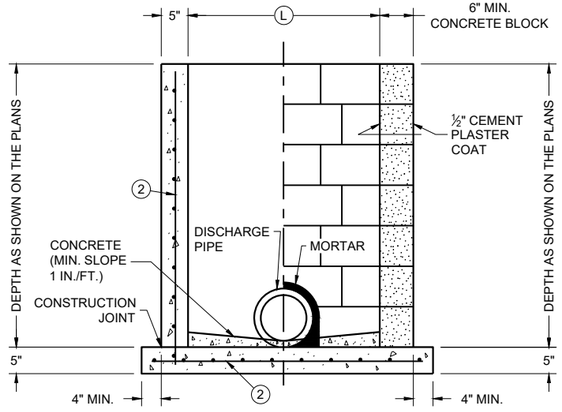
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

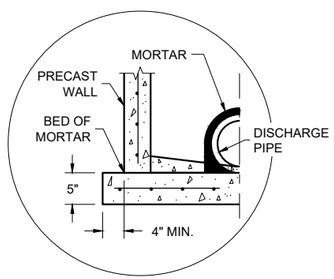
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

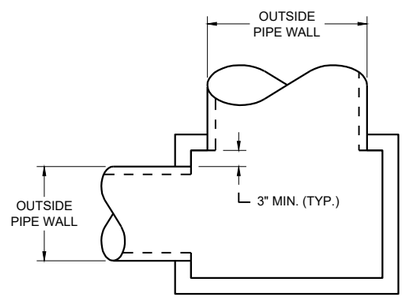
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 08C07-03

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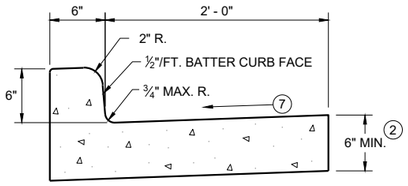
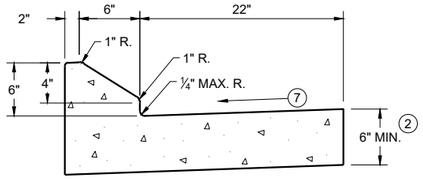
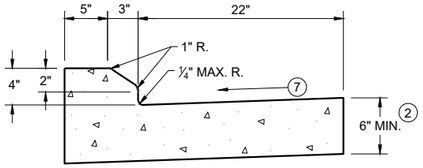
SDD 08C07-03



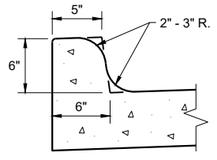
TYPES A (1) & D



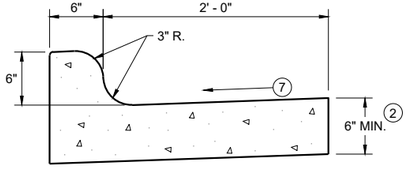
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

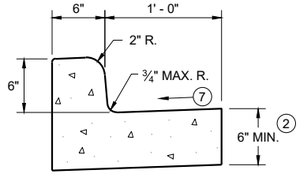


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



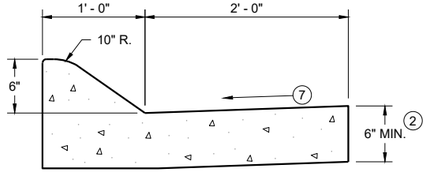
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

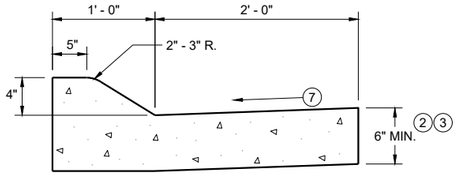


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

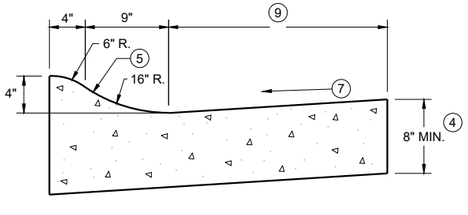


6" SLOPED CURB TYPES A (1) & D



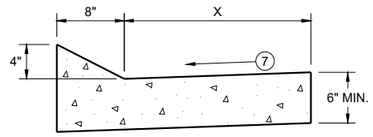
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

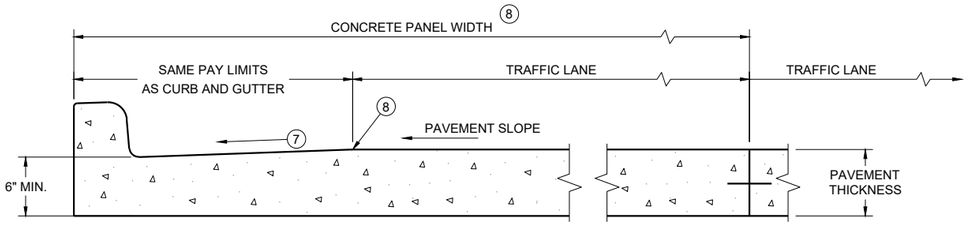


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

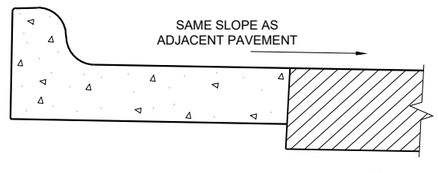
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

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

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

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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

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

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

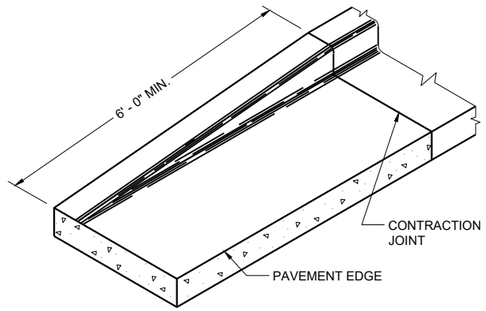
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

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

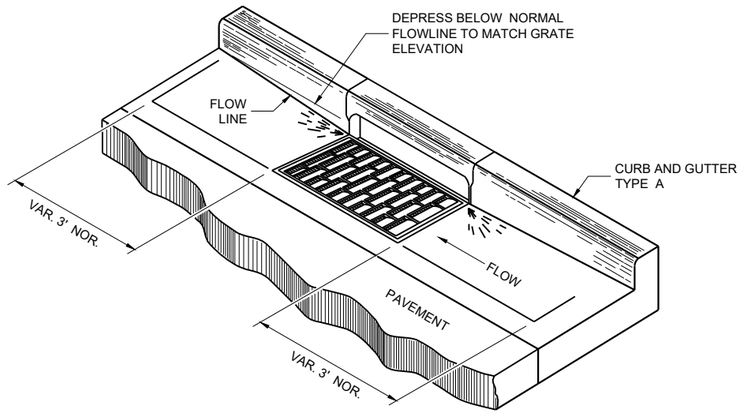
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

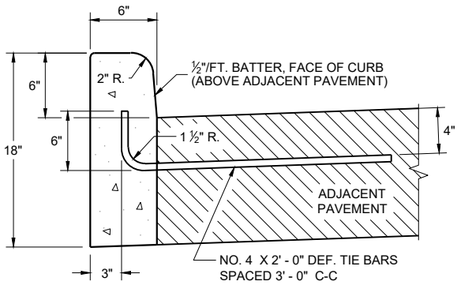
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

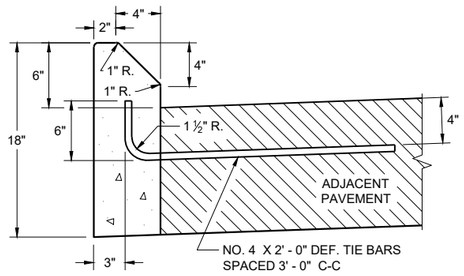
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

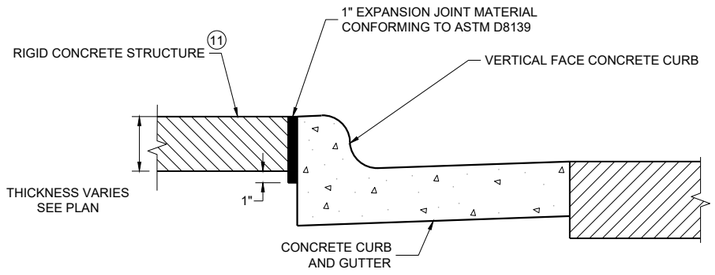


TYPES A (1) & D

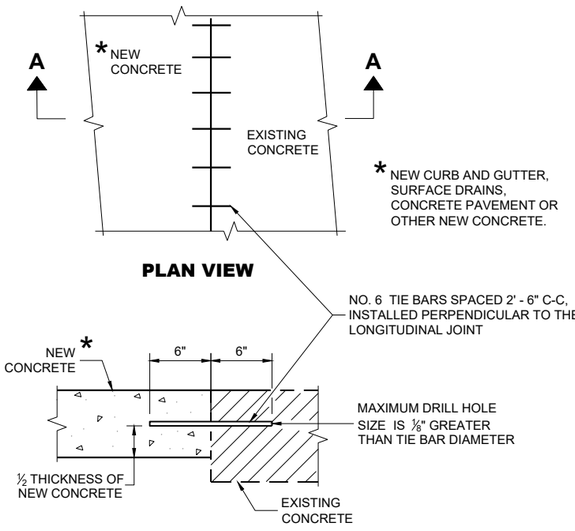


TYPES G (1) & J

CONCRETE CURB



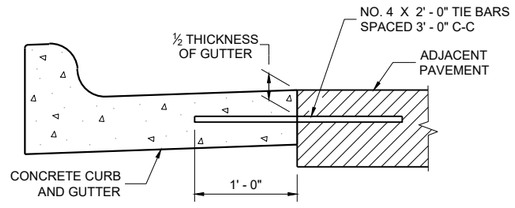
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



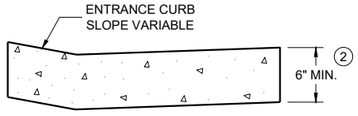
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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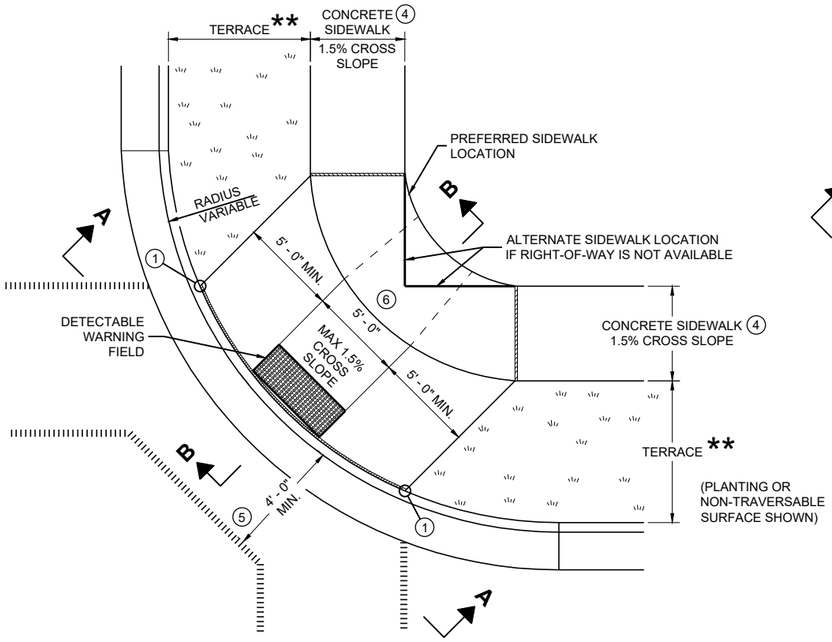
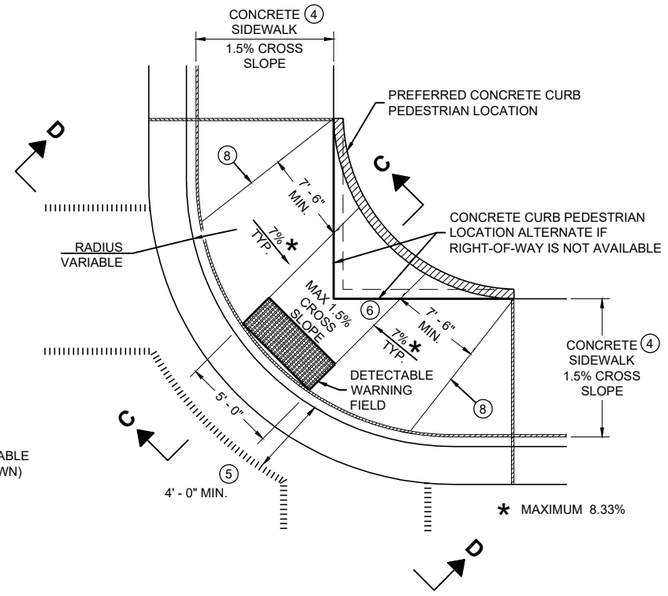
SDD 08D01-23b



PLAN VIEW

CURB RAMP TYPE 1

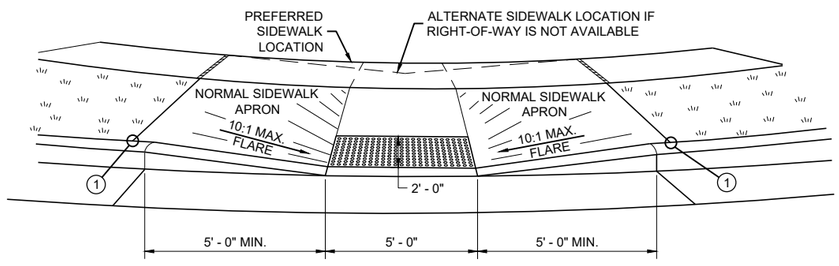
(CENTER OF CORNER RADIUS)



PLAN VIEW

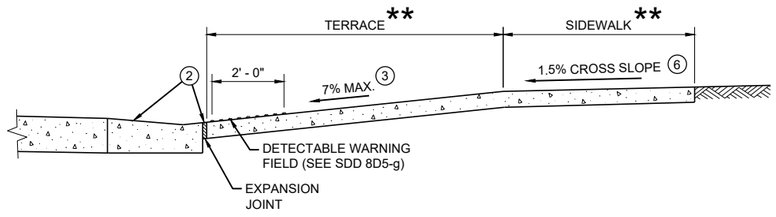
CURB RAMP TYPE 1 - A

(NO TERRACE)

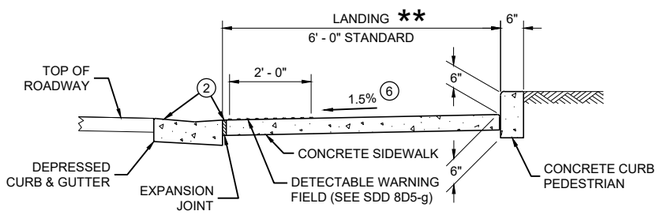


VIEW A - A FOR TYPE 1

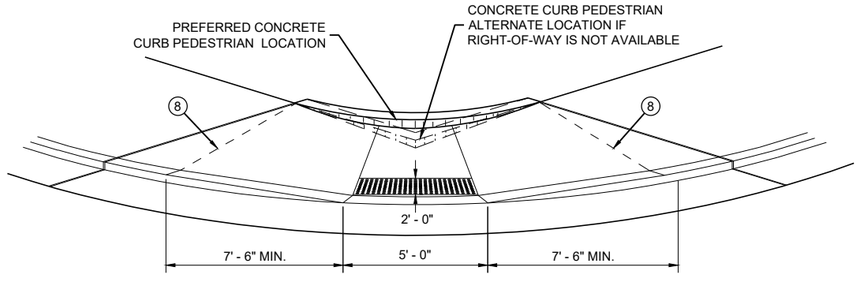
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

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

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

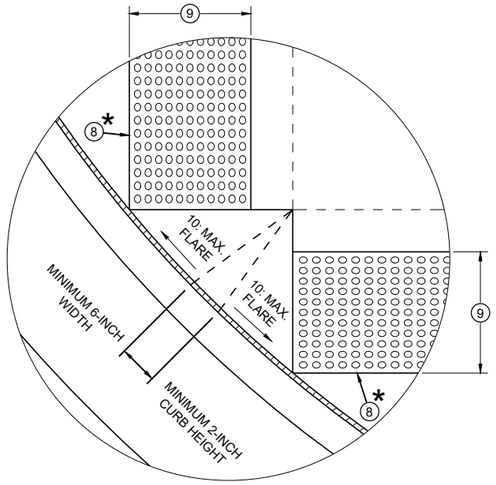
LEGEND

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

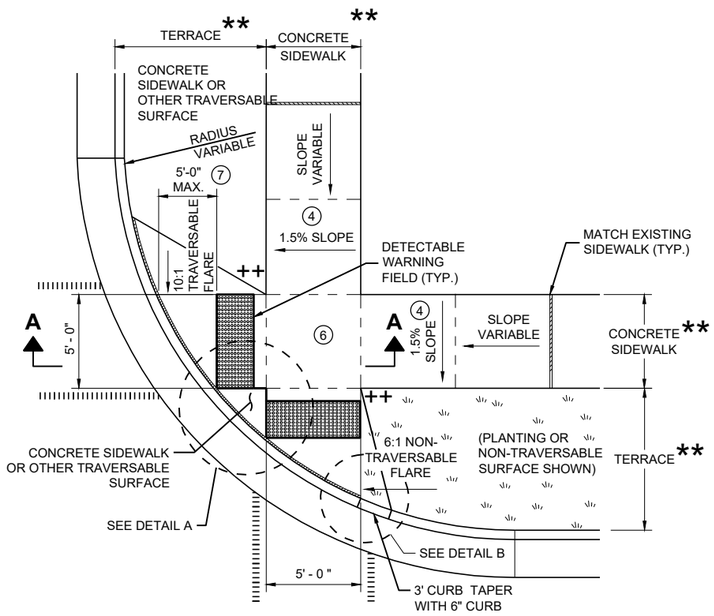
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

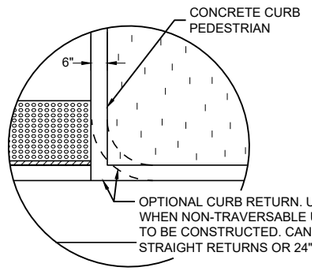
6
SDD 08D05-21a



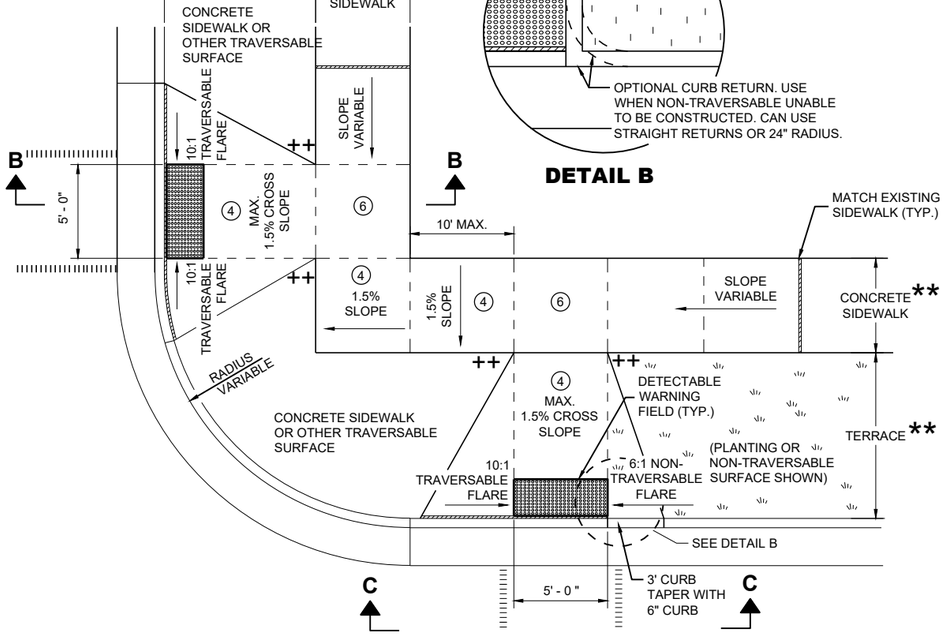
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

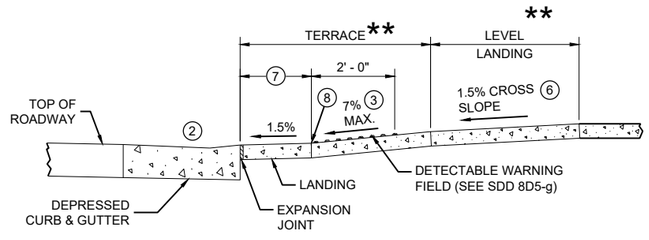
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

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

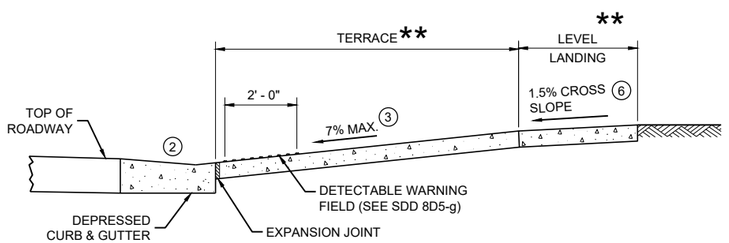


SECTION A - A FOR TYPE 2

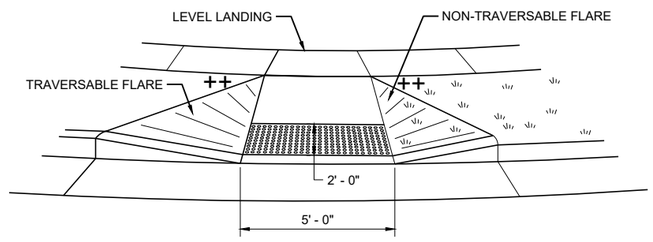
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



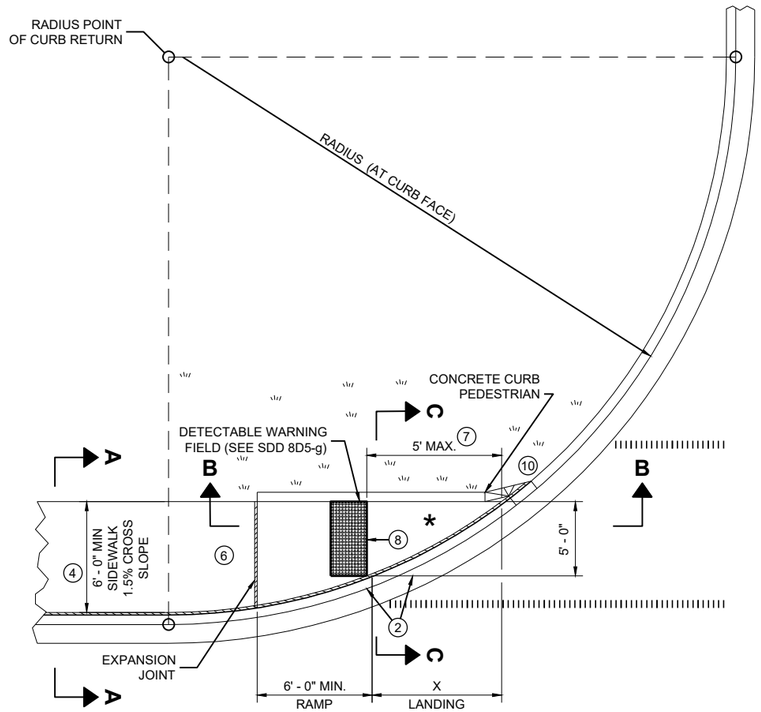
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

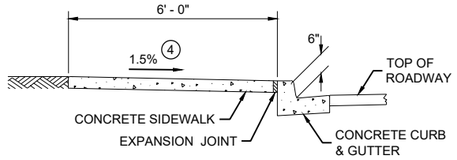


PLAN VIEW

CURB RAMP TYPE 4A

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

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.

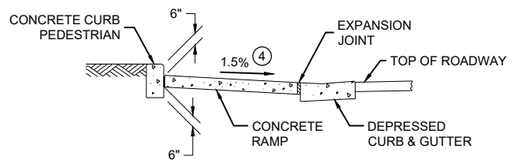
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

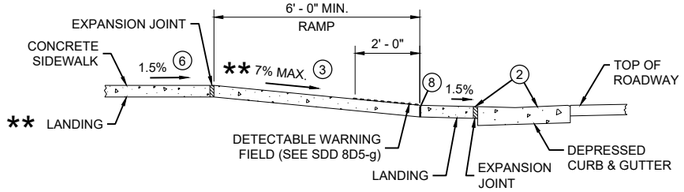
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

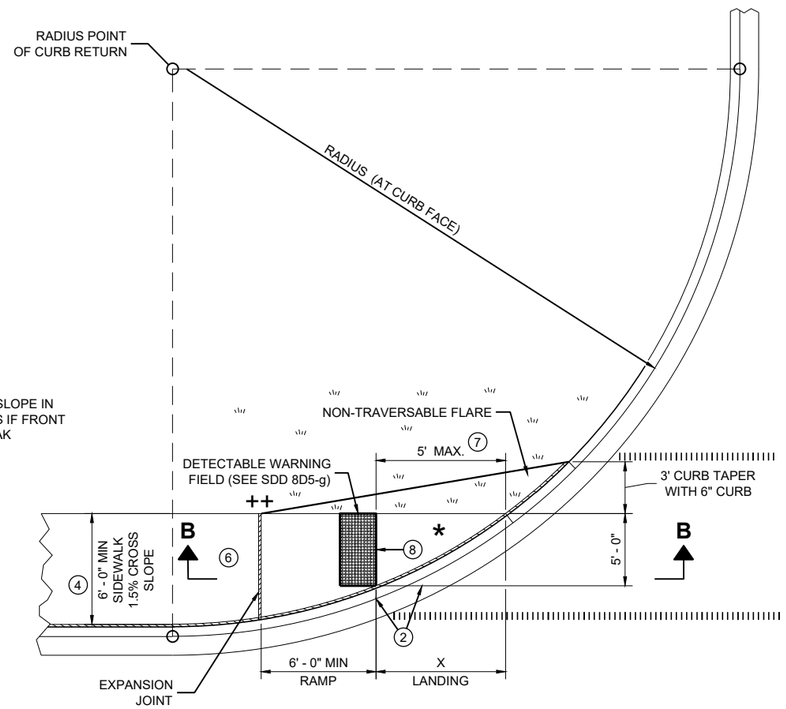


SECTION C - C FOR TYPE 4A



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

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

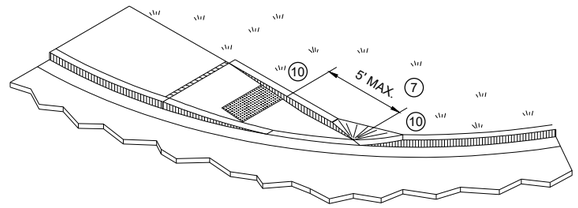


* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

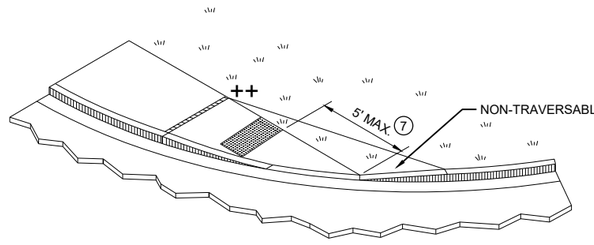
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



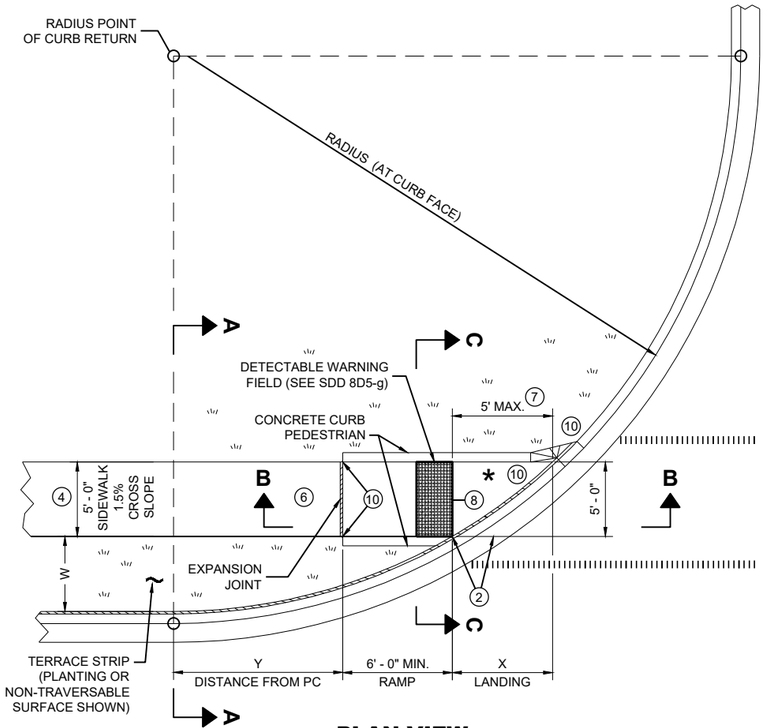
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

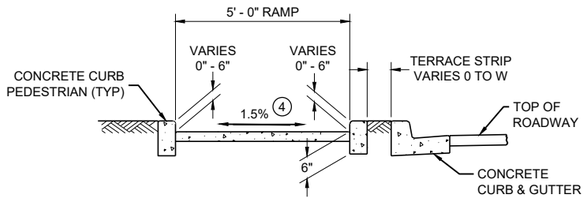
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

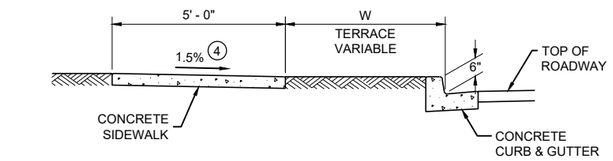
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

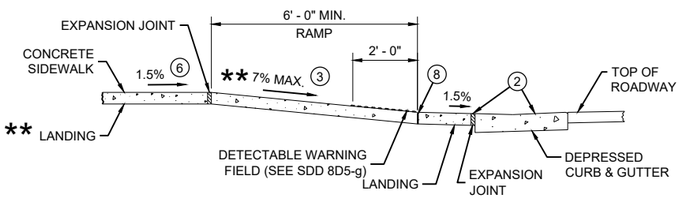
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

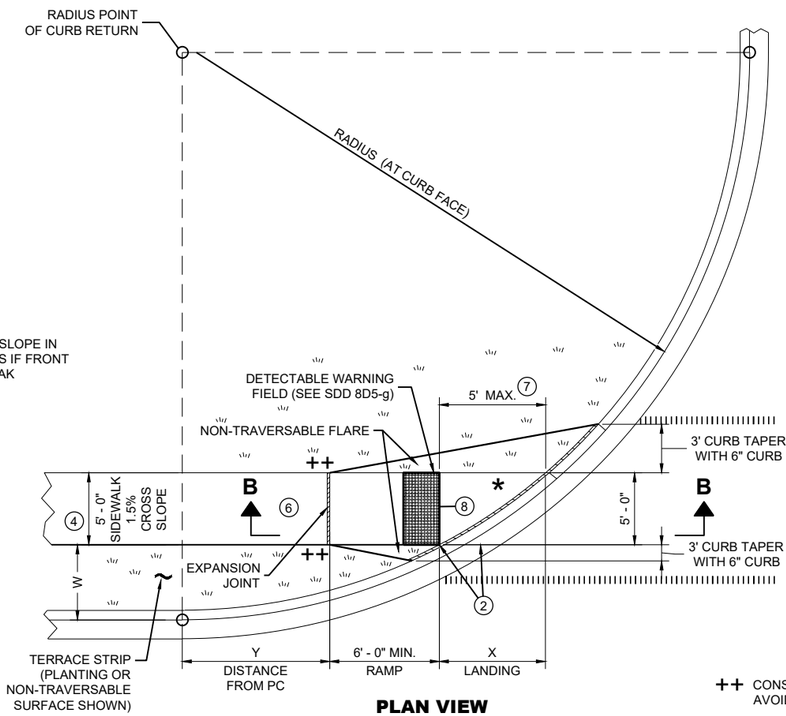


SECTION A - A FOR TYPE 4B



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

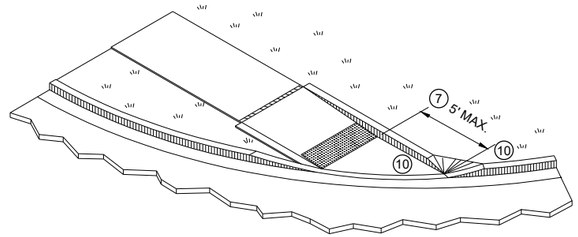
SECTION B - B FOR TYPE 4B AND TYPE 4B1



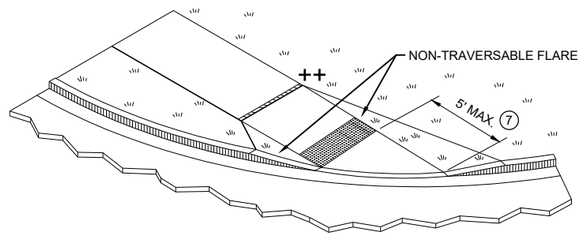
PLAN VIEW
CURB RAMP TYPE 4B1

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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



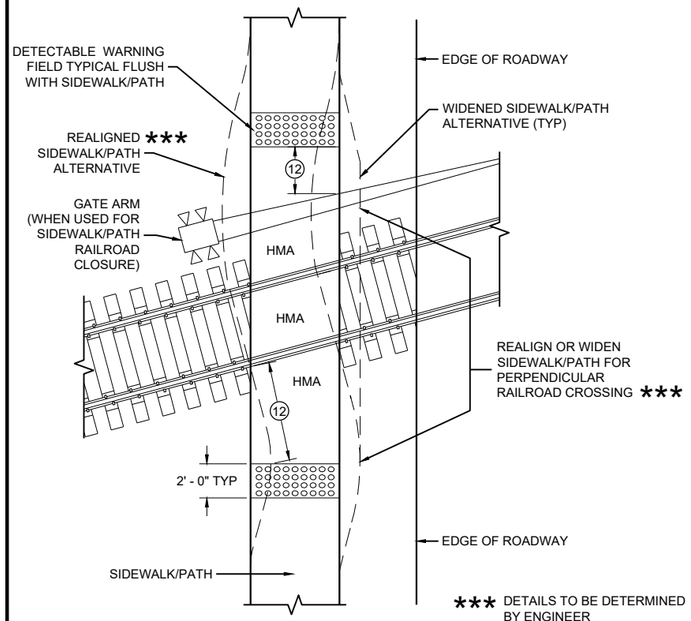
ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

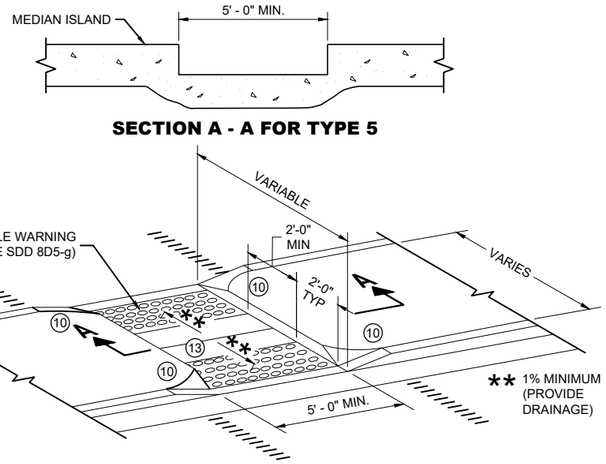
CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

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

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

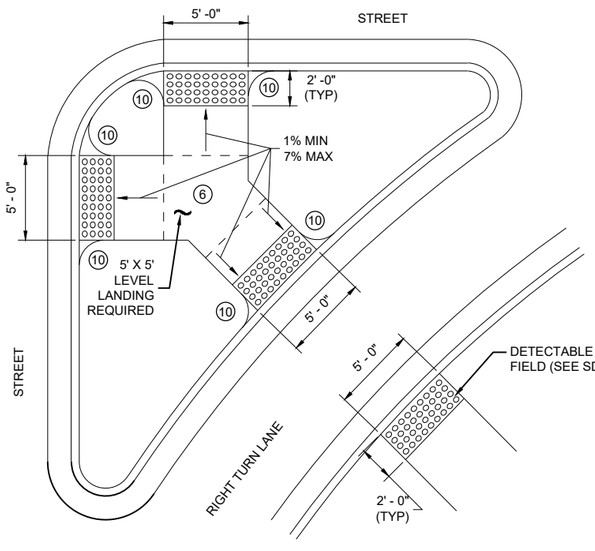
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

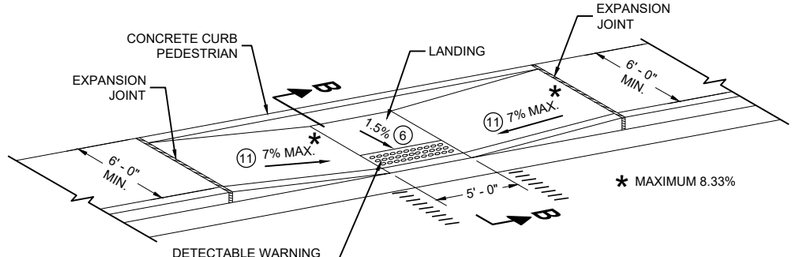
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

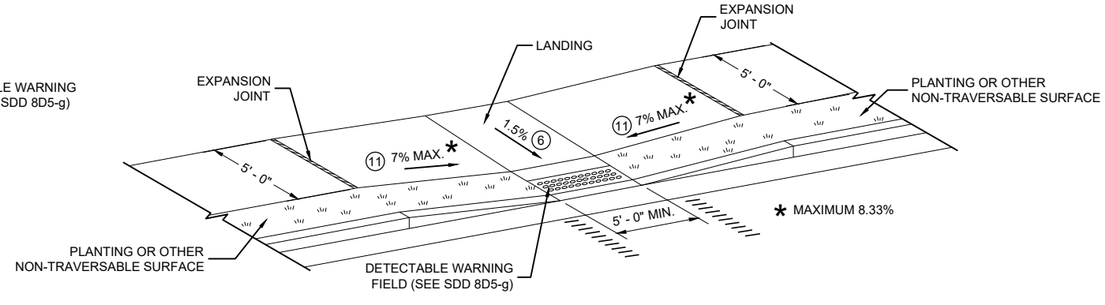
DETECTABLE WARNING AT ISLANDS

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



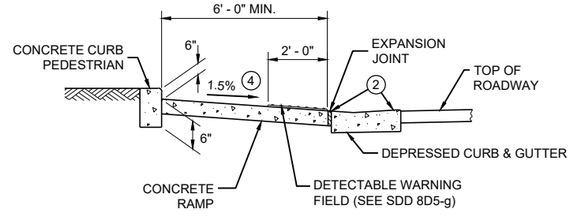
CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

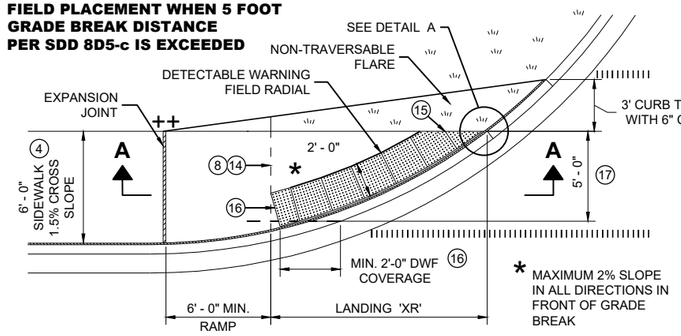


SECTION B - B FOR TYPE 7A

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

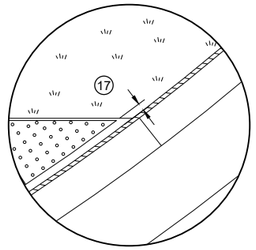
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

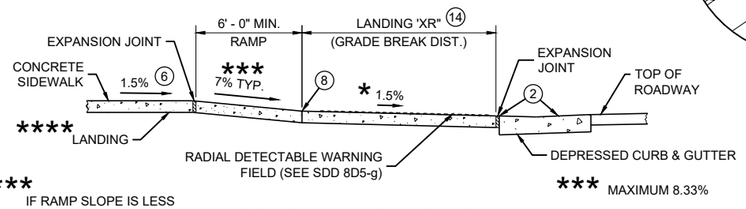


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

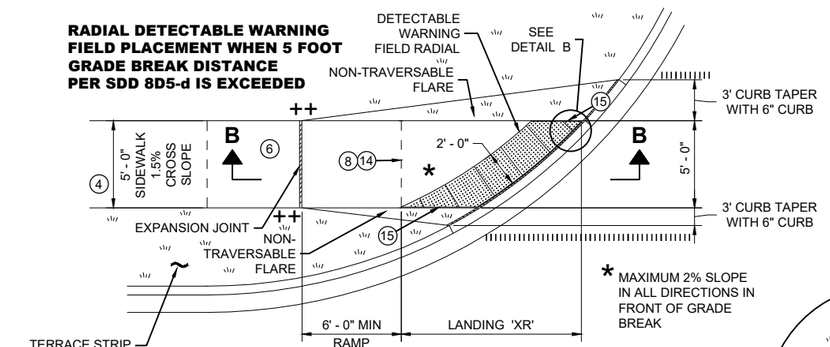


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

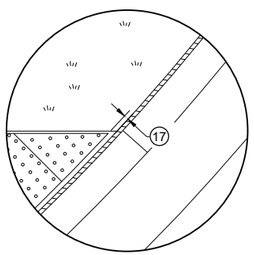
SECTION A - A FOR TYPE 4A1

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

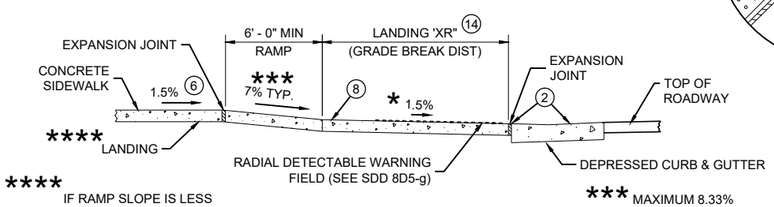


PLAN VIEW

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.

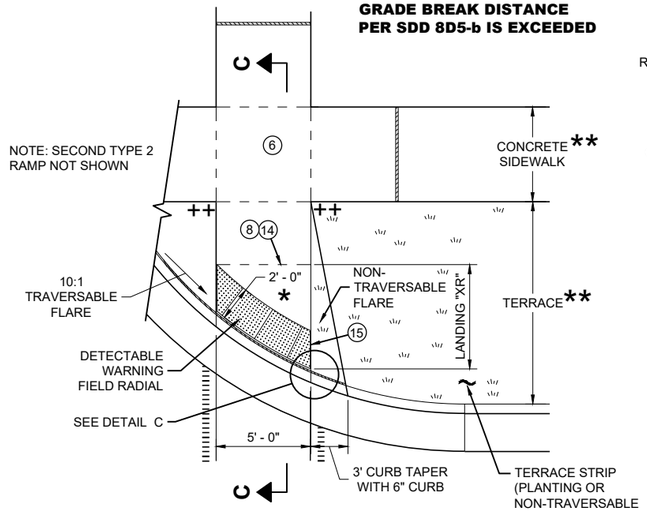
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

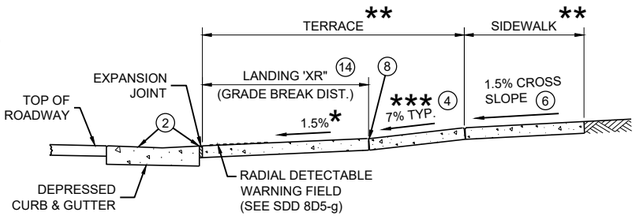
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

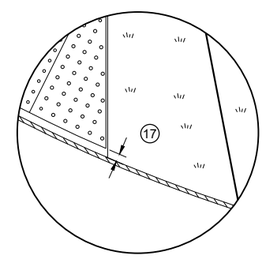


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

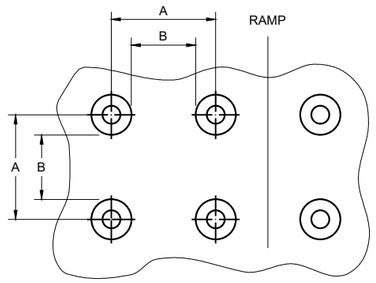
CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

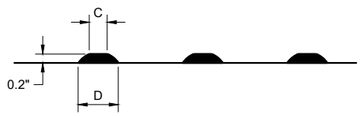
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

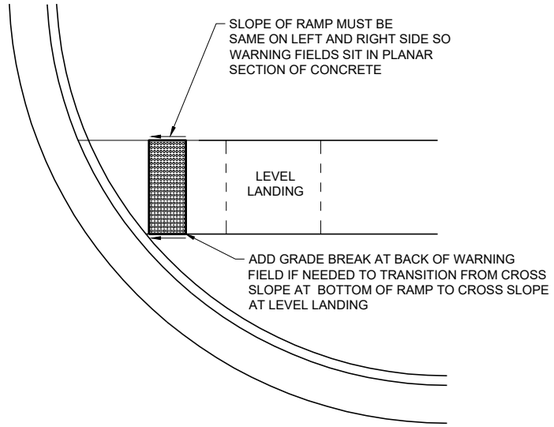
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

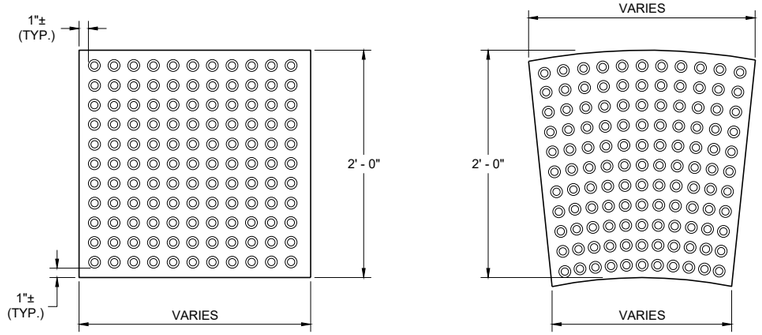
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

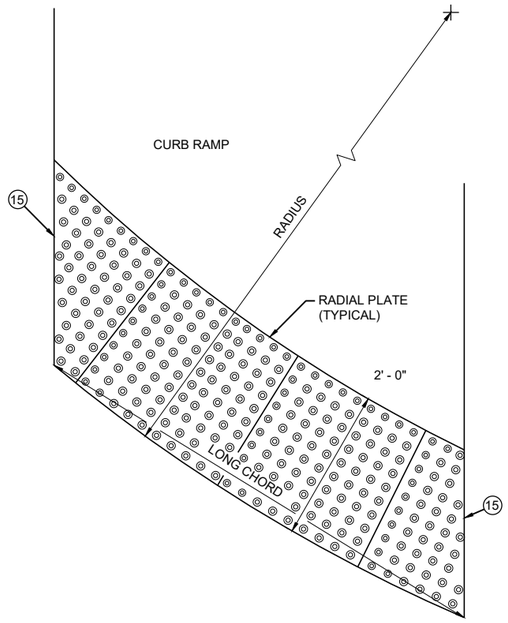
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



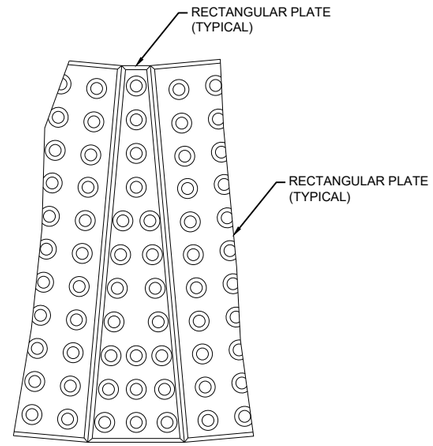
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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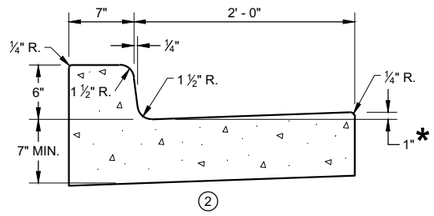
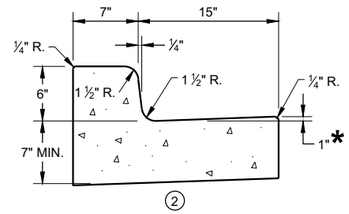
SDD 08D05-21g

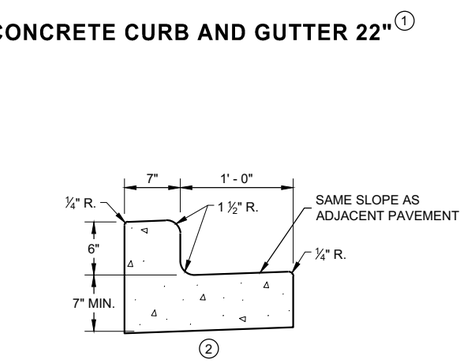


CONCRETE CURB AND GUTTER 31" ①

*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.

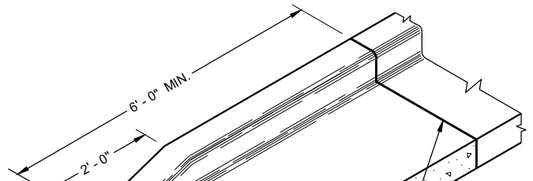


CONCRETE CURB AND GUTTER 22" ①

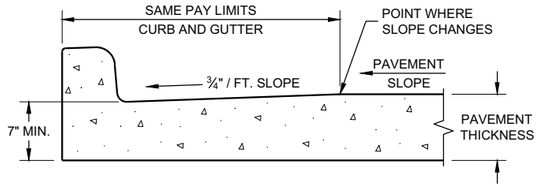


CONCRETE CURB AND GUTTER 19" ①

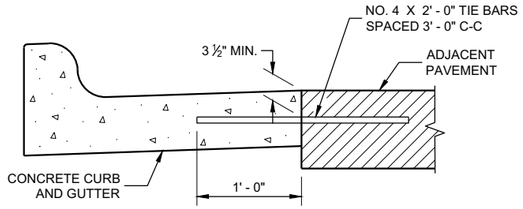
CONCRETE GUTTER 24" ①



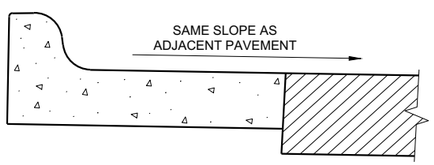
END SECTIONCURB AND GUTTER



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



TYPICAL TIE BAR LOCATION ①



HIGH SIDE SECTION ③

(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.

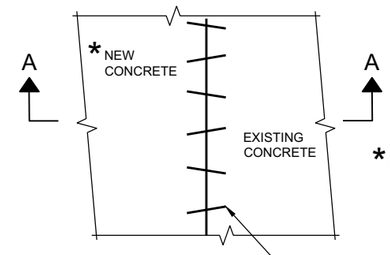
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

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

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUITED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

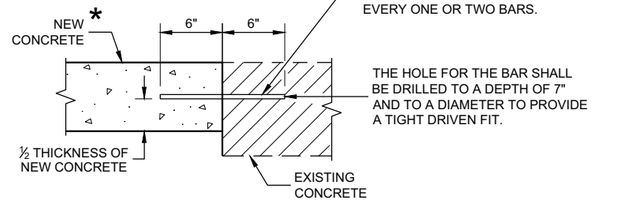
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



PLAN VIEW

*EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

(For Optional use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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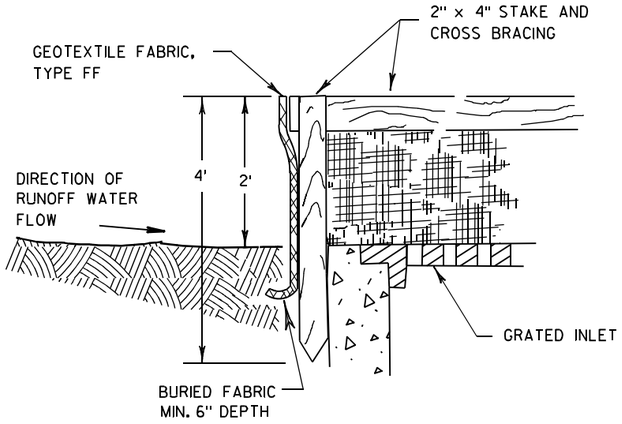
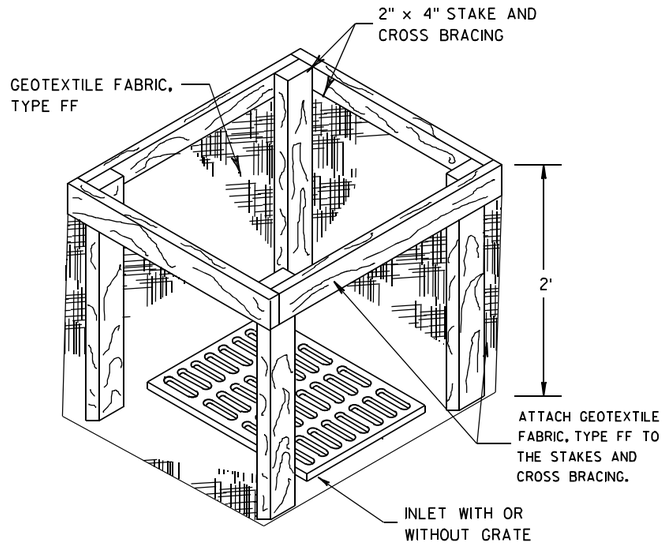
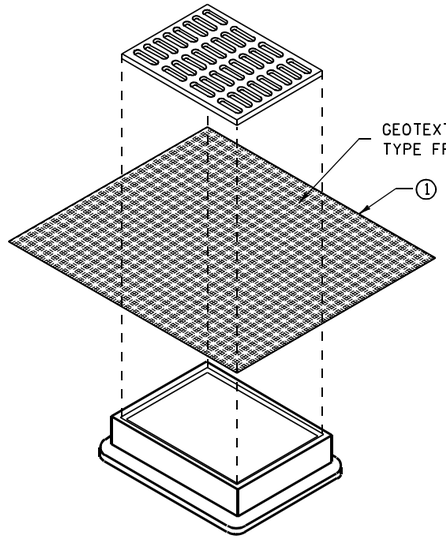
SDD 08D16 - 11



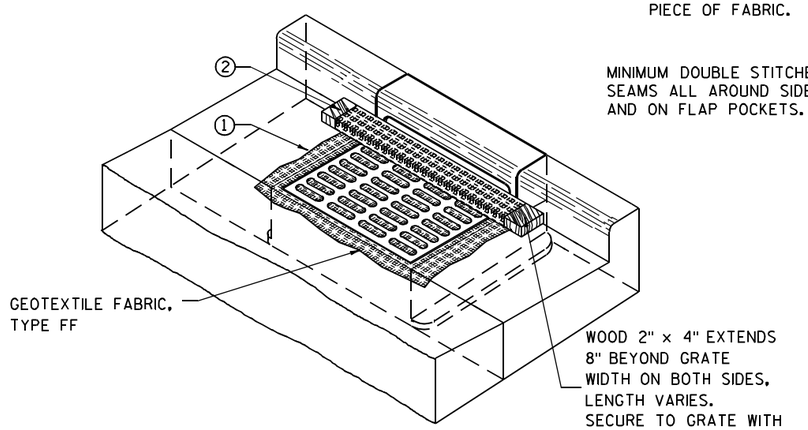


INLET PROTECTION, TYPE A

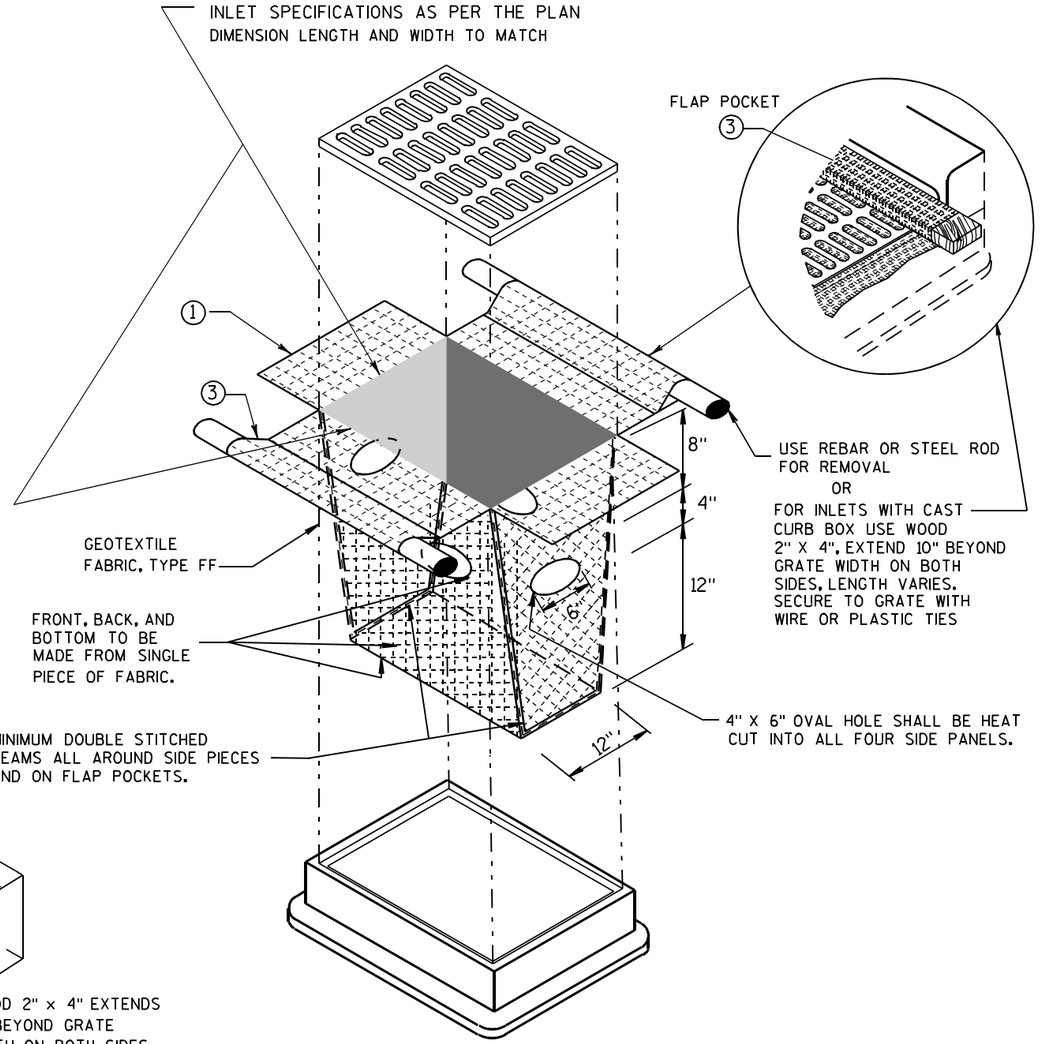


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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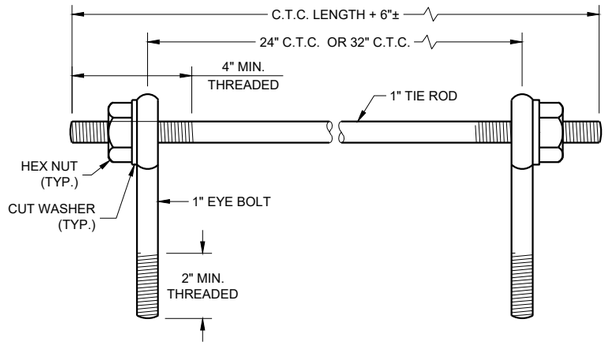
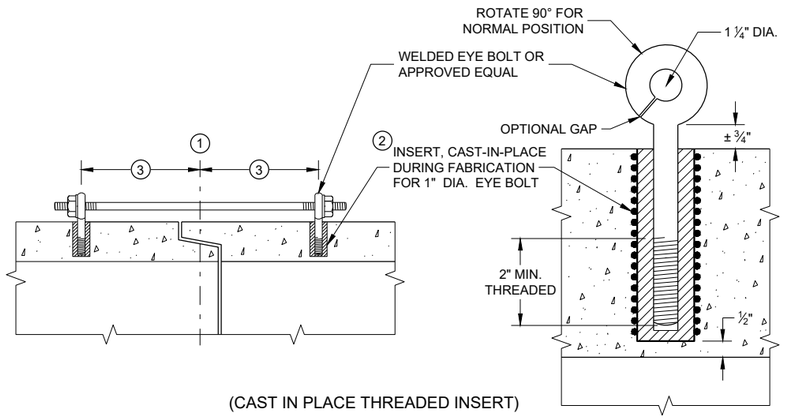
S.D.D. 8 E 10-2



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

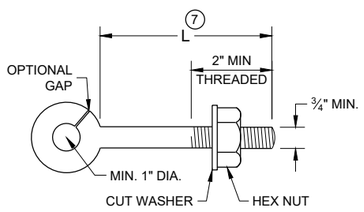
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

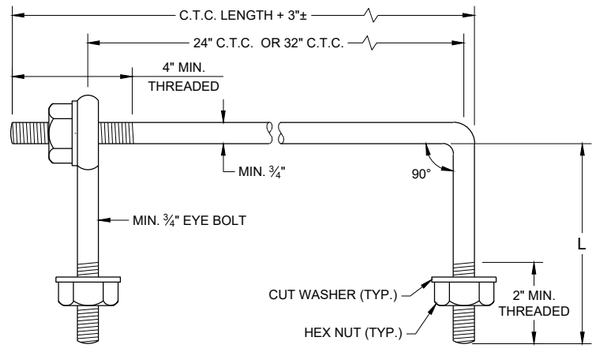
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

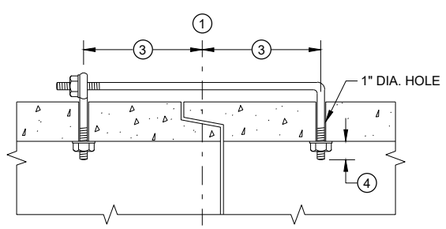


EYE BOLT (7)

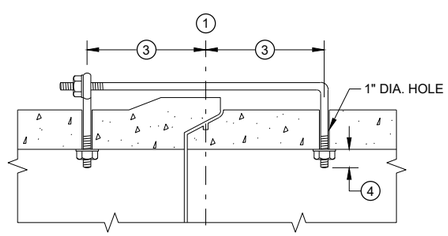
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

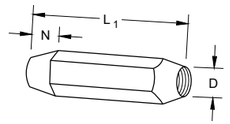
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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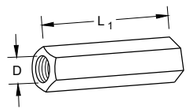
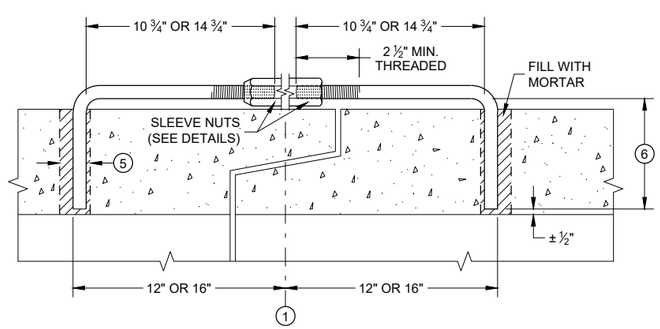


PLAIN

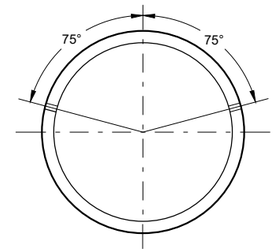
RIGHT AND LEFT THREADS

SLEEVE NUTS



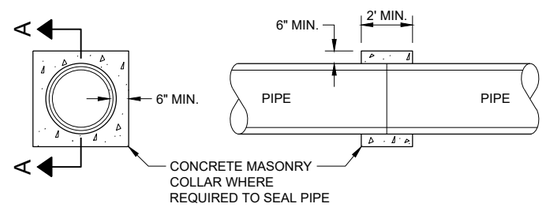
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

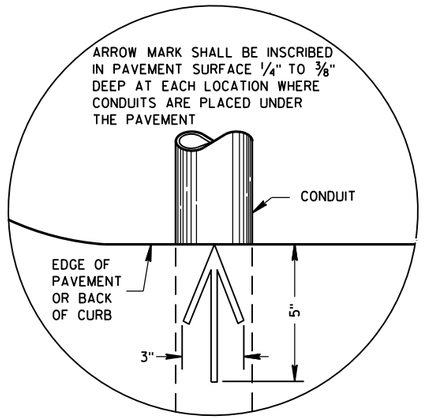
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

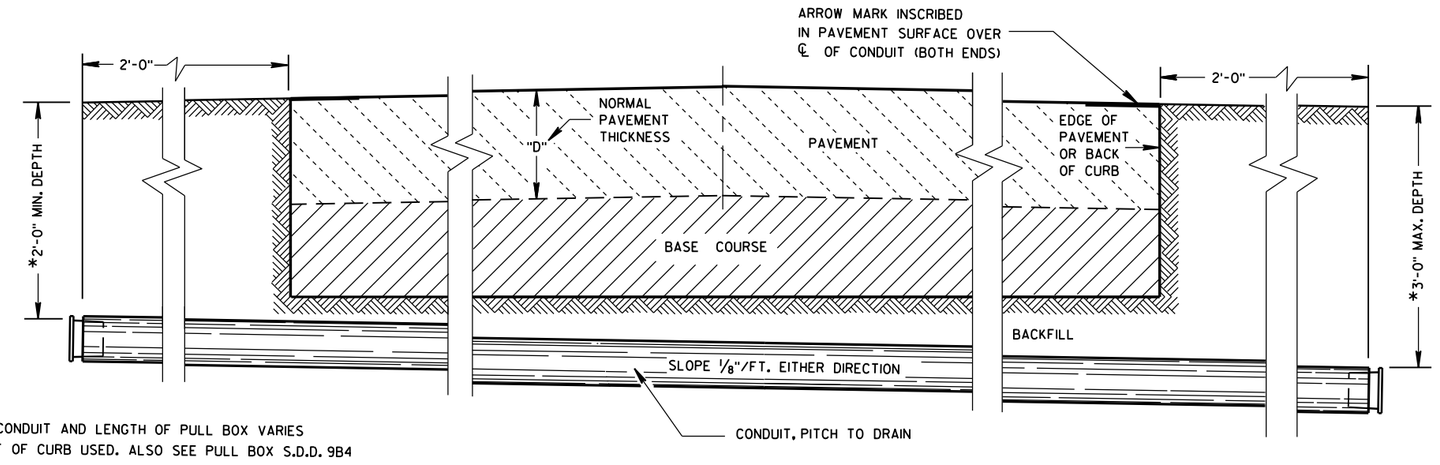
SDD 08F04 - 08

SDD 08F04 - 08



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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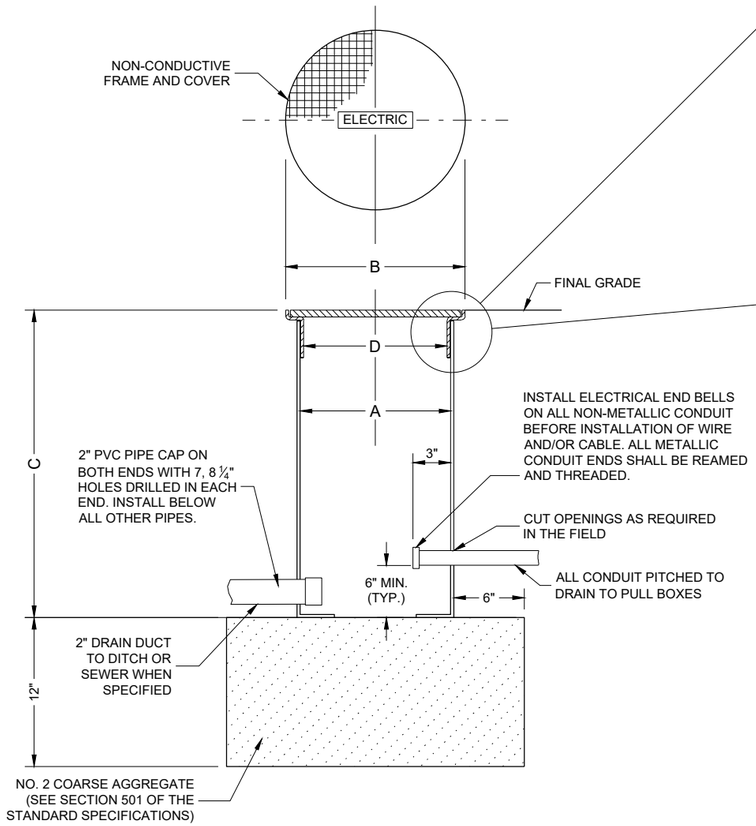
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

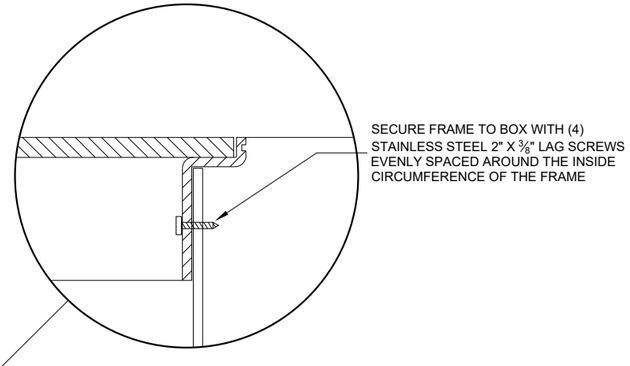
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

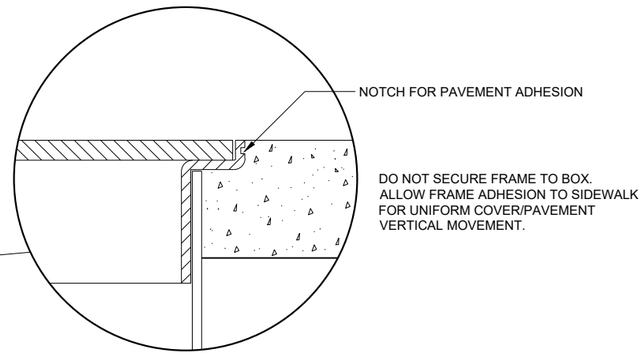
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



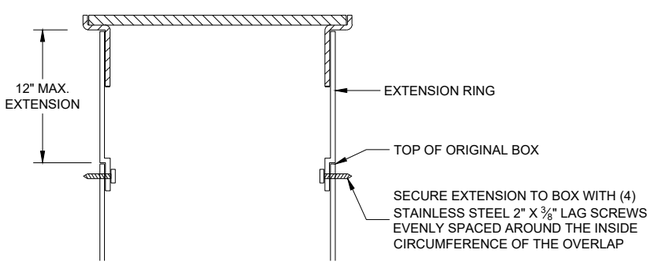
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

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

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

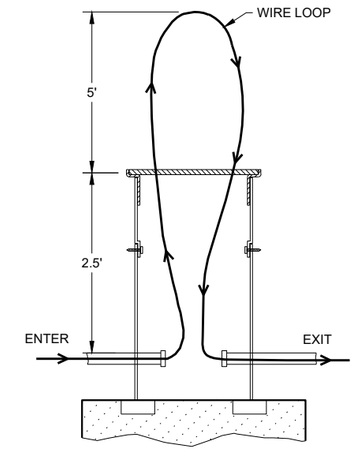
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

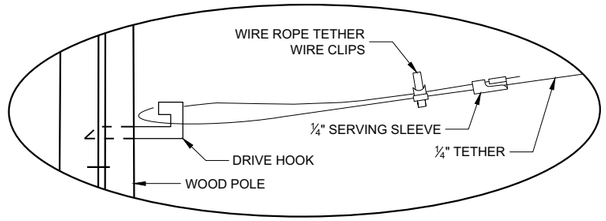
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

6

SDD 09B16 - 02

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

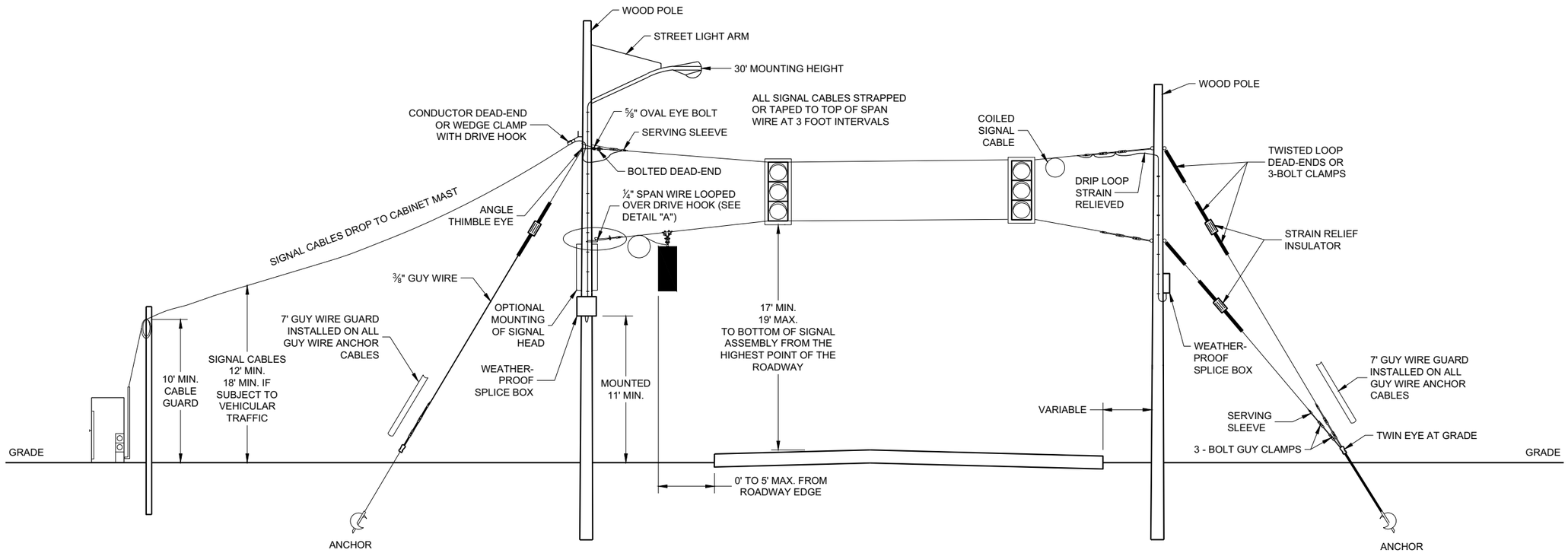


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — STATE ELECTRICAL ENGI
200

FHWA

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SDD09G01 - 04a

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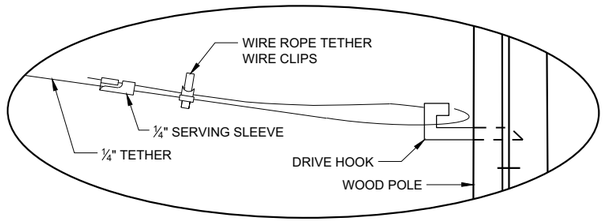
SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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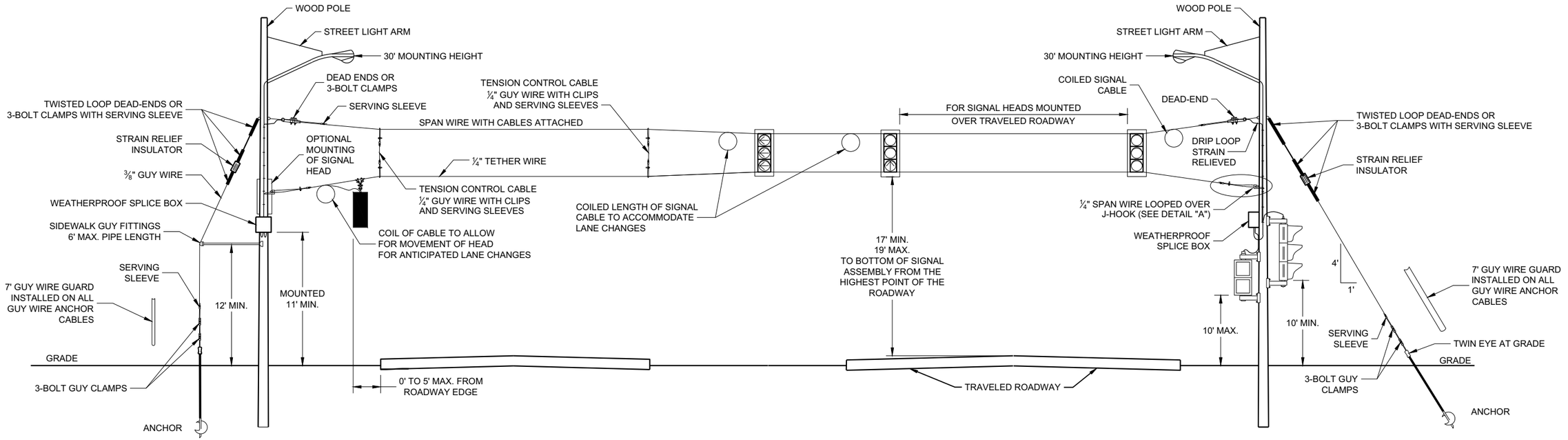
   - E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

3. SPAN WIRE:
   - A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   - B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   - 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

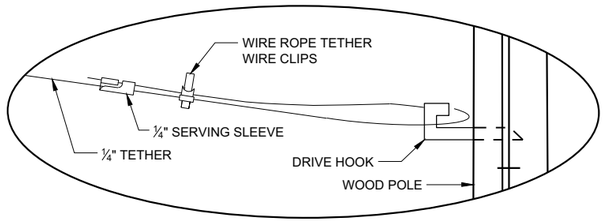
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

6

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'



DETAIL "A"

GENERAL NOTES

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

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   - 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.
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   - B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
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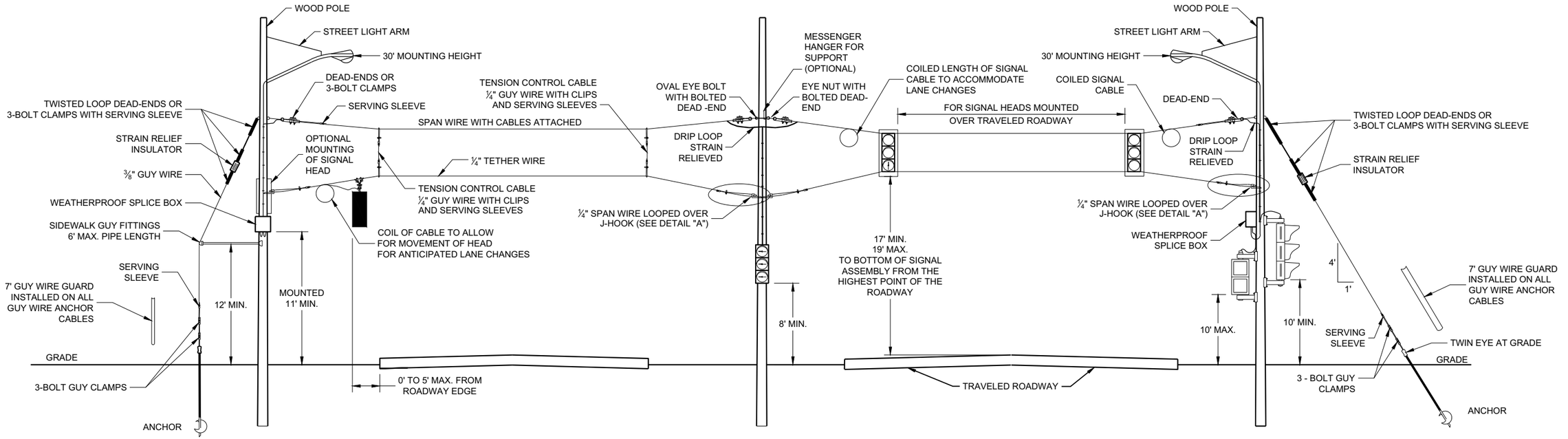

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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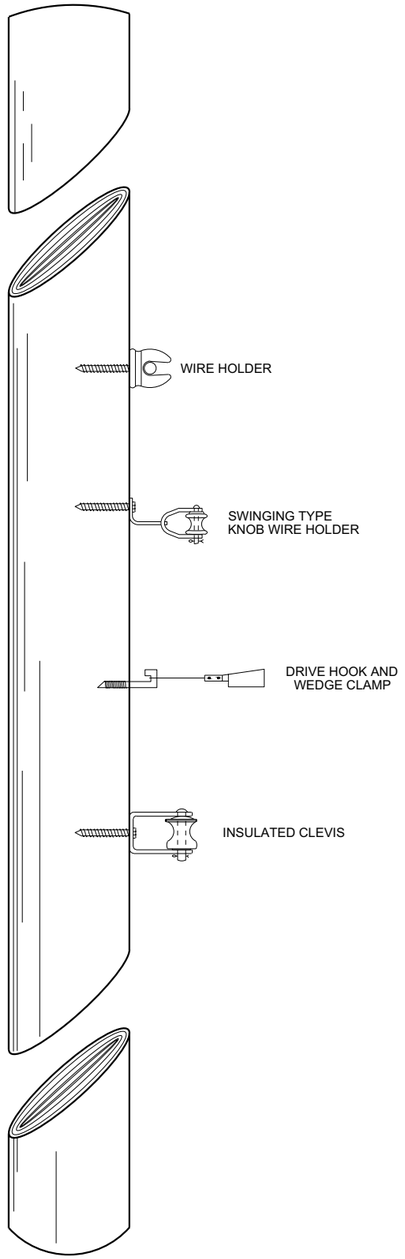
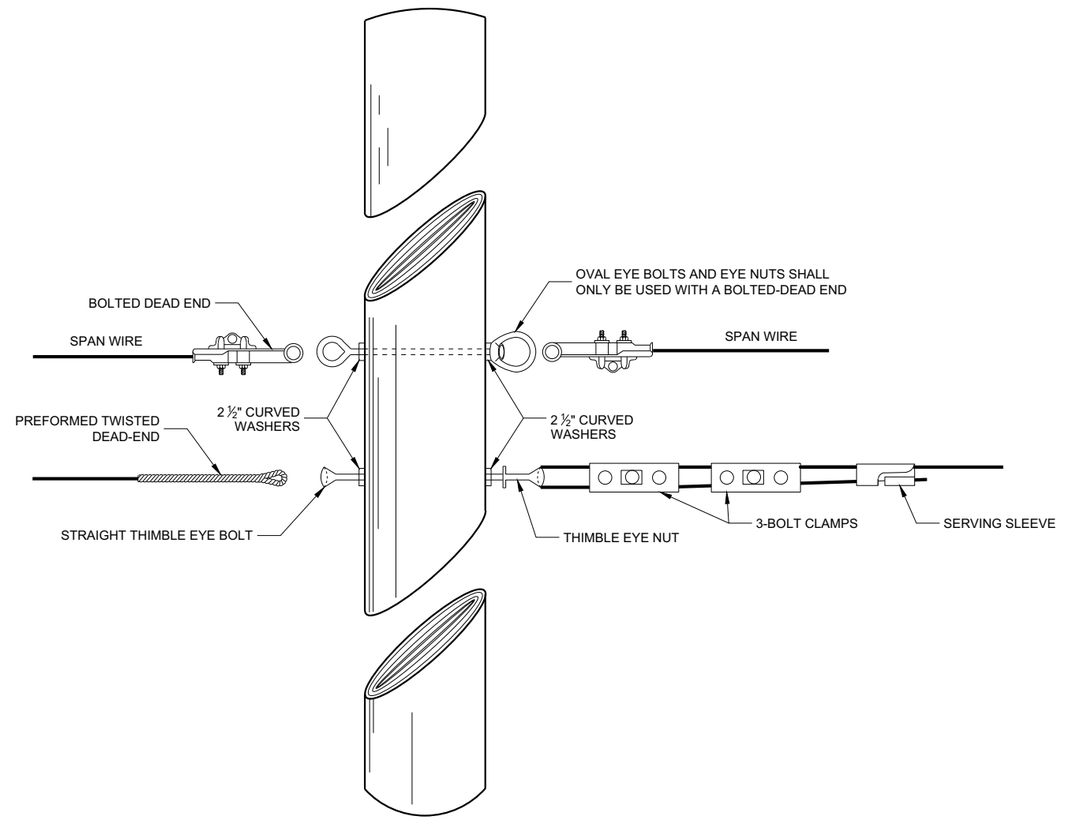
SDD09G01 - 04c
SDD09G01 - 04c





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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

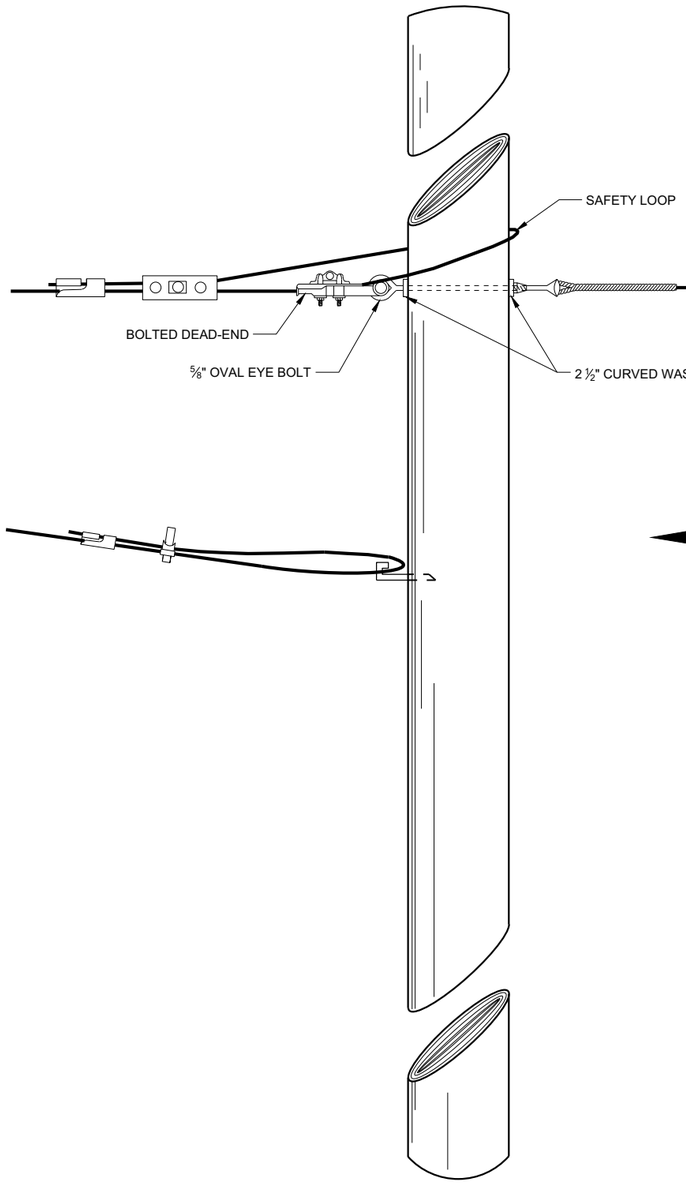
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

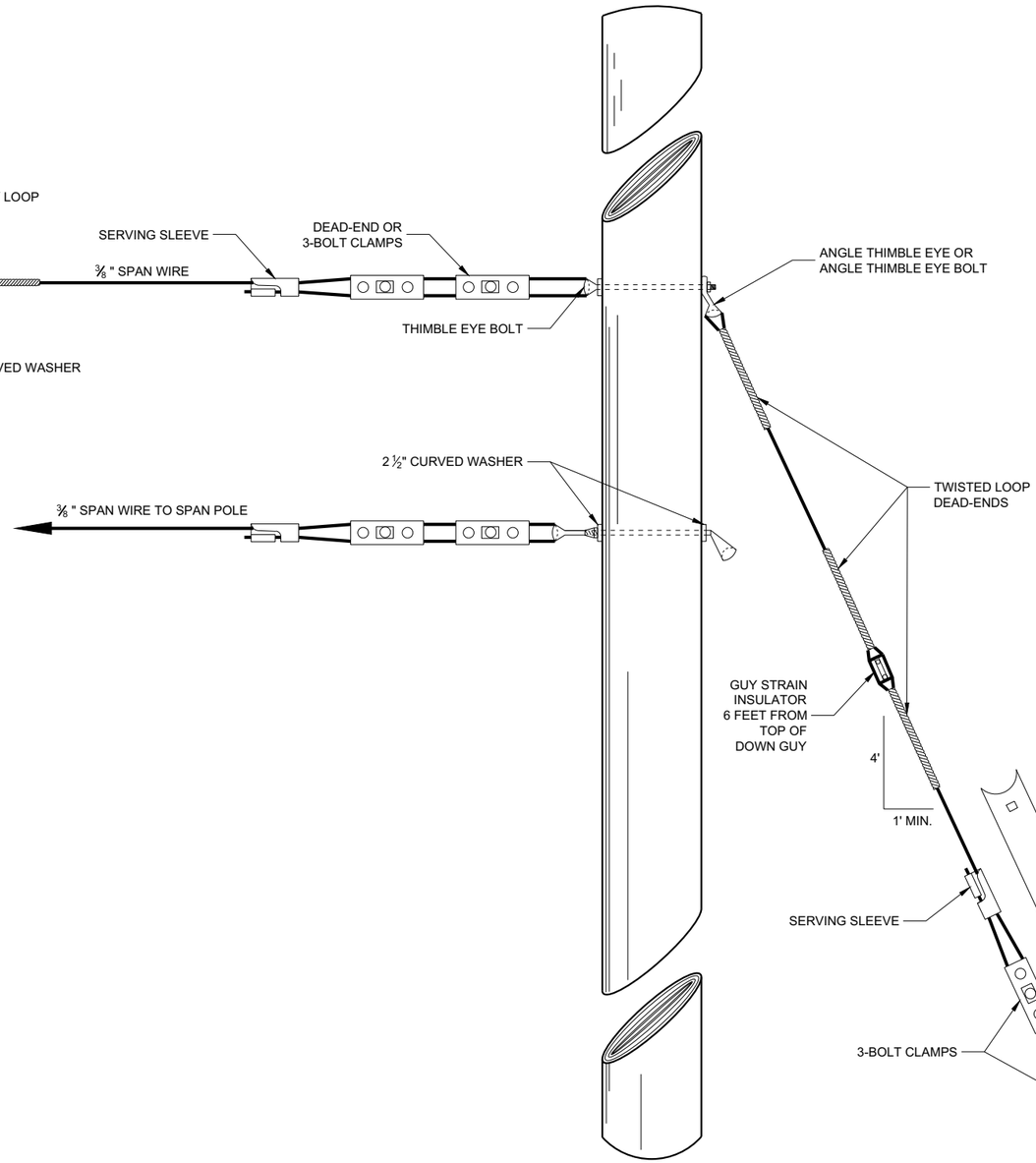
FHWA

GENERAL NOTES

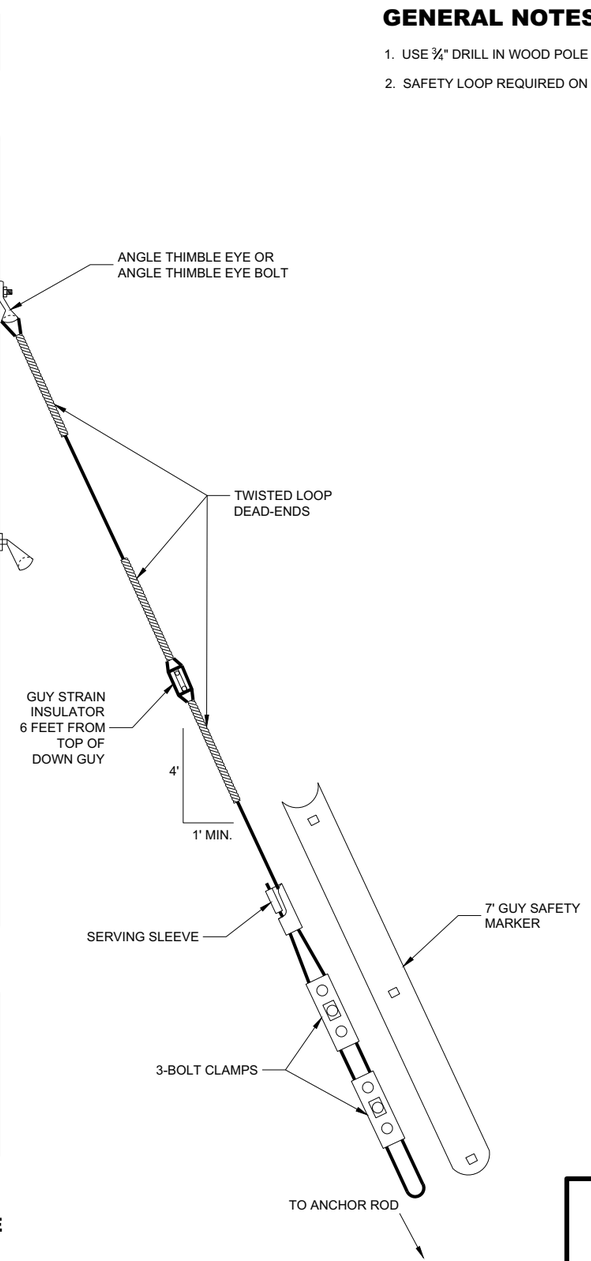
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



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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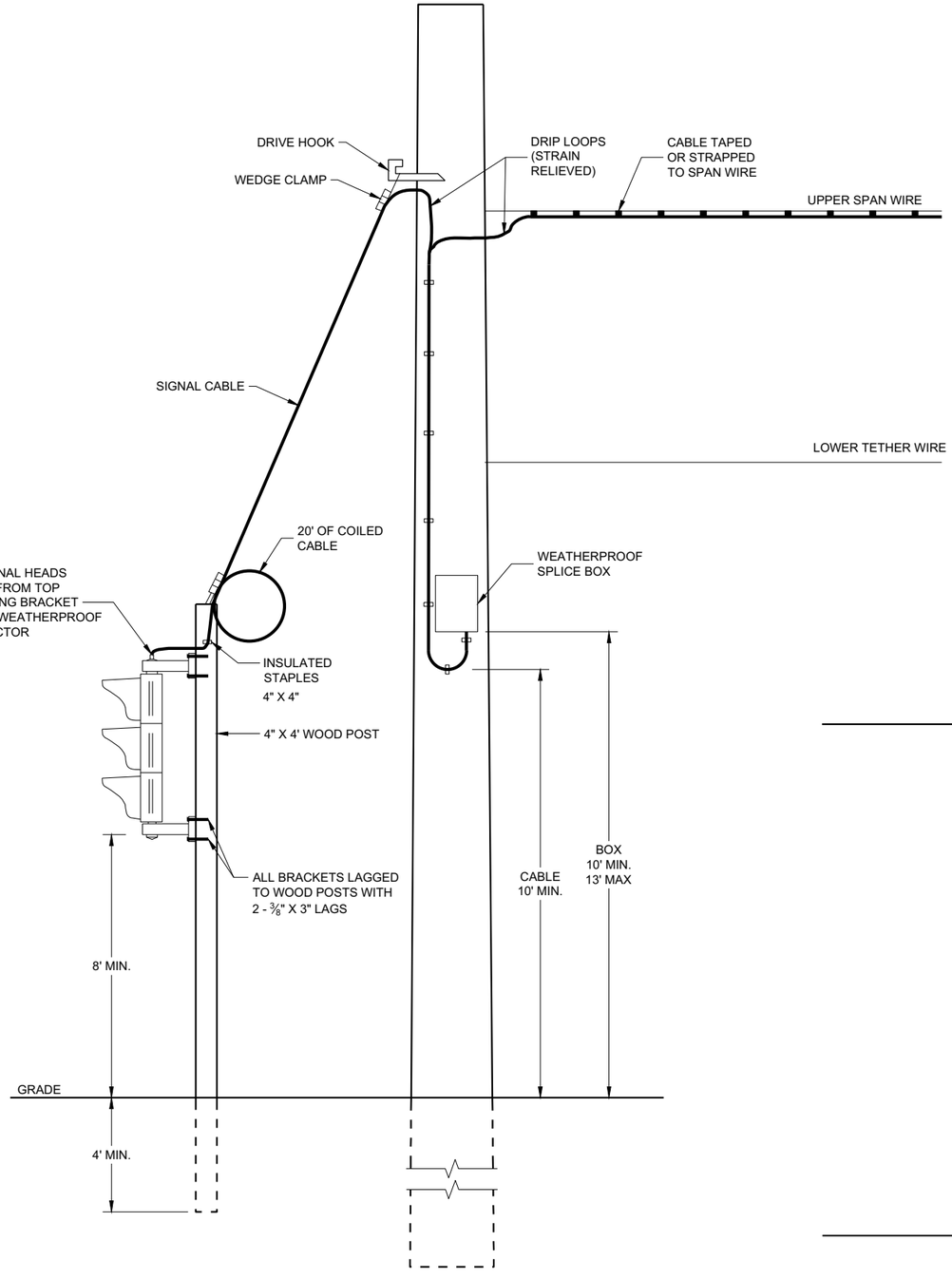
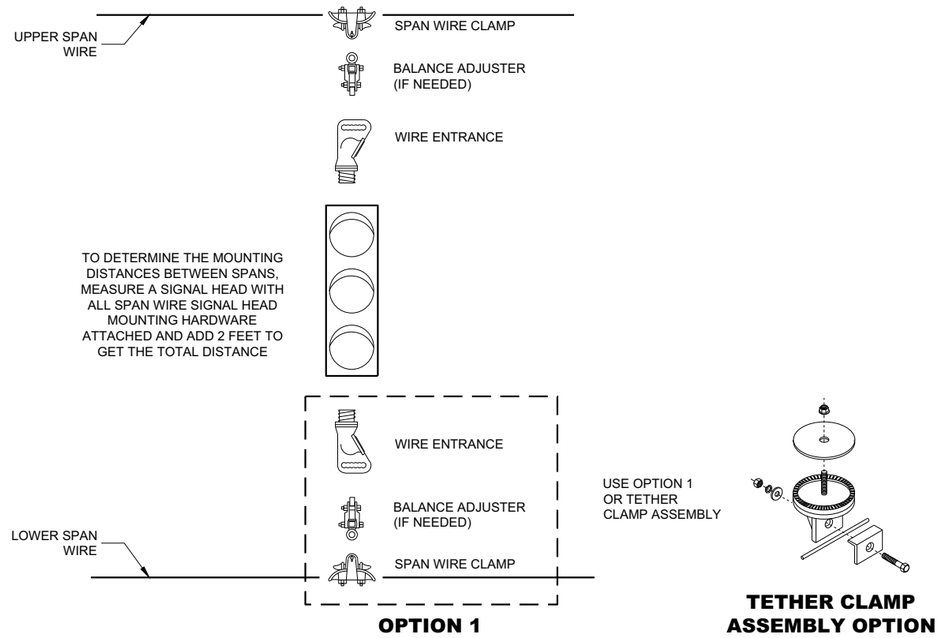
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

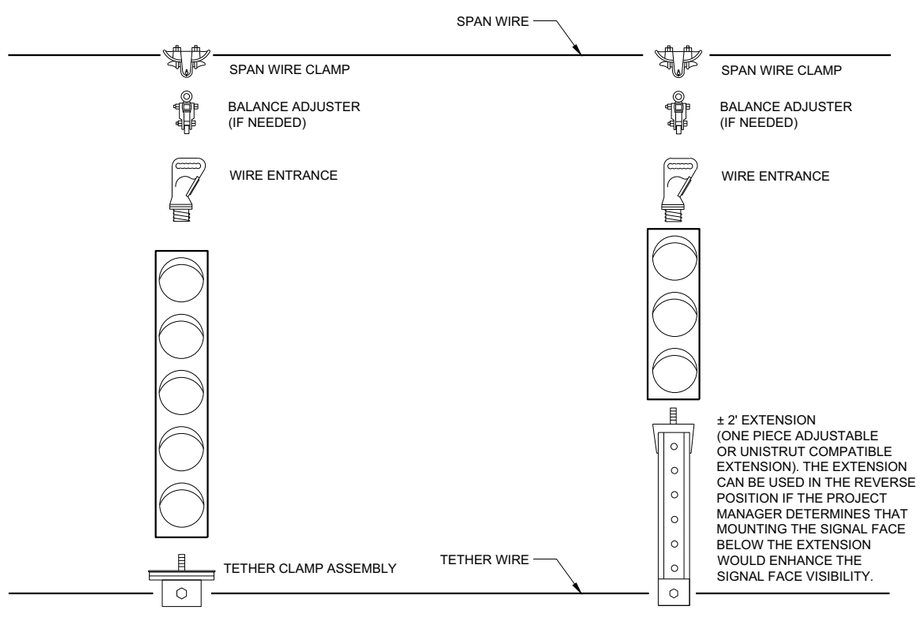


OPTION 1

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

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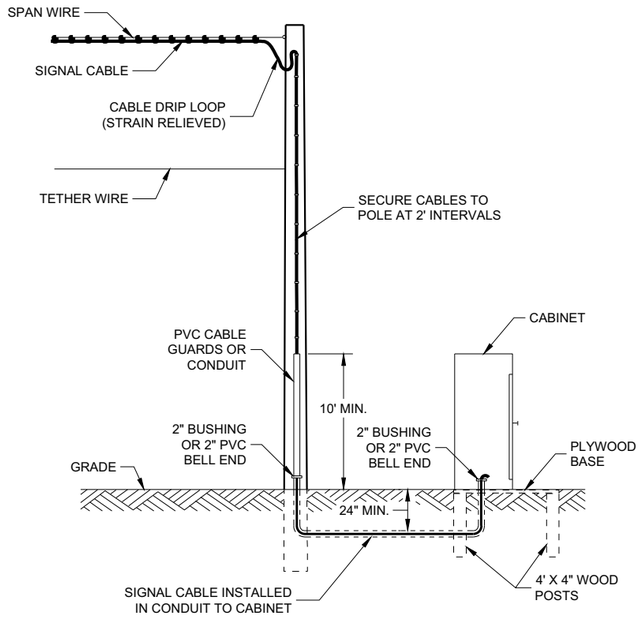

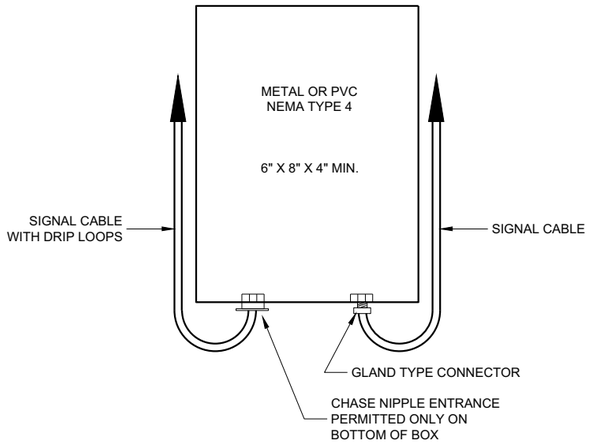

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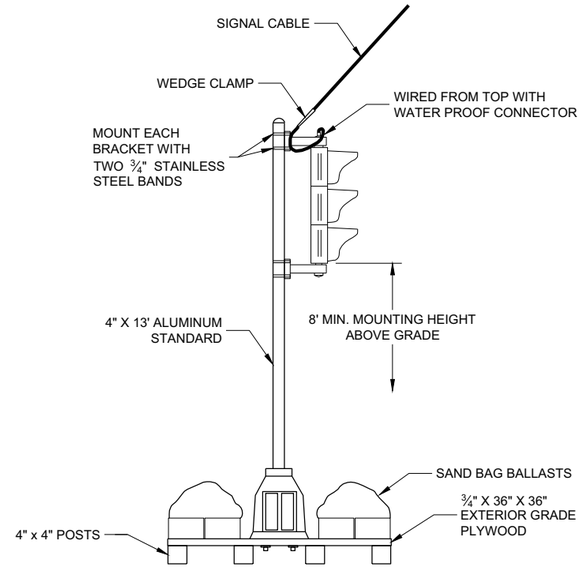
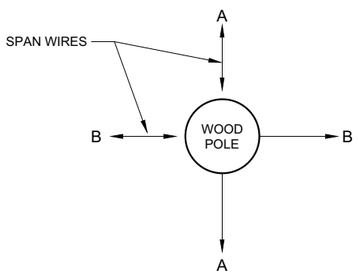
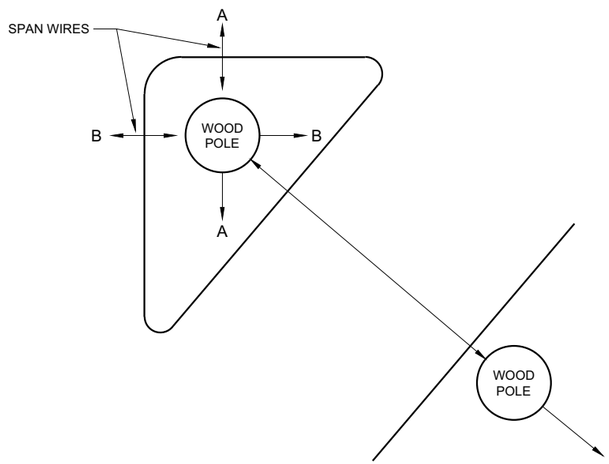


TYPICAL SKID TYPE TEMPORARY

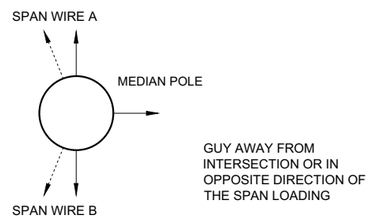


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

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

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June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE
ENGINEER

FHWA

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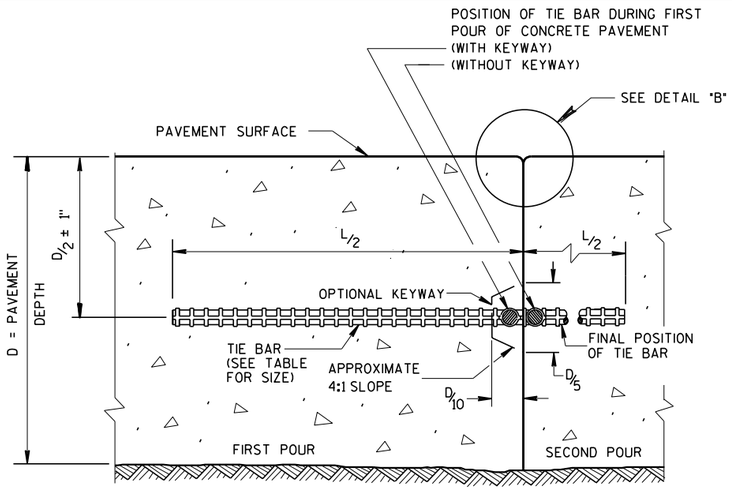
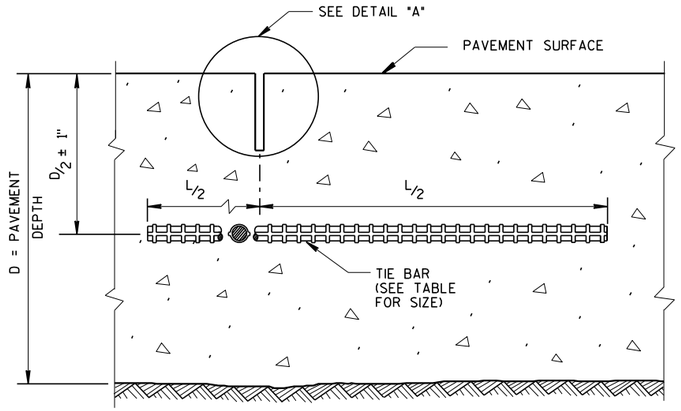


CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPE

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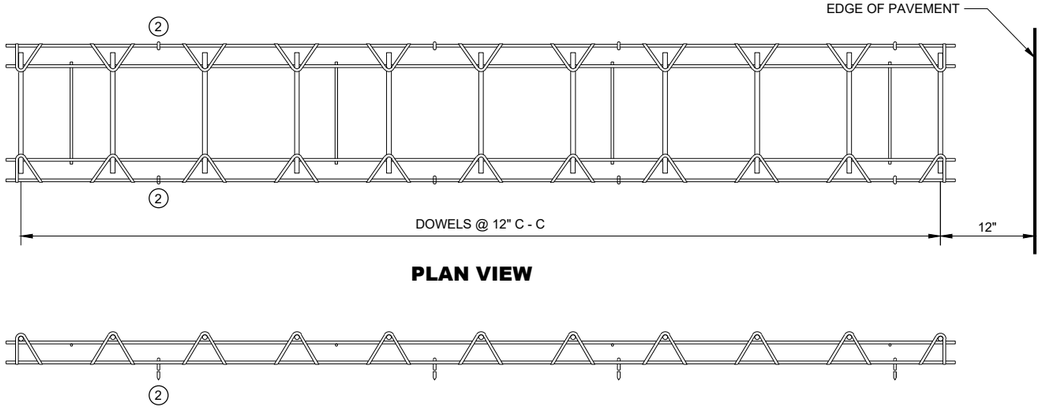
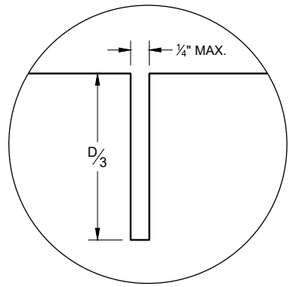


PLAN VIEW

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.

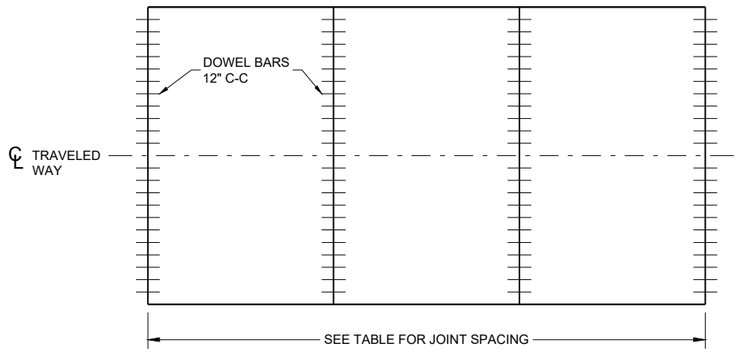
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

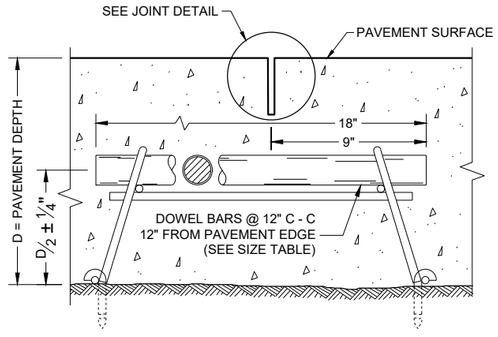
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED 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.



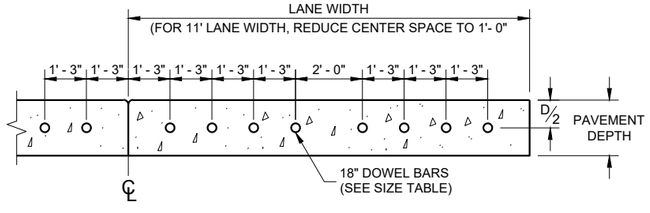
CONTRACTION JOINT LOCATIONS



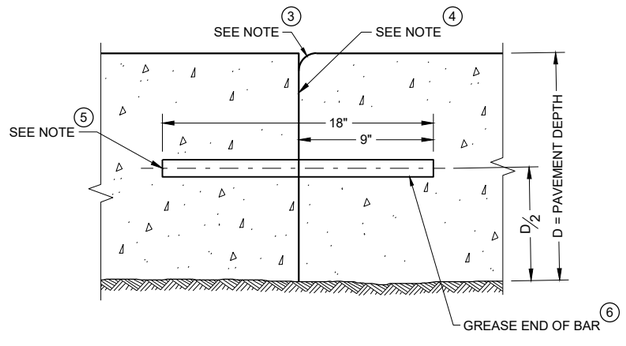
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

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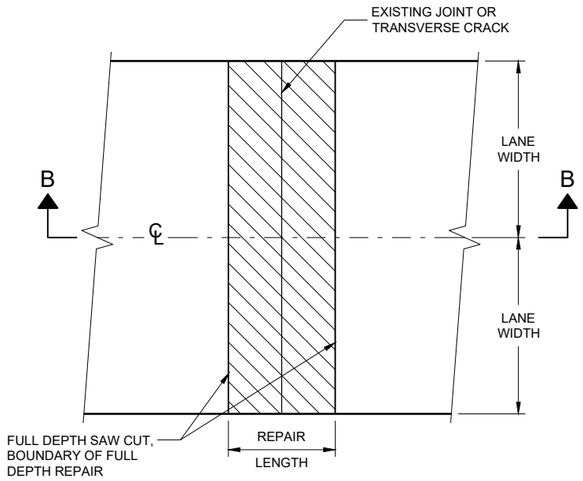
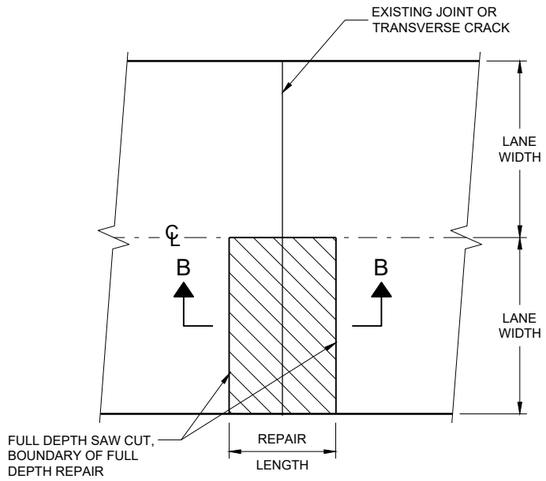


PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

GENERAL NOTES

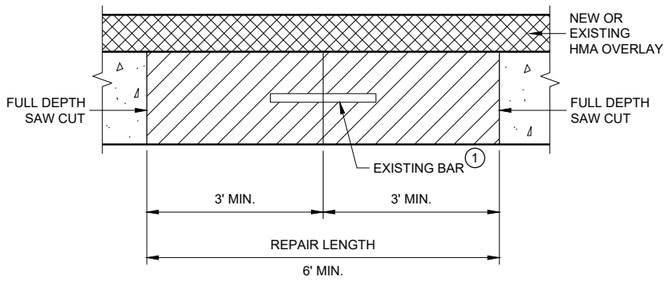
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

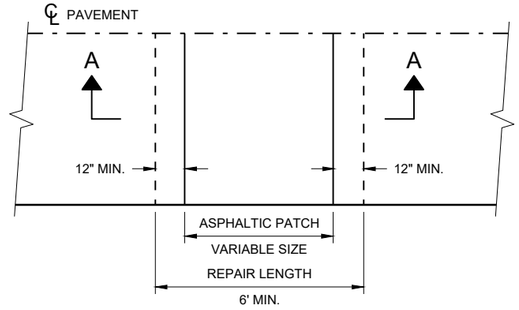
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

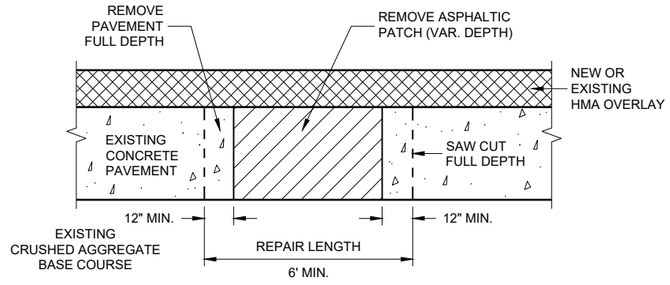
FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



PLAN VIEW



SECTION A - A

HMA PATCH REMOVAL

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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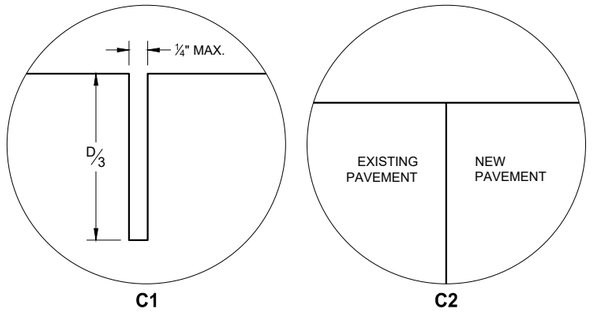
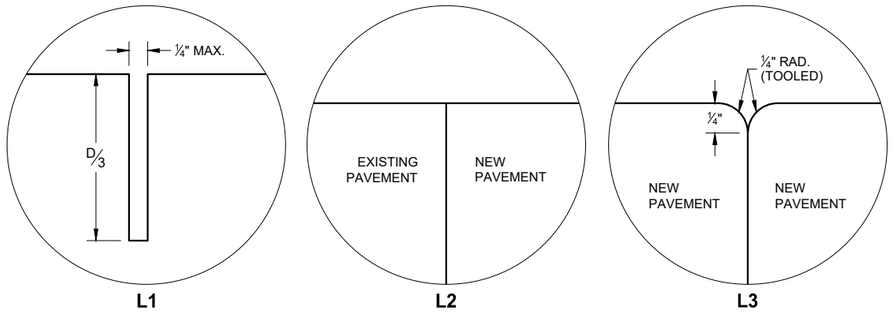
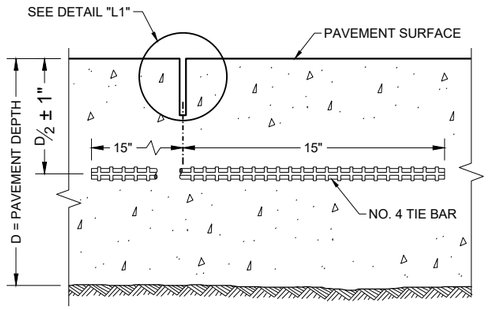


TRANSVERSE JOINTS

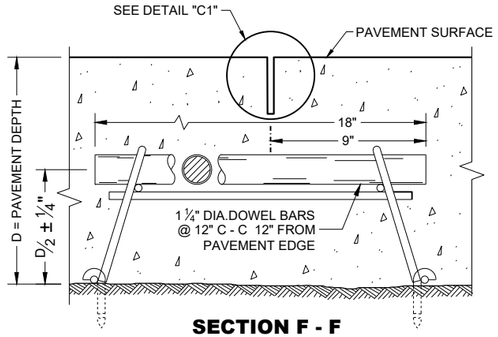


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

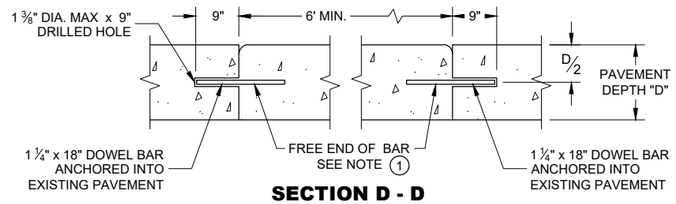
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

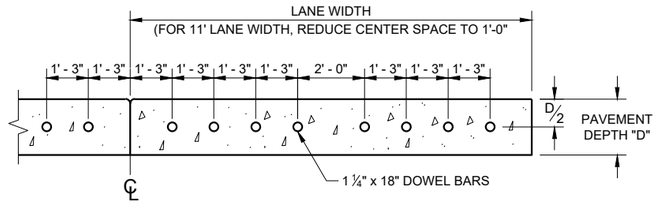
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

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 O EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

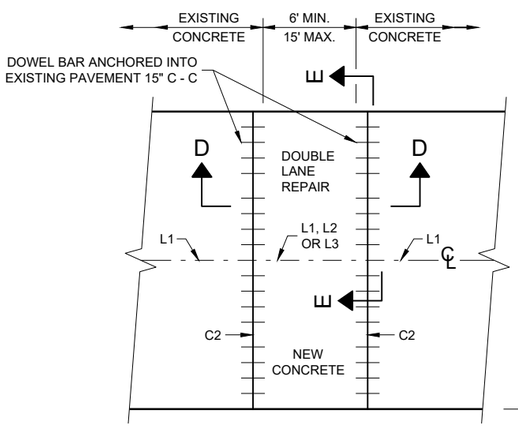


SECTION D - D



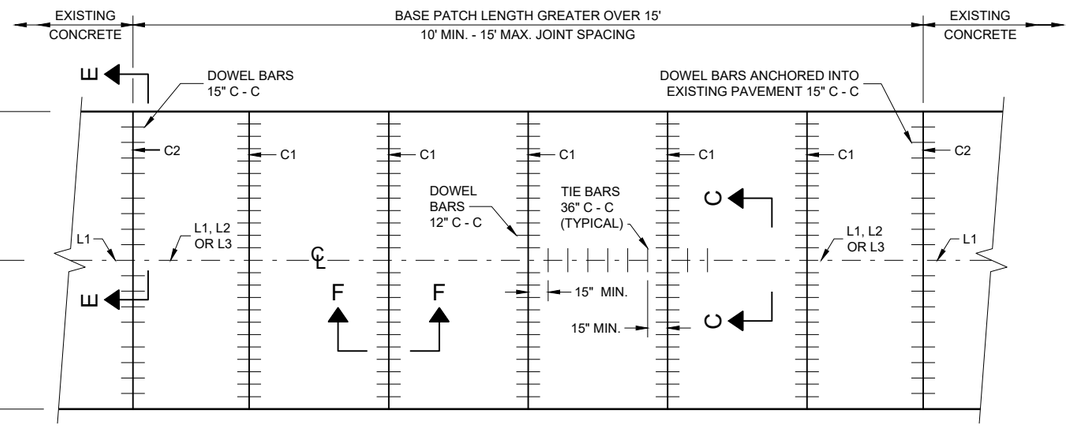
SECTION E - E

SPACING OF DOWEL BARS ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW

MULTILANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

MULTILANE CONCRETE BASE PATCH GREATER THAN 15' IN LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT 210

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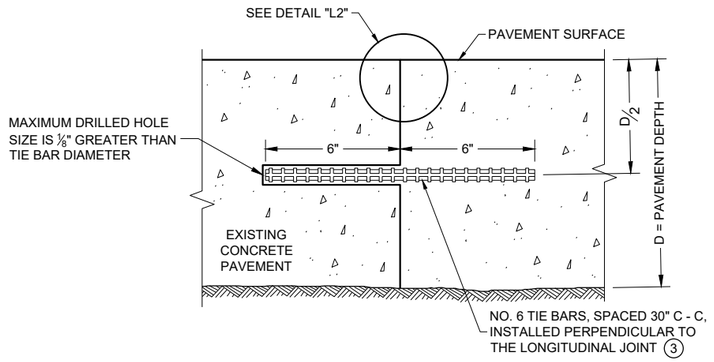
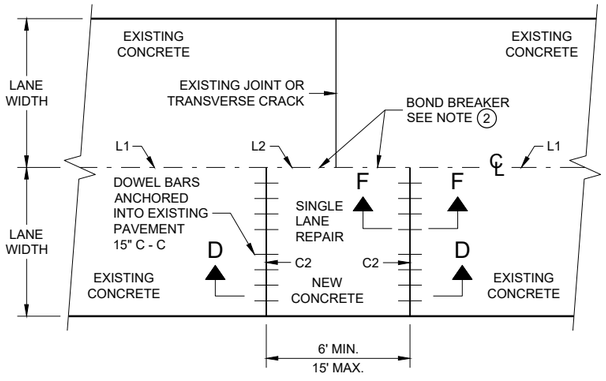


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

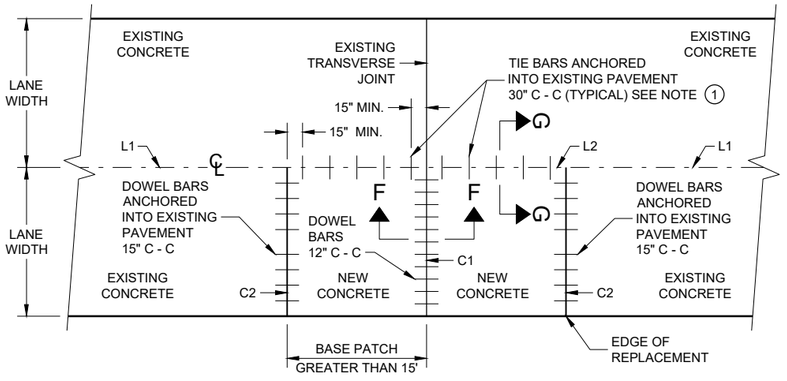
GENERAL NOTES

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 HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

FHWA

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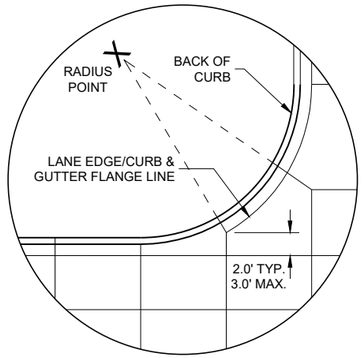
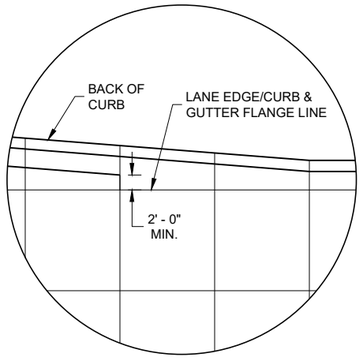
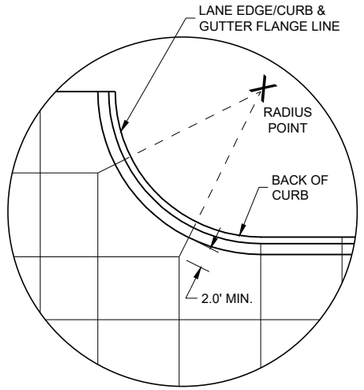


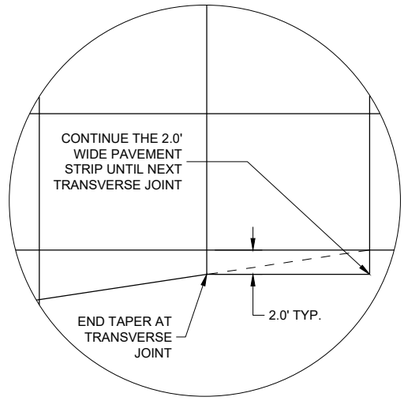
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

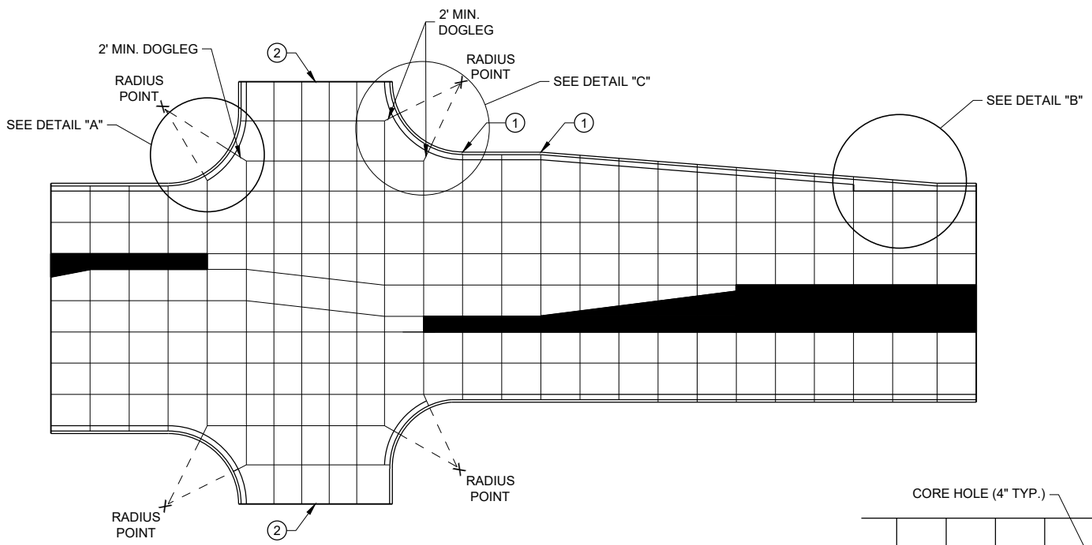
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

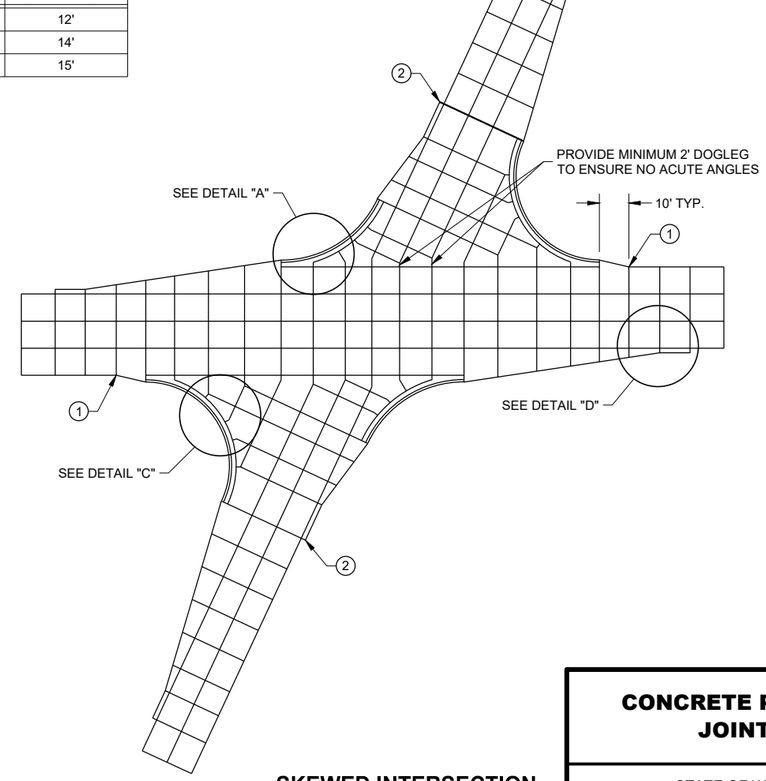
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



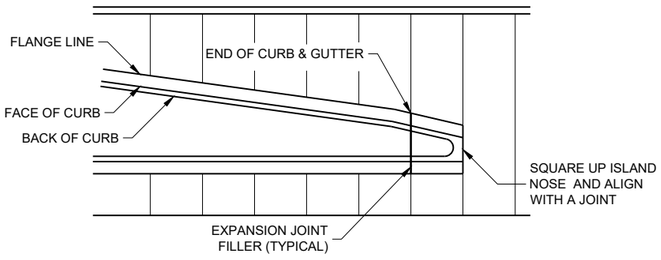
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

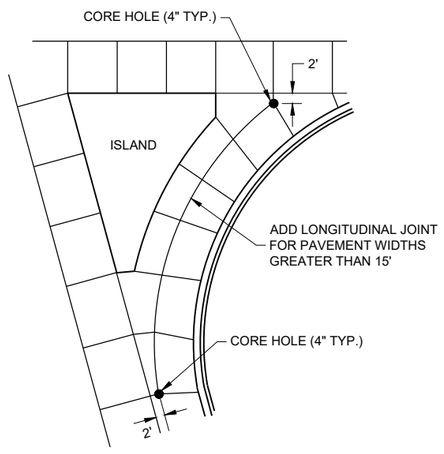
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

6

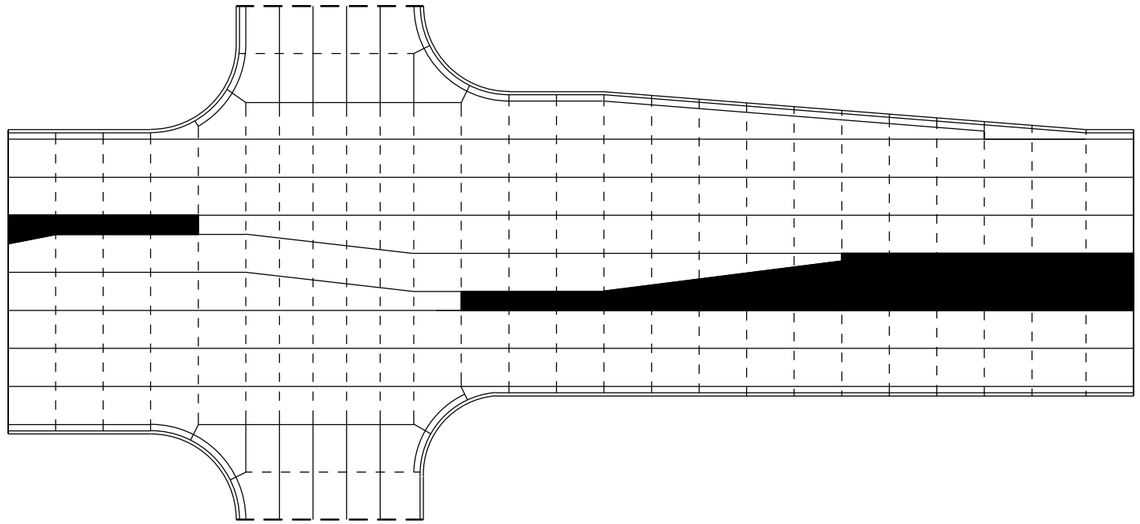
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

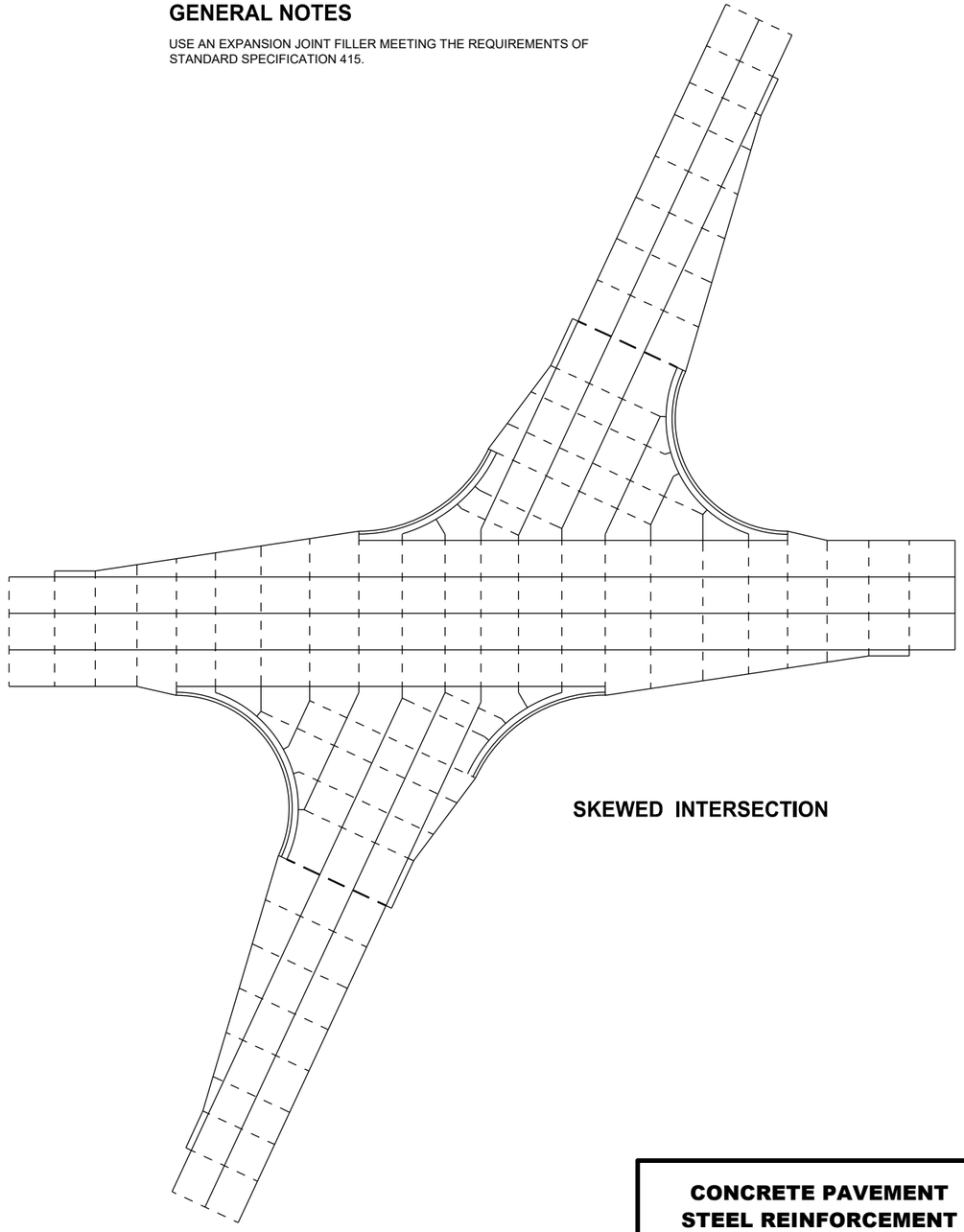
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

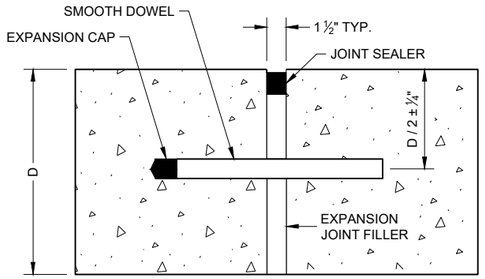
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

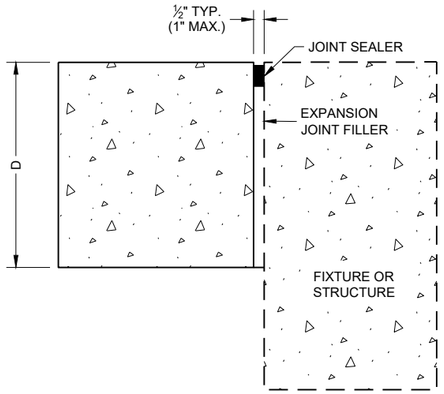
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

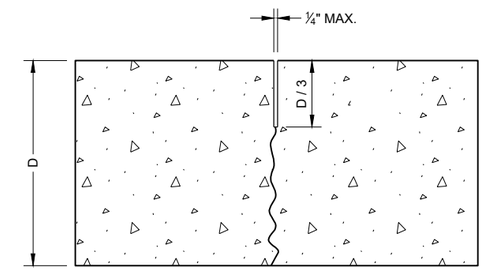
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

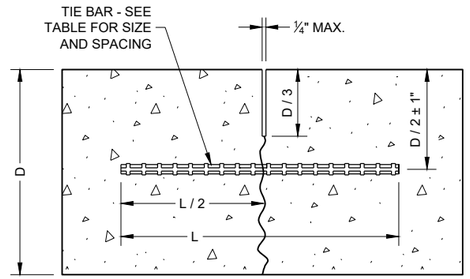
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

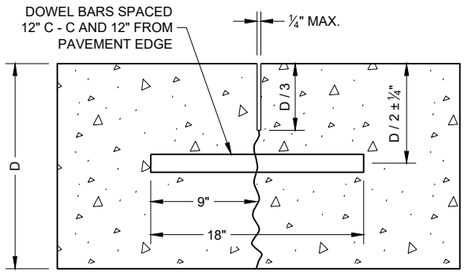
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

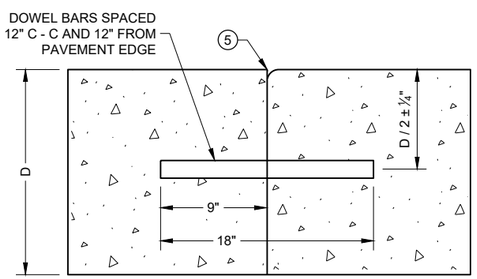


TIED LONGITUDINAL

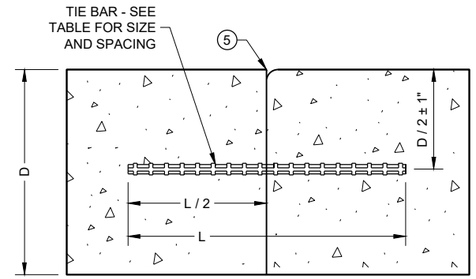


DOWELED TRANSVERSE

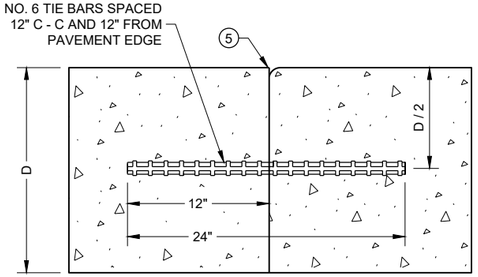
CONTRACTION JOINTS (2)



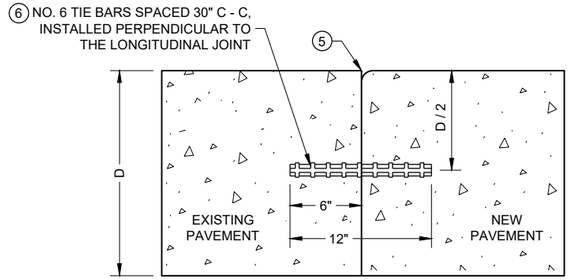
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

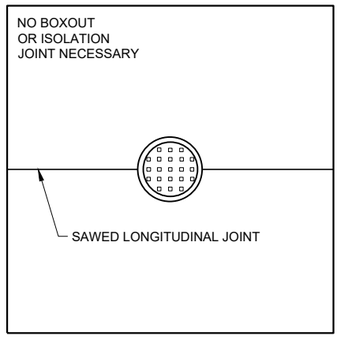
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

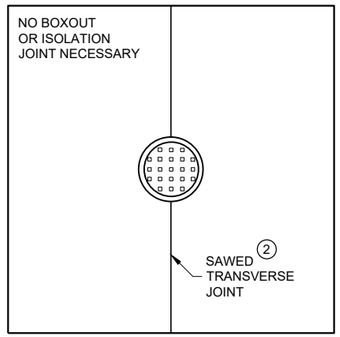
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

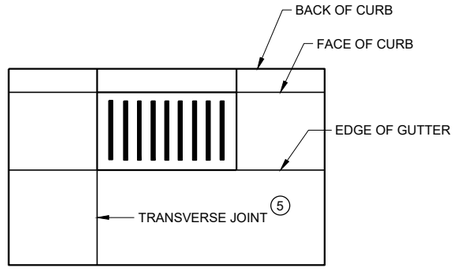
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



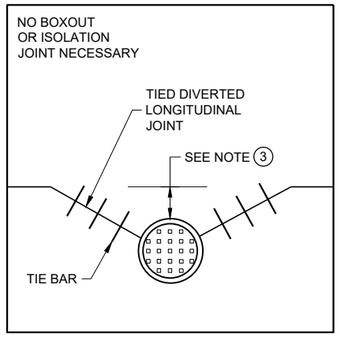
MANHOLE WITH TRANSVERSE JOINT



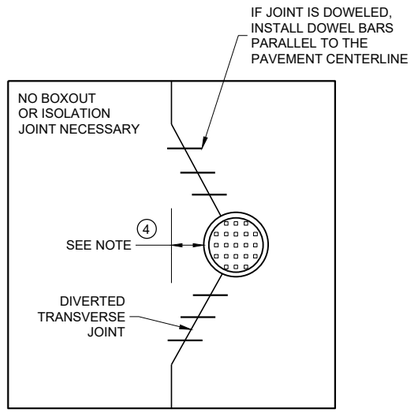
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

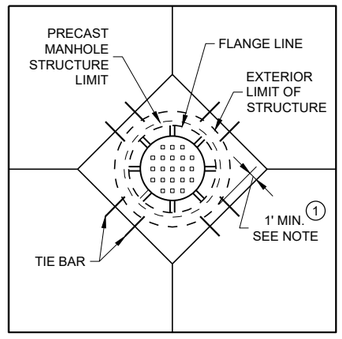
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

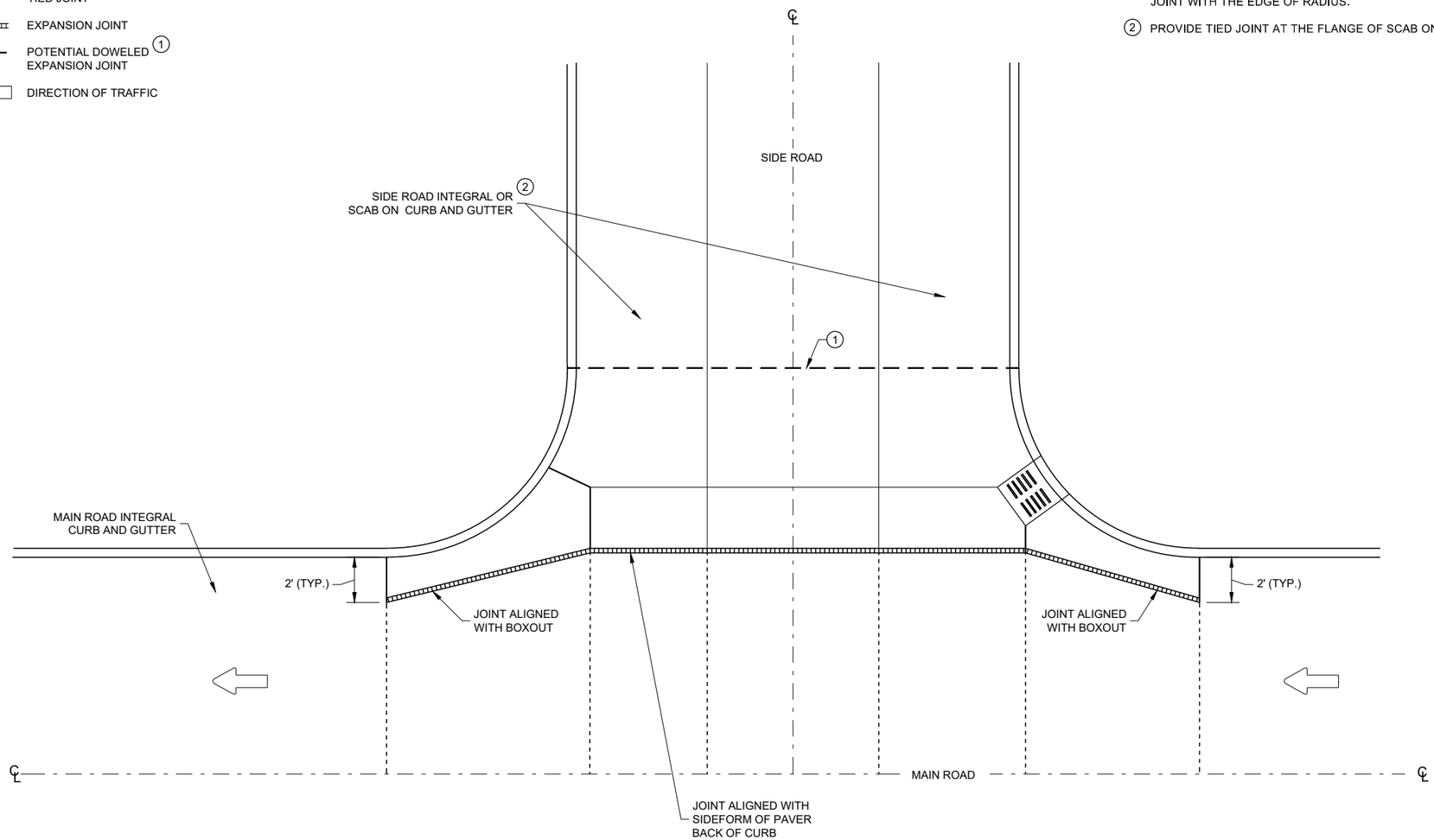
FHWA

6

SDD13C18 - 08d
SDD13C18 - 08d

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
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

6

SDD 13C18 - 08f

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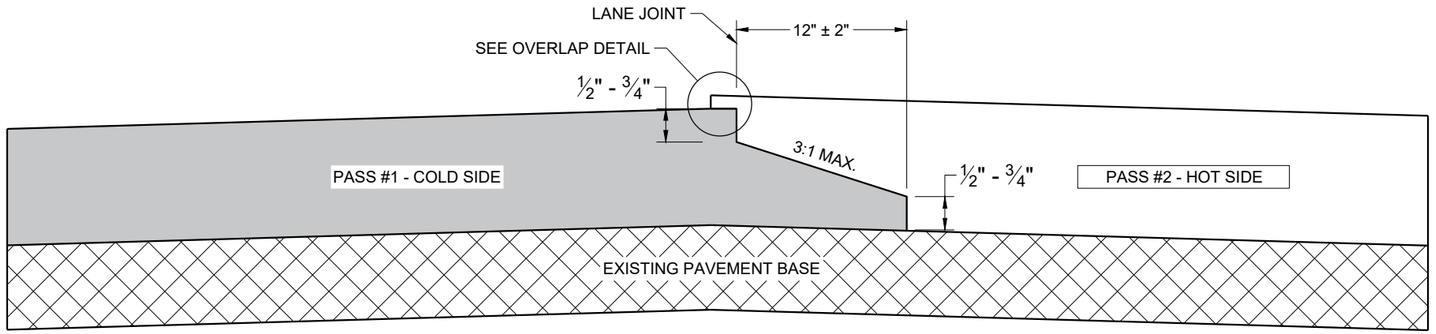
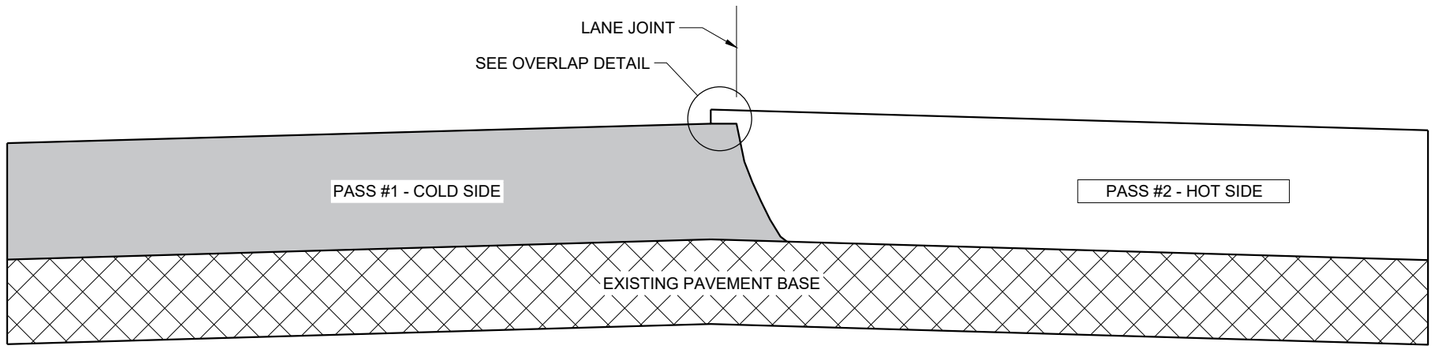
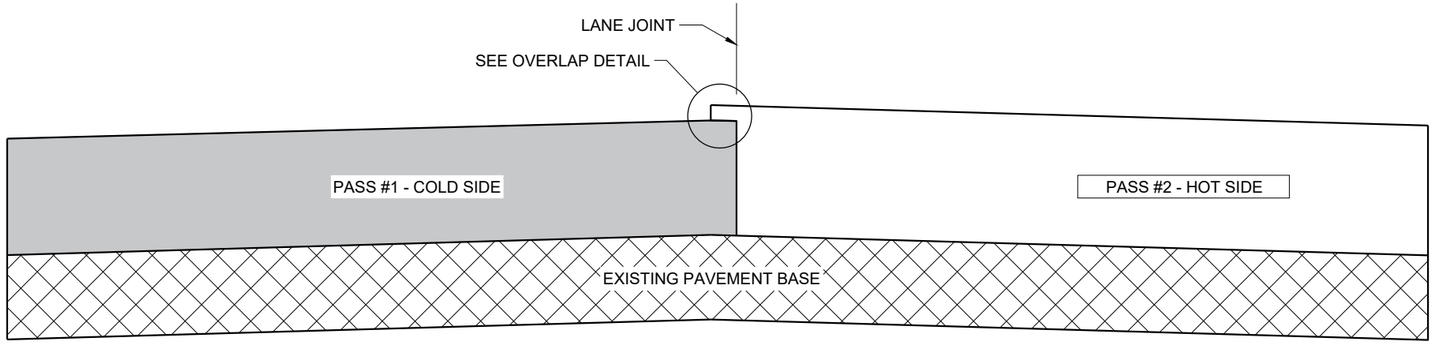
SDD 13C18 - 08f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

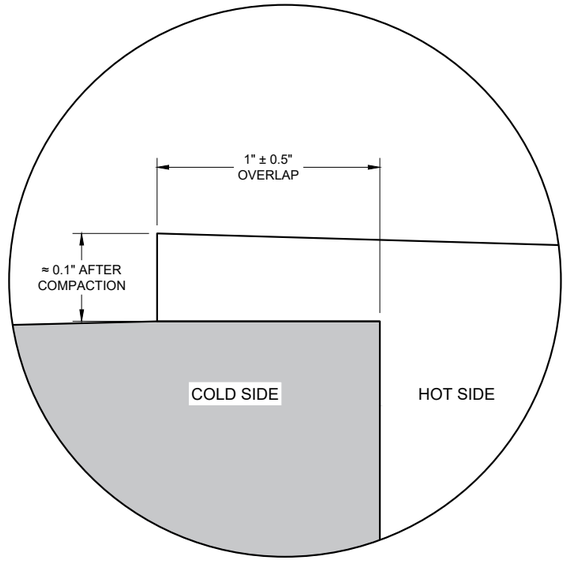
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

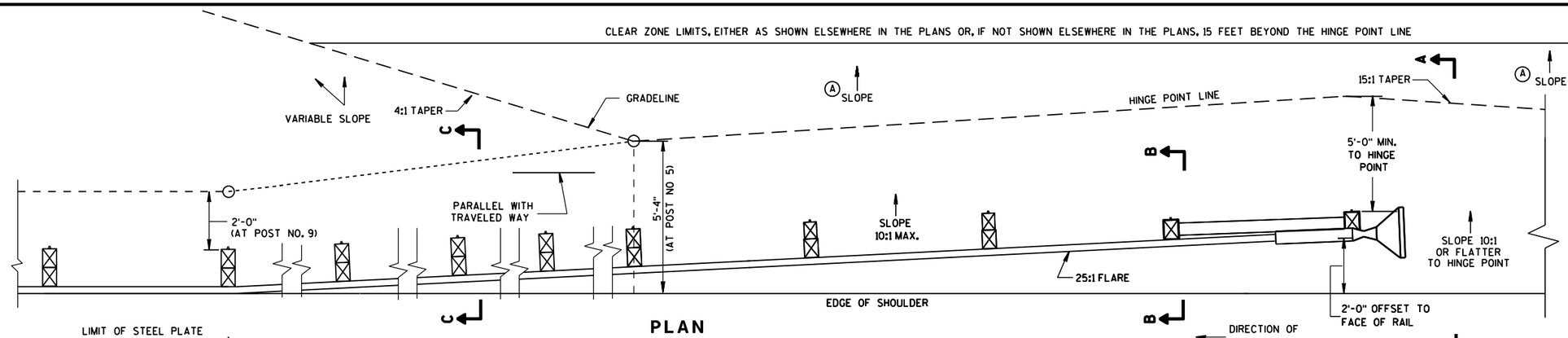
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

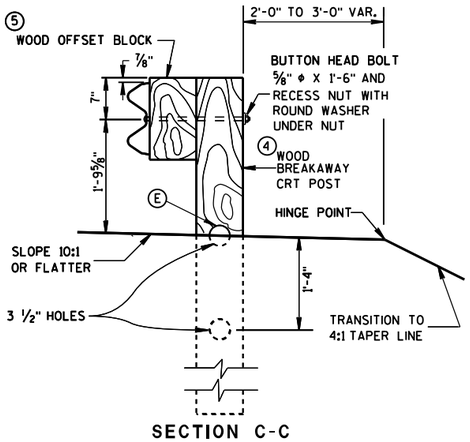
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

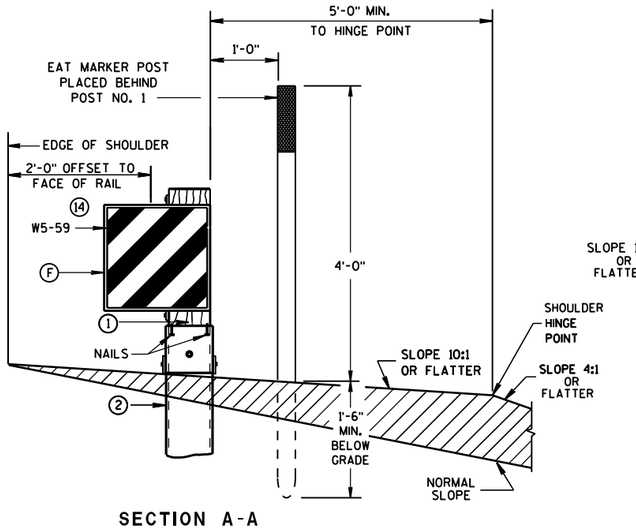
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

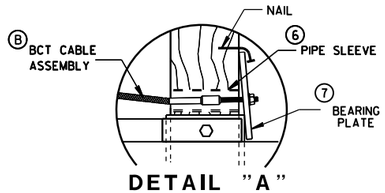
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

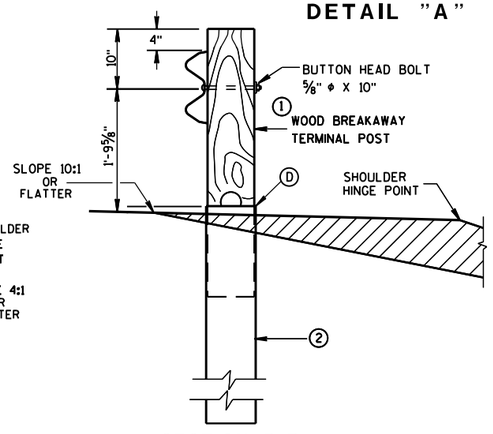
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

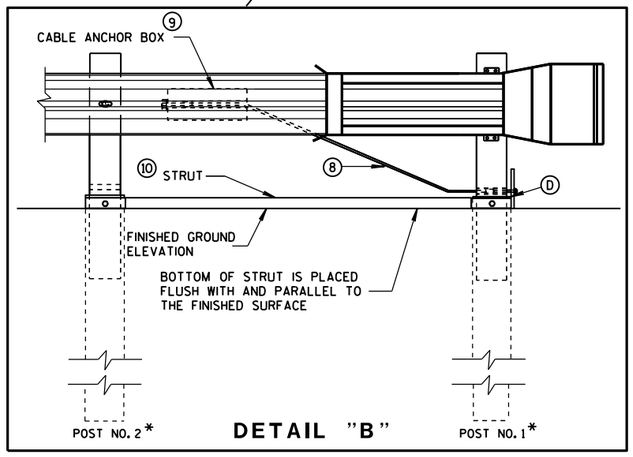










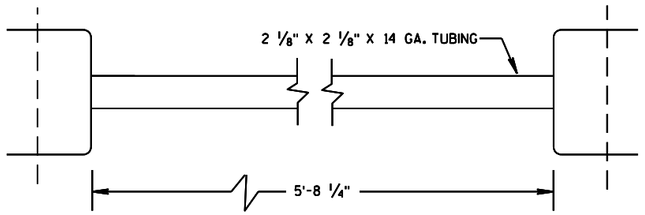


STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

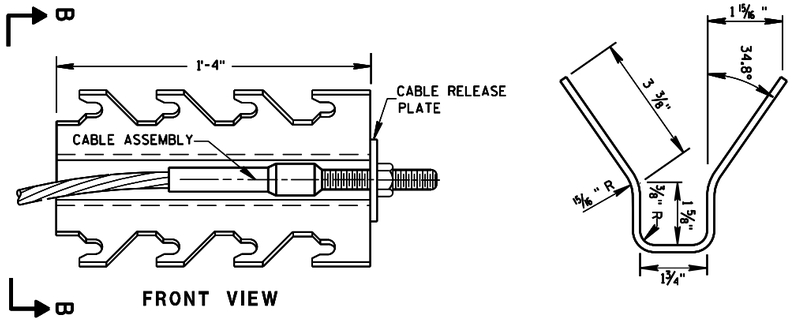
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

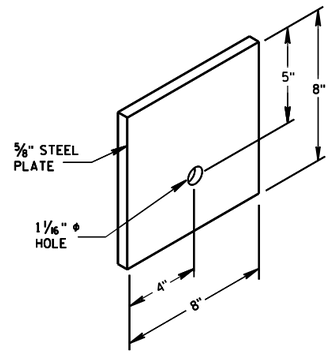
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL



⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

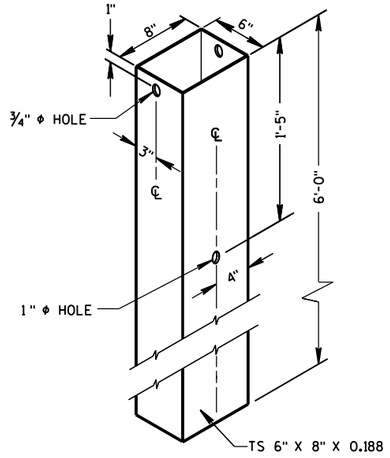
6

S.D.D. 14 B 24-9b

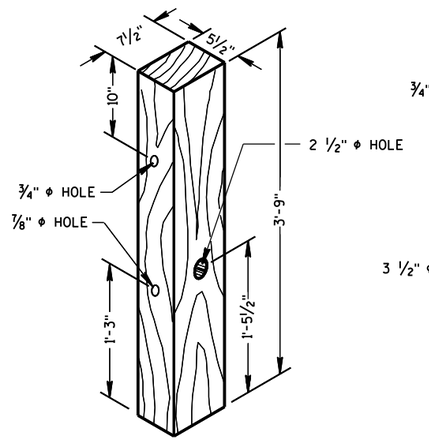
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

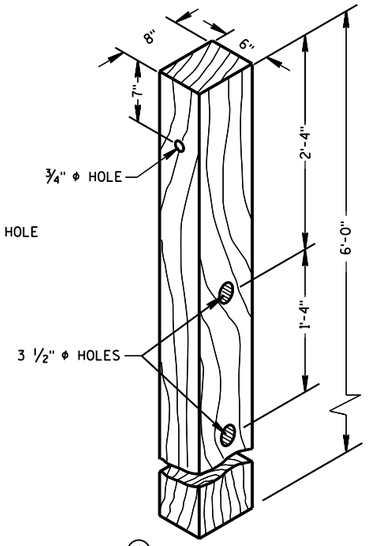
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

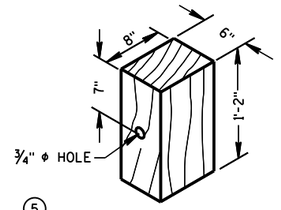


④ CRT POST
(POSTS NO'S 5-8

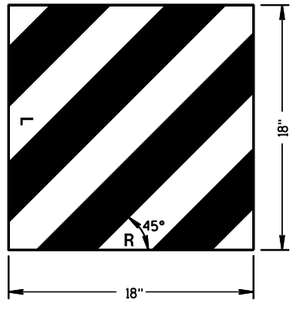
WOOD BREAKAWAY POSTS

GENERAL NOTES

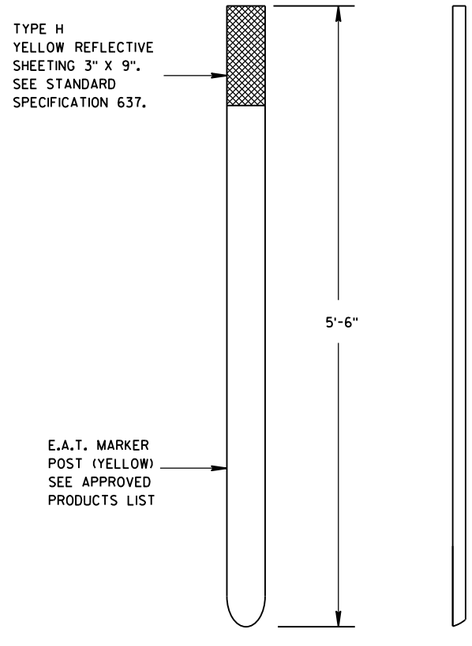
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV.
ENT

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S.D.D. 14 B 24-9c

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S.D.D. 14 B 24-9c

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

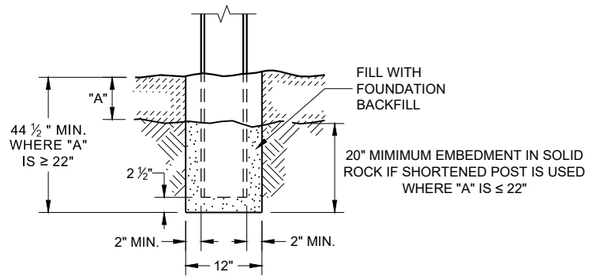
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

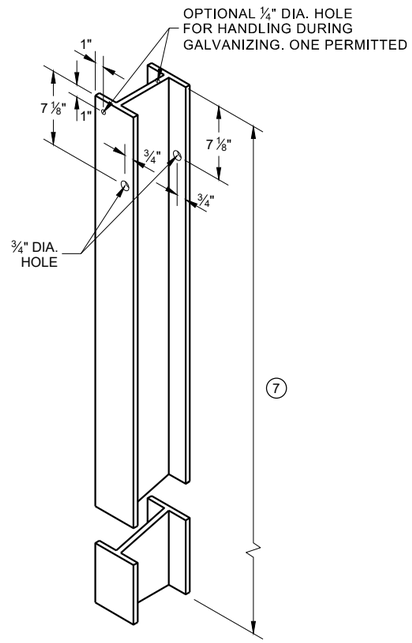
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

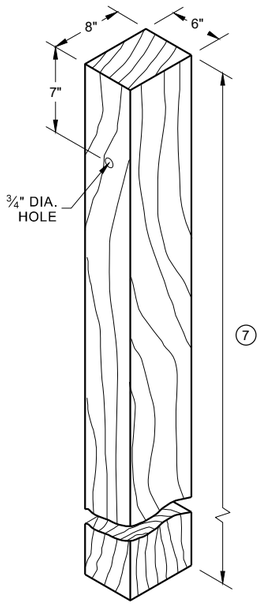
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



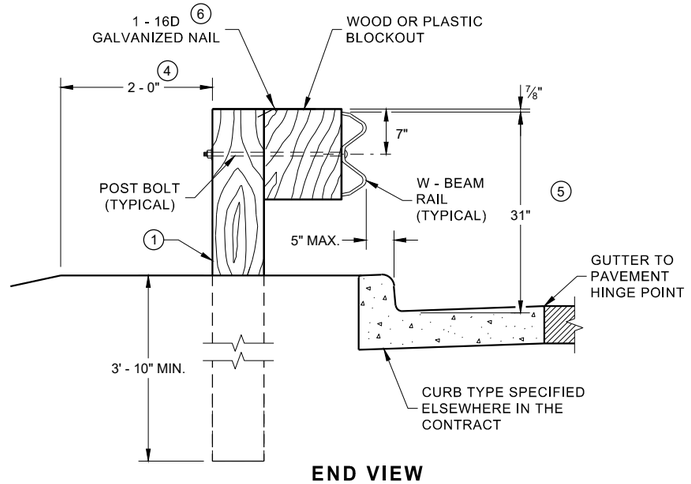
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



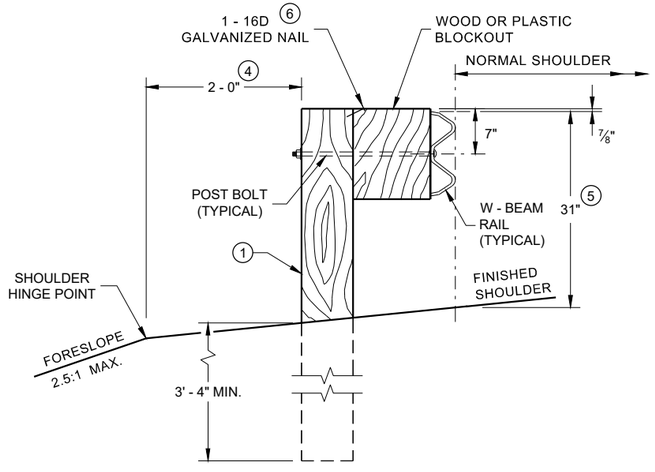
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



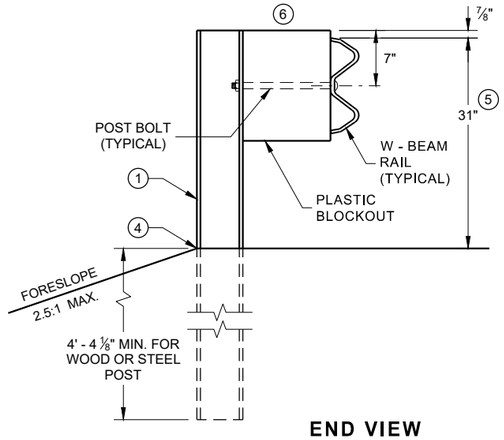
WOOD POST (6" X 8") NOMINAL (1)



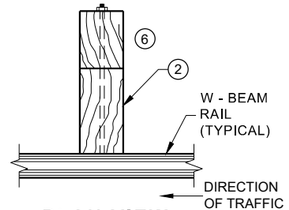
END VIEW
LOCATED ALONG A CURBED ROADWAY



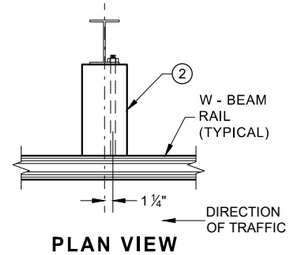
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



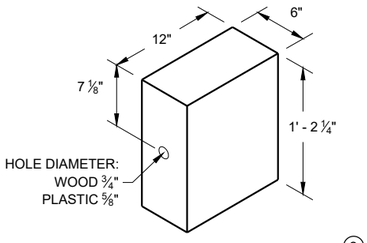
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



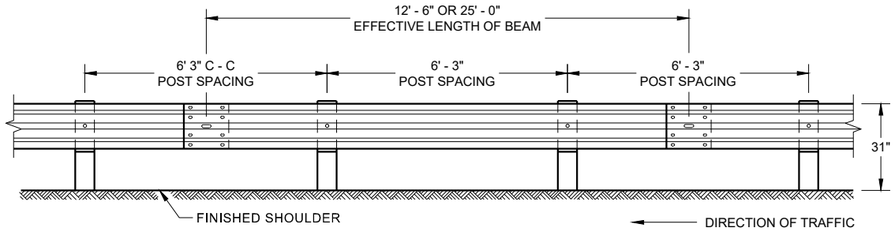
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

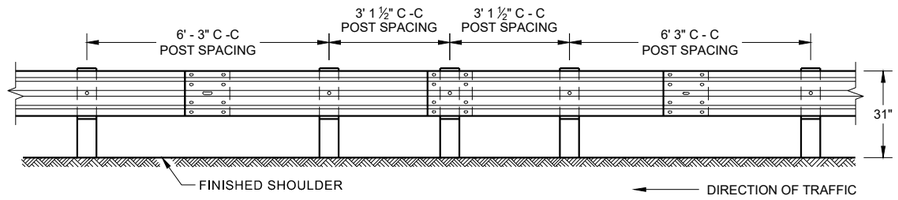
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

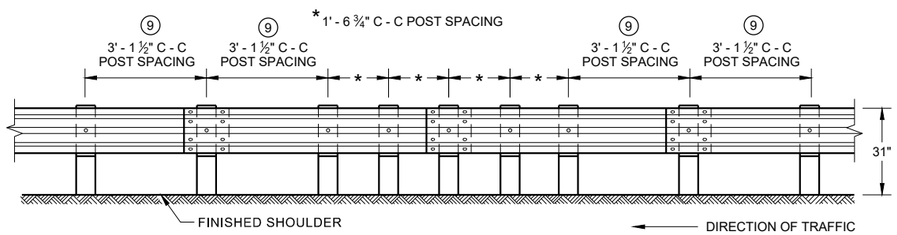
SDD 14B42 - 07a



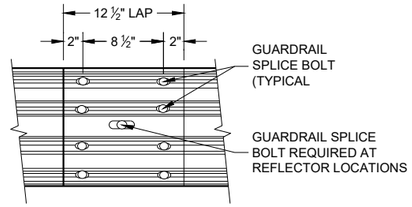
FRONT VIEW
POST SPACING STANDARD INSTALLATION



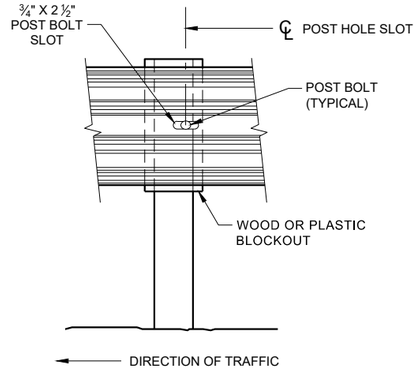
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



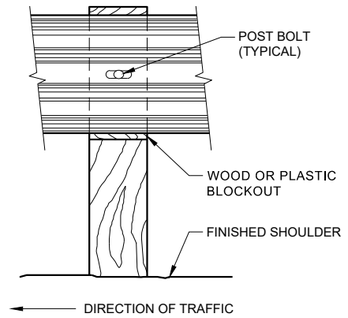
FRONT VIEW
QUARTER POST SPACING (QS)



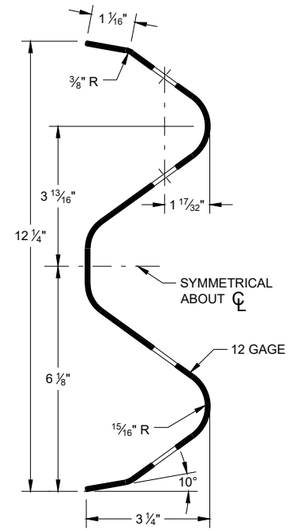
FRONT VIEW
MID-SPAN BEAM SPLICE



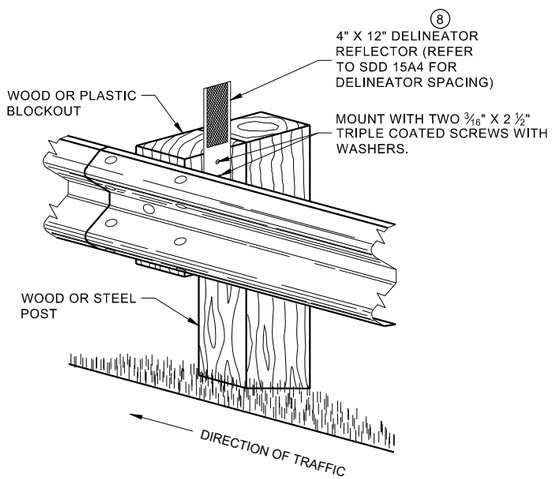
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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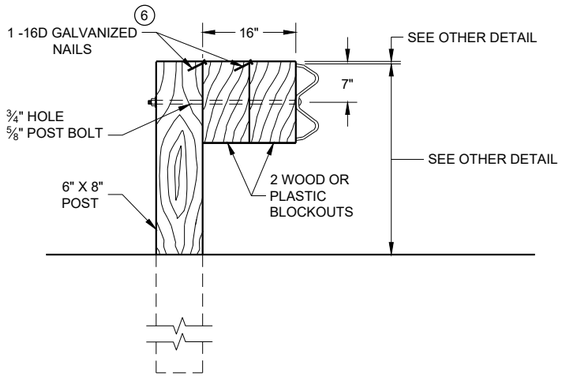
SDD 14B42 - 07b
SDD 14B42 - 07b

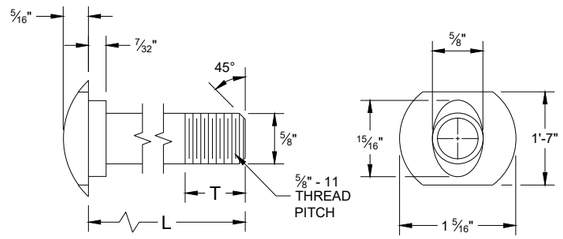


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

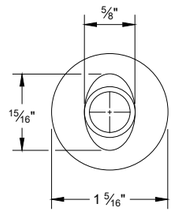
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

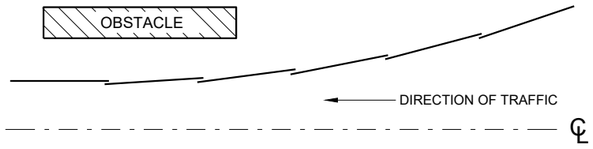


POST BOLT TABLE

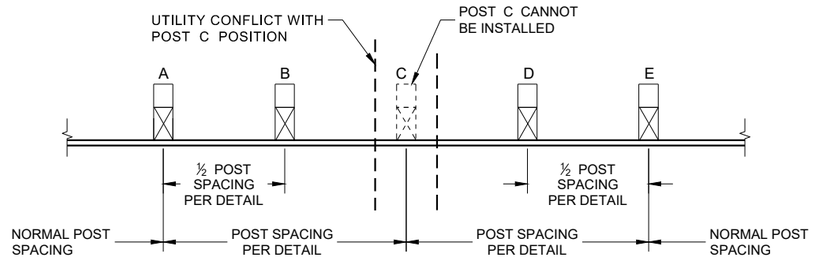
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



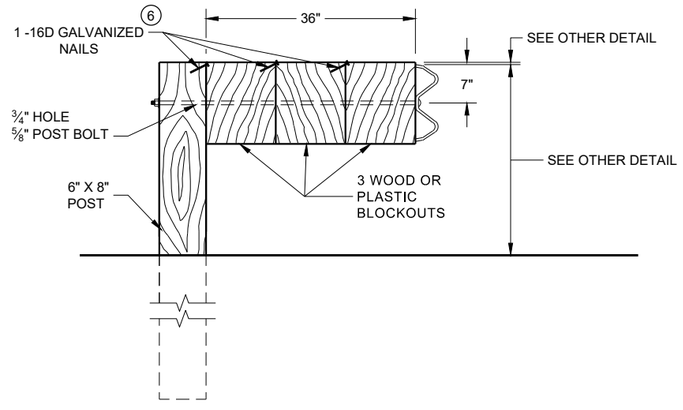
ALTERNATE BOLT HEAD



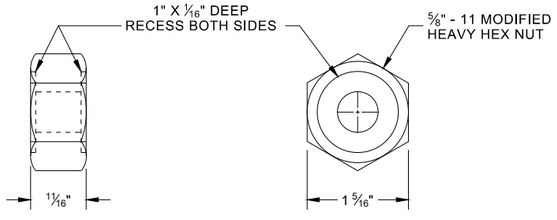
PLAN VIEW
BEAM LAPPING DETAIL



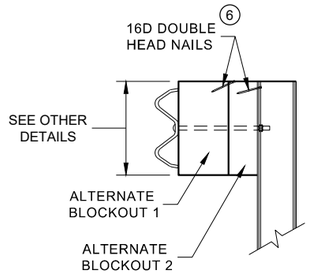
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



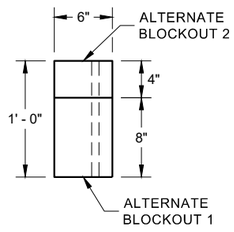
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

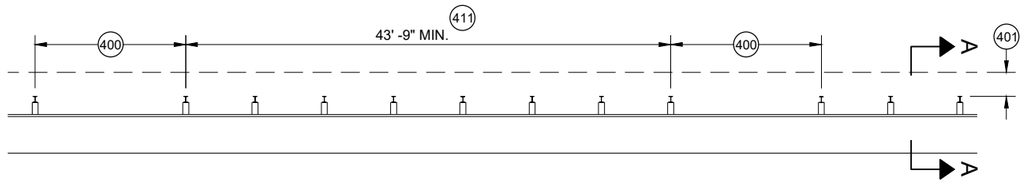
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

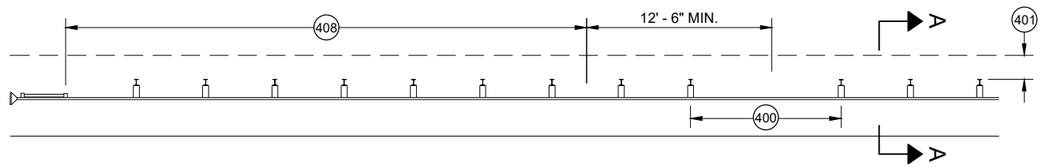
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

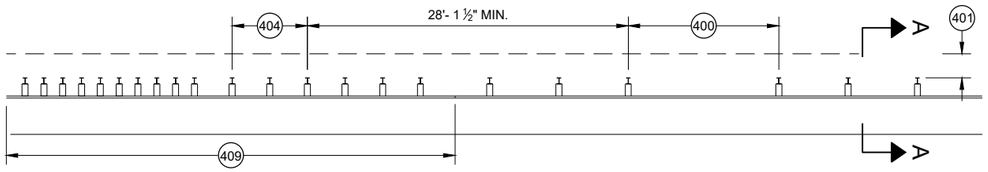
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



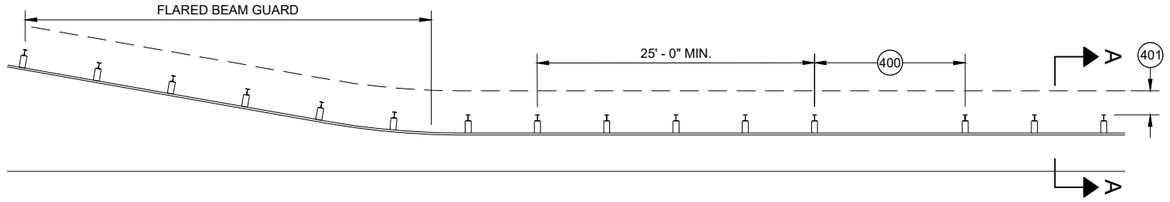
MISSING POST IN MGS GUARDRAIL



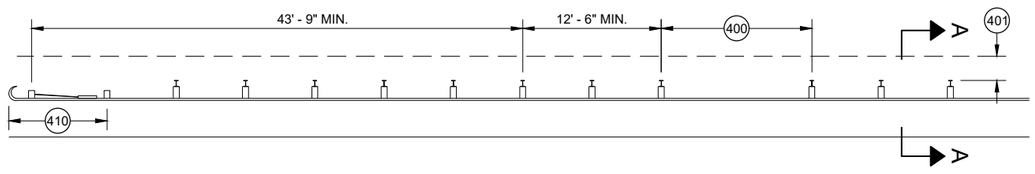
MISSING POST IN MGS GUARDRAIL NEAR EAT



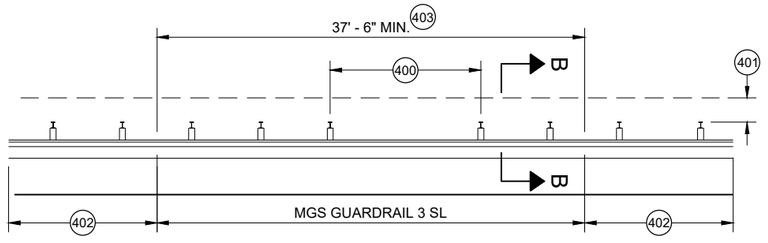
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

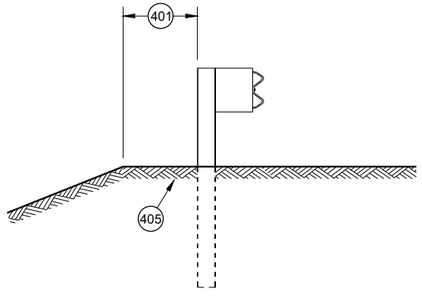


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

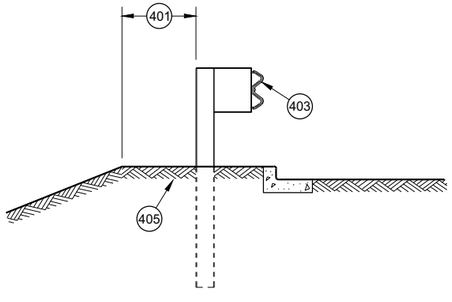


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

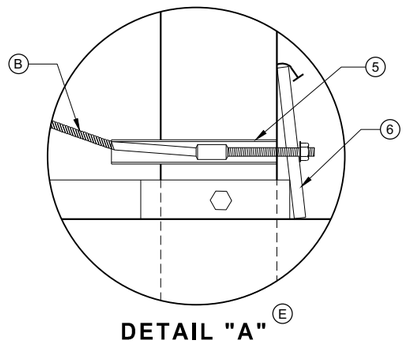
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

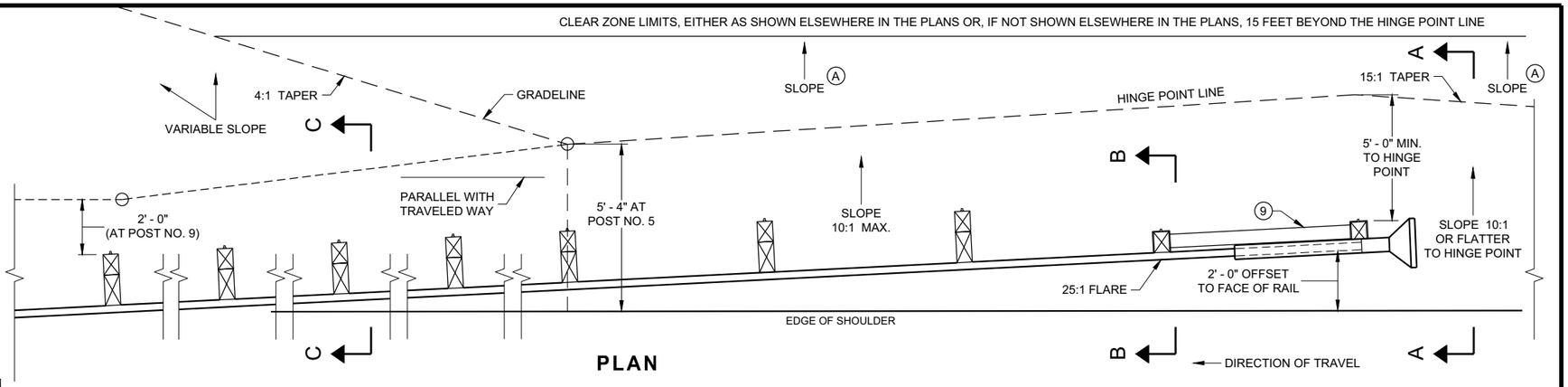
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

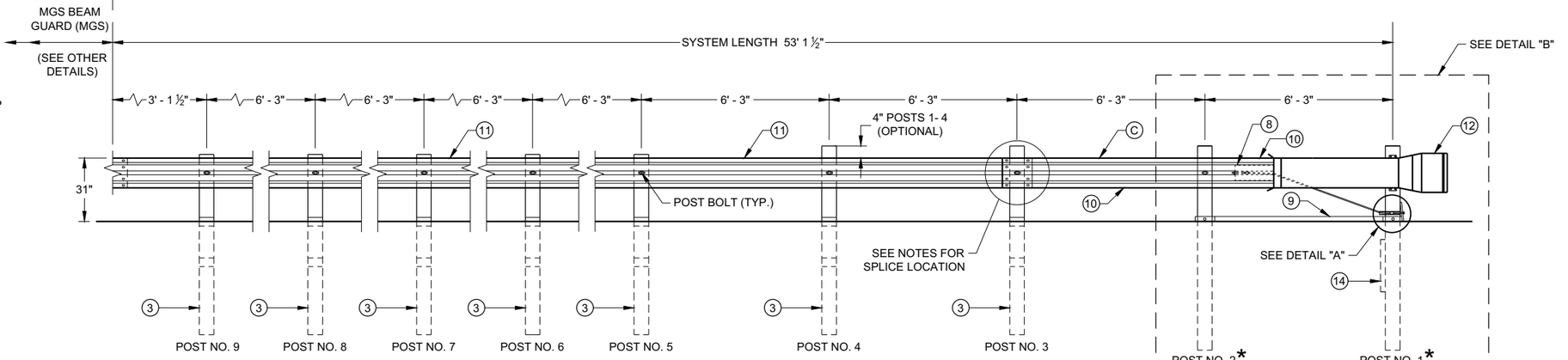
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



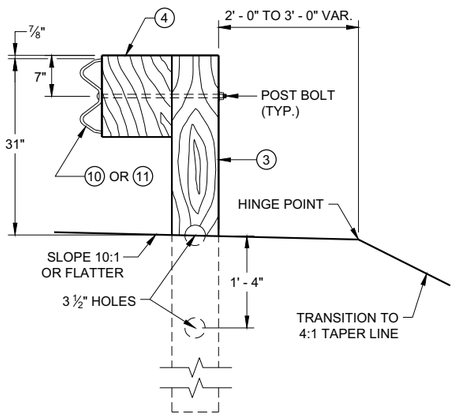
DETAIL "A" (E)



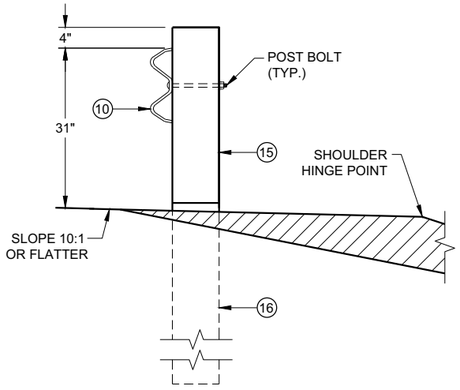
PLAN



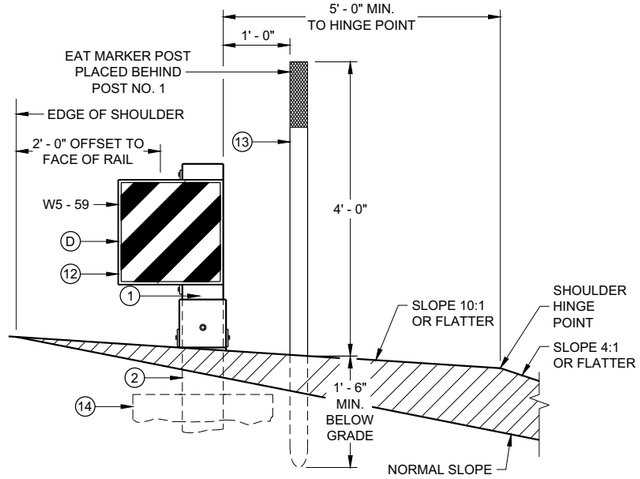
ELEVATION



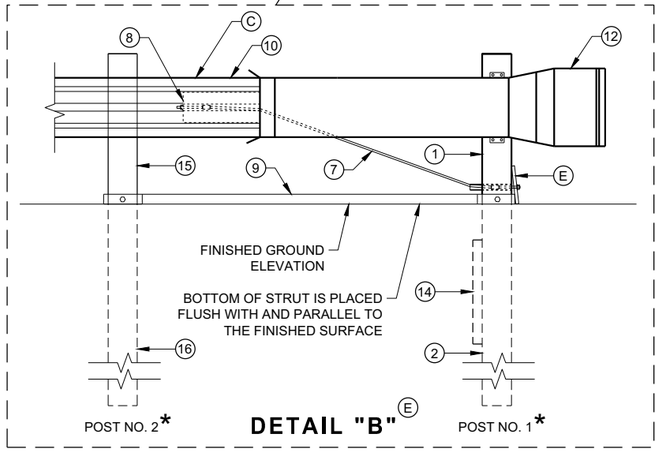
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

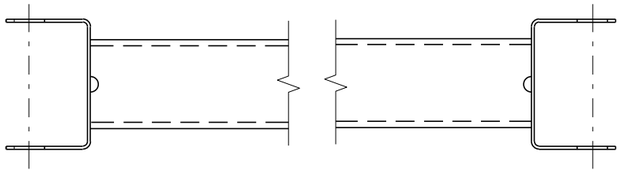
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

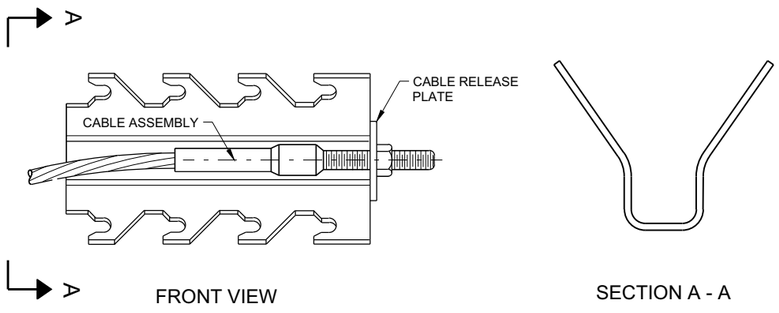
6



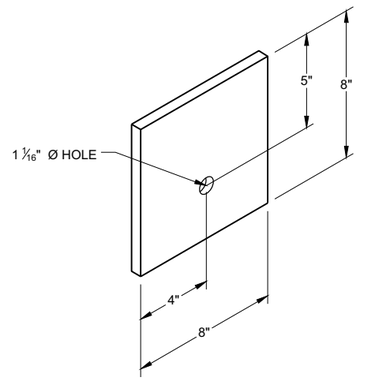
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

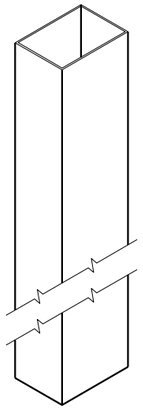
6

SDD 14B44 - 04b

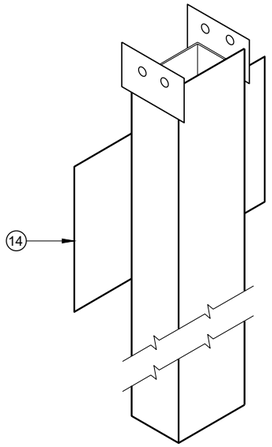
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

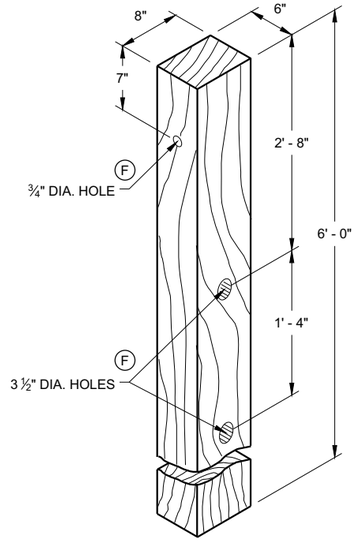
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



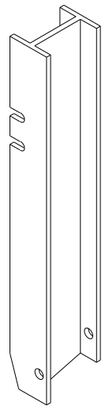
UPPER POST NO. 1 (1) (E)



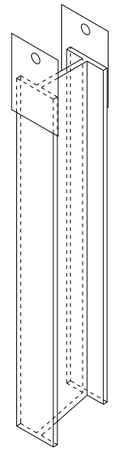
LOWER POST NO. 1 (2) (E)



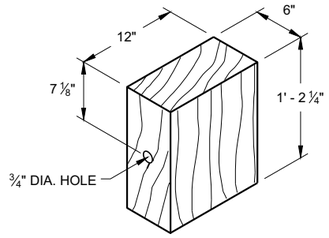
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



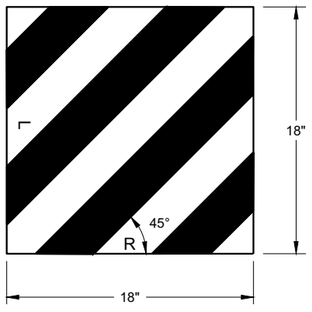
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

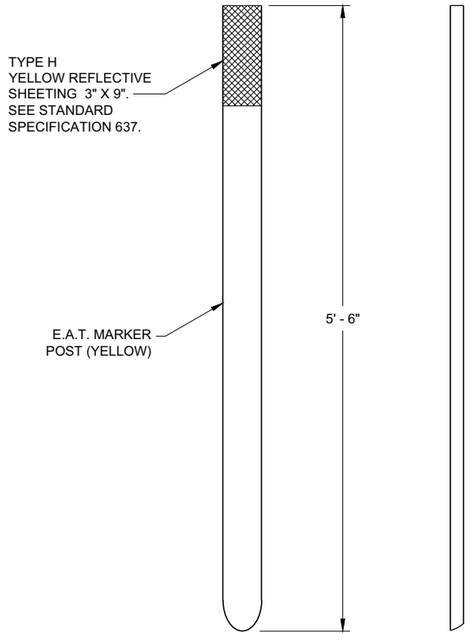


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



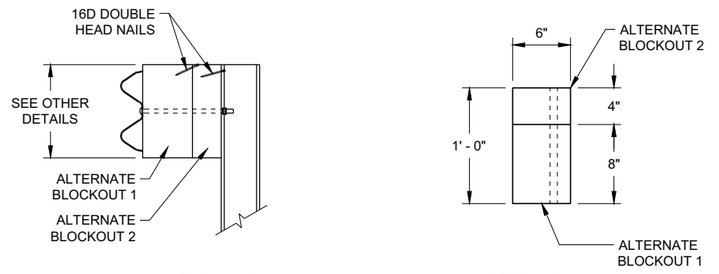
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

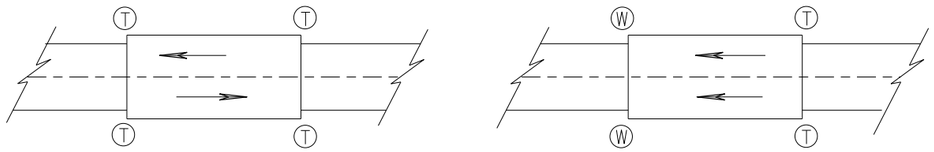
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

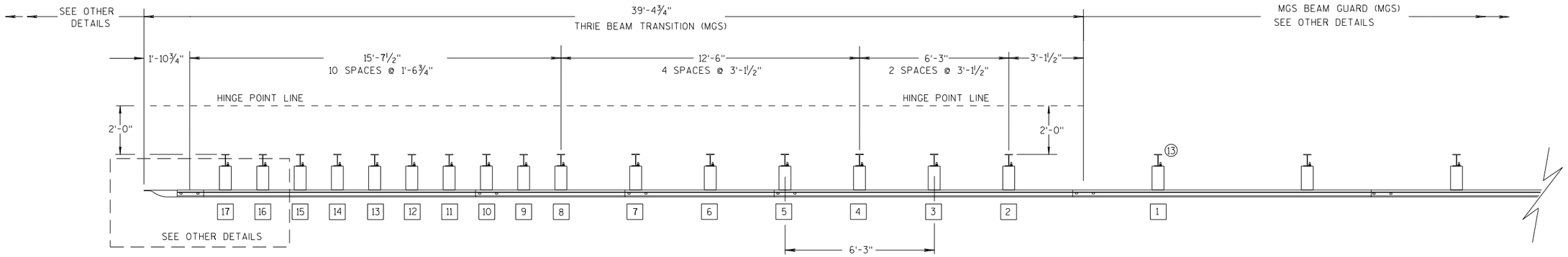
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

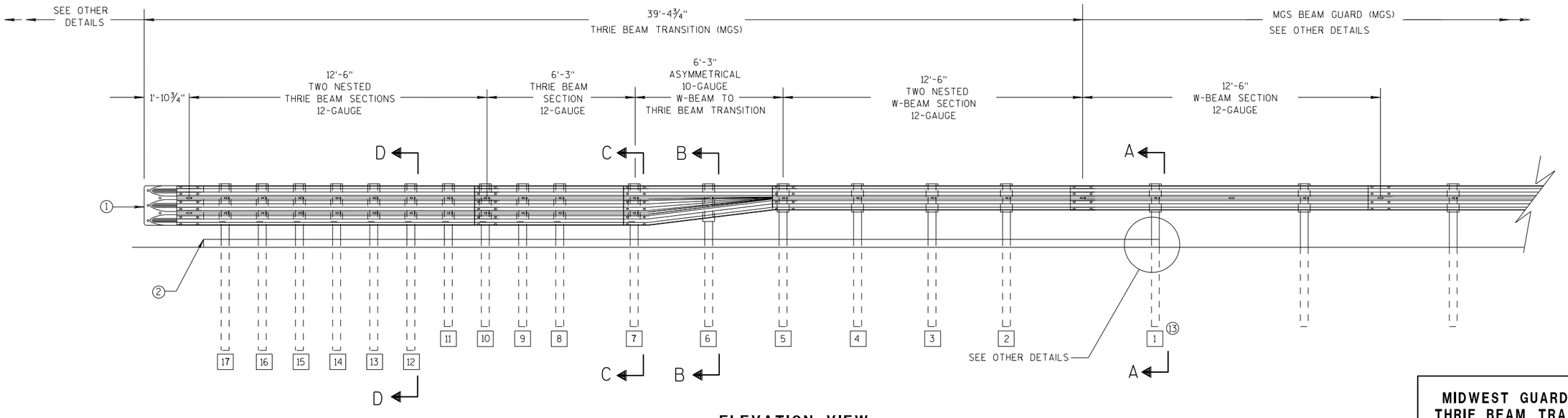
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

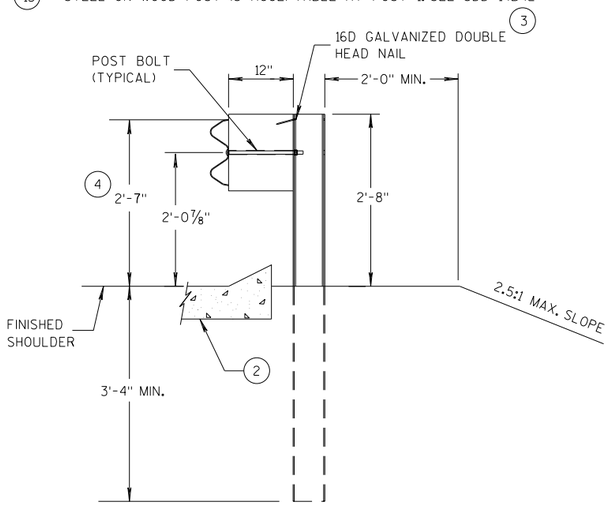
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

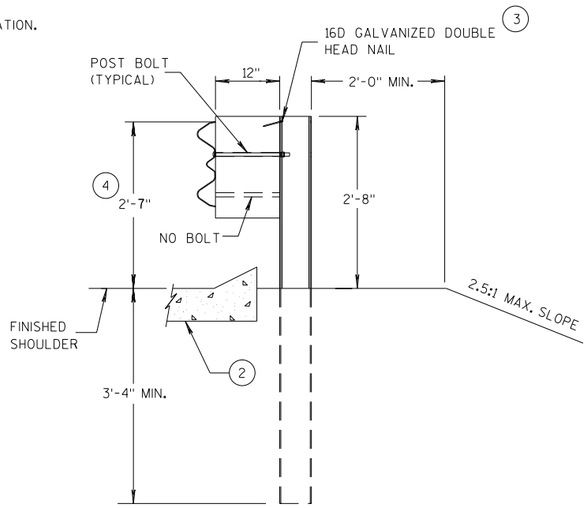
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



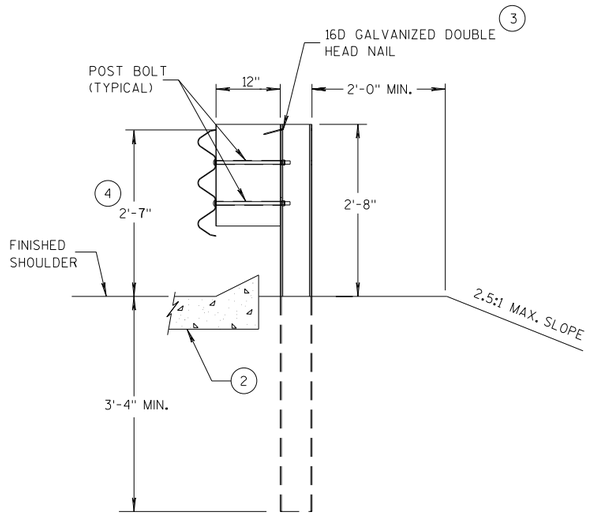
SECTION A-A (13)

POSTS 1-5



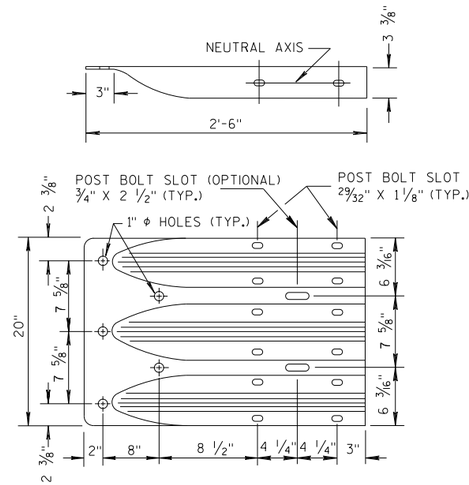
SECTION B-B

POST 6

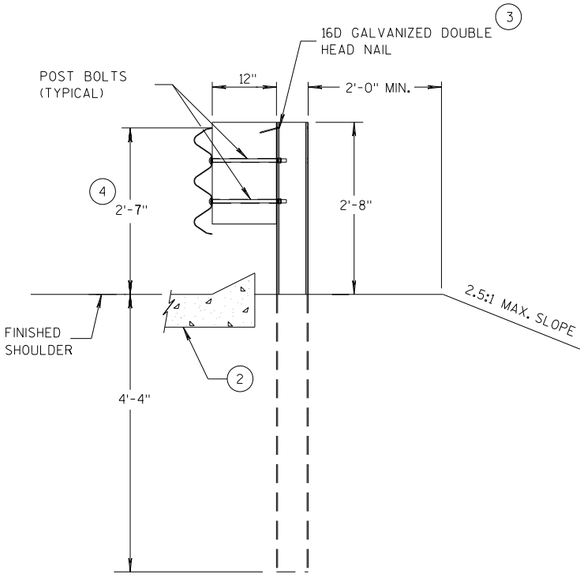


SECTION C-C

POSTS 7-11

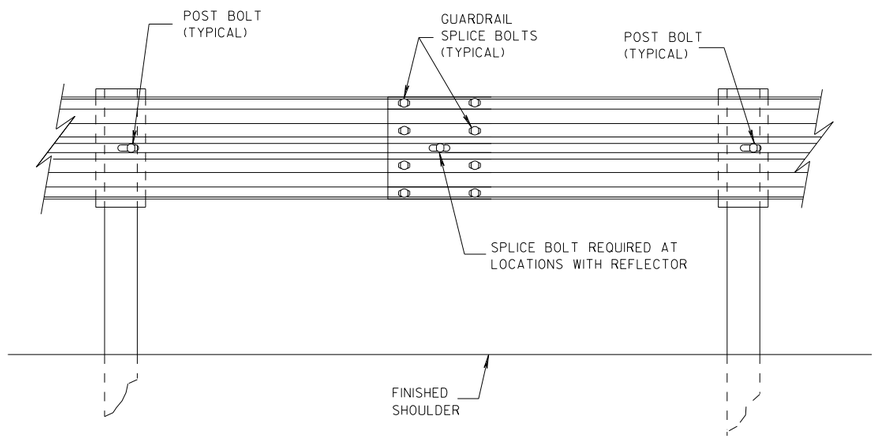


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

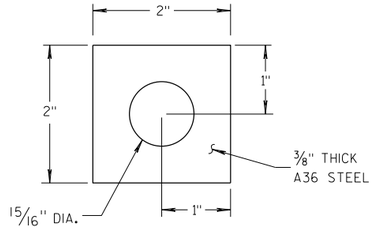
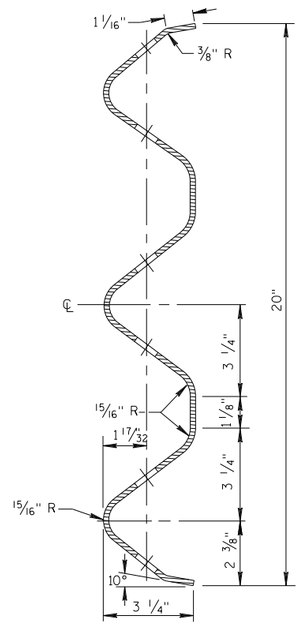


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

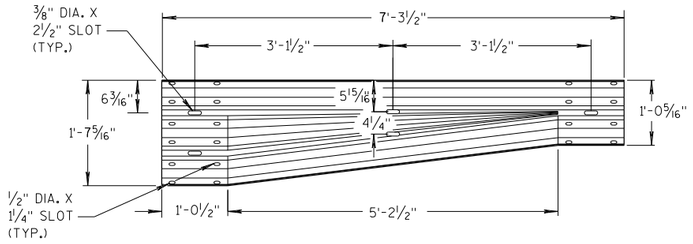
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 229

6

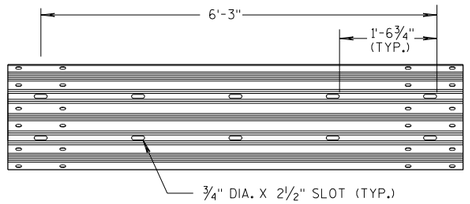
S.D.D. 14 B 45-5b

6

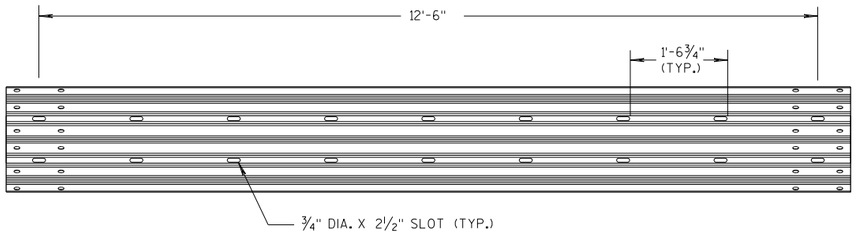
S.D.D. 14 B 45-5b



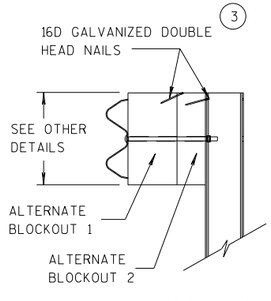
W-BEAM TO THRIE BEAM TRANSITION SECTION



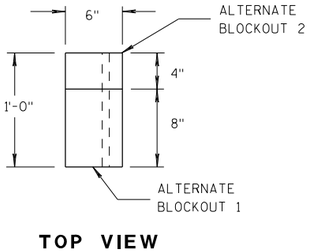
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

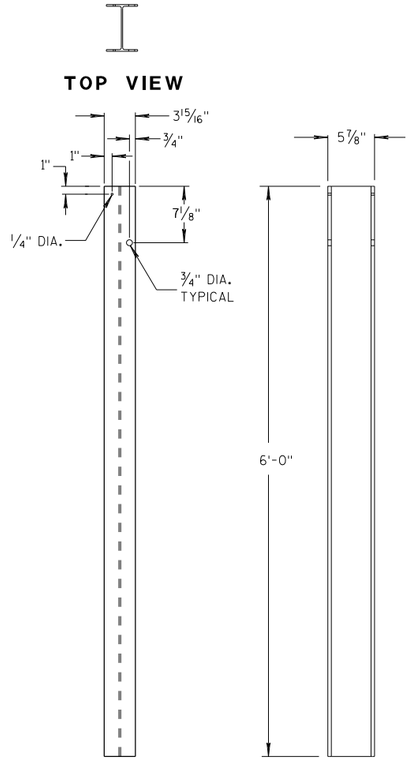


SIDE VIEW



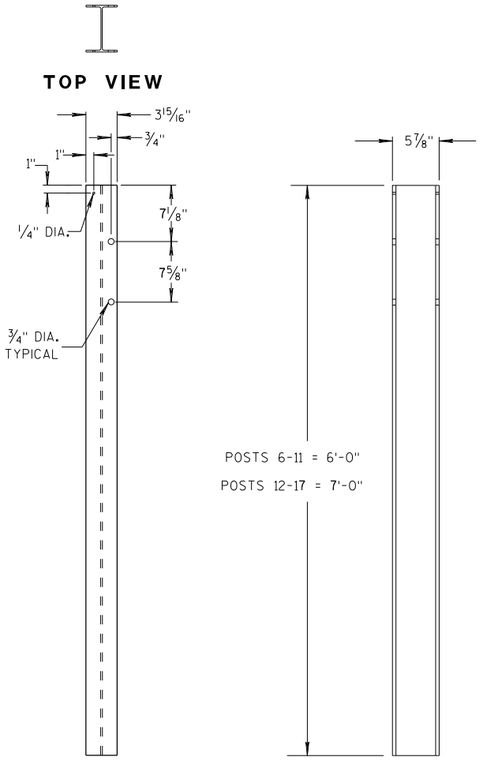
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



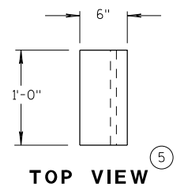
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

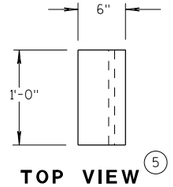


FRONT VIEW SIDE VIEW

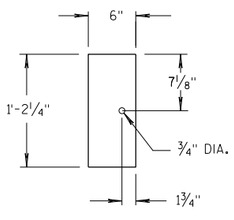
STEEL POSTS 6-17



TOP VIEW (5)

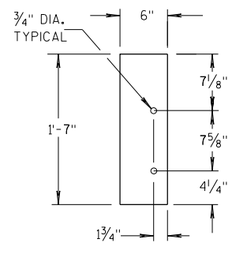


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

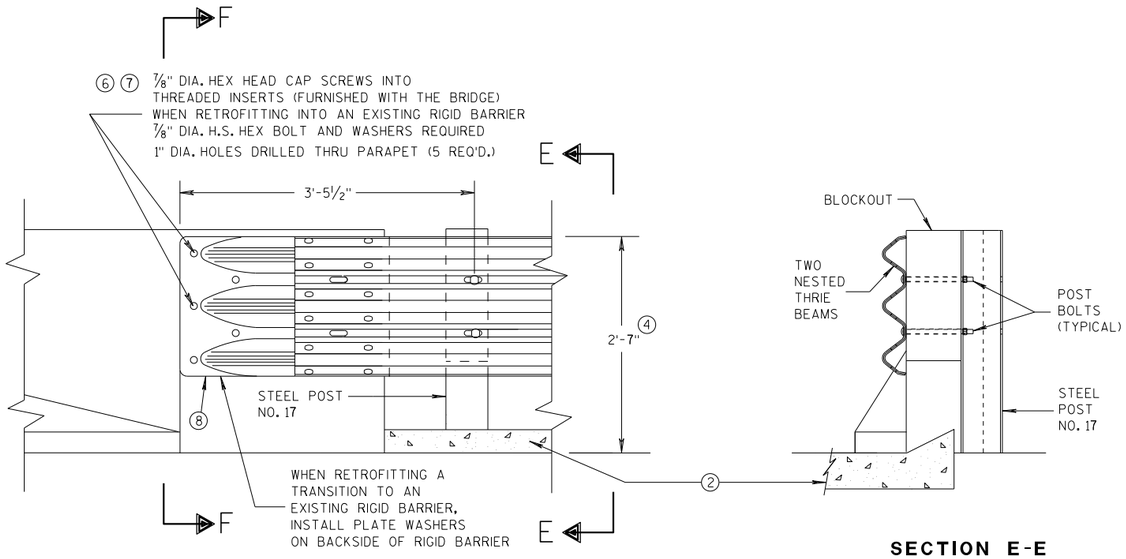
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 230

6

S.D.D. 14 B 45-5c

6

S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

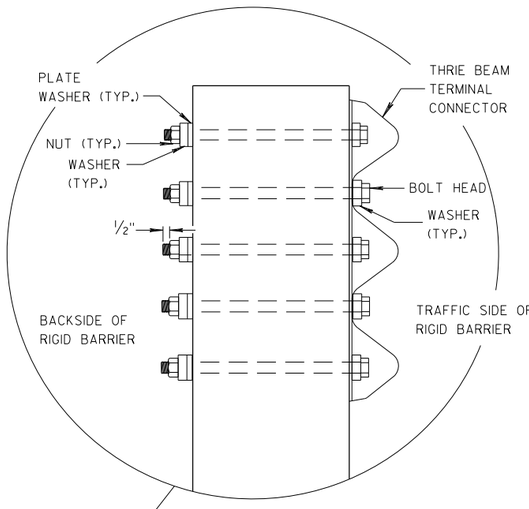
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

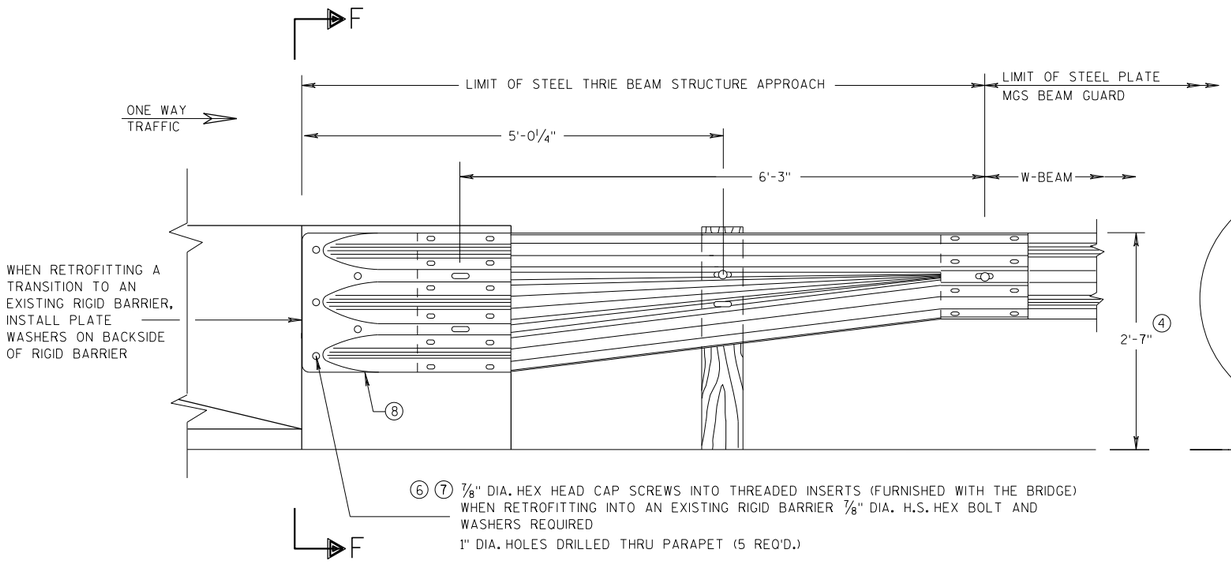
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

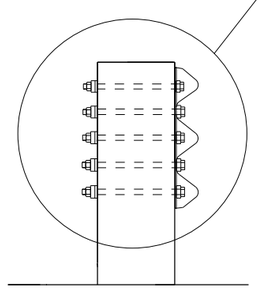
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

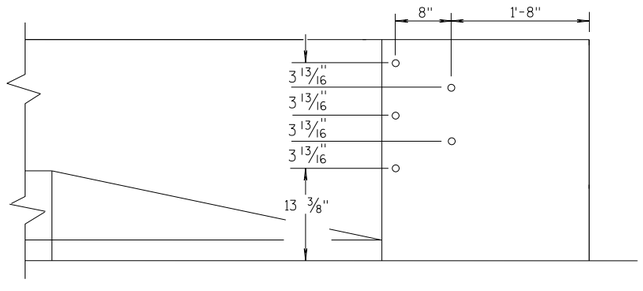




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D[illegible] UNIT SUPERVIS[illegible] NT
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GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

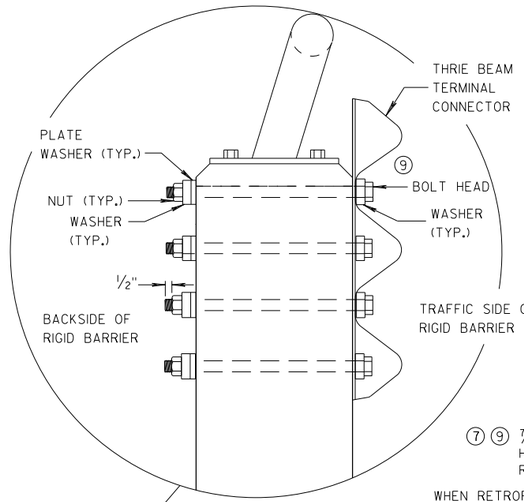
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

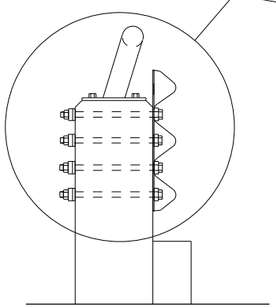
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

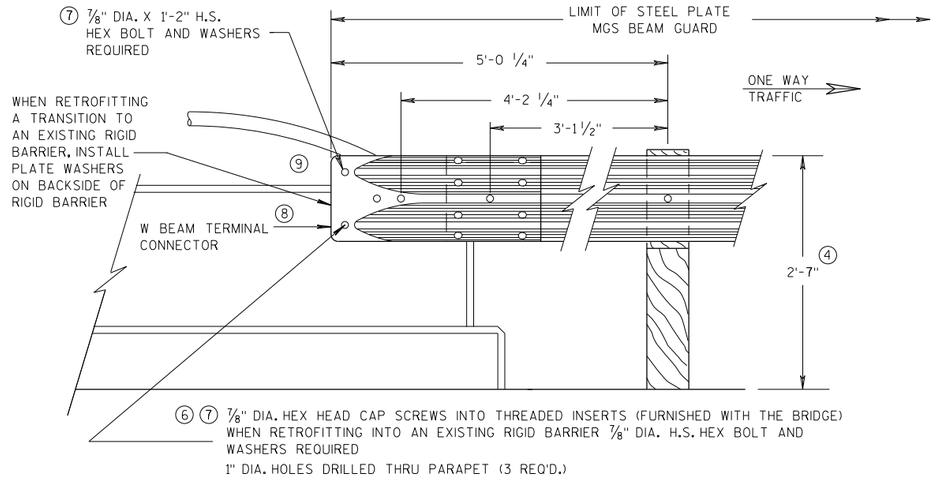
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





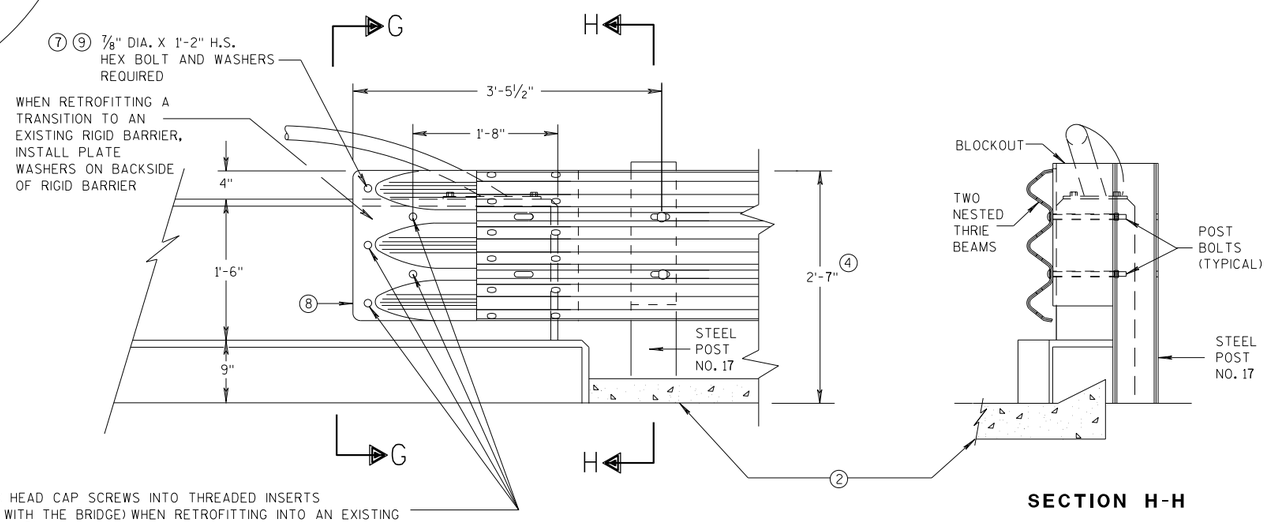
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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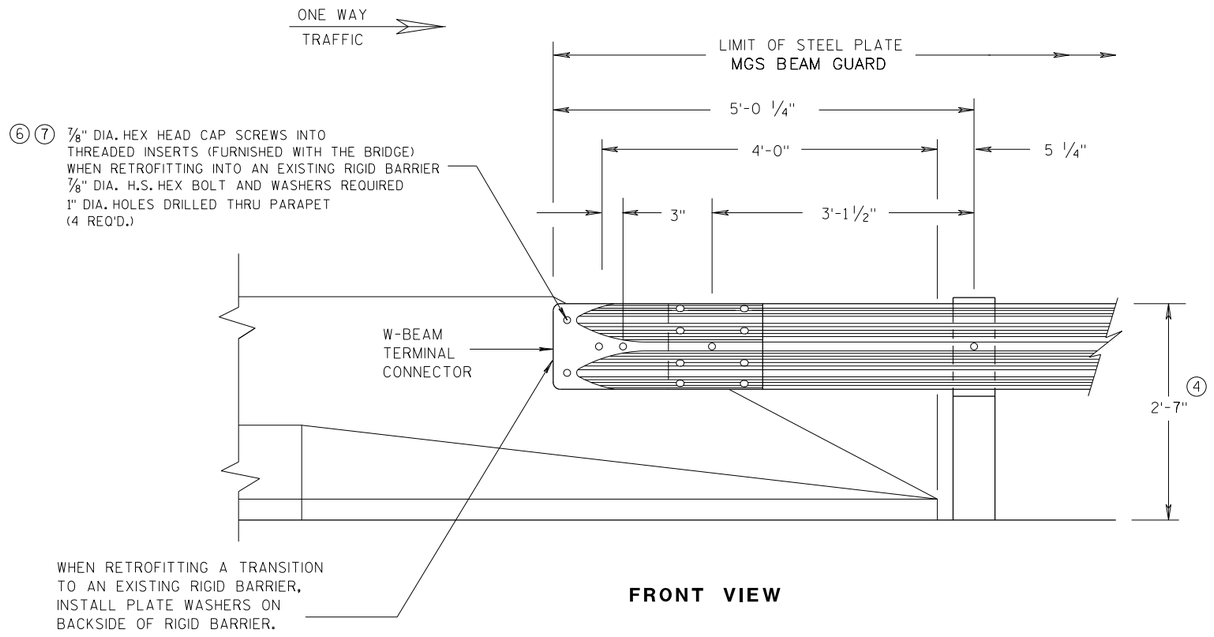

FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

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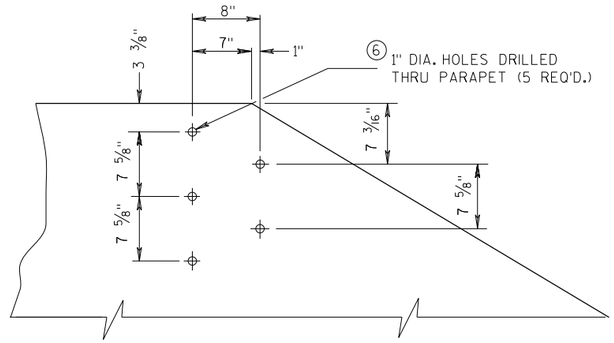
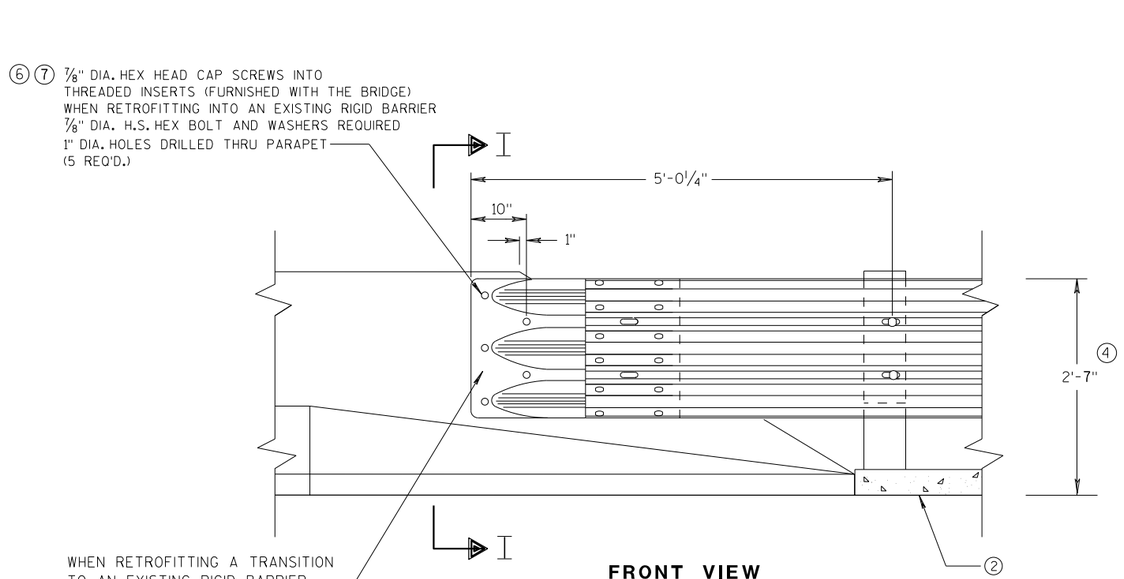
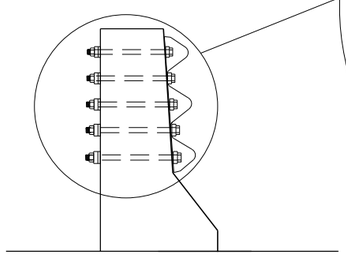


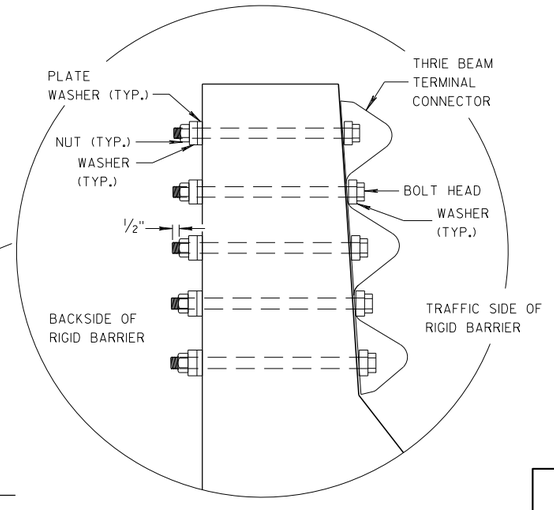
DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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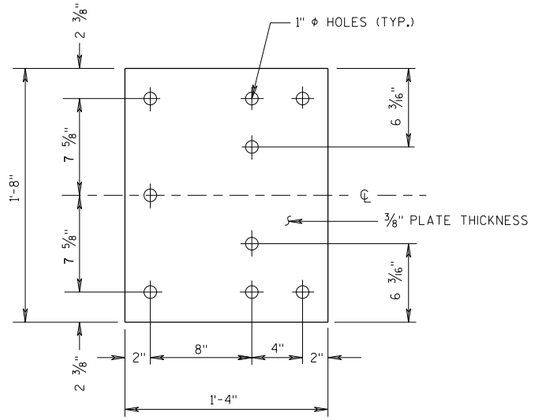
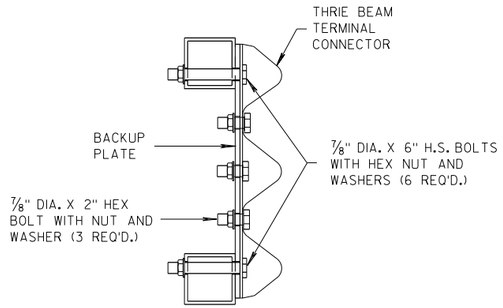
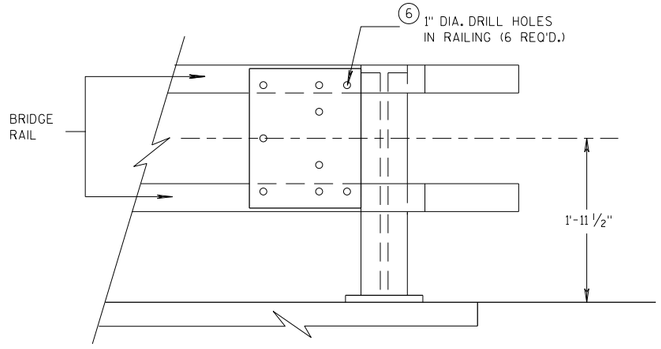


BACK-UP PLATE DETAIL



SECTION J-J

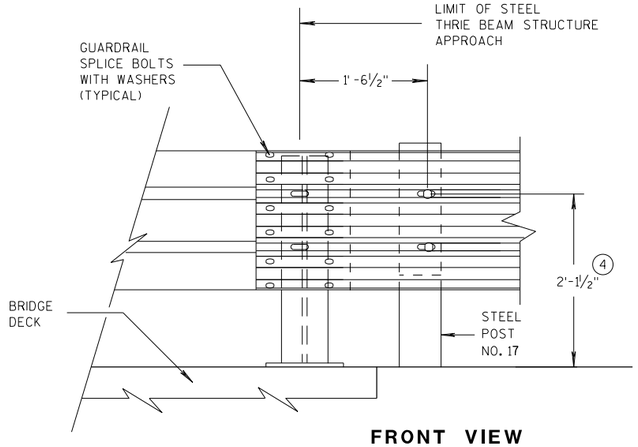


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

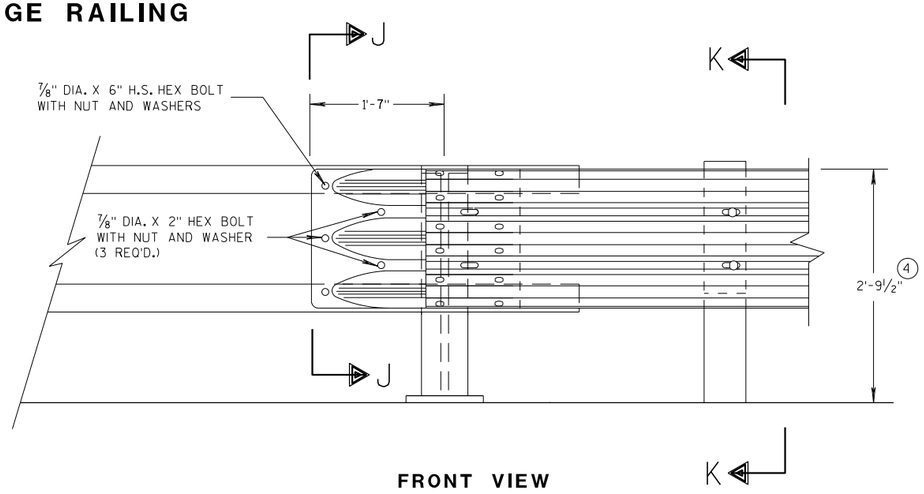
GENERAL NOTES

④ TOLERANCE FOR TOP OF BEAM IS ± 1".

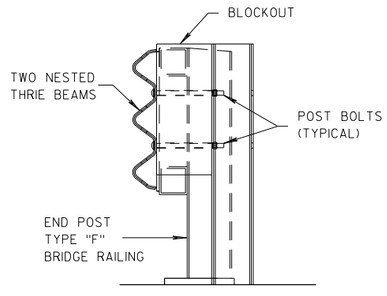
⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.



FRONT VIEW
THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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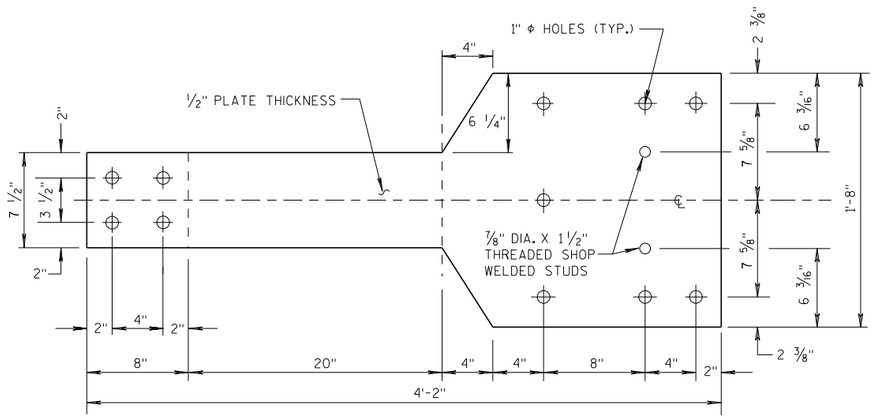
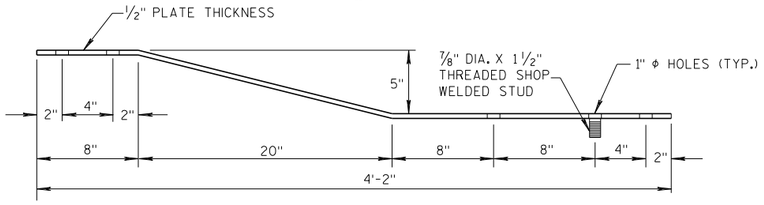
GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

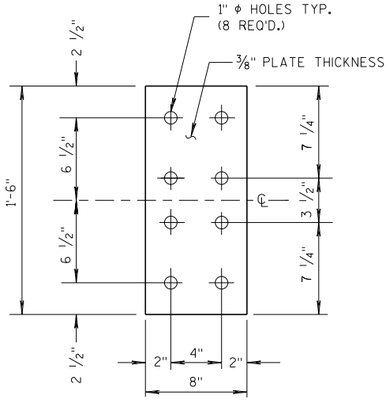


FRONT VIEW



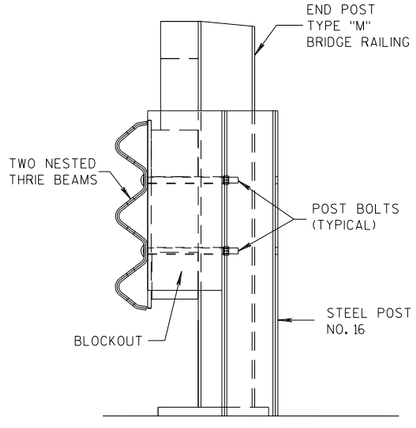
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

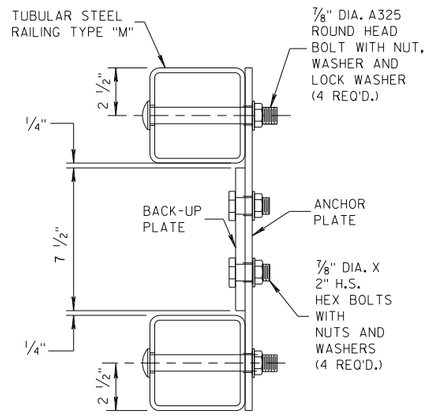


FRONT VIEW

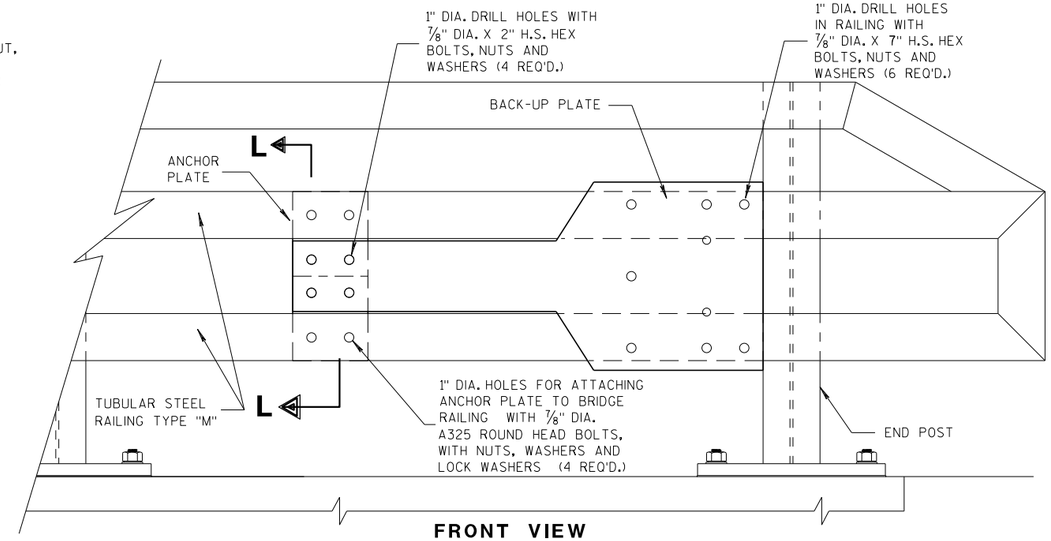
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

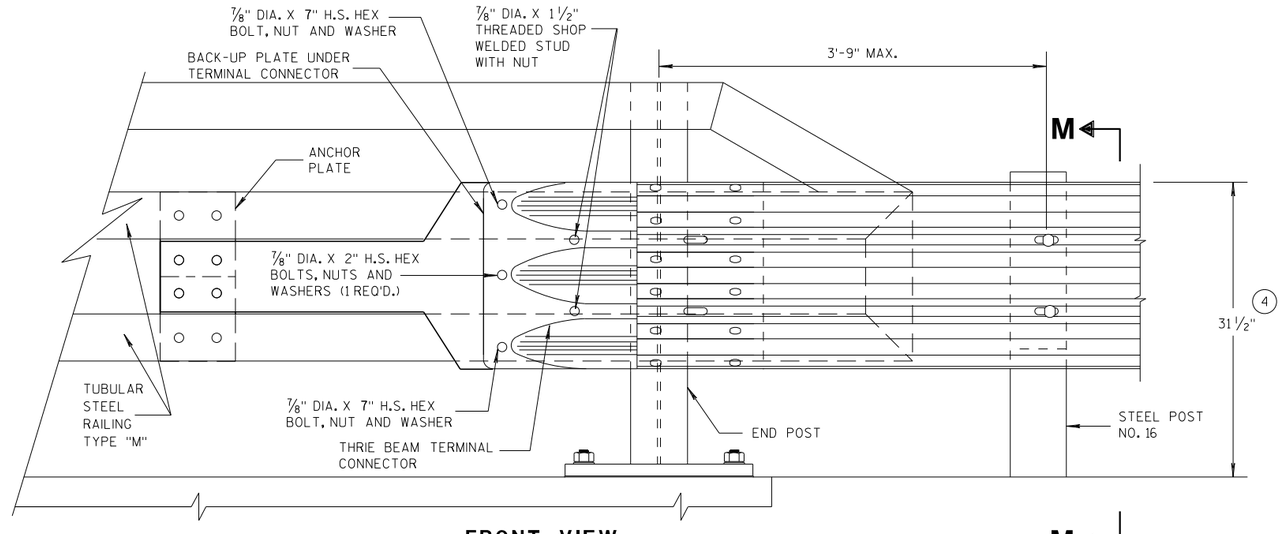


SECTION L-L

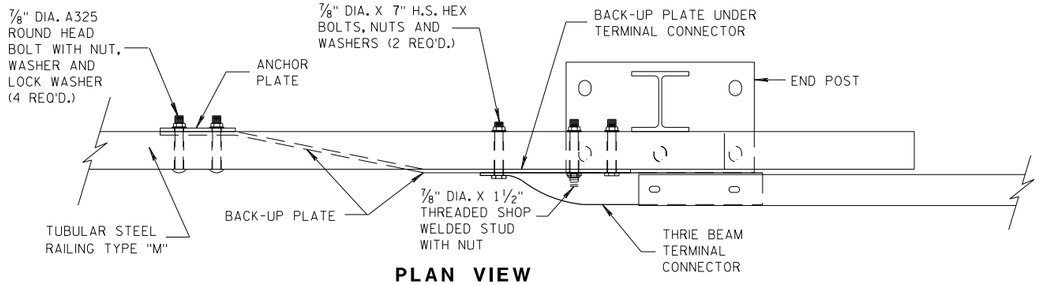


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
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GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

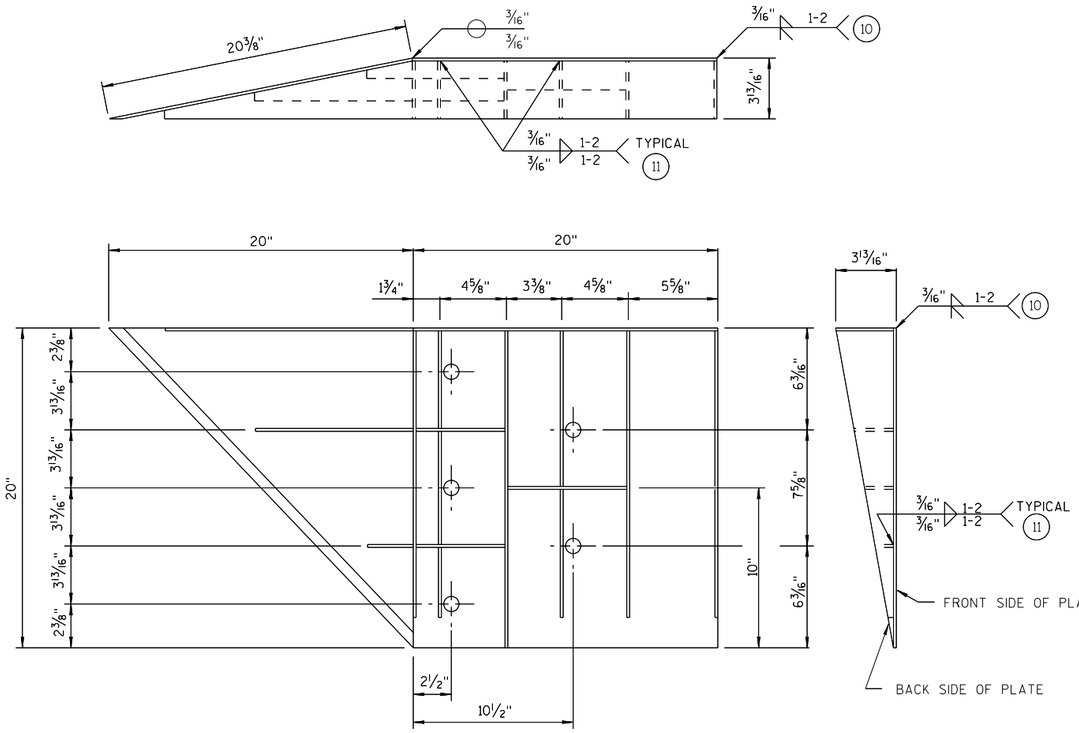
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

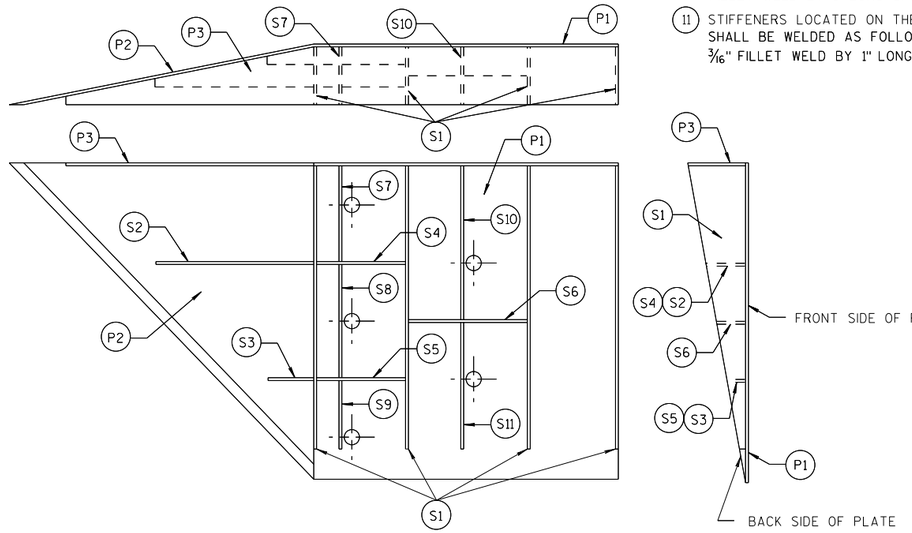


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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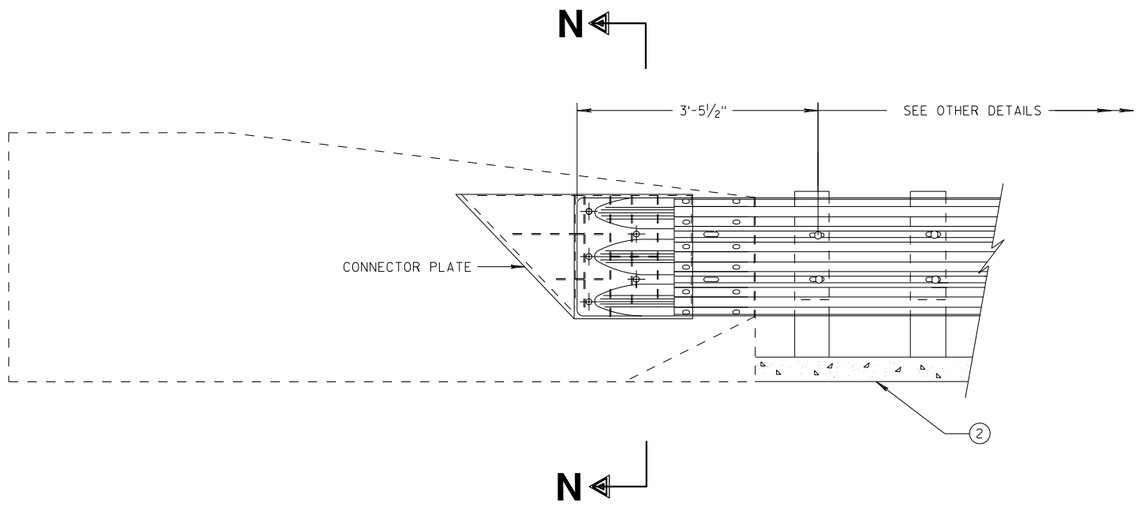
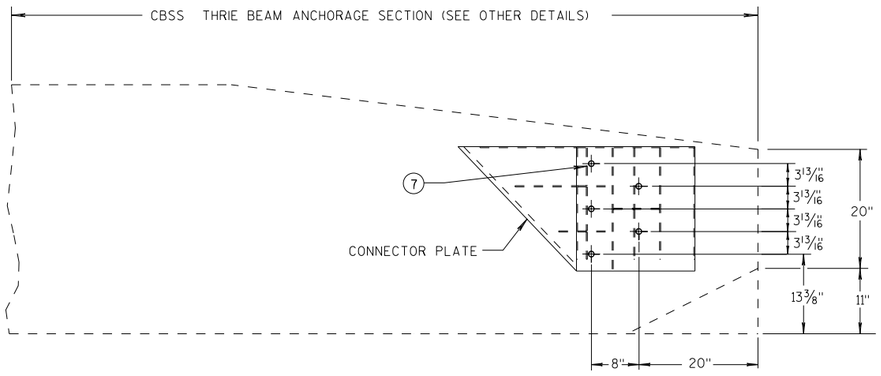


THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



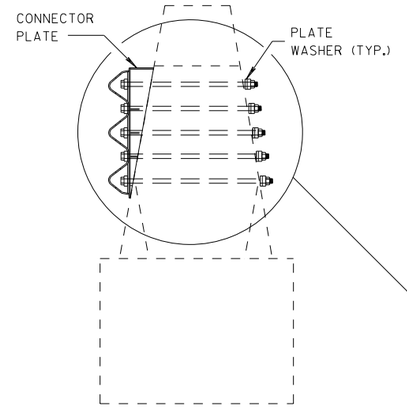
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

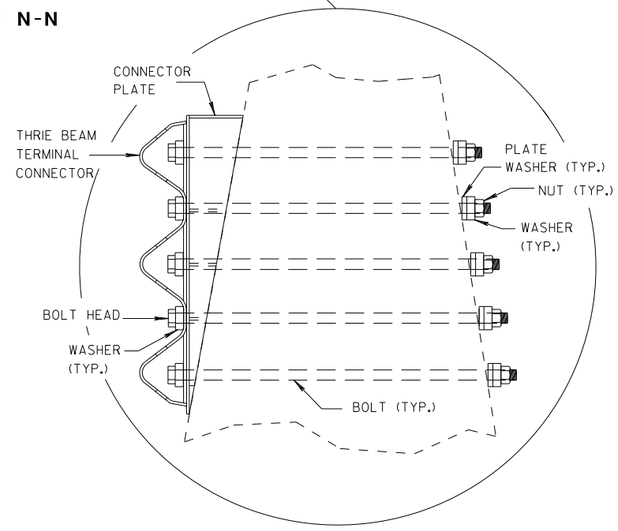
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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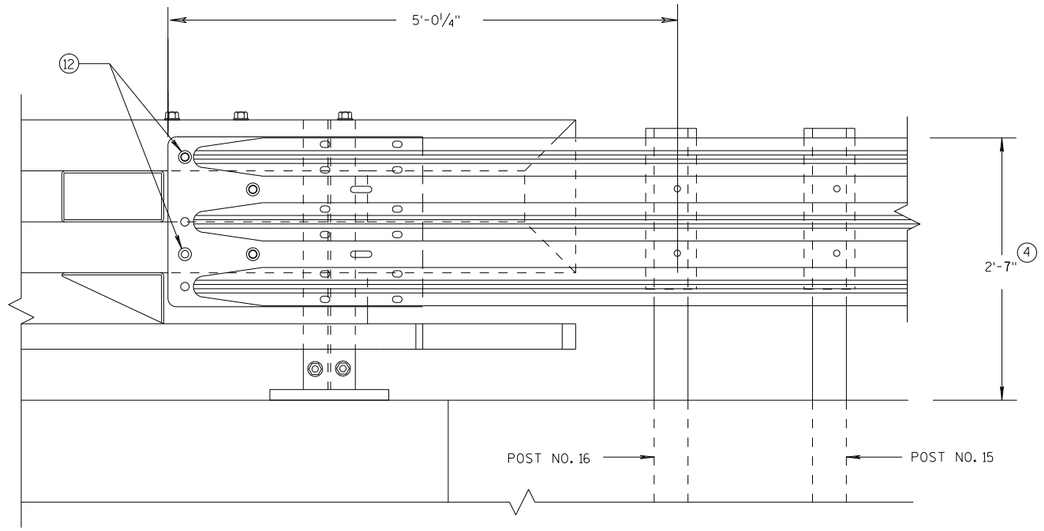
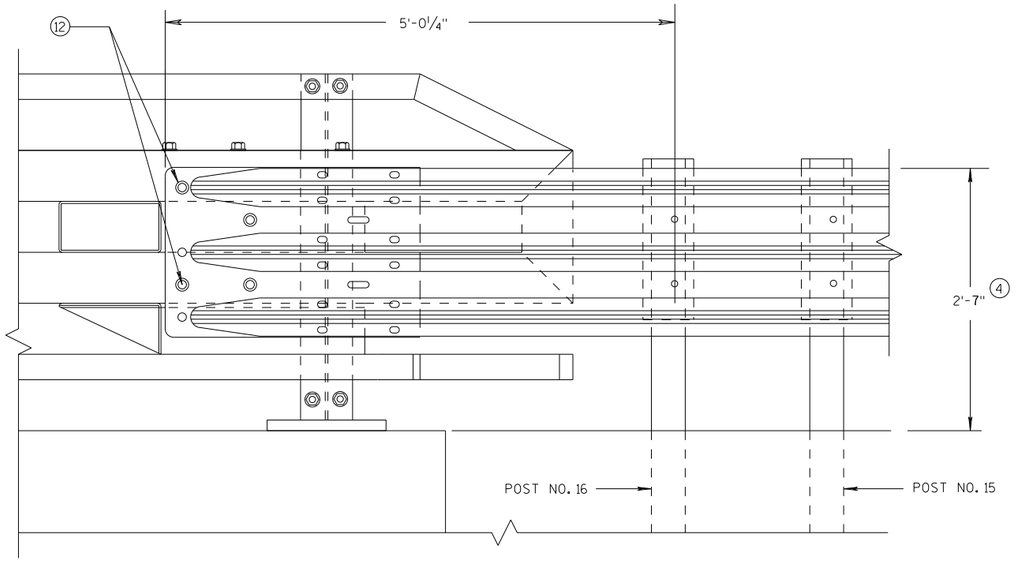
S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D 238 NT
UNIT SUPERVIS

6

S.D.D. 14 B 45-5k

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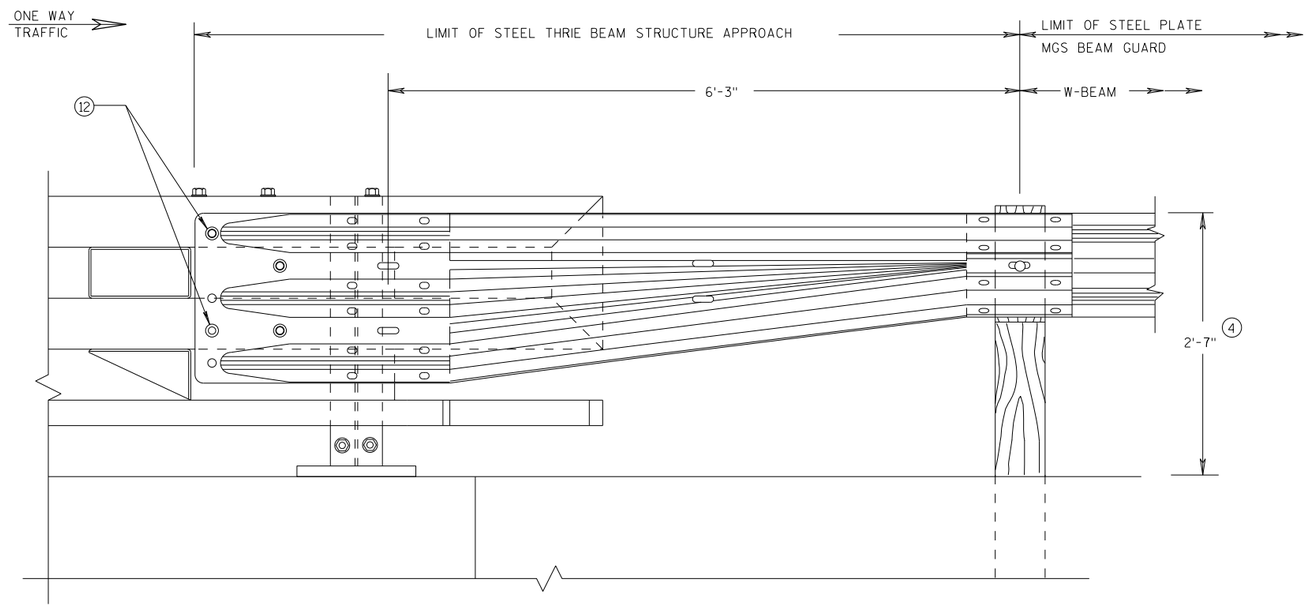
S.D.D. 14 B 45-5k



FRONT VIEW

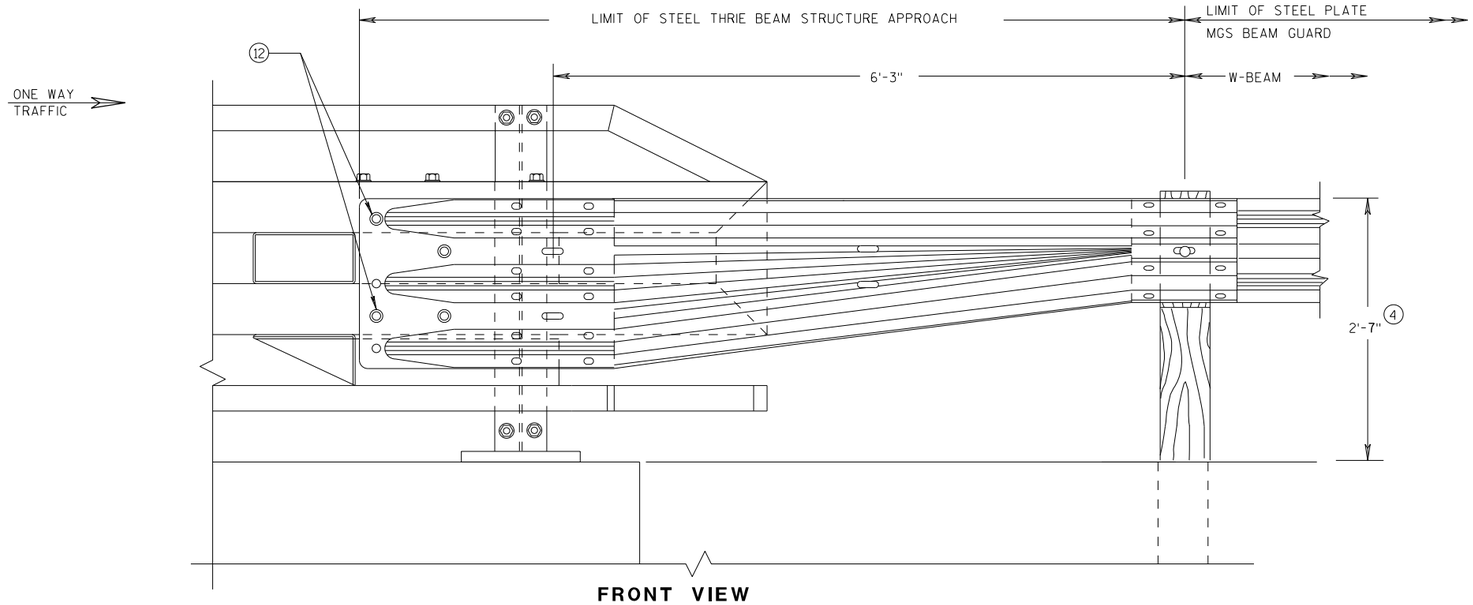
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

239

NT

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S.D.D. 14 B 45-5L

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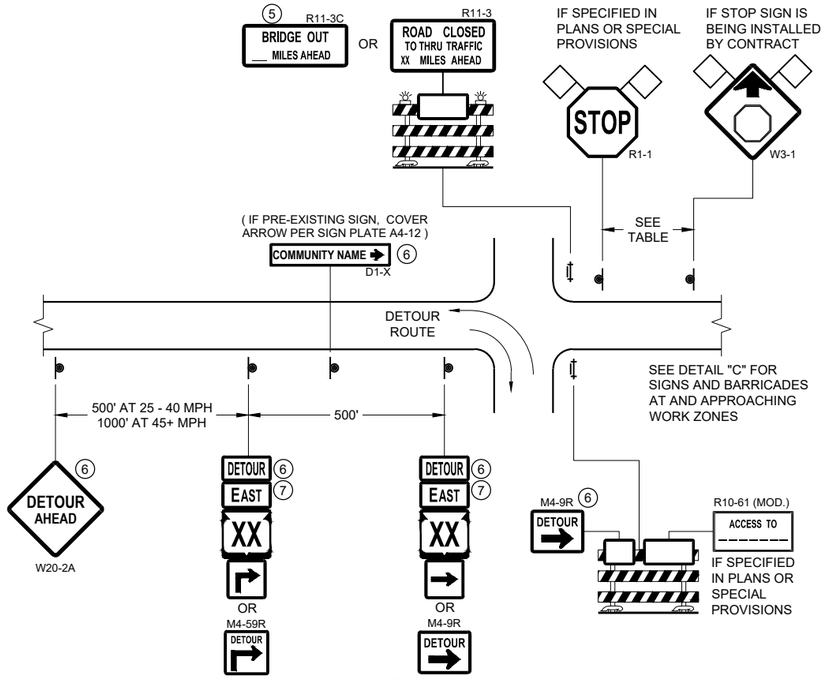
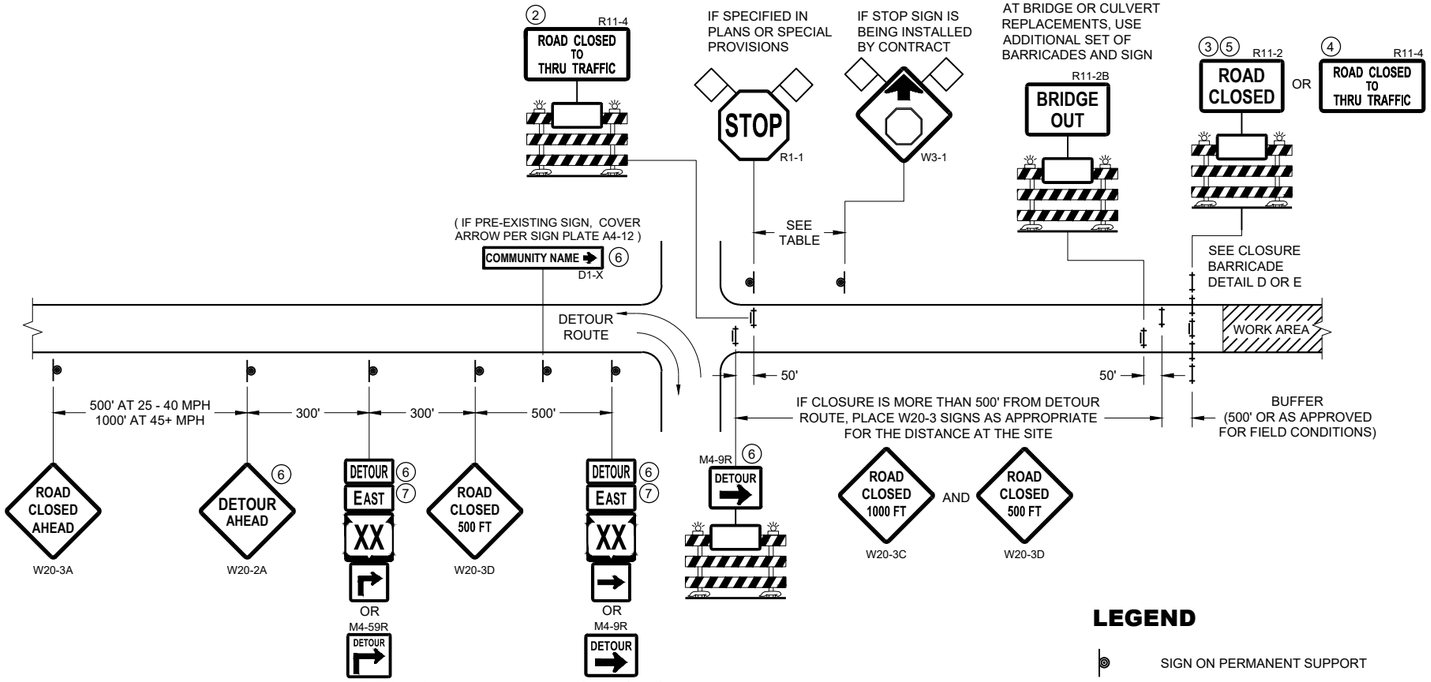
S.D.D. 14 B 45-5L



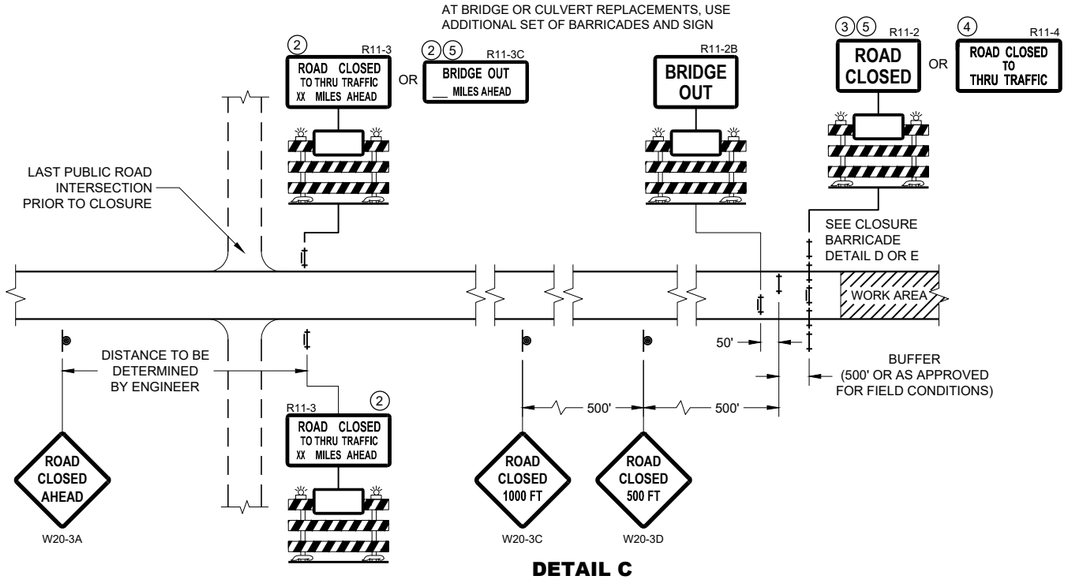


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

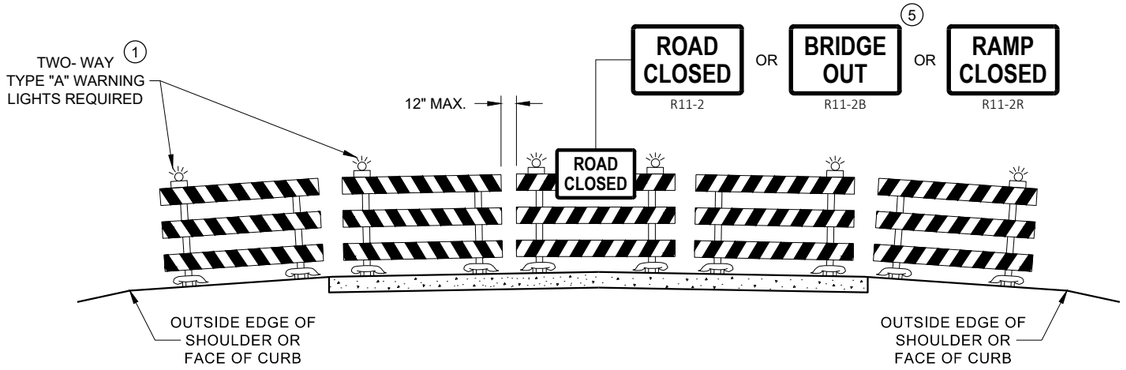
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

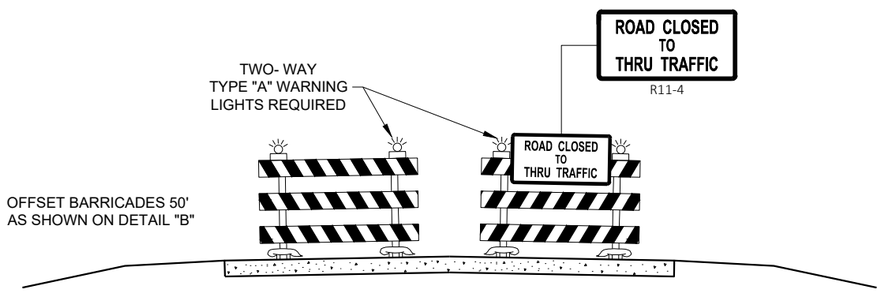
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09b

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SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

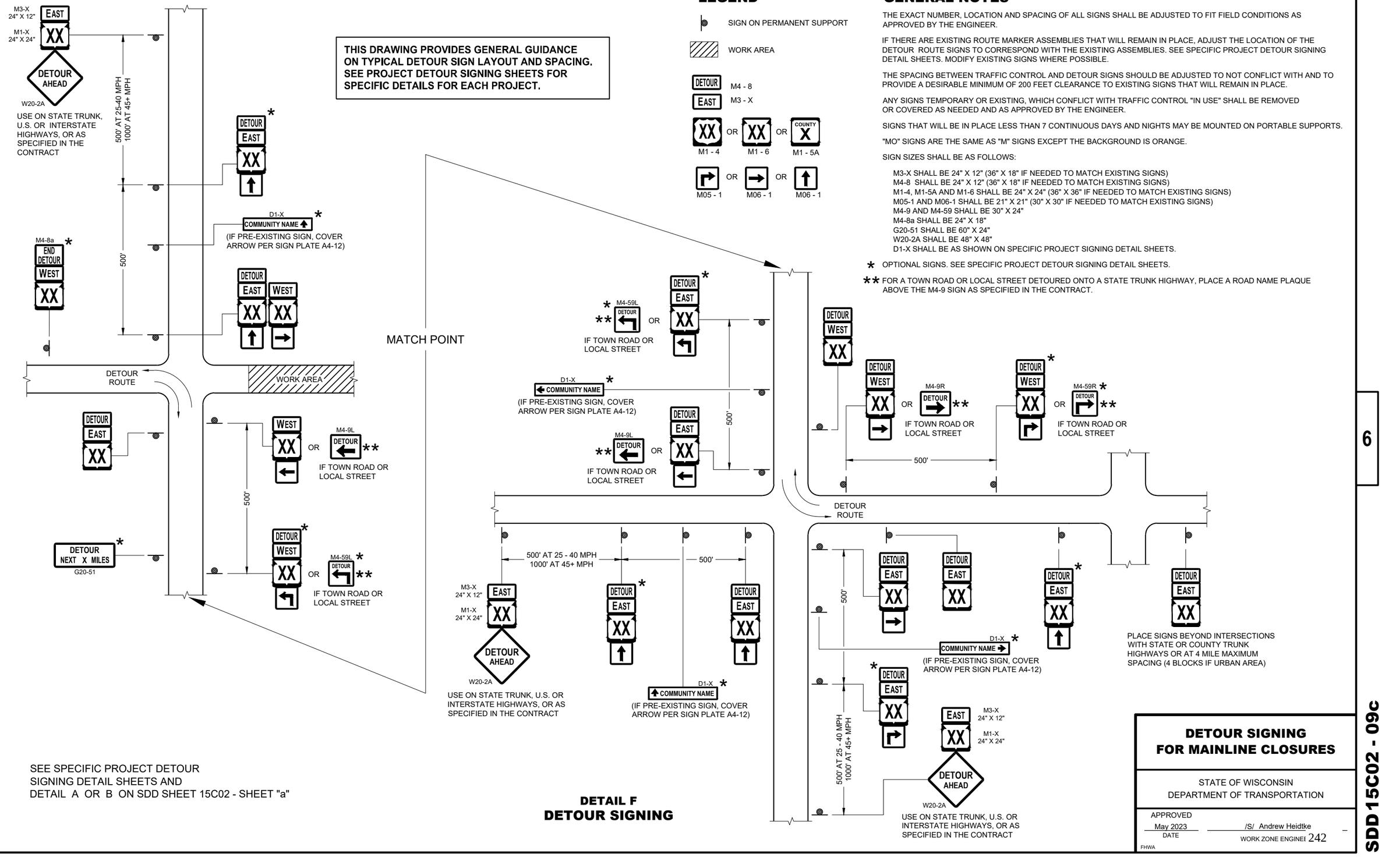
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15C02 - 09c

SDD 15C02 - 09c

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

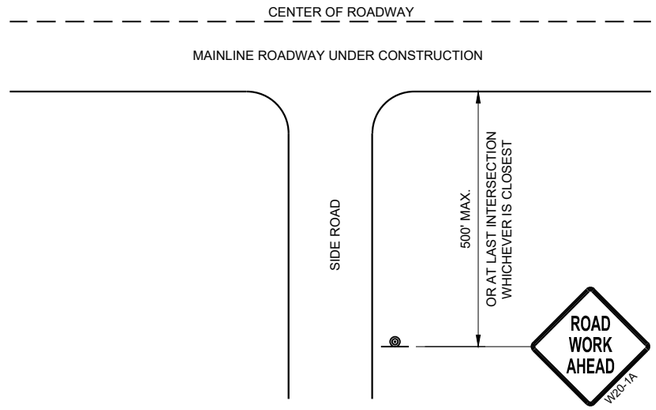
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



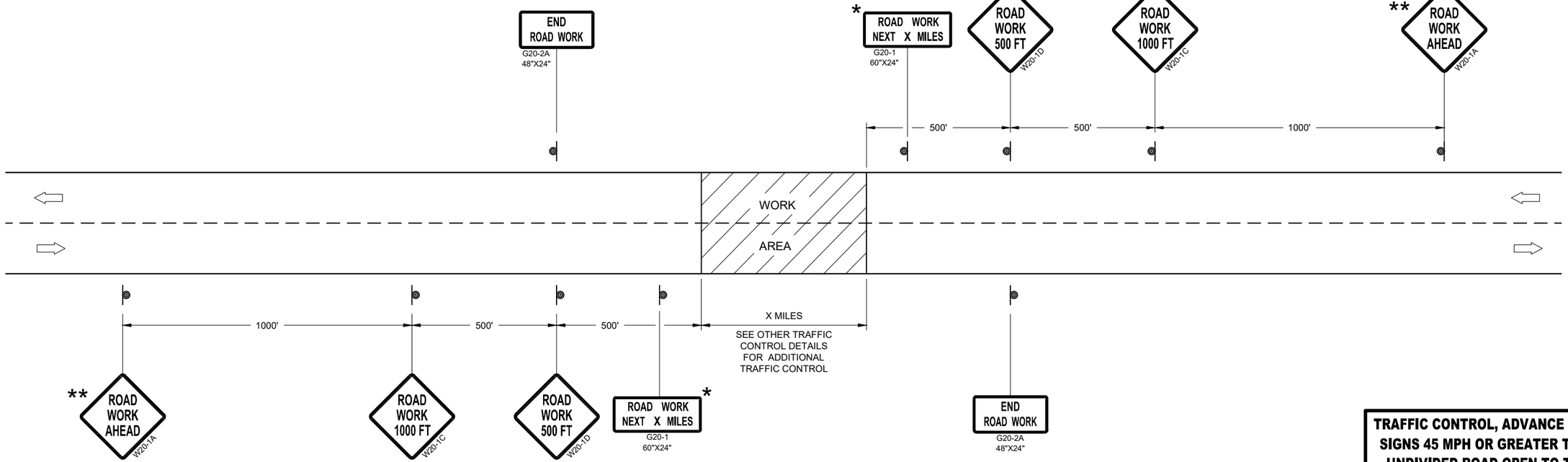
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

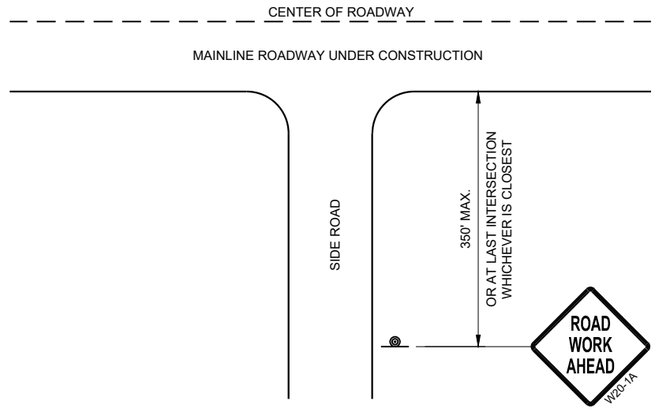
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

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

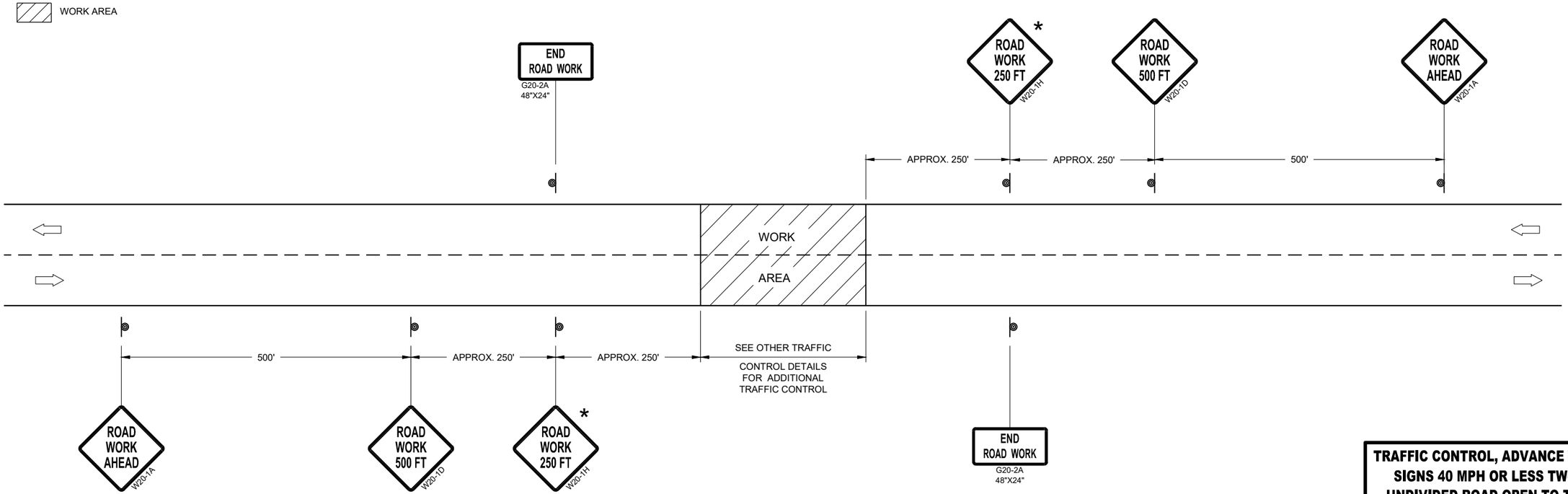
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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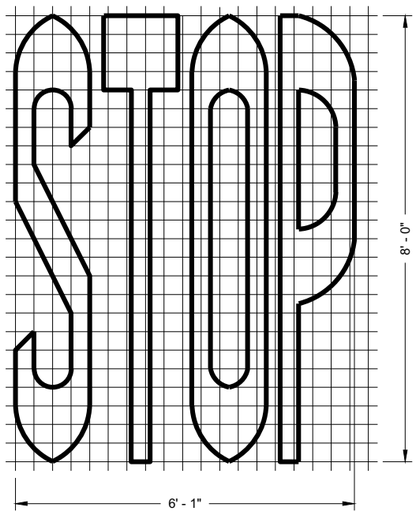
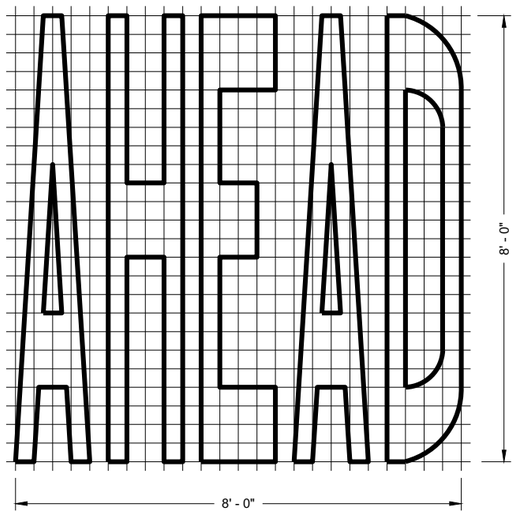
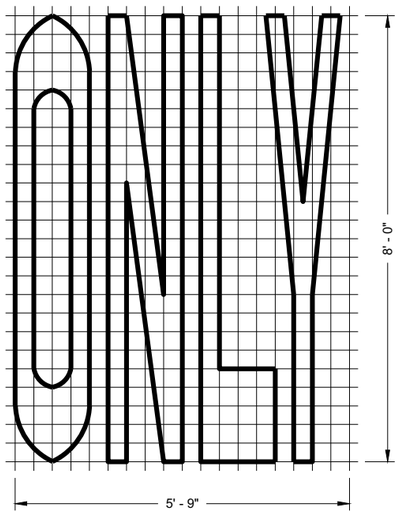
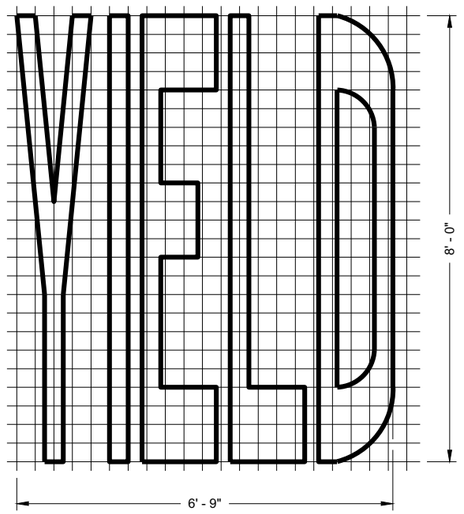
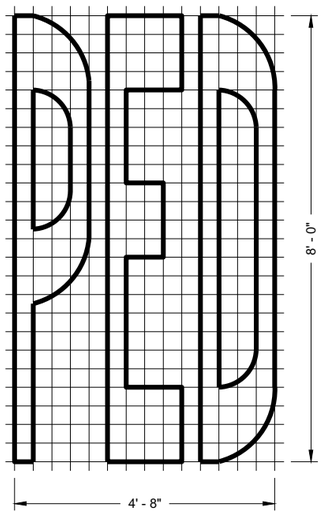
SDD 15C05 - 05



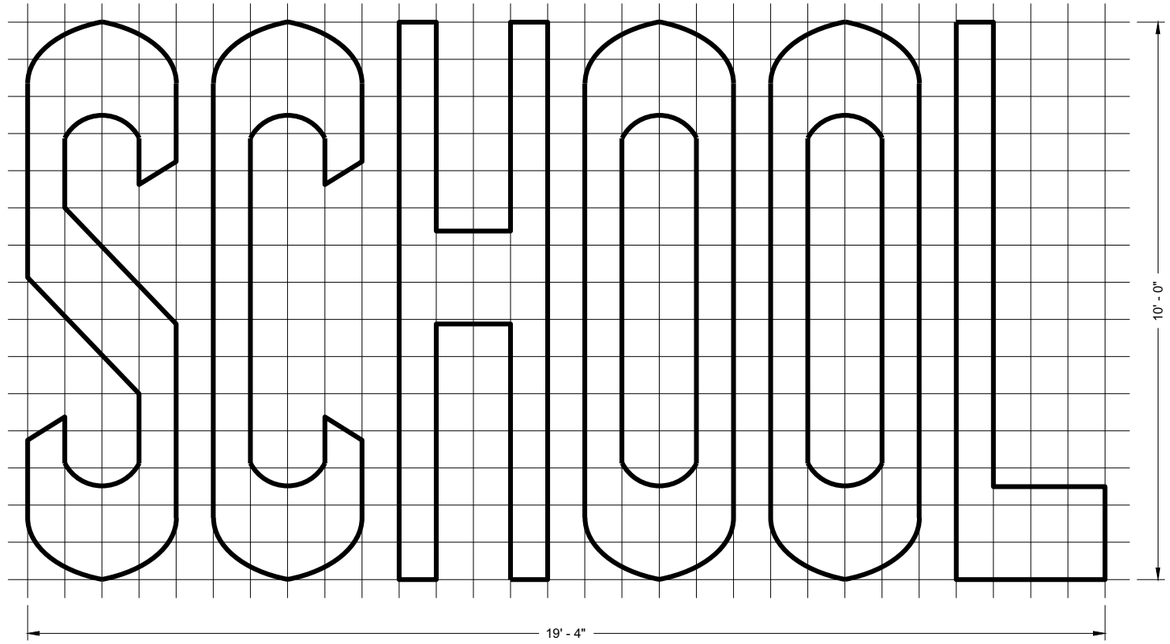








SINGLE LANE



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

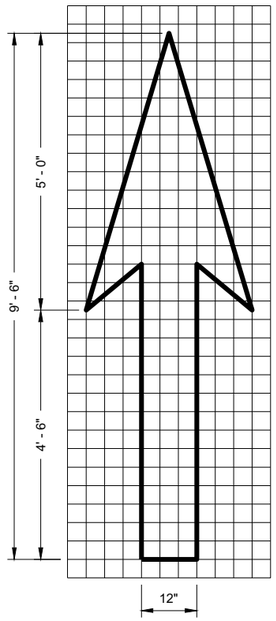
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

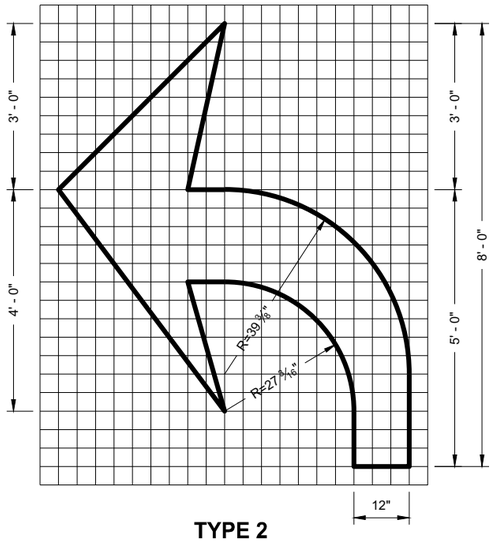
6

SDD 15C07 - 15b

SDD 15C07 - 15b



TYPE 1



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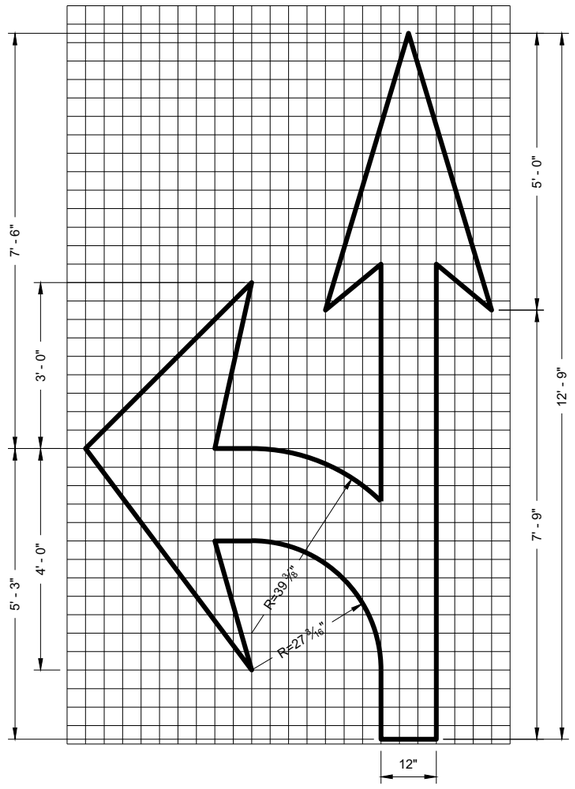
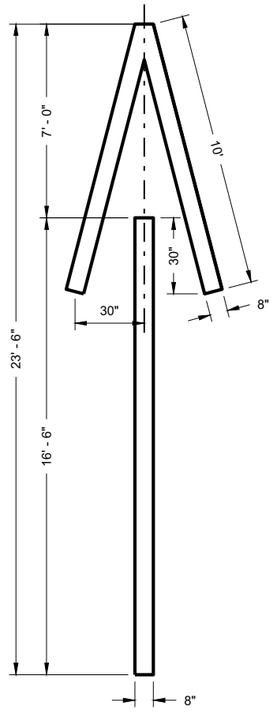


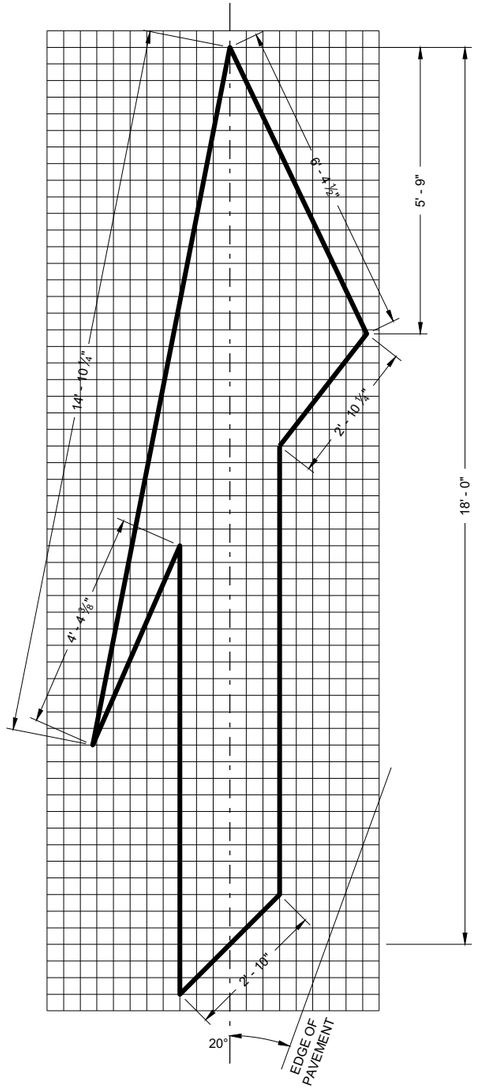
TYPE 3

GENERAL NOTES

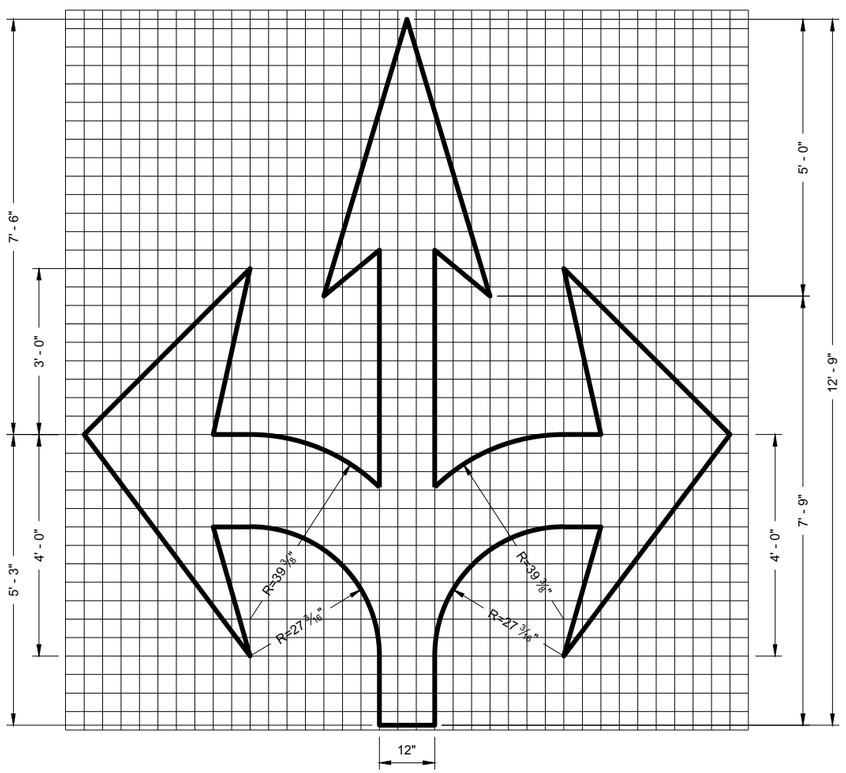
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



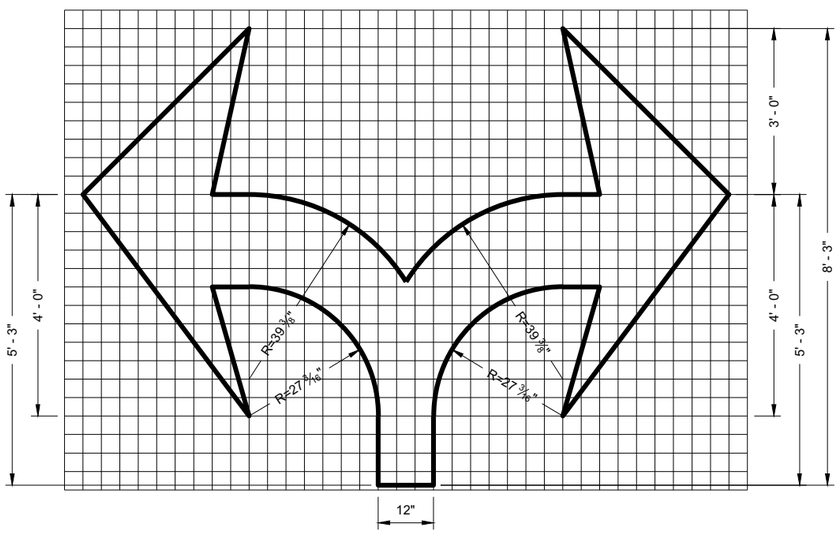
TYPE 4



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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SDD 15C07 - 15c

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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.

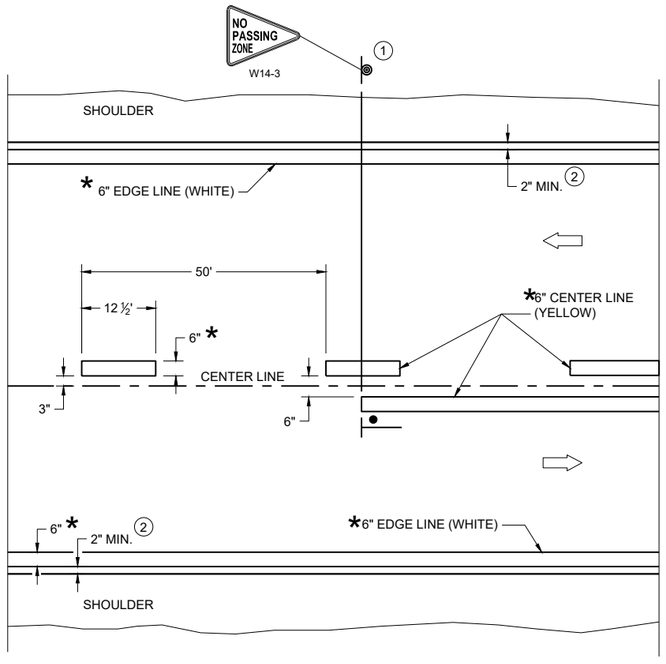
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

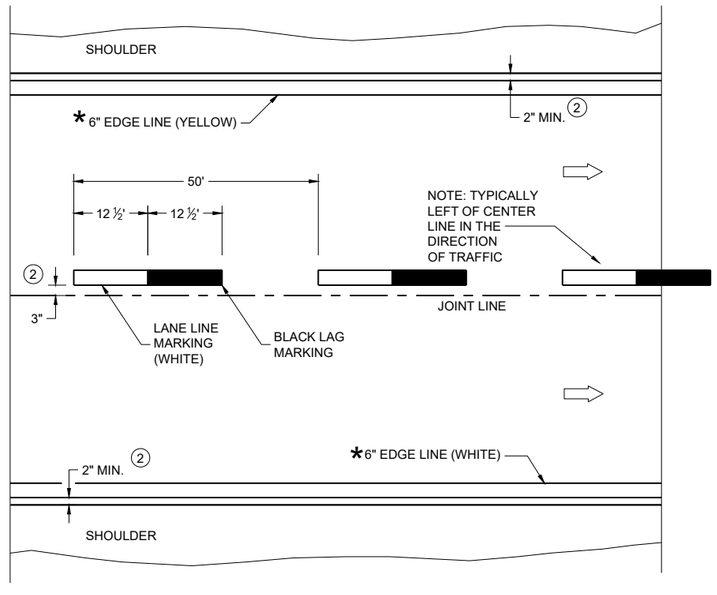
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

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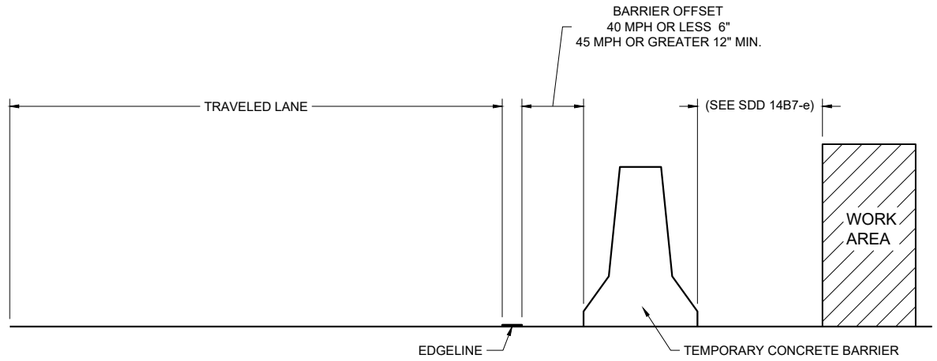
SDD 15C08-23a

SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

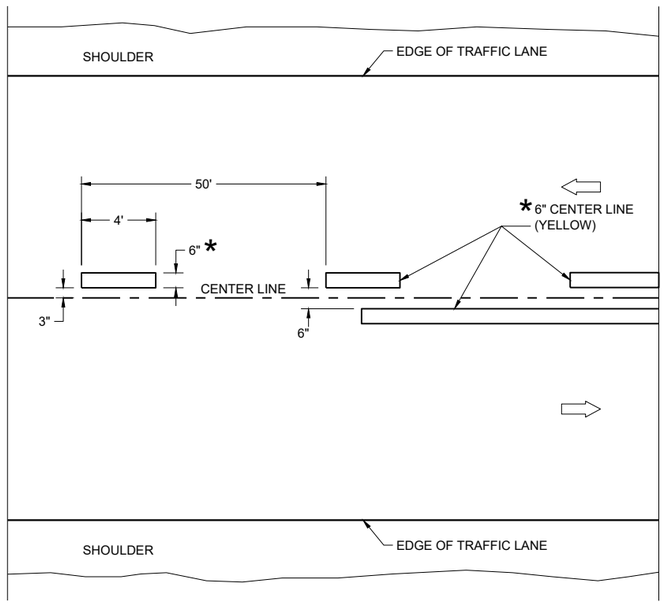
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

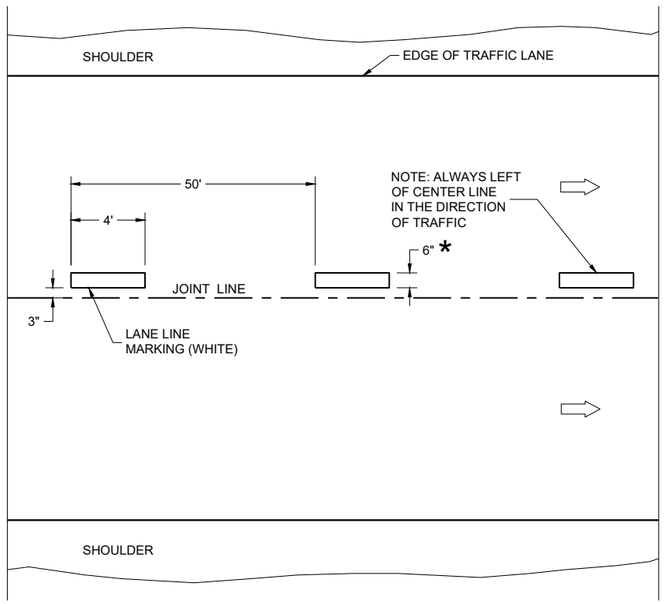
LEGEND

DIRECTION OF TRAFFIC

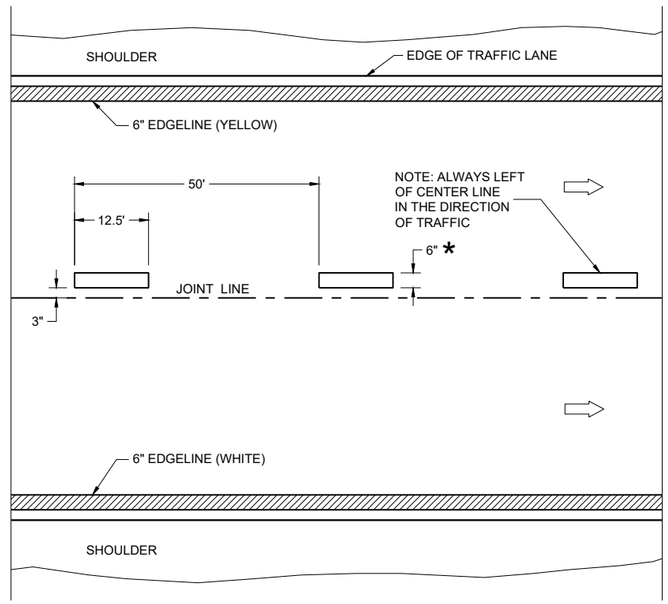
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

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SDD 15C08-23b

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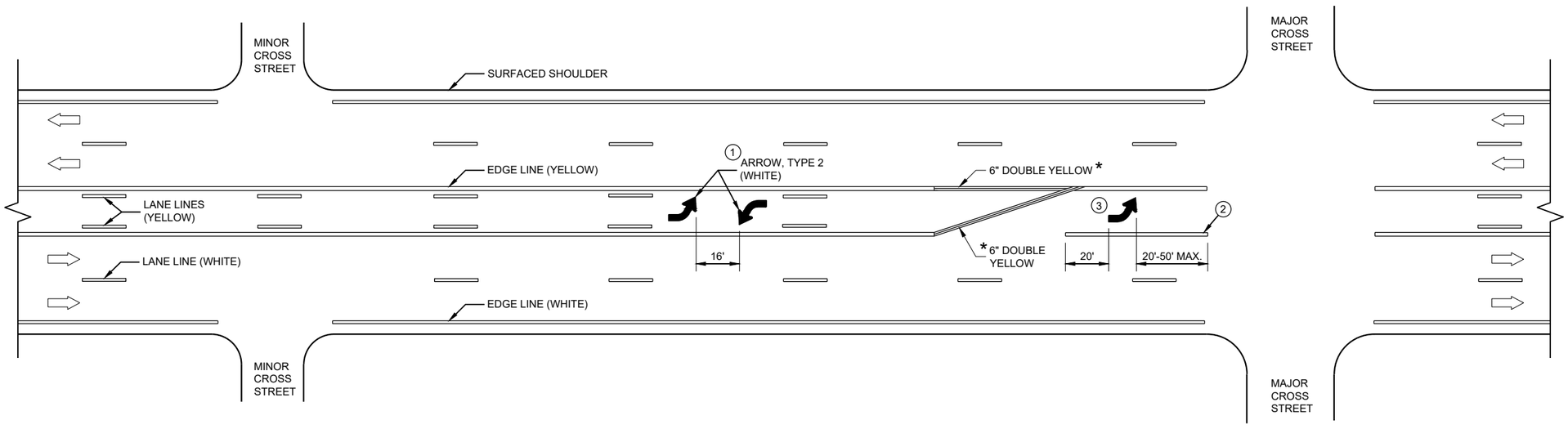
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 249

SDD 15C08-23c

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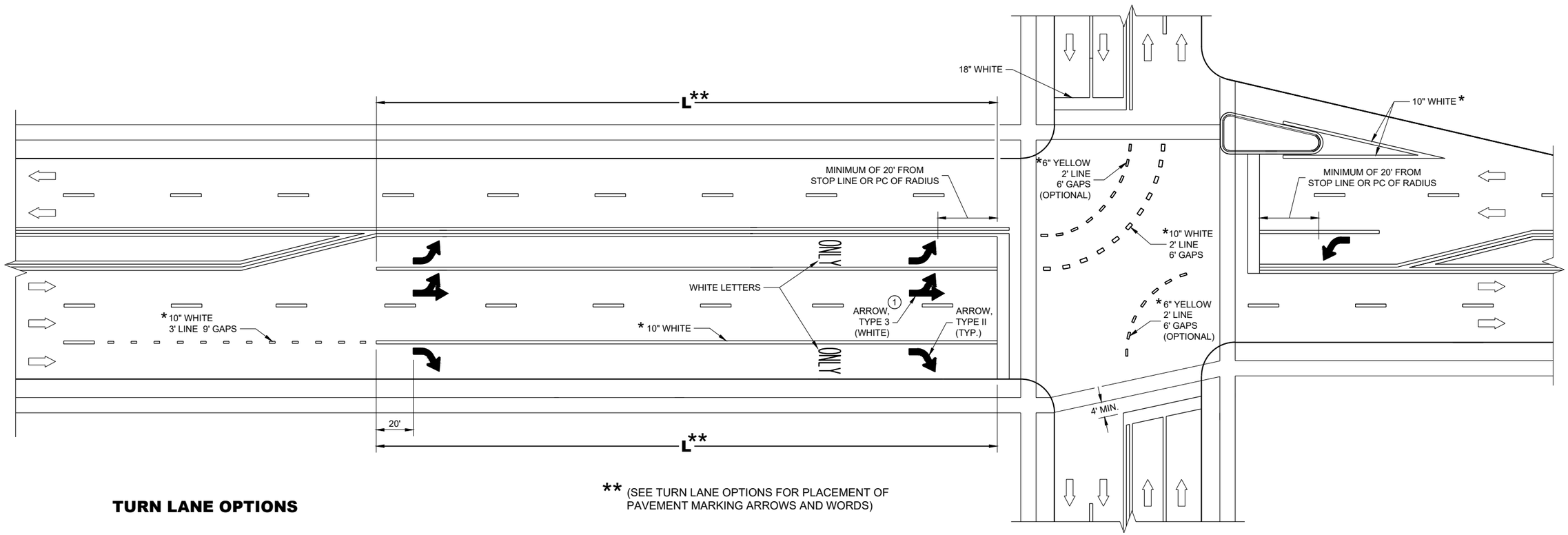
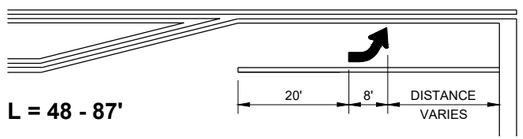


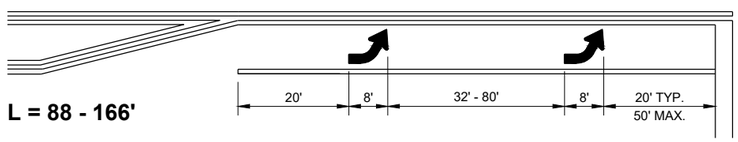
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

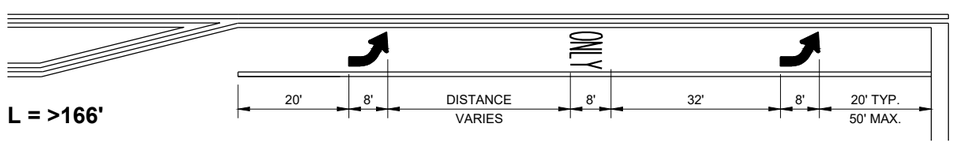
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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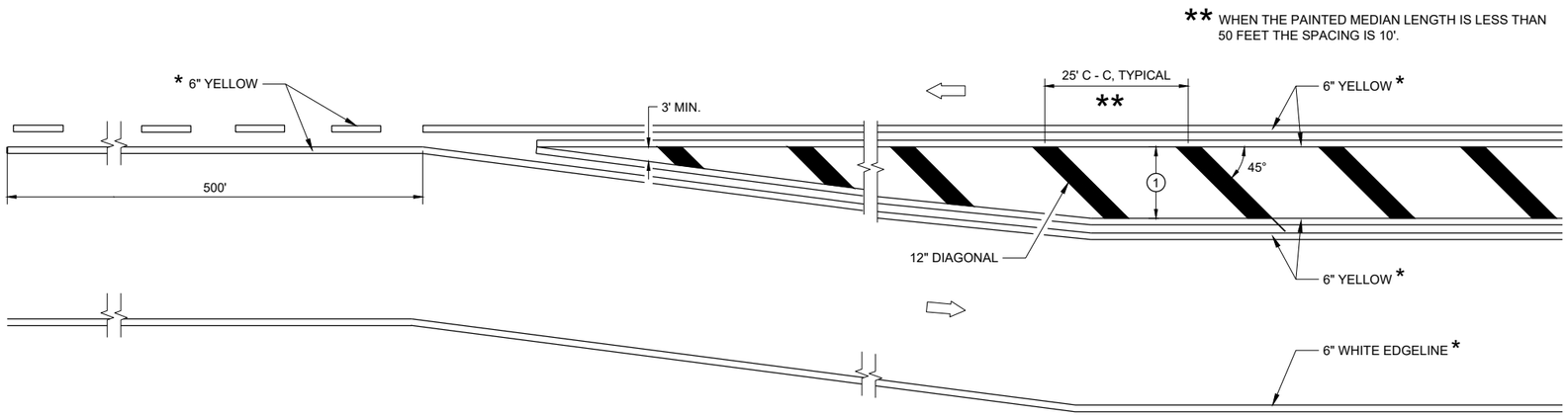
SDD 15C08-23d

SDD 15C08-23d



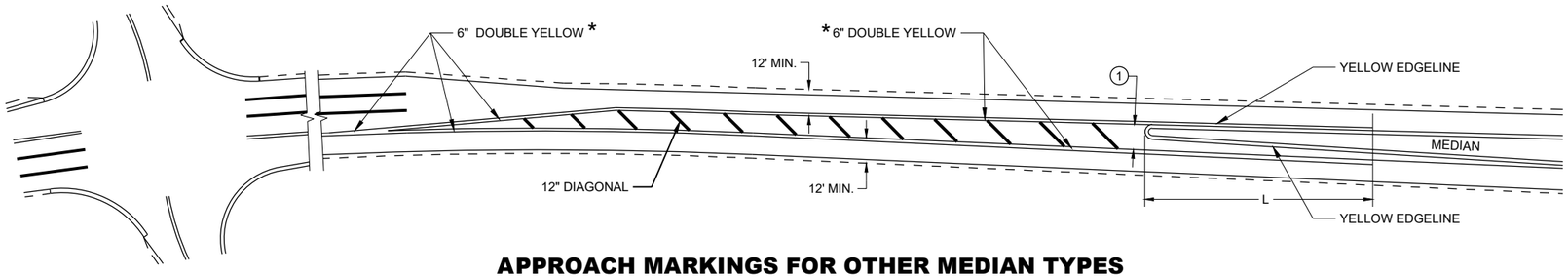
MEDIAN ISLAND DETAIL

GENERAL NOTES

1. DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

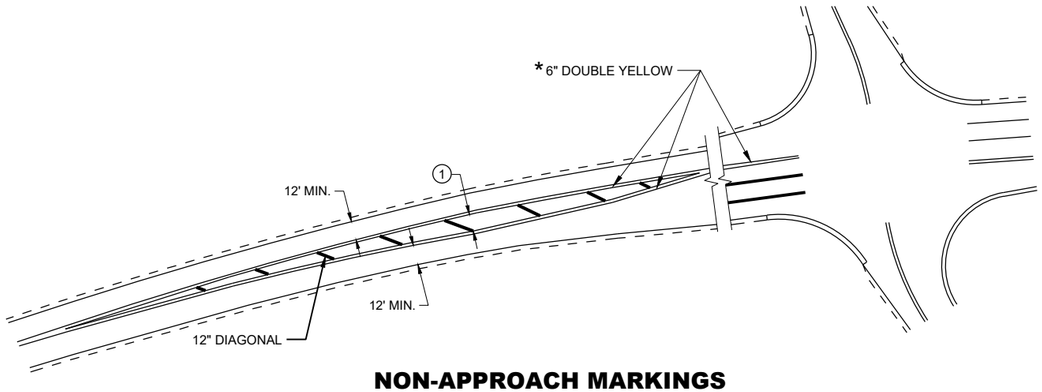
DIRECTION OF TRAVEL

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

SPEED LIMIT	L
<35 MPH	5'
35> MPH	50'



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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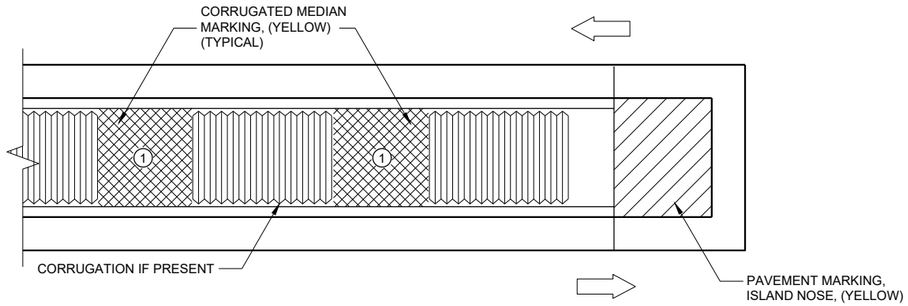
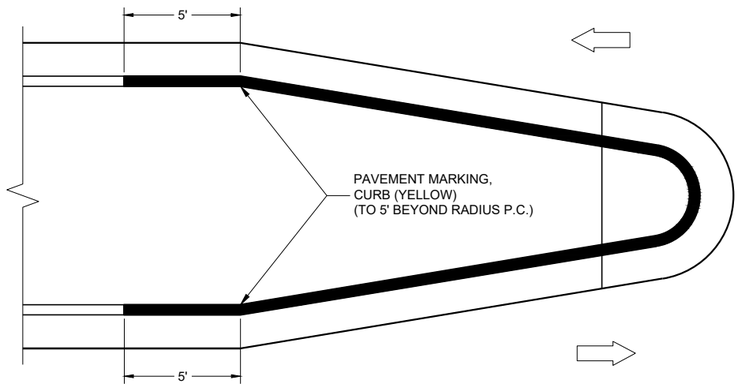
SDD 15C18-08a

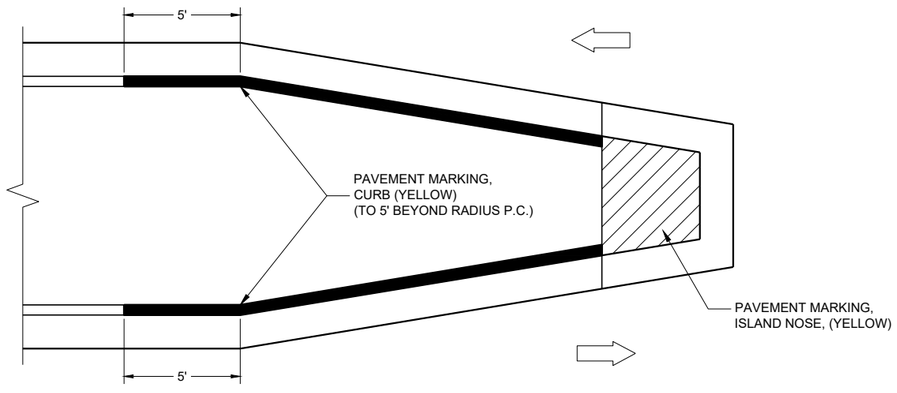
SDD 15C18-08a



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 2023
DATE

/S/ Jeannie Silver
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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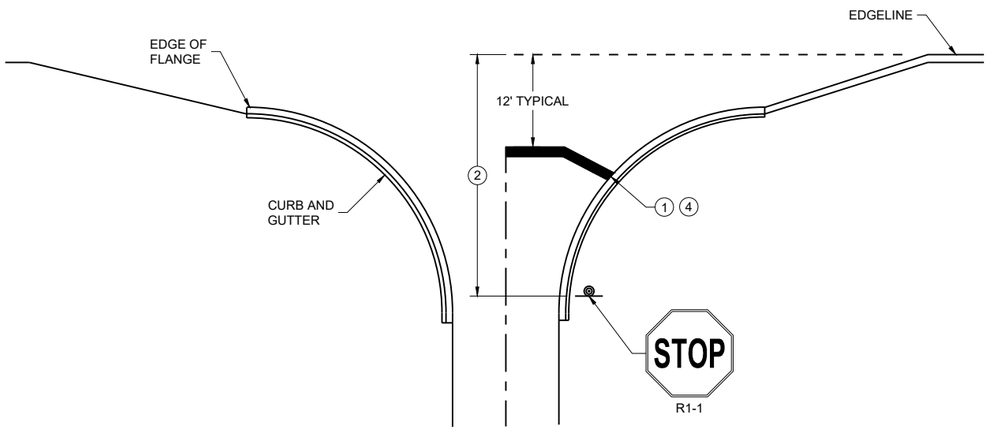
SDD 15C18-08b

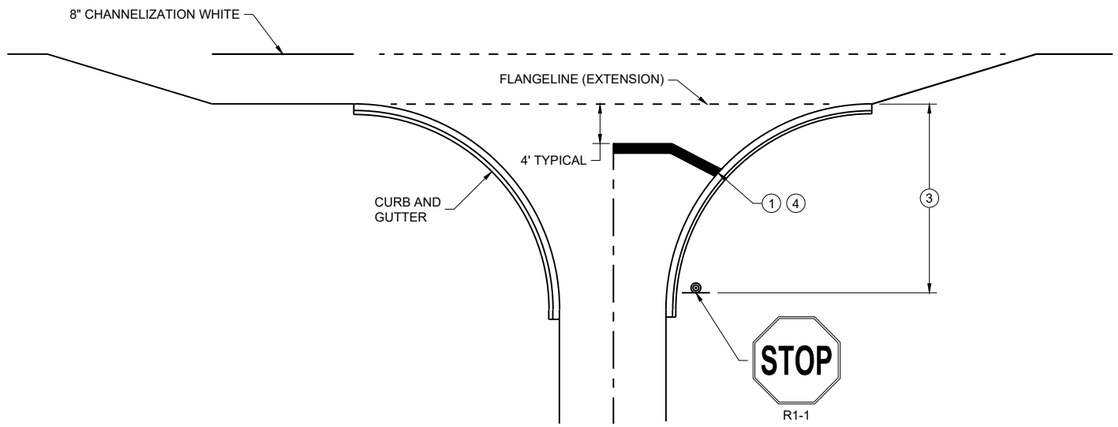
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

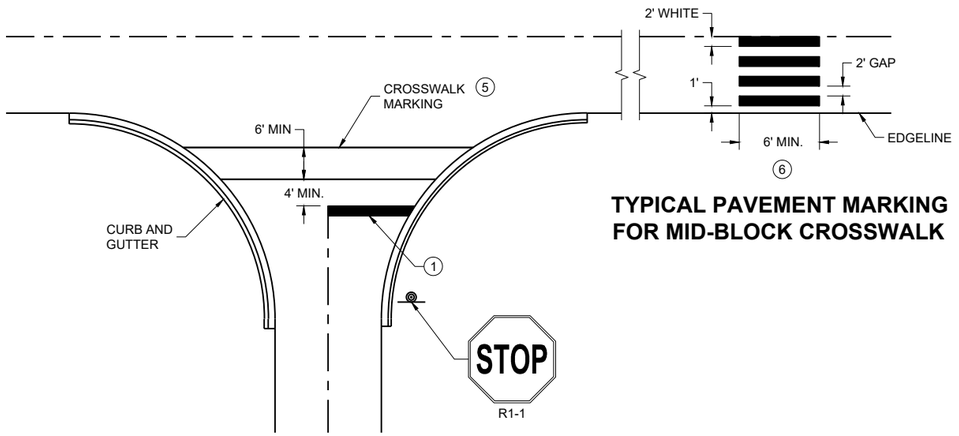
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

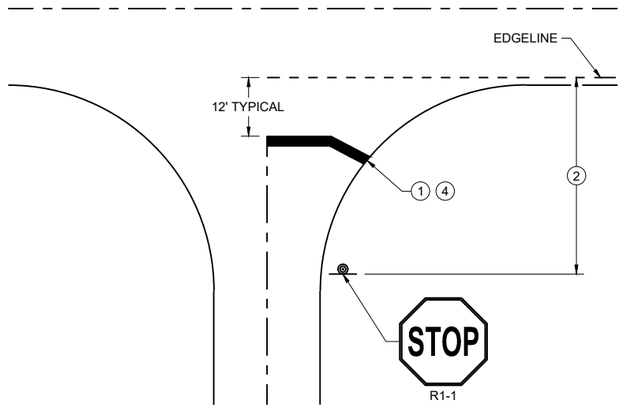


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK (5)

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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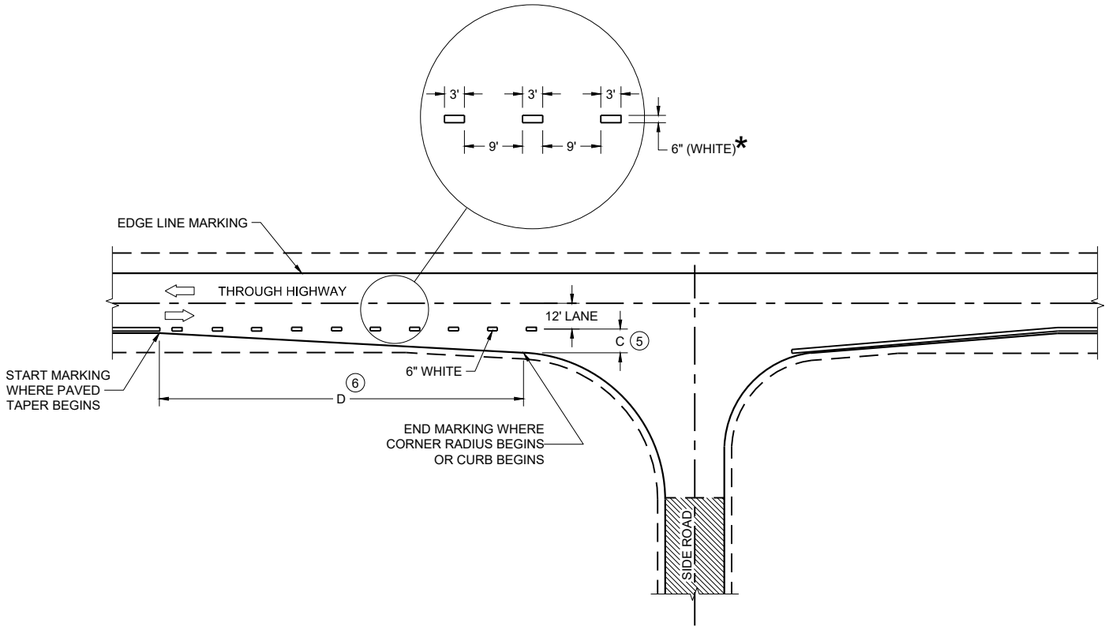
SDD 15C33-05



MINOR INTERSECTION

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

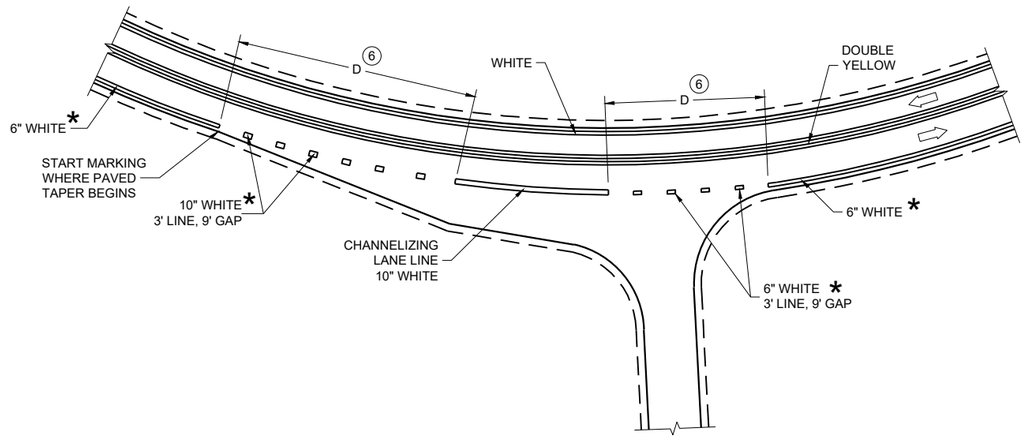
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

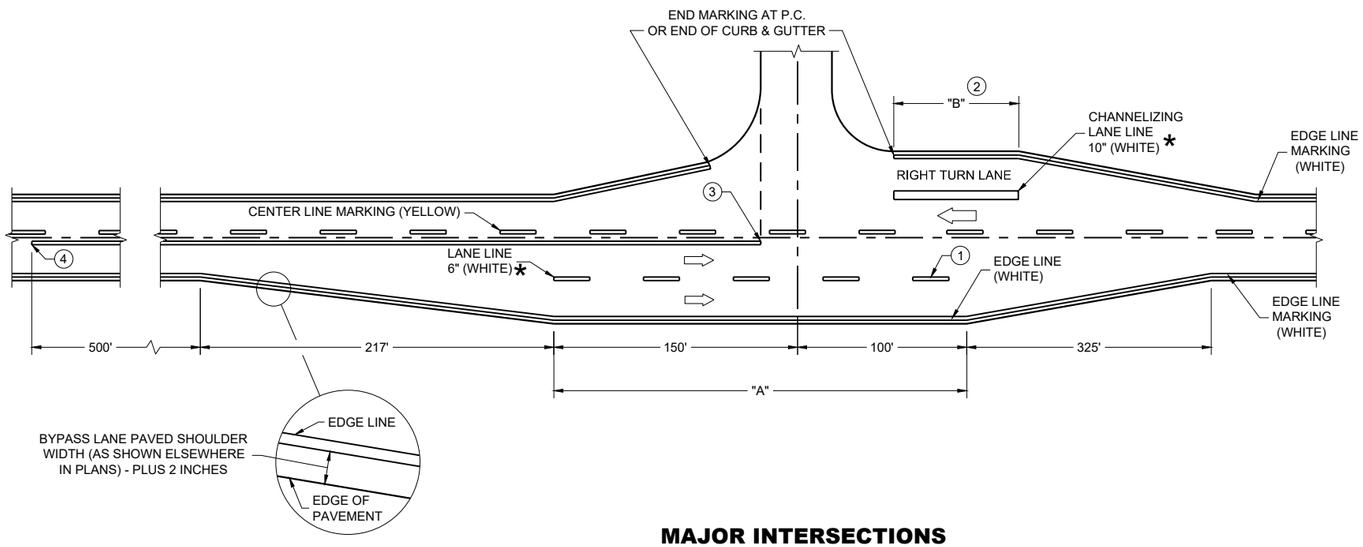
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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" 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 OR AS APPROVED BY THE ENGINEER.

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.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

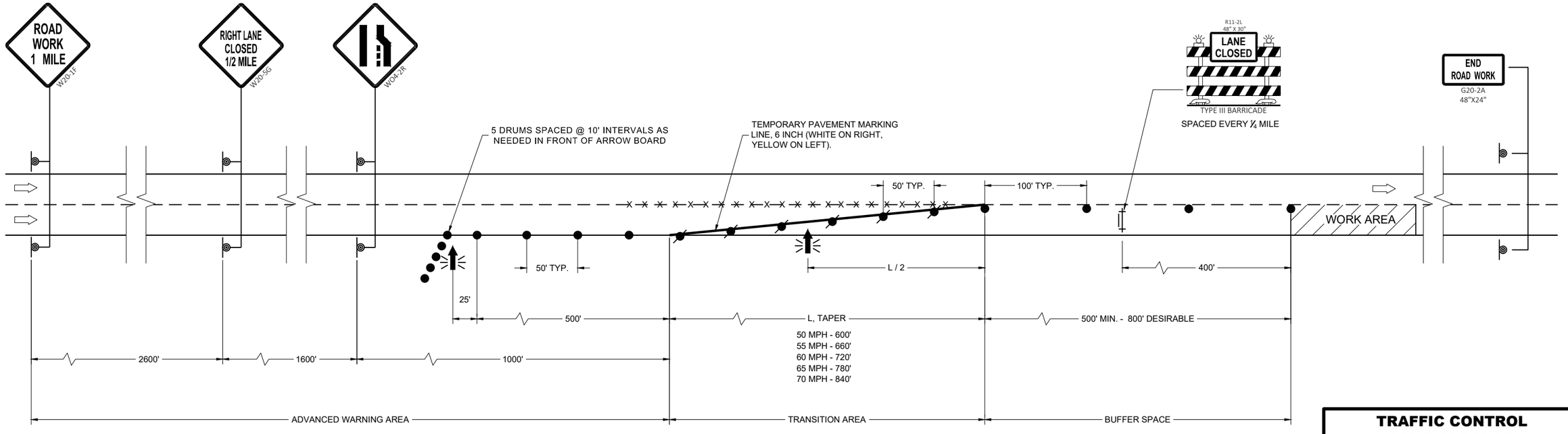
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2023
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15D12-12a

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SDD 15D12-12a

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
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- 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.

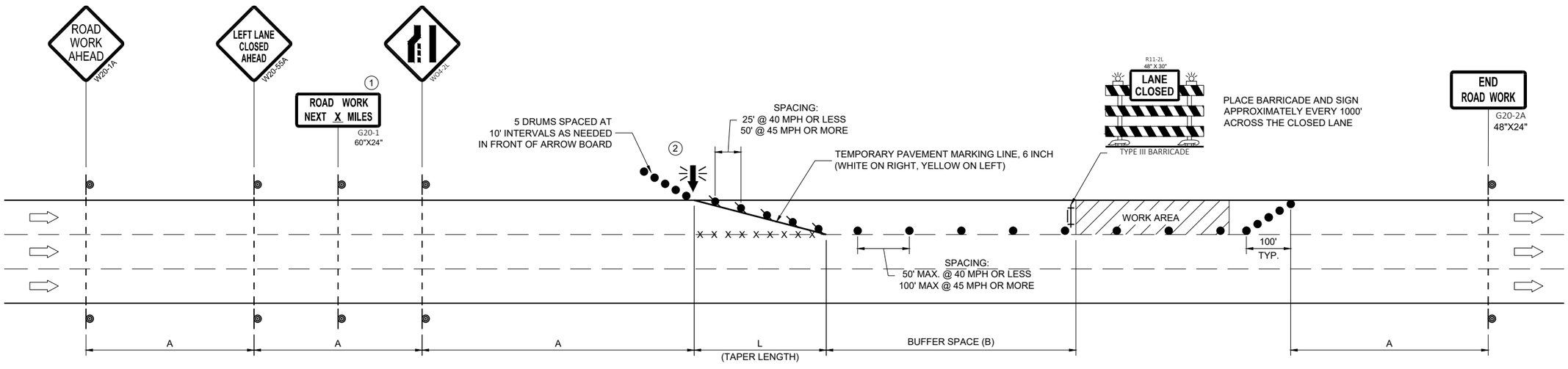
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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
March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

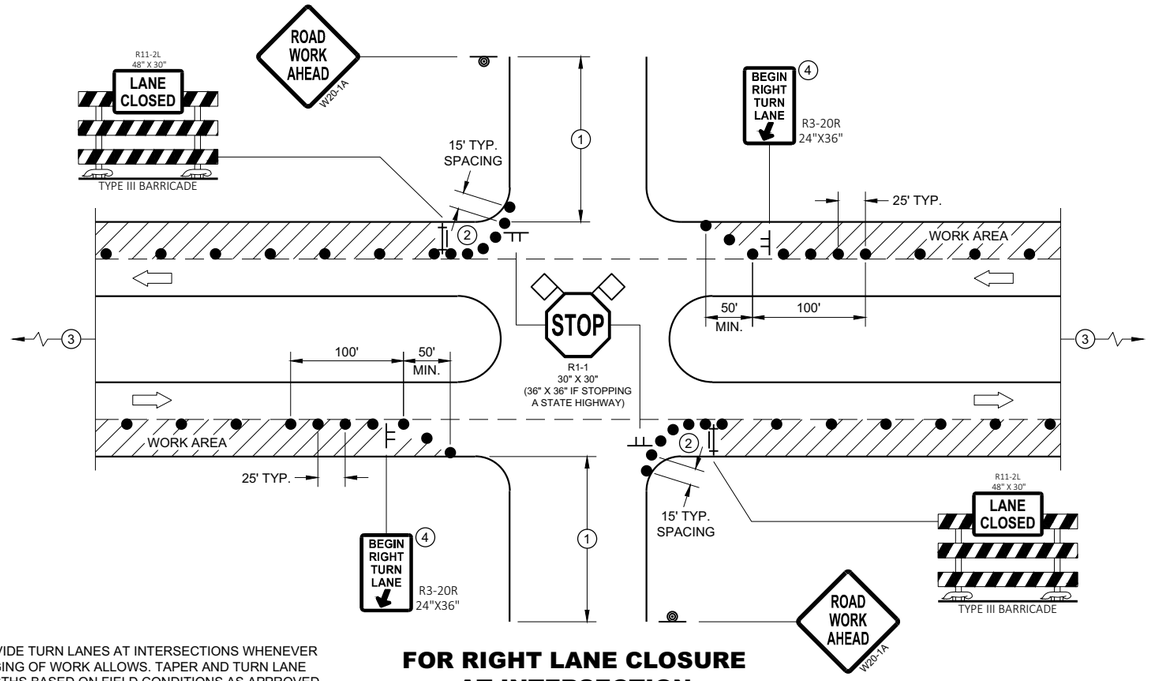
FHWA

6

SDD 15D20-08a

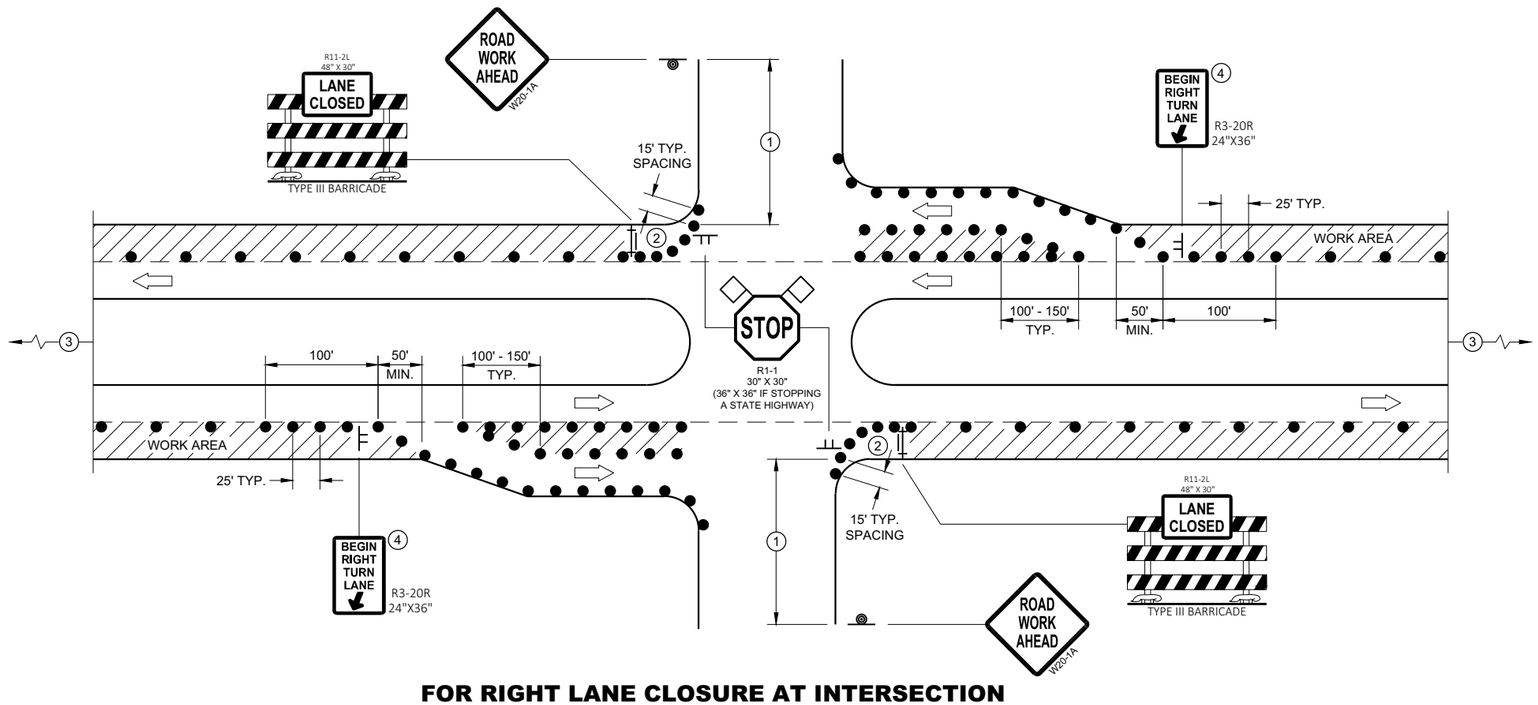
6

SDD 15D20-08a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

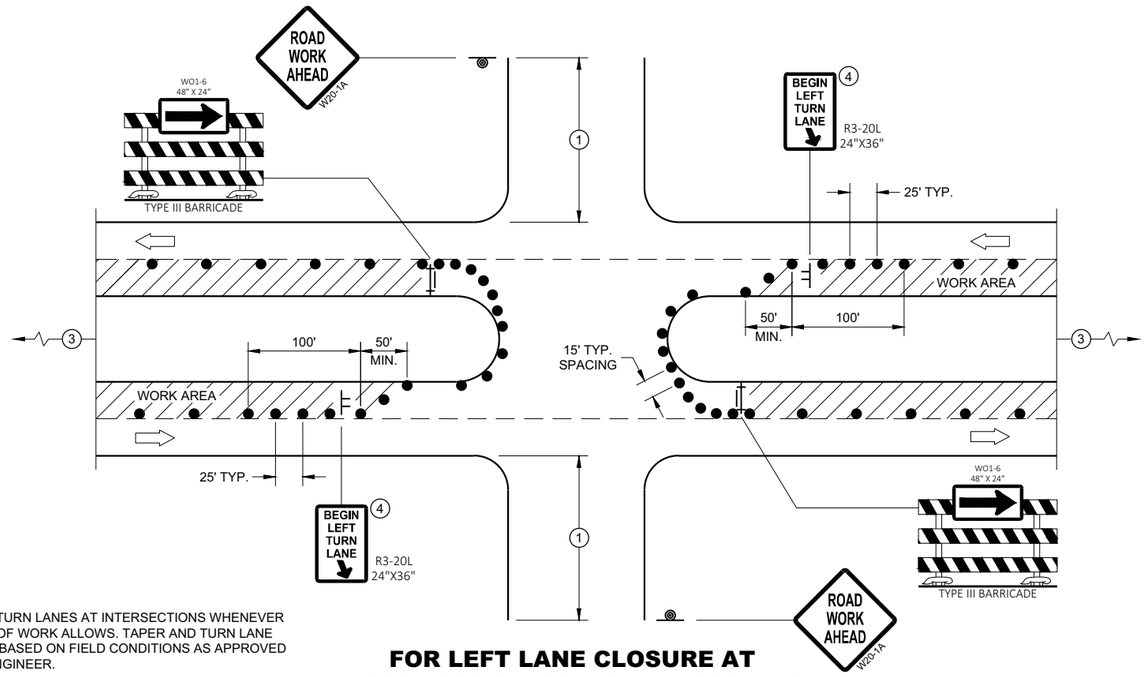
LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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.

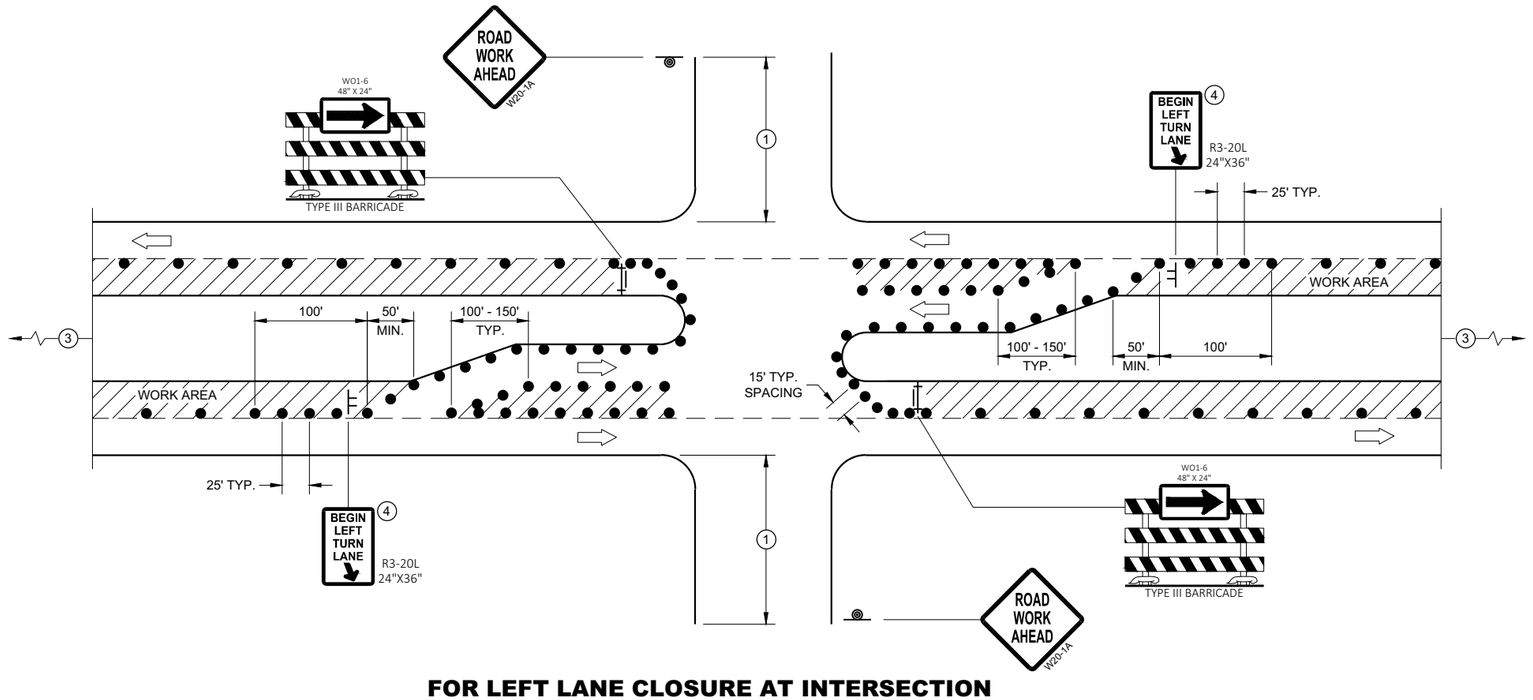
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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

GENERAL NOTES

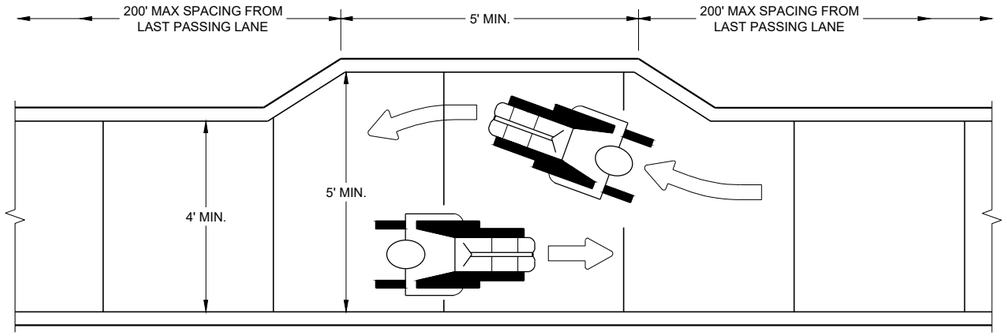
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

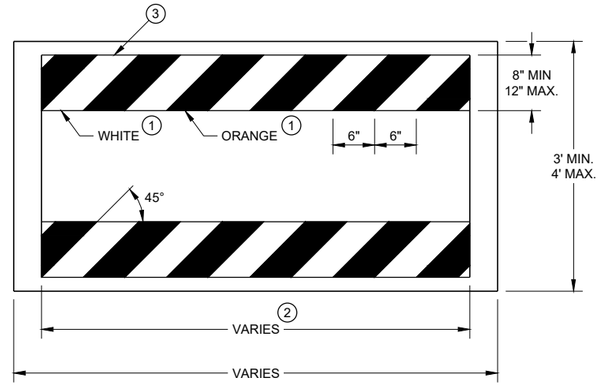
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

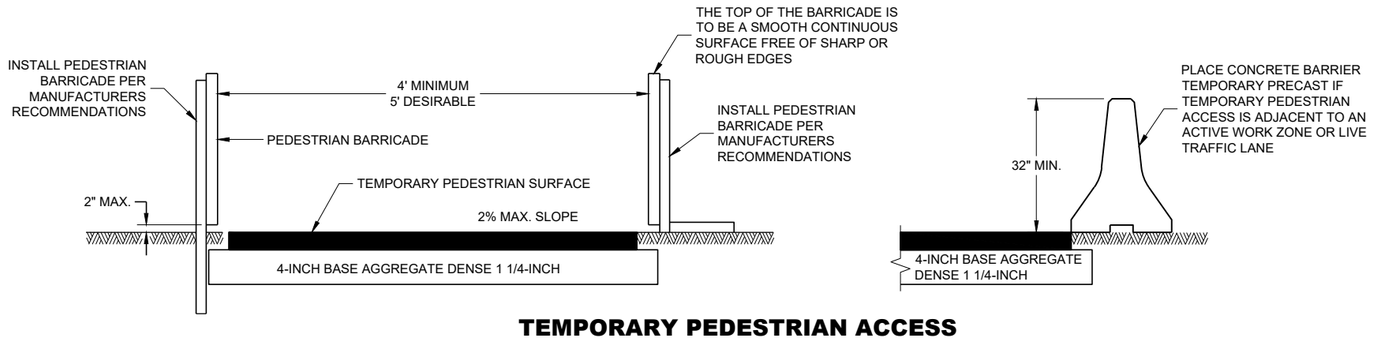
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

6

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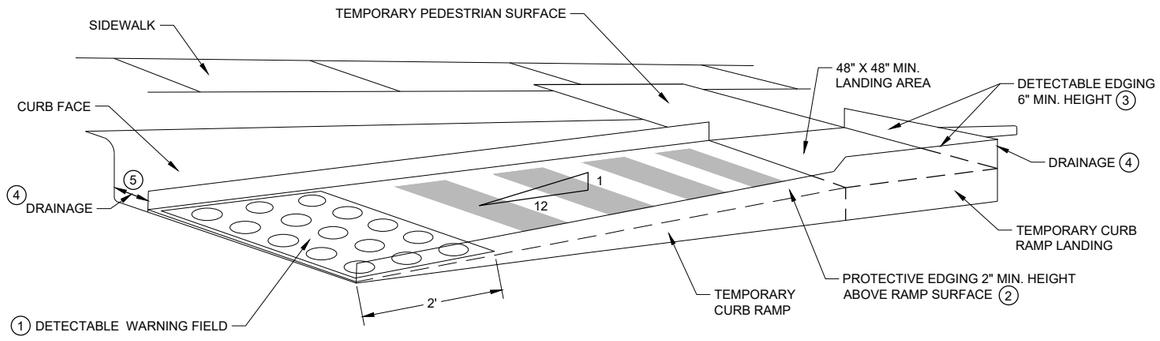
SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

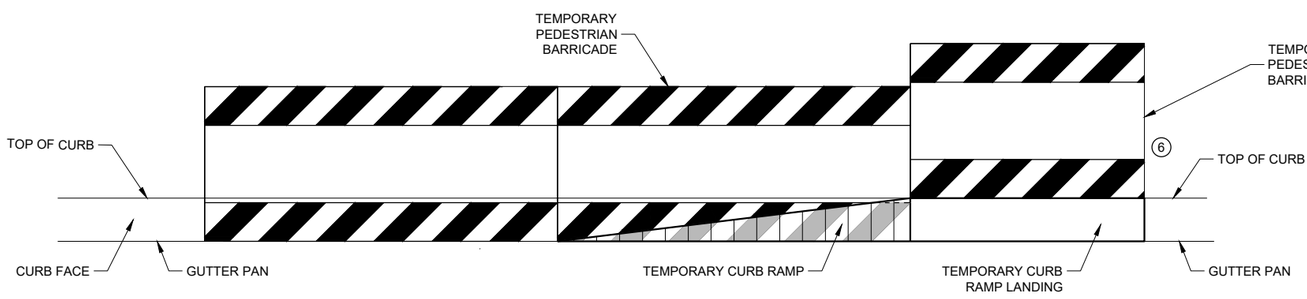
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

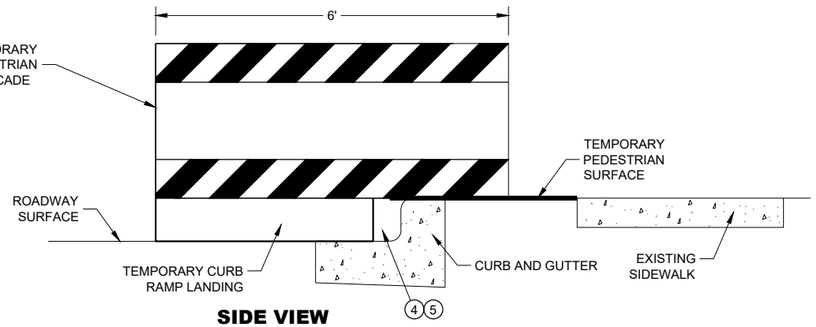
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

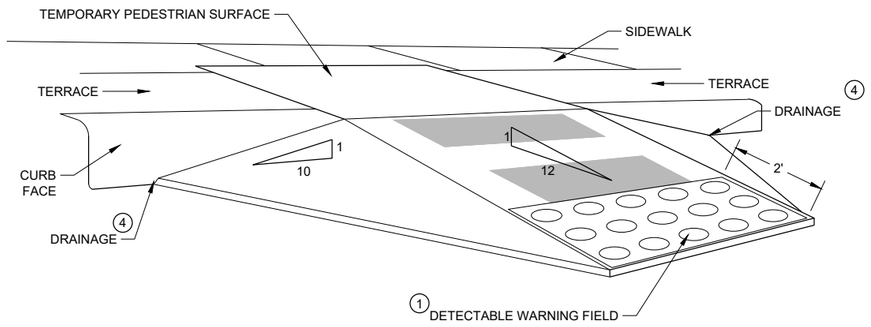
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

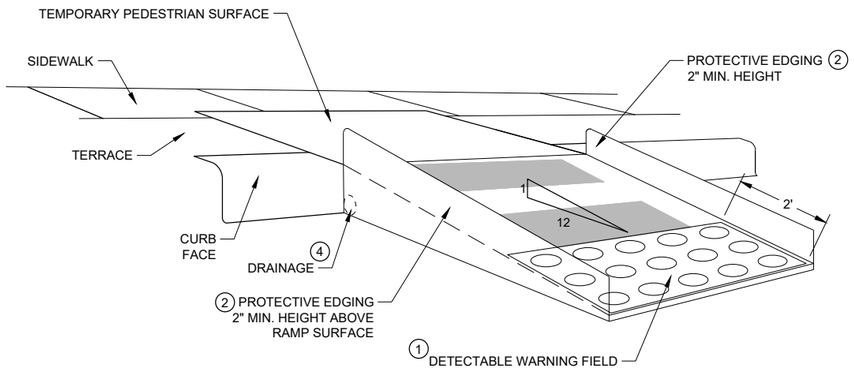
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b



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).

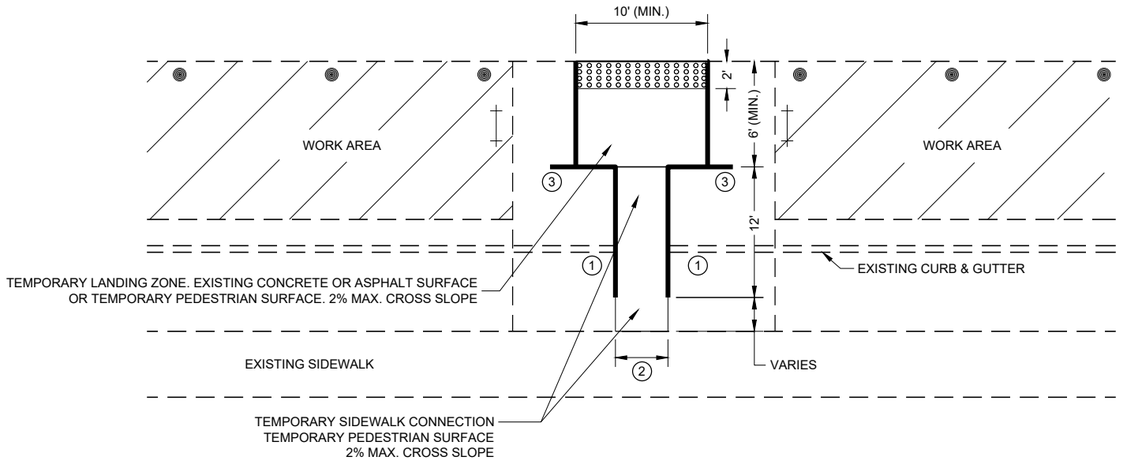
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

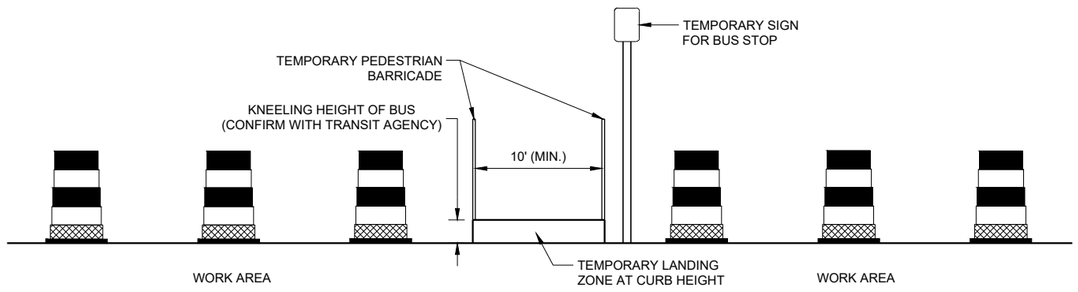
6

SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



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 - 09e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09e

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

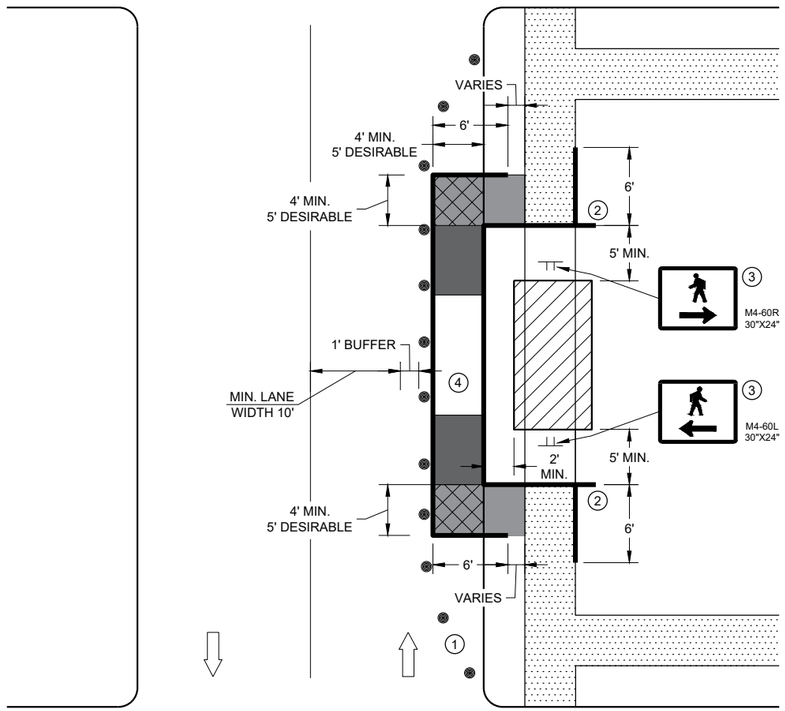
GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.
2. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
4. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

6

SDD 15D30 - 09h

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

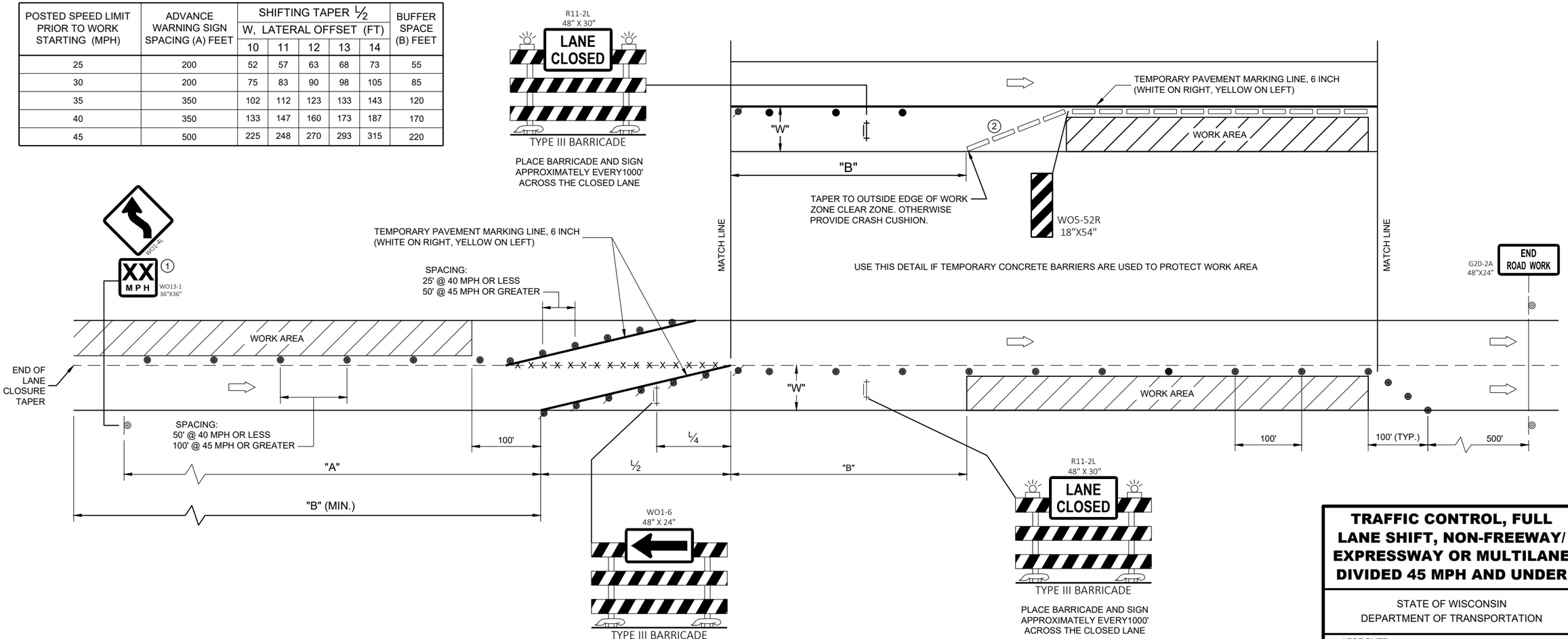
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D40-05a

6

SDD 15D40-05a

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

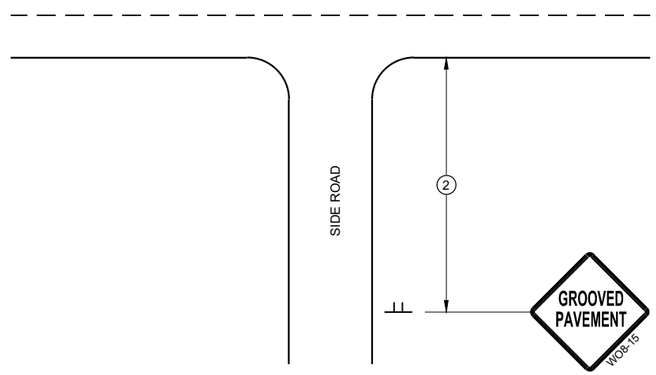
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

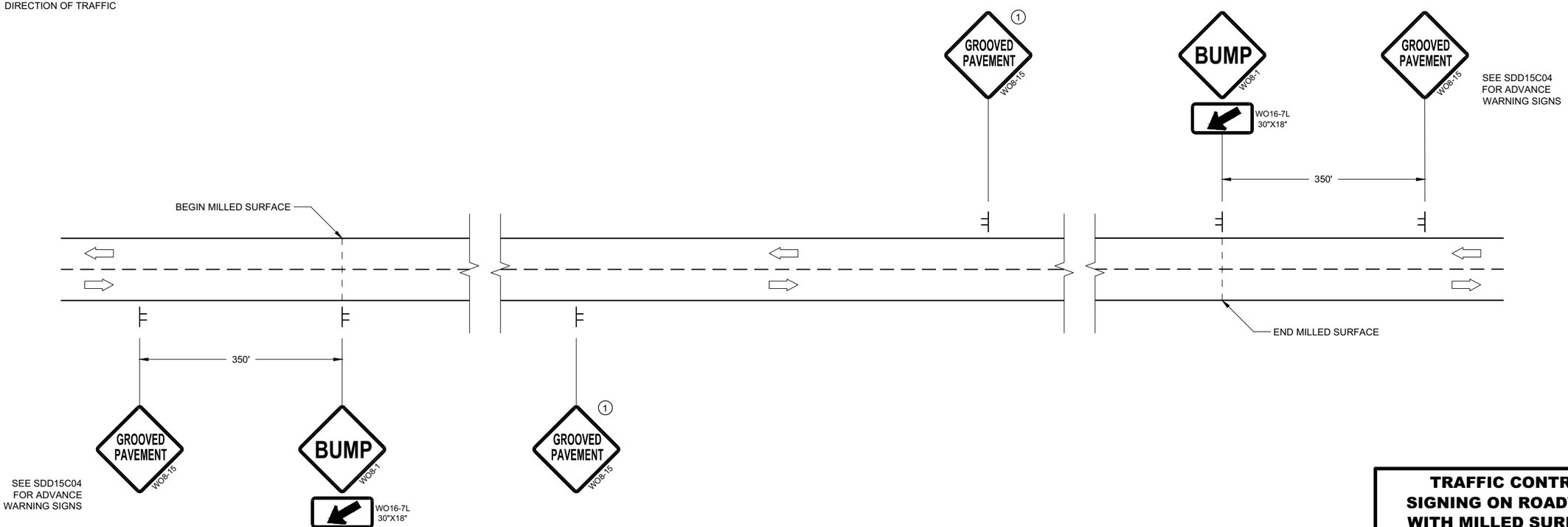
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D44 - 02

SDD 15D44 - 02

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

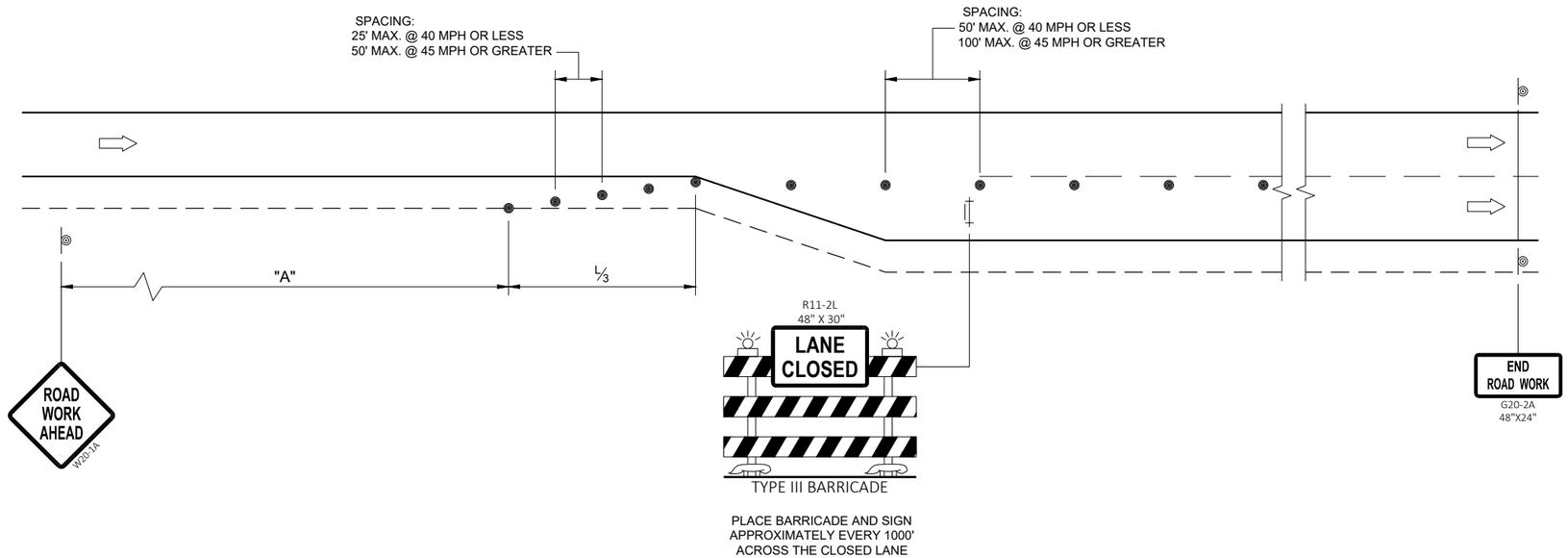
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D50-03a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

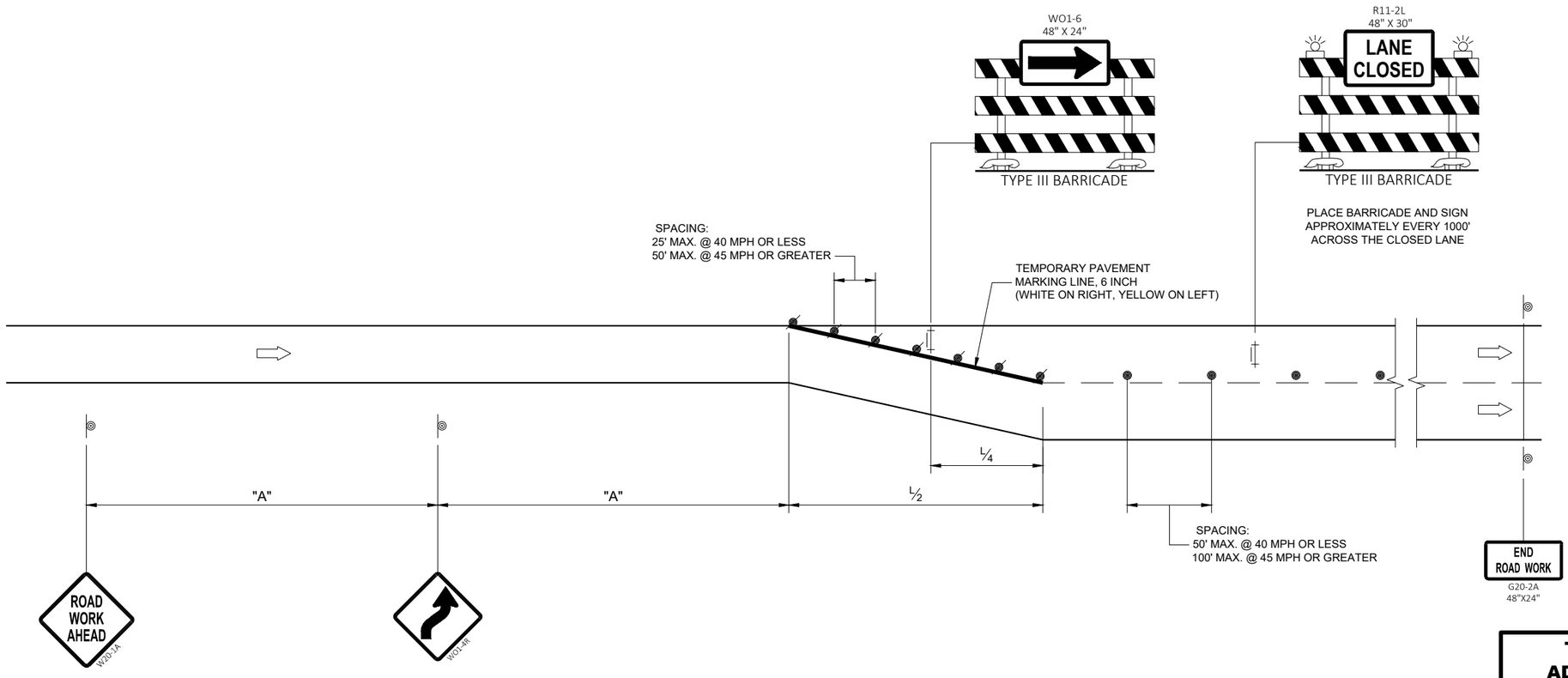
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



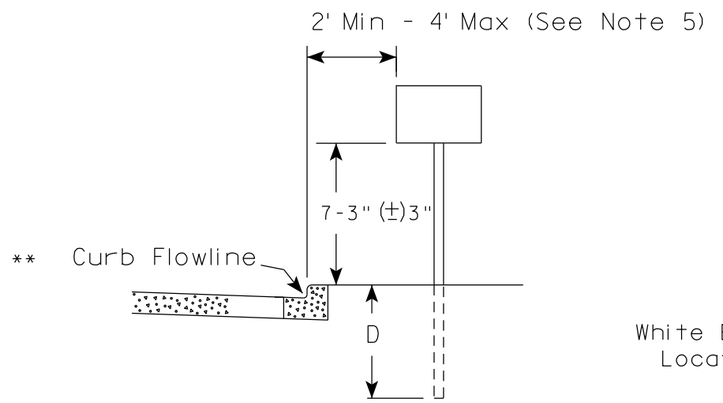
TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

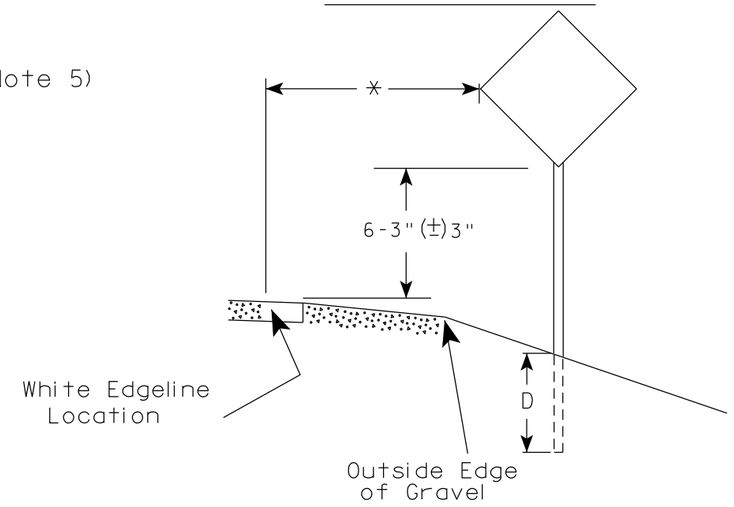
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

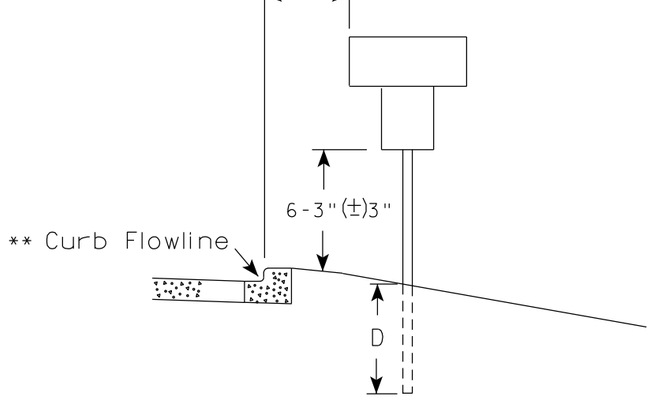
6
SDD 15D50-03b

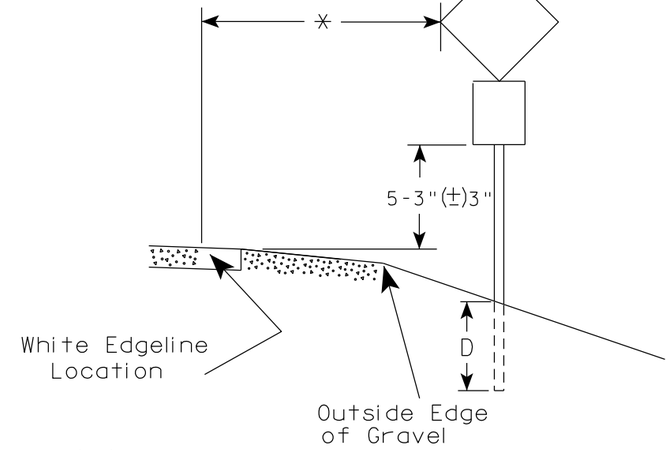
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

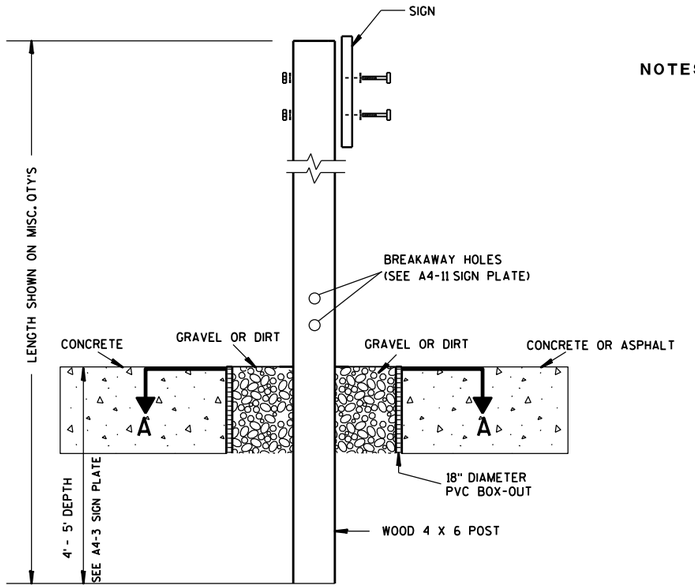
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

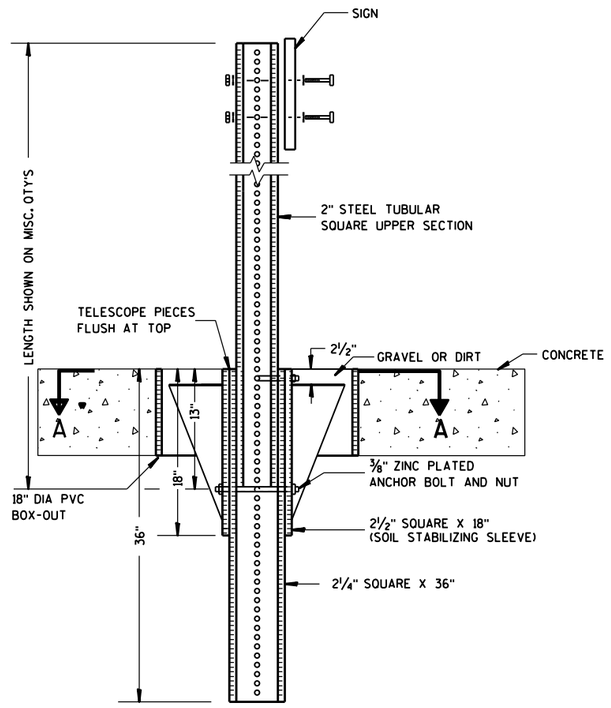
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 268	E



ELEVATION VIEW

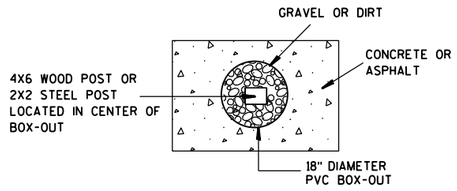
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

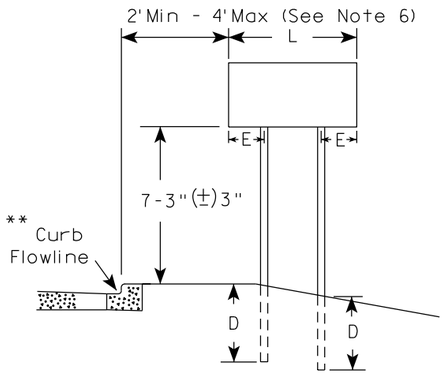
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

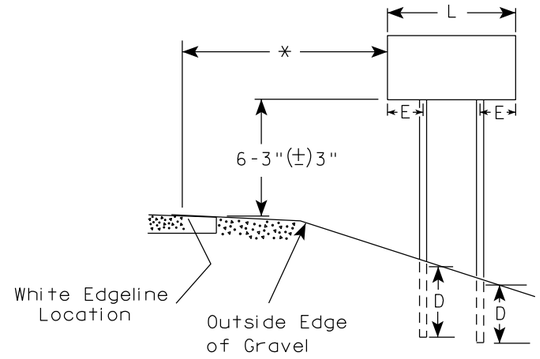
DATE 1/27/14 PLATE NO. A4-3B.1

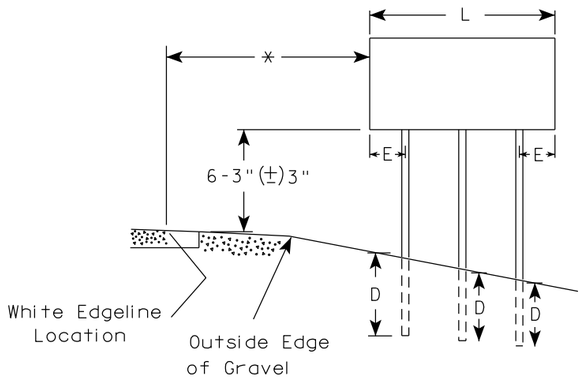
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

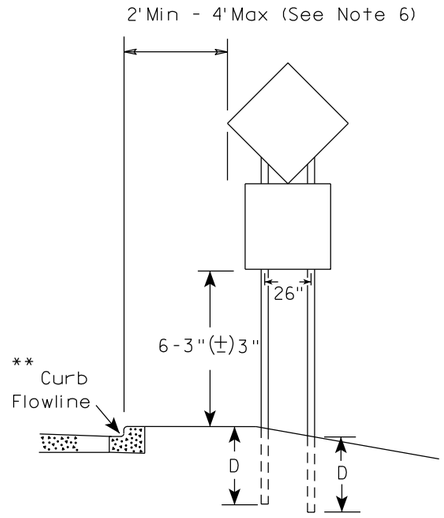
URBAN AREA



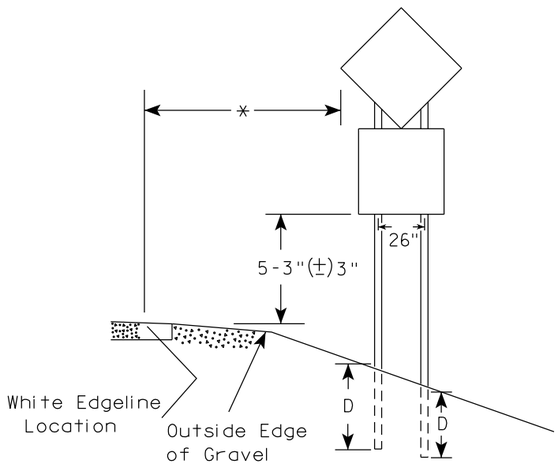
RURAL AREA (See Note 3)







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" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

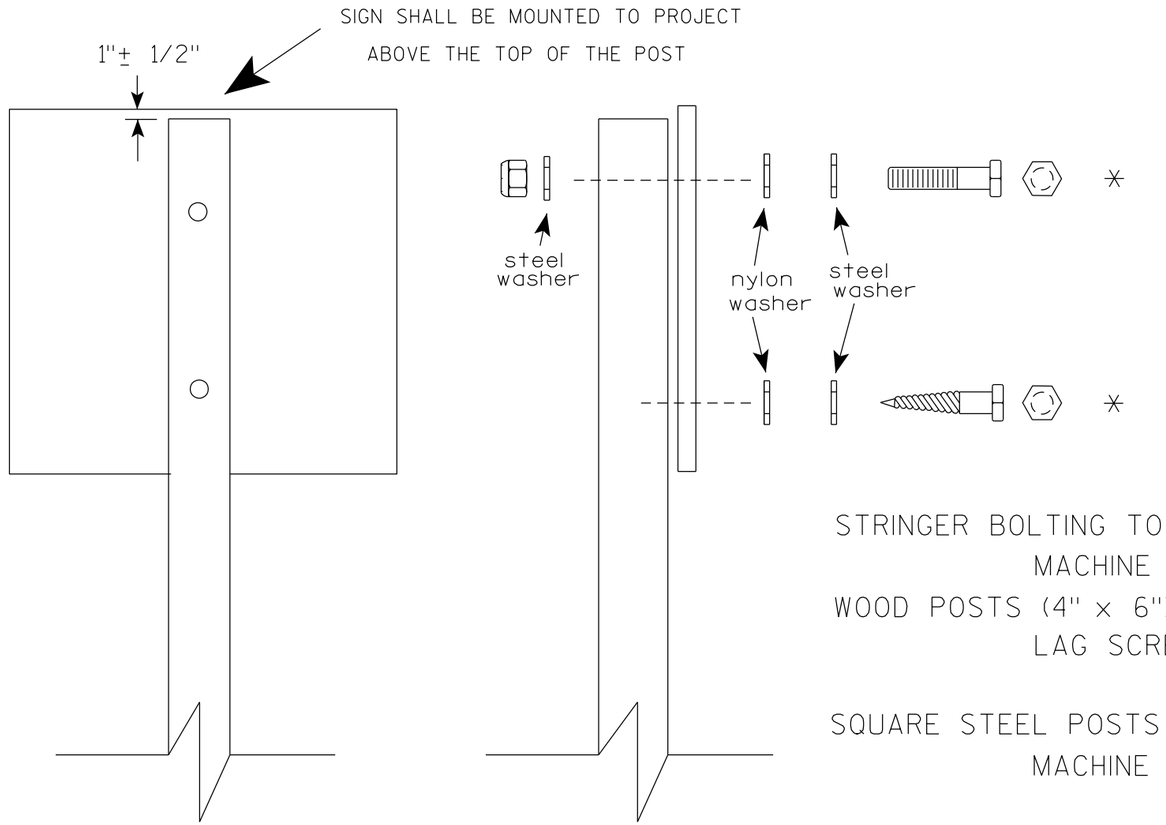
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 270	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

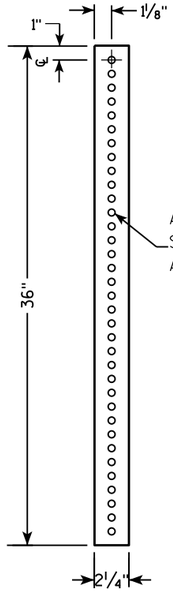
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

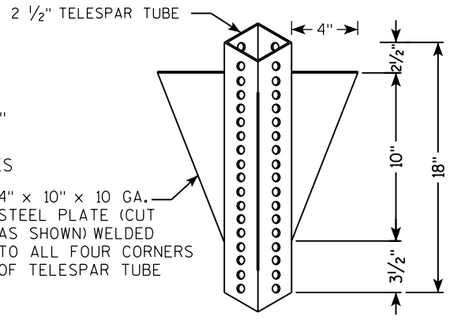
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

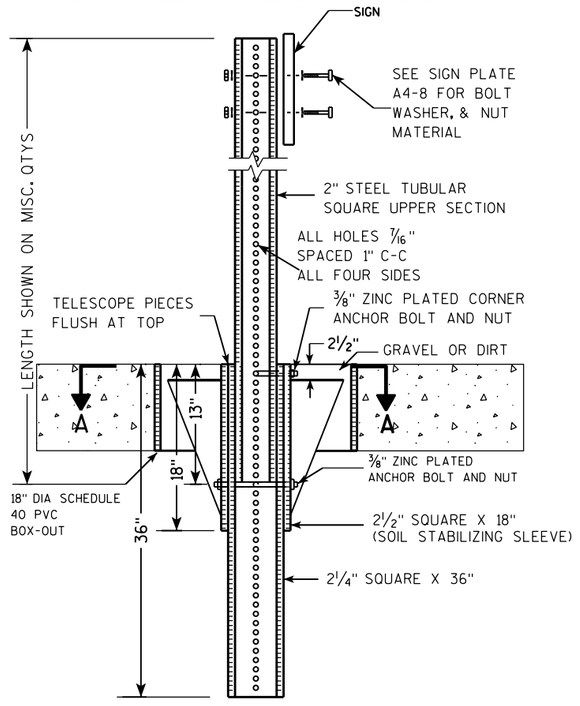
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



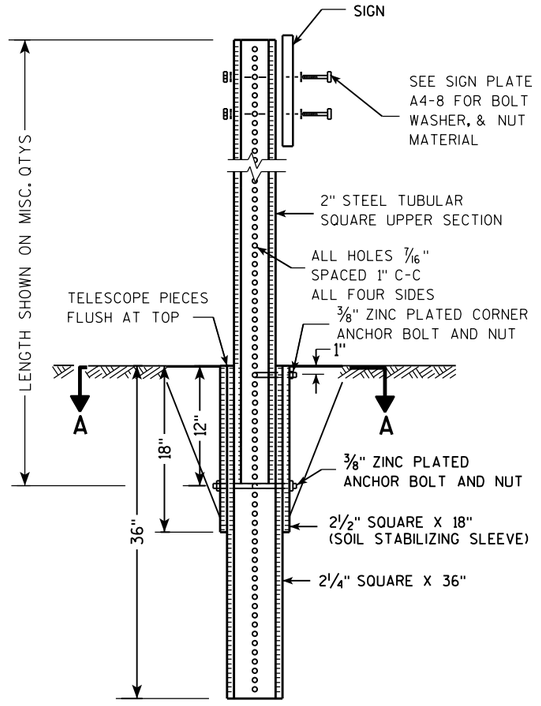
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

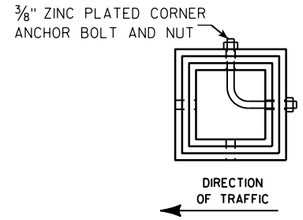


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

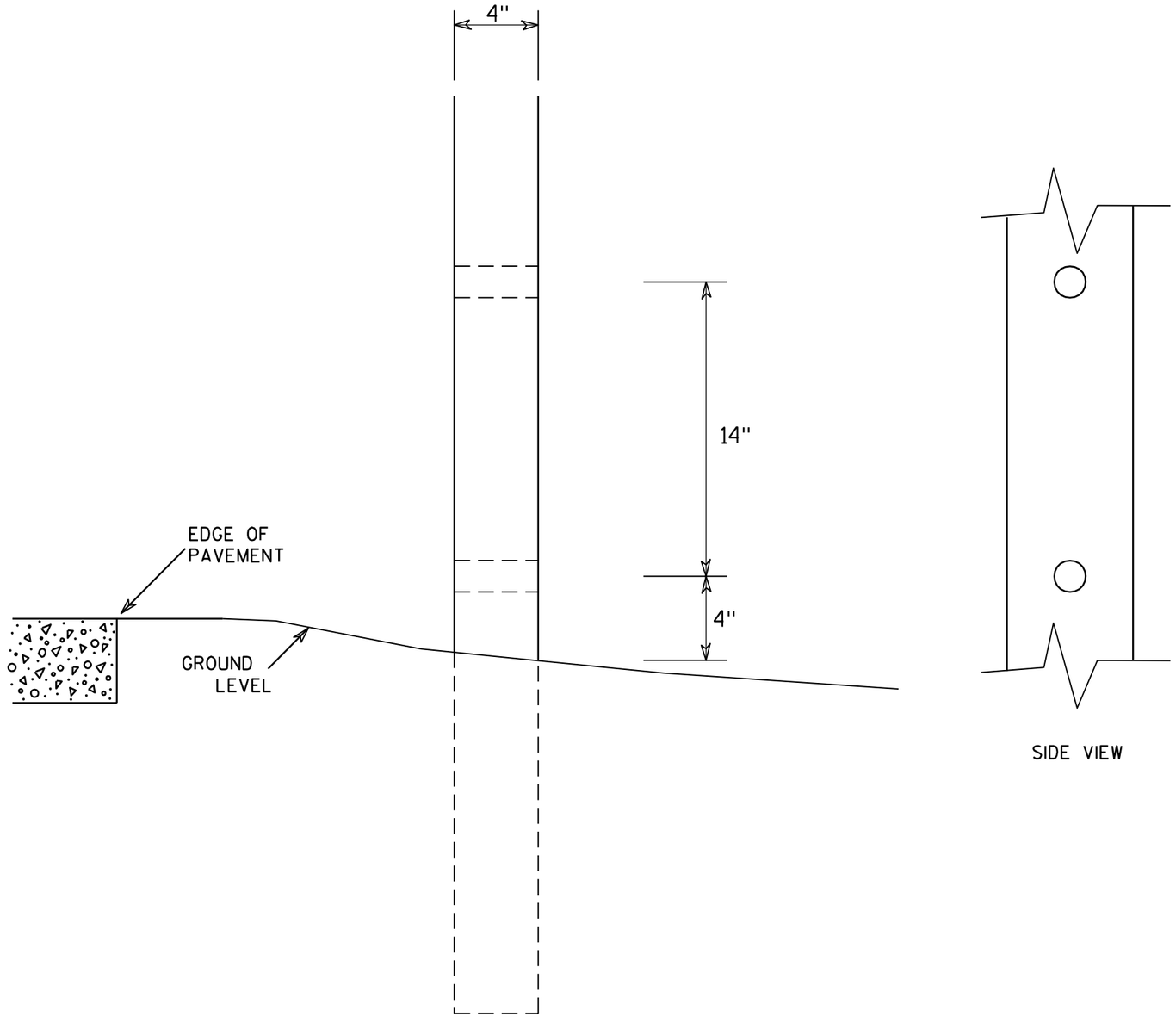
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 272 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

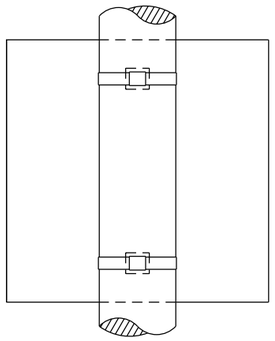
APPROVED Chester J Spang for State Traffic Engineer

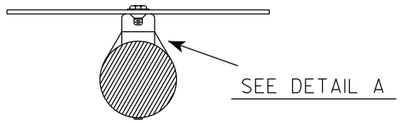
DATE 3/27/97 PLATE NO. A4-11.2

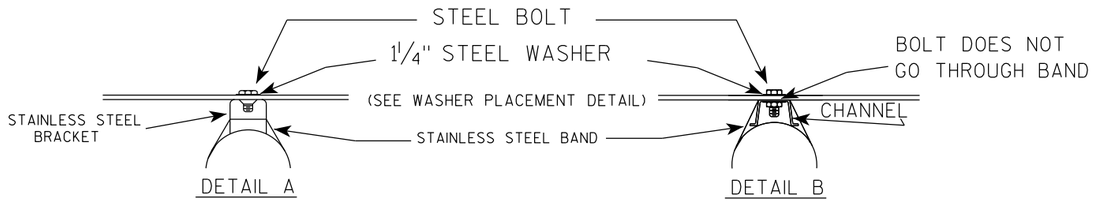
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E

BANDING

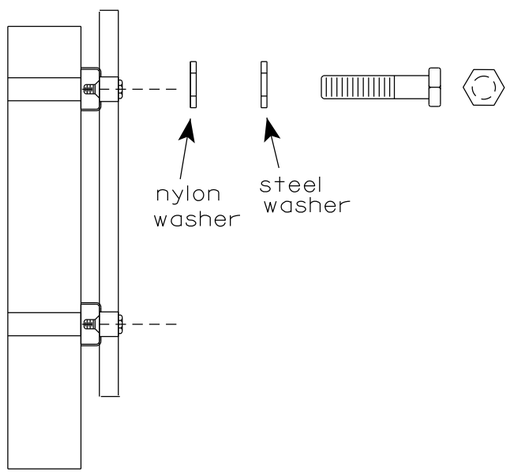
SINGLE SIGN







WASHER PLACEMENT

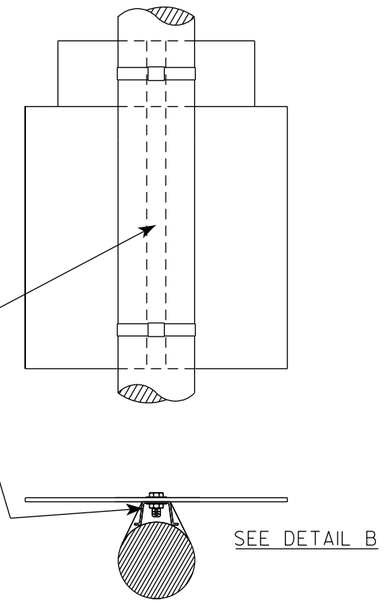


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

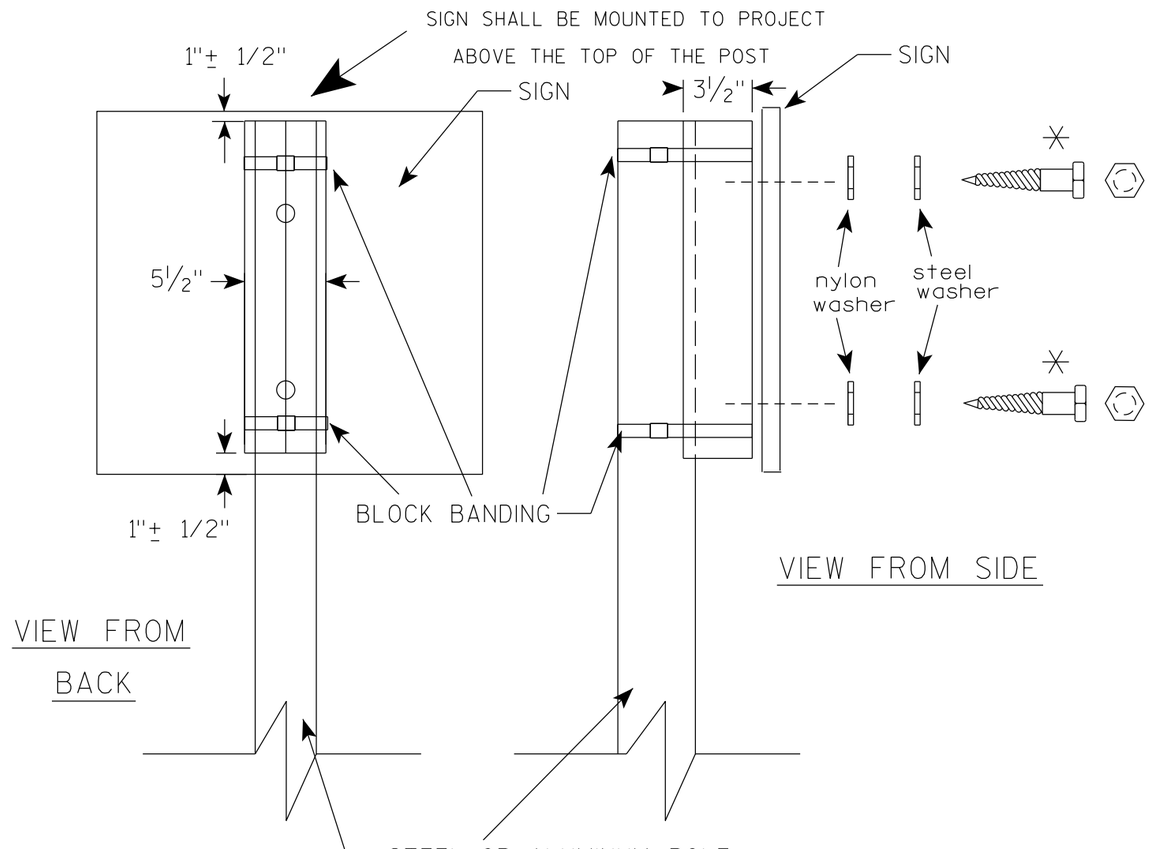
DATE 6/10/19 PLATE NO. A5-9.4

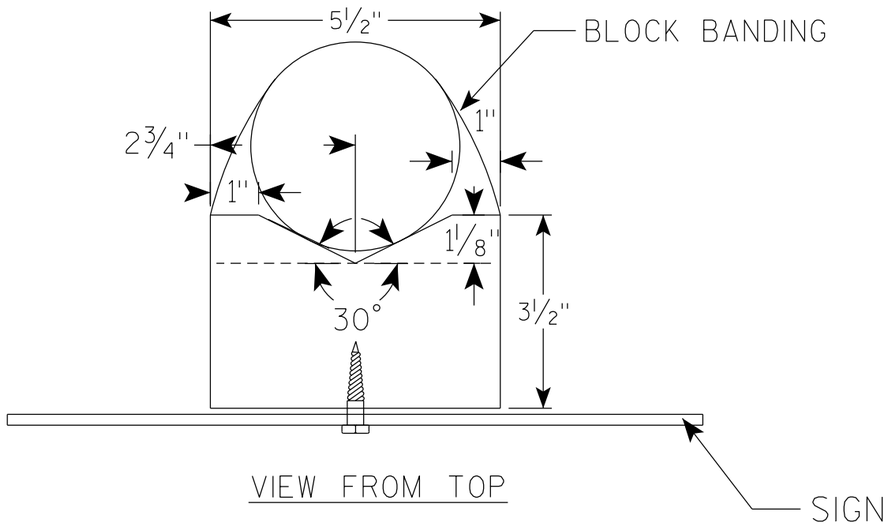
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 274	E

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)

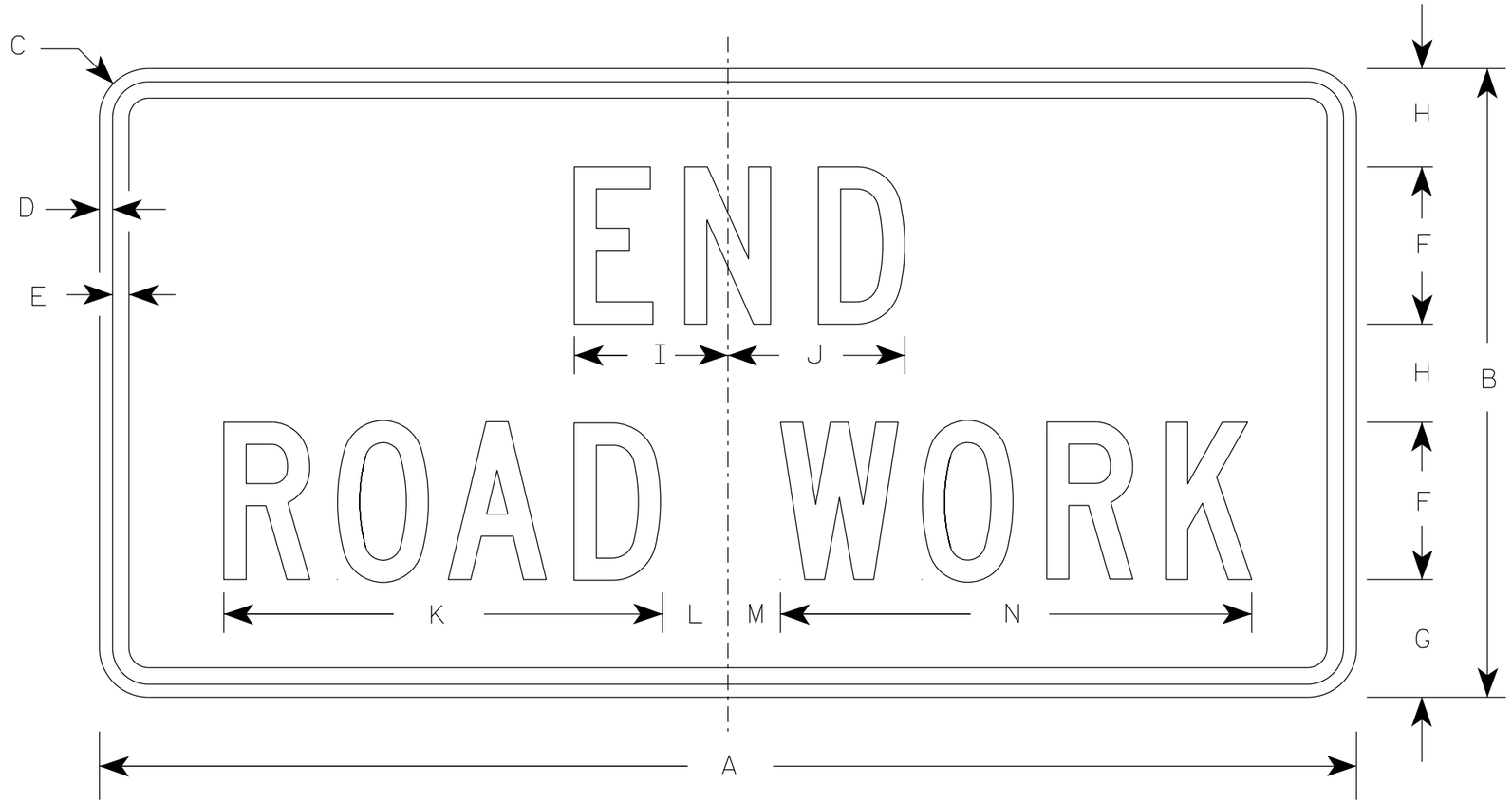
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 275 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

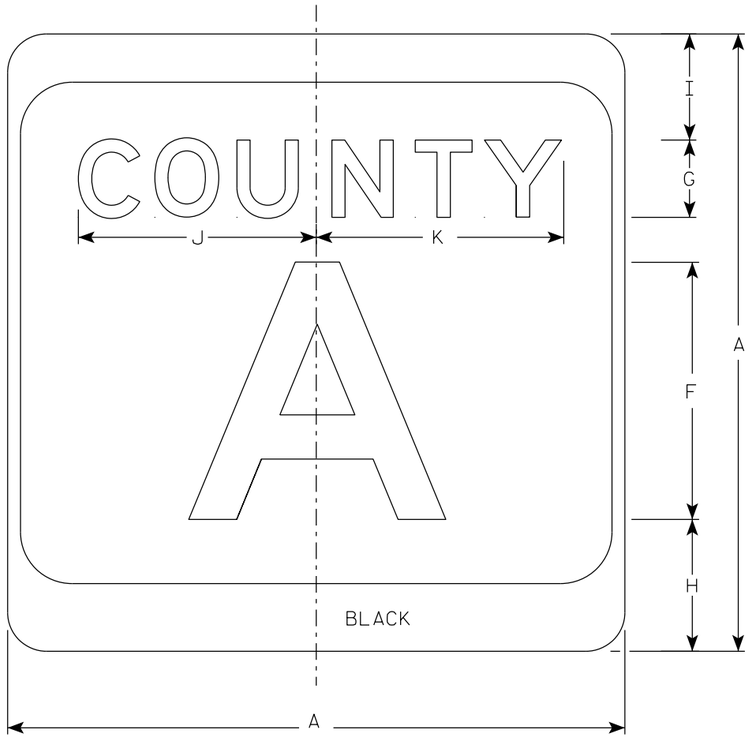
WISCONSIN DEPT OF TRANSPORTATION

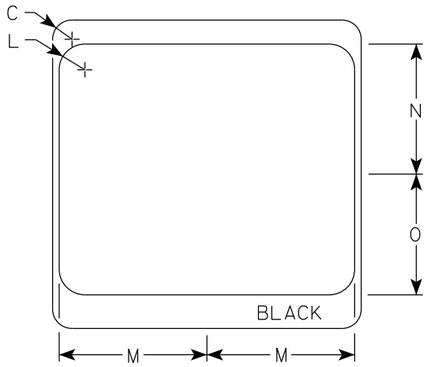
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

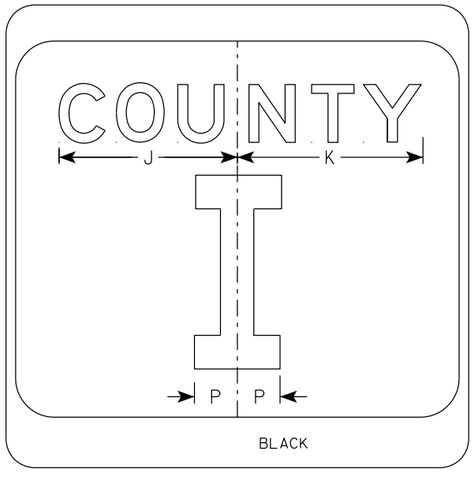
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

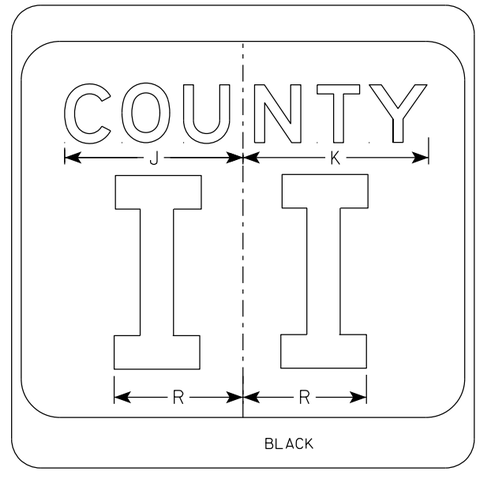




NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center 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																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

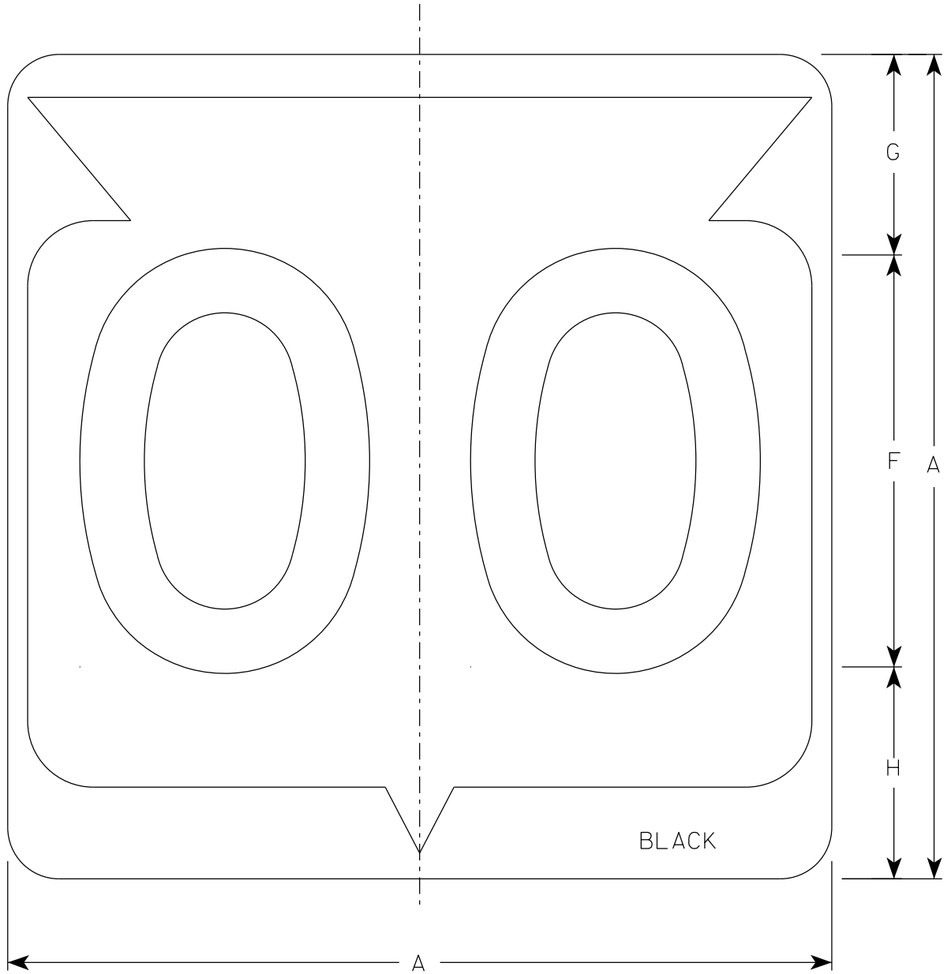
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

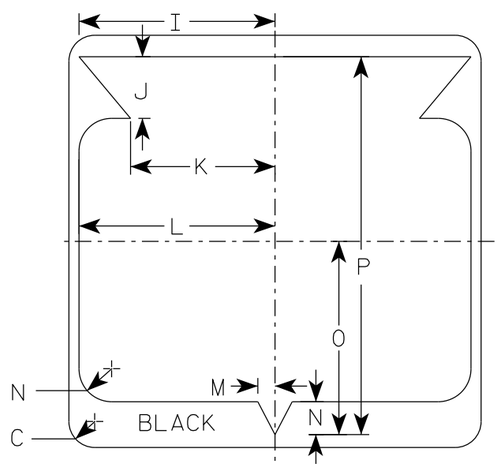
7



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

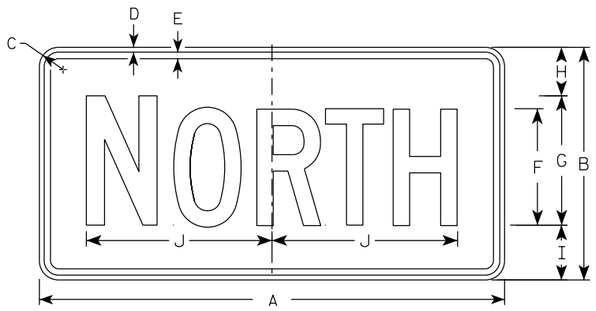
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

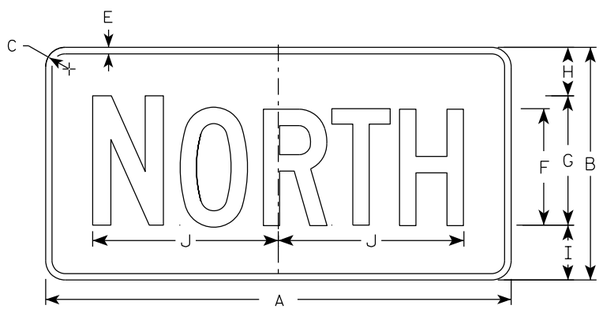
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

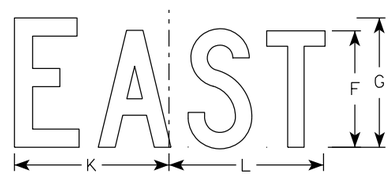
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 278	E



M3-1
MM3-1
MP3-1

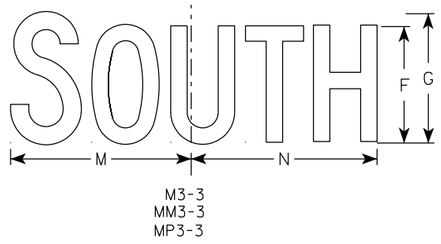


MB3-1
MK3-1
MN3-1

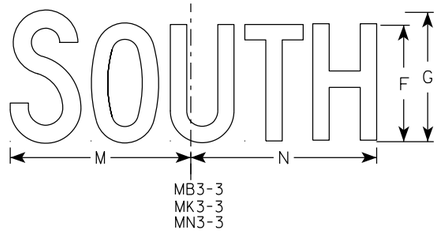


M3-2
MM3-2
MP3-2

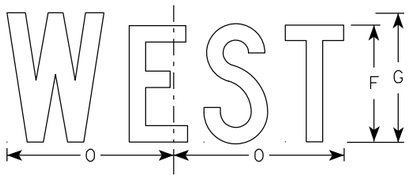
MB3-2
MK3-2
MN3-2



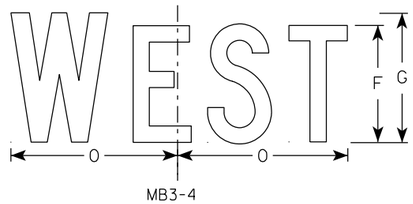
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

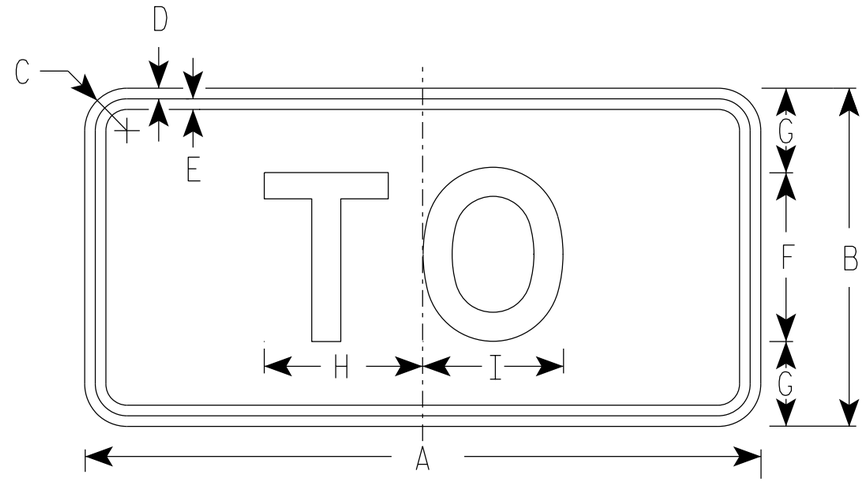
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

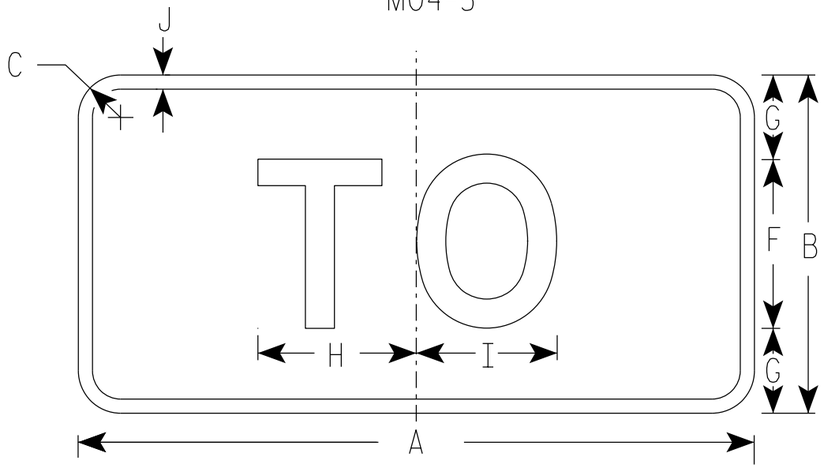
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 279 | E



M4-5
MM4-5
MP4-5
M04-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

   M04-5 Background - Orange Type F Reflective
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
2M	24	12	1 ½	⅜	⅜	6	3	5 ⅜	5 ¼	½																	2.00
3	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
4	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5
5	36	18	1 ½	⅜	½	9	4 ½	8 ¼	8 ⅜	½																	4.5

STANDARD SIGN
M4-5

WISCONSIN DEPT OF TRANSPORTATION

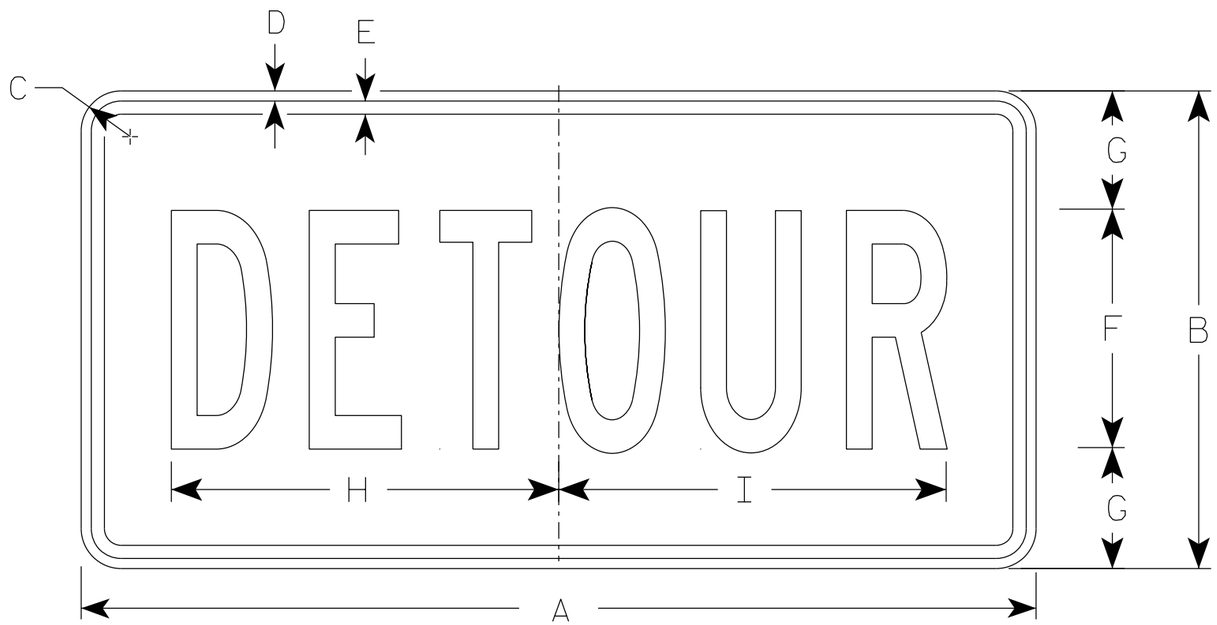
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M4-8

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

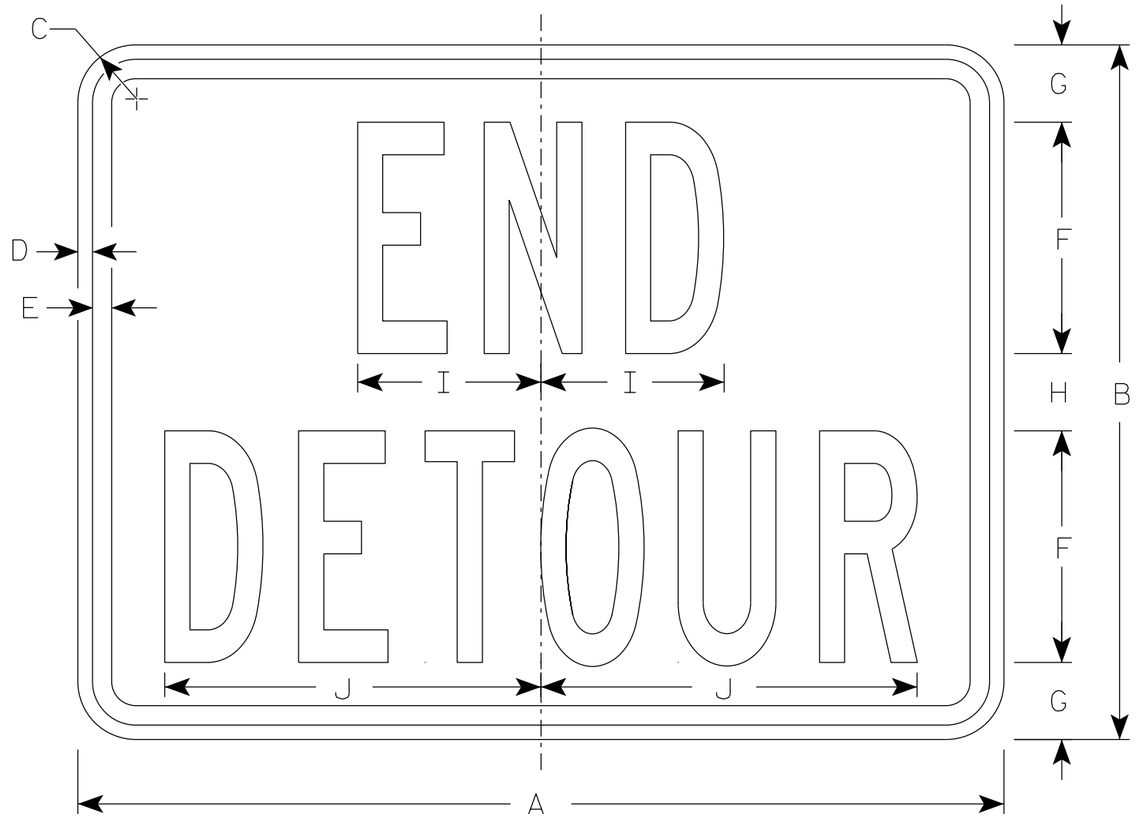
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

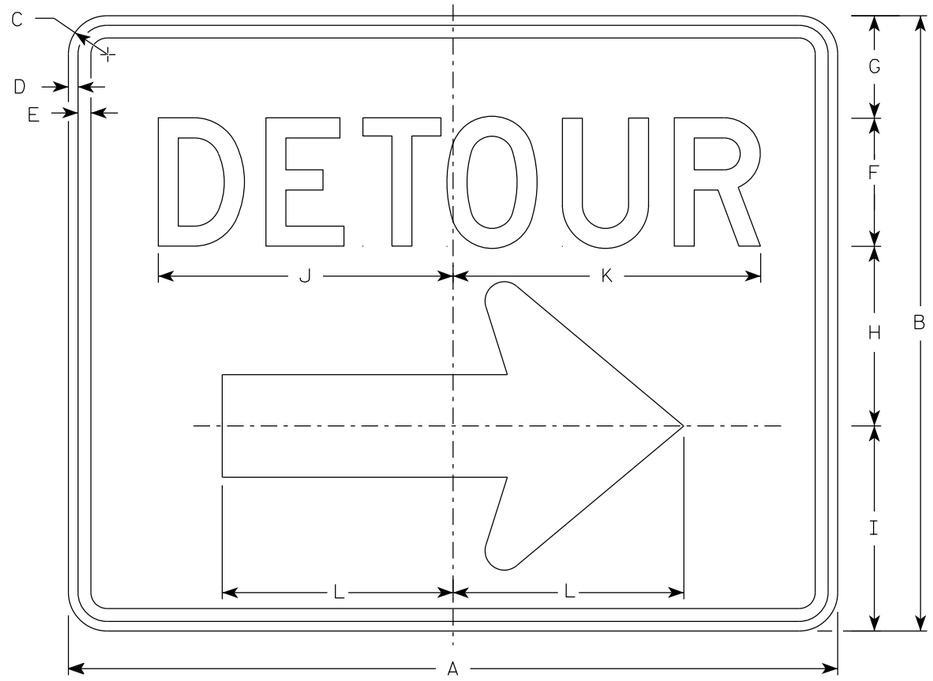
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

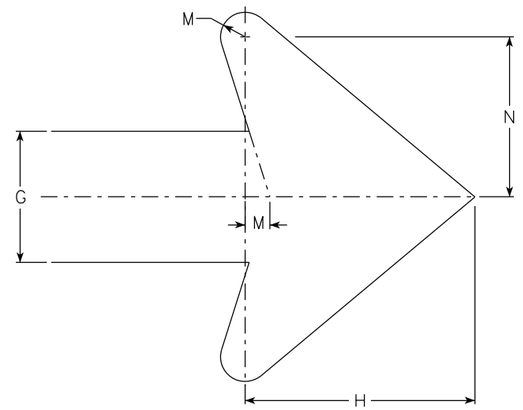
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

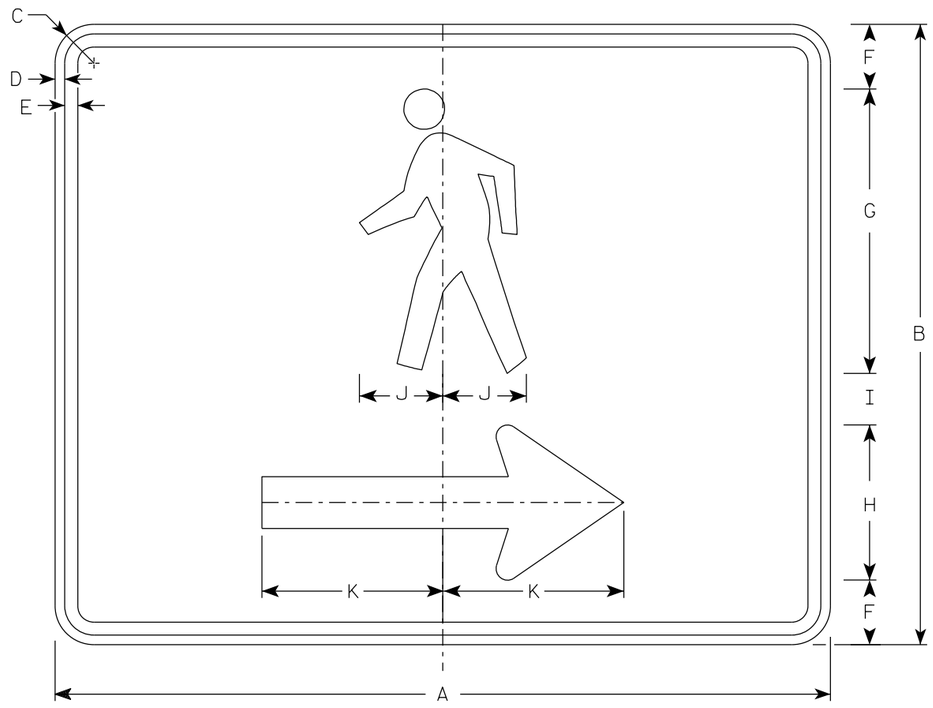
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

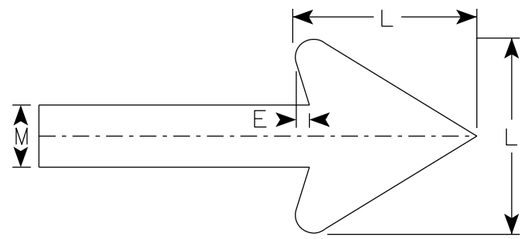
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-60R

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

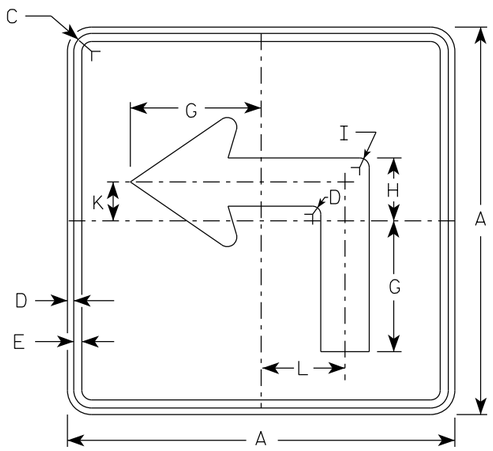
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

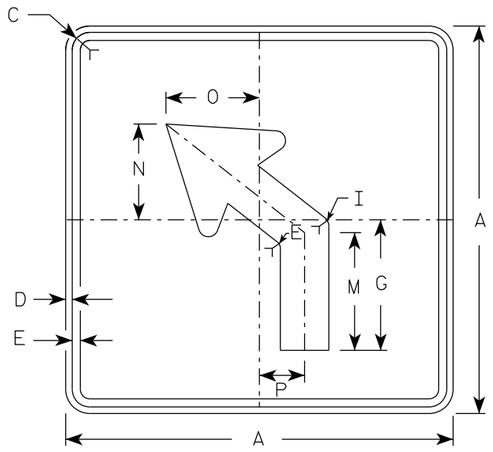
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

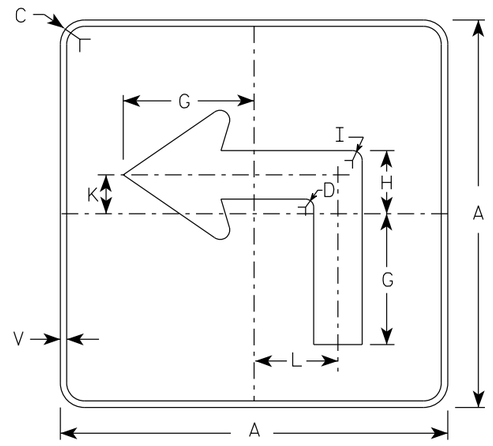
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 | E



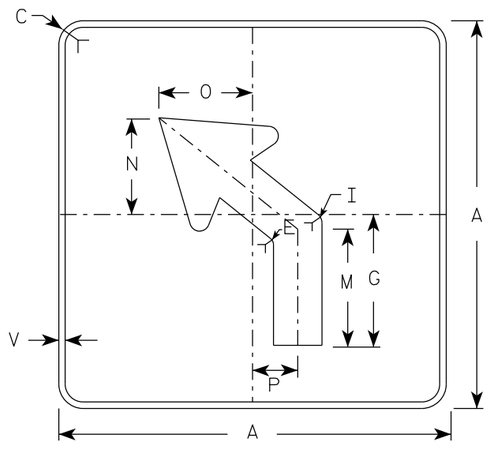
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

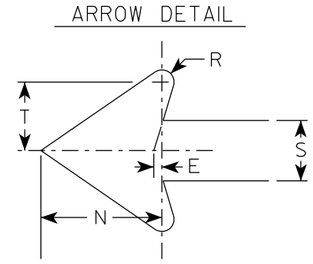


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

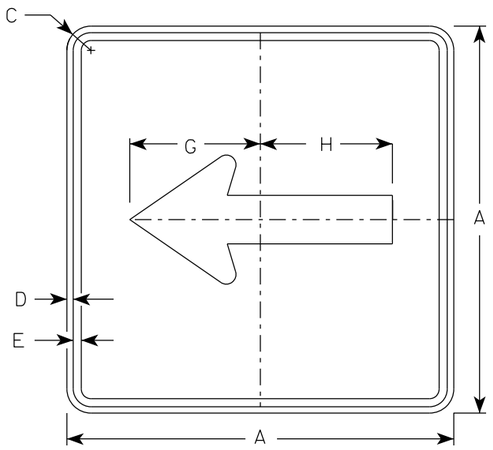
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

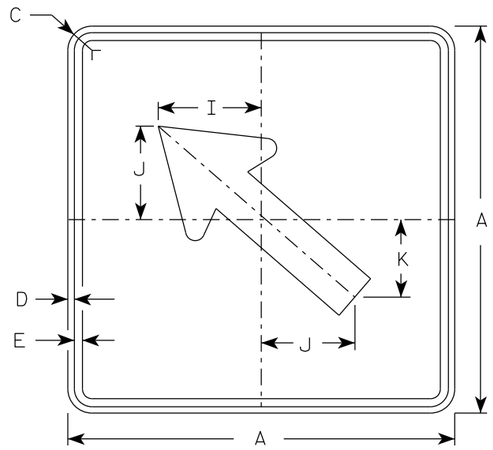
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

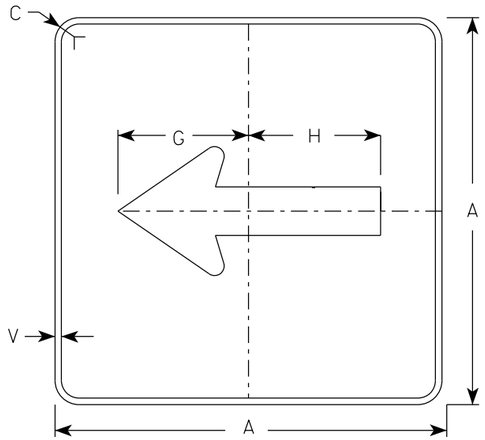
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E



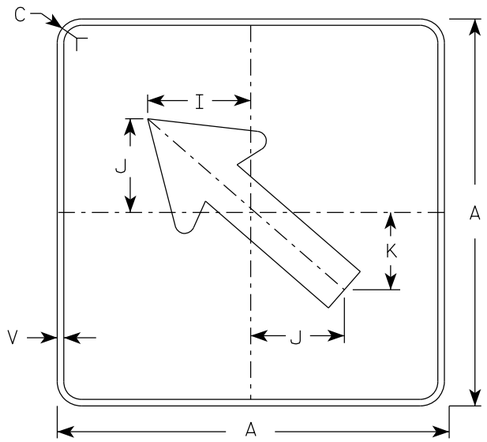
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

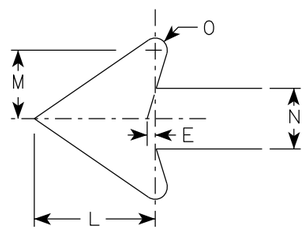


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

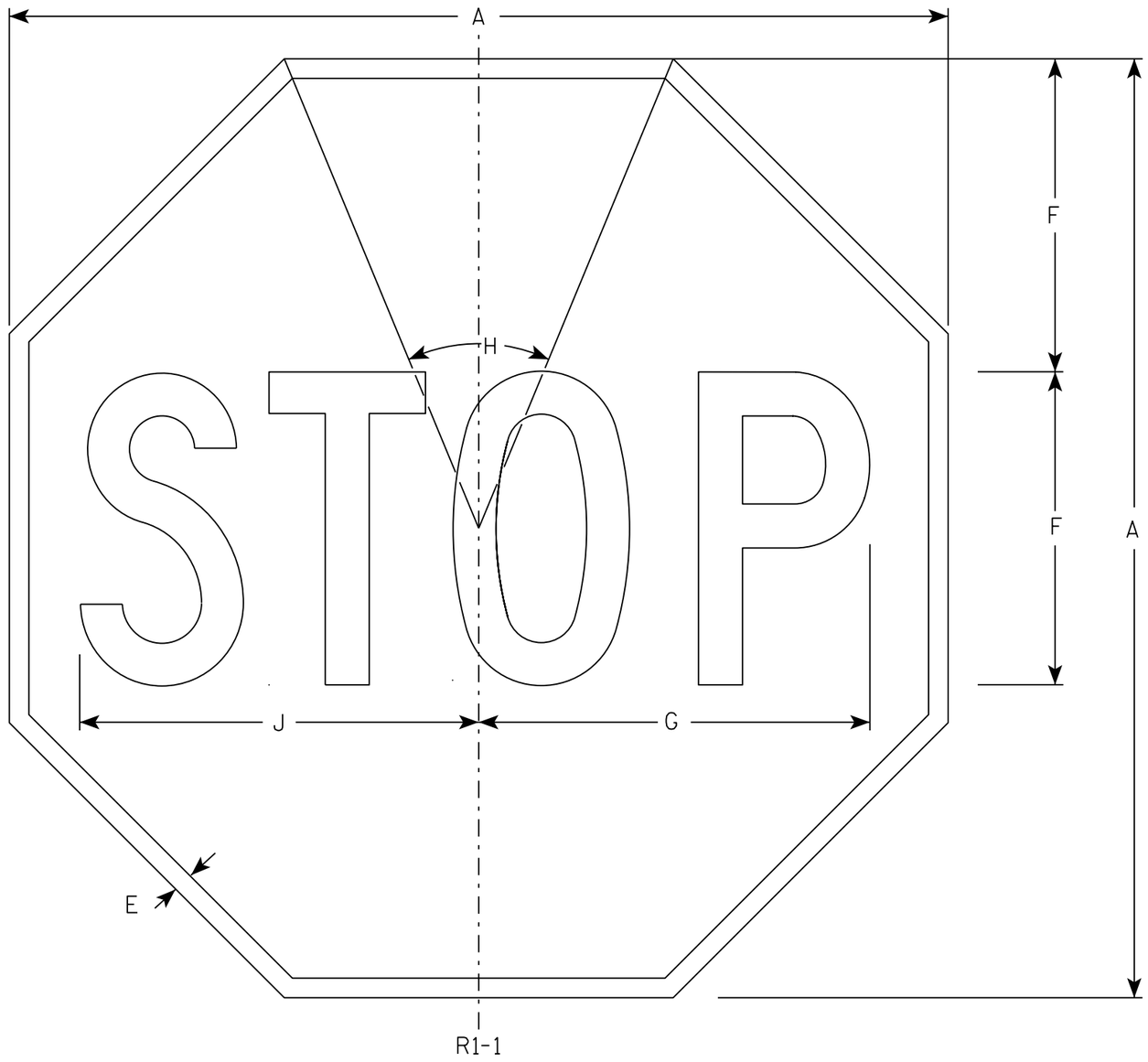
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E

7

7



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

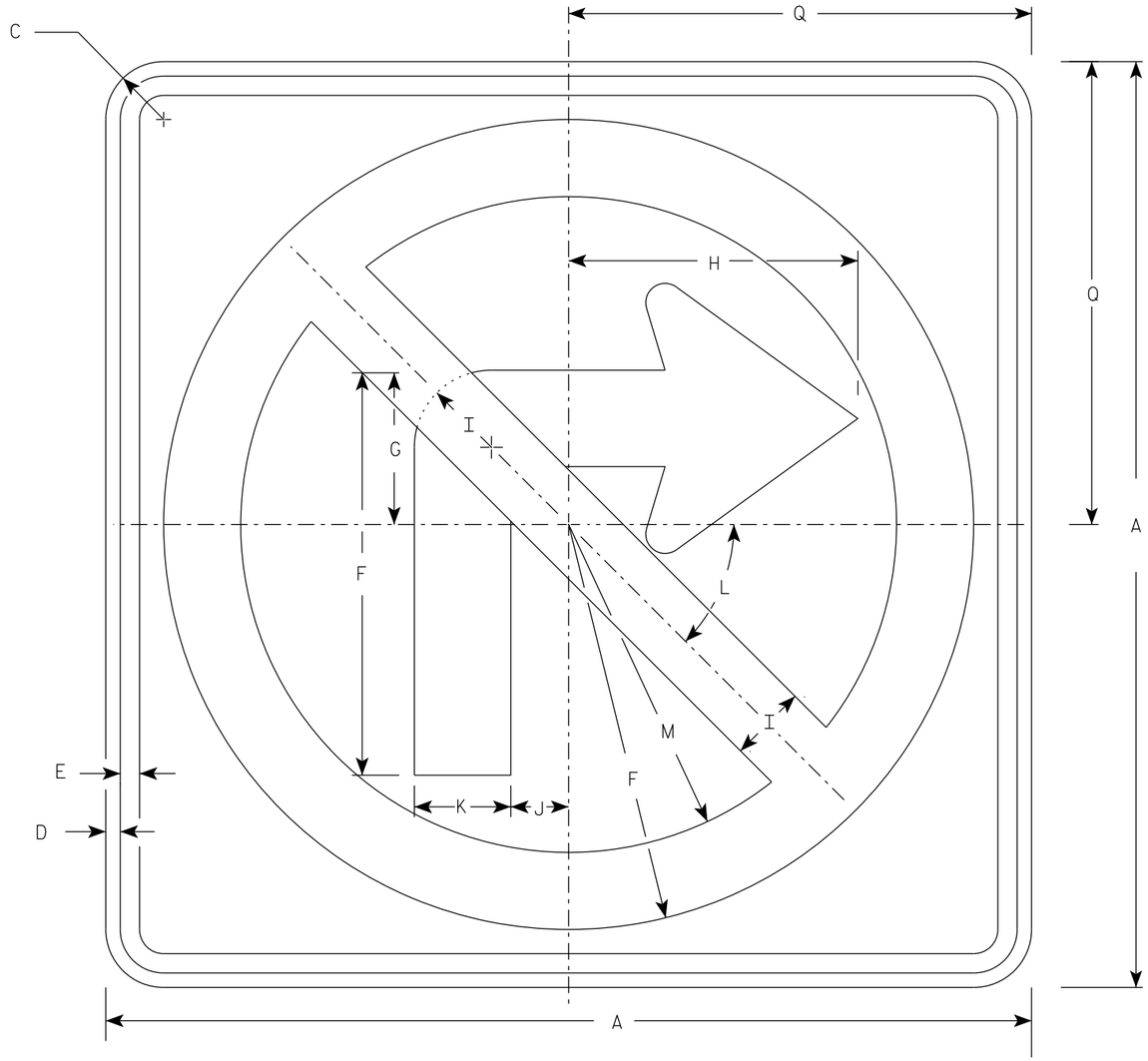
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

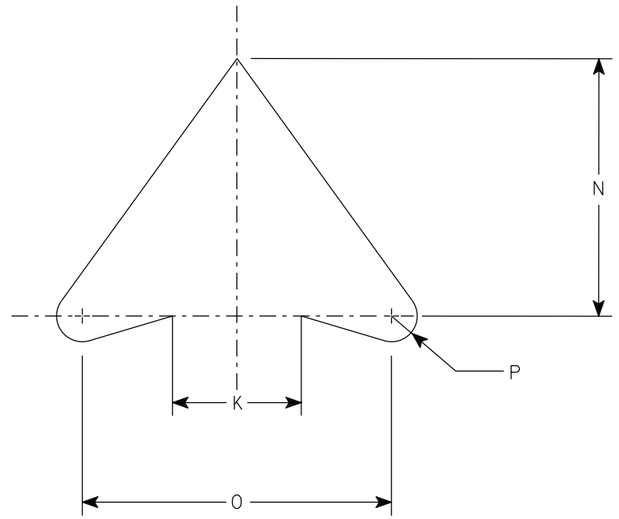
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

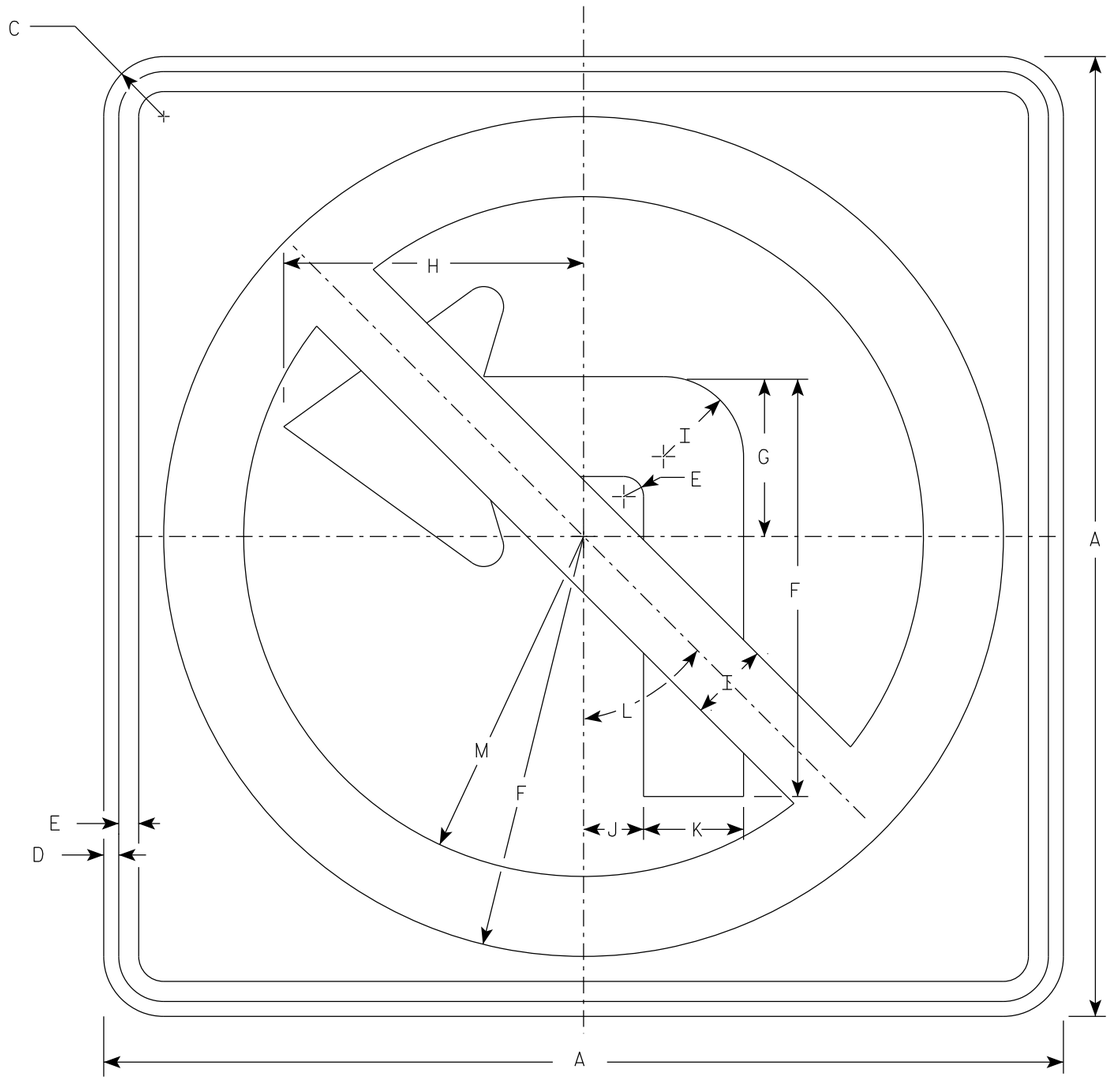
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

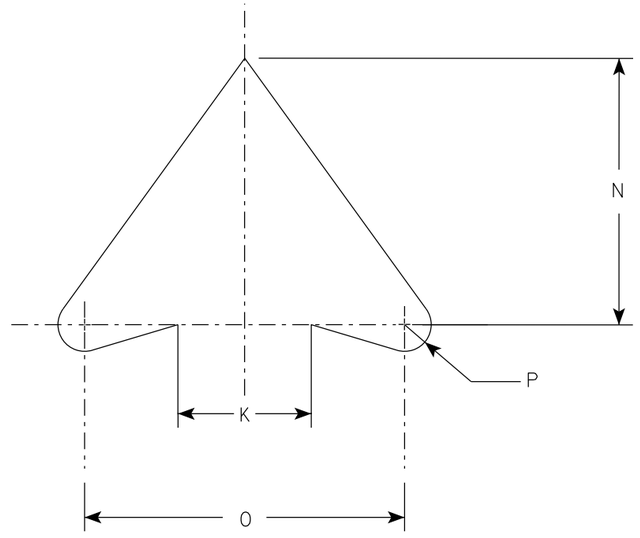
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	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 1/2	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		2 1/4	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		2 1/4	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		2 1/4	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

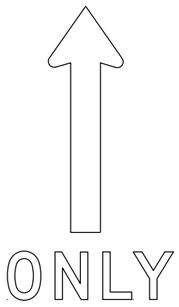
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

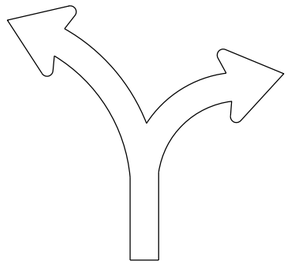
DATE 2/2/23 PLATE NO. R3-2.11

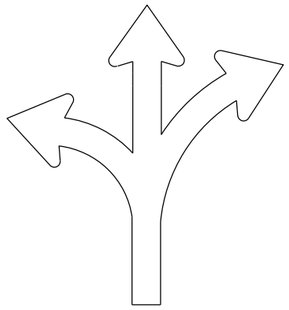
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E

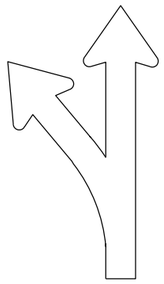


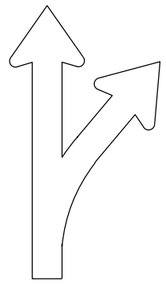
(A)

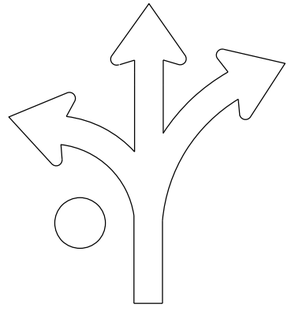
(B)

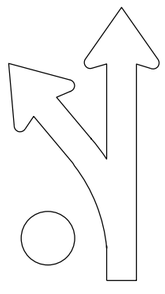

(C)

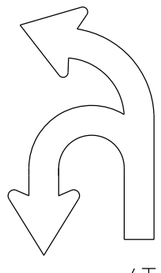

(D)

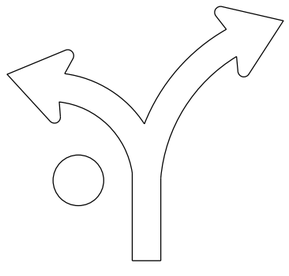

(E)

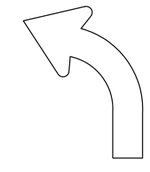

(F)


(G)

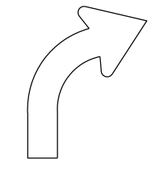

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 290 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

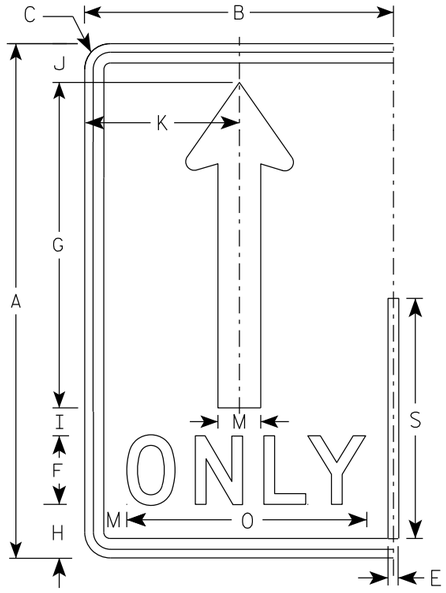
WISDOT/CADDS SHEET 42

7

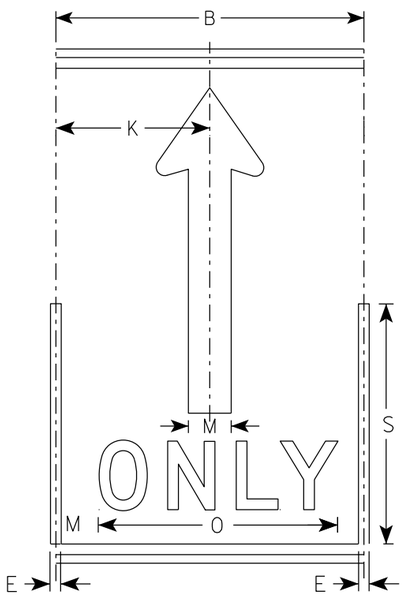
7

NOTES

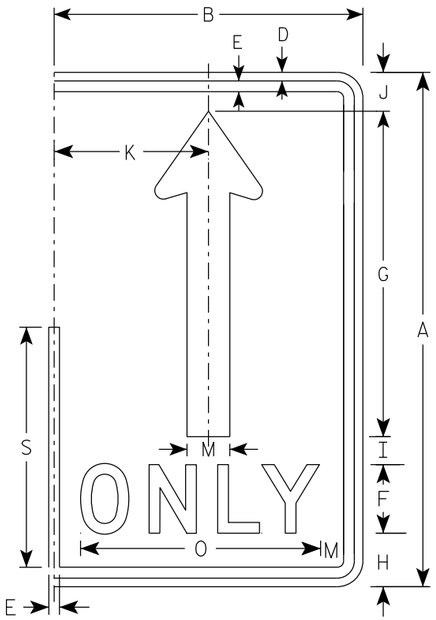
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



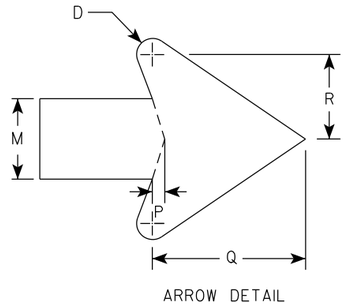
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

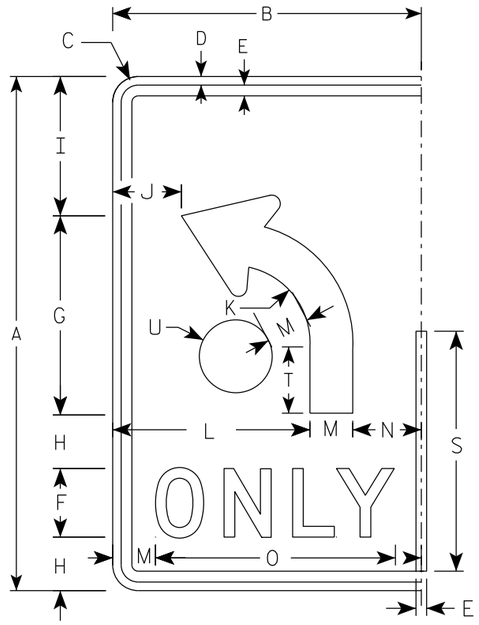
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

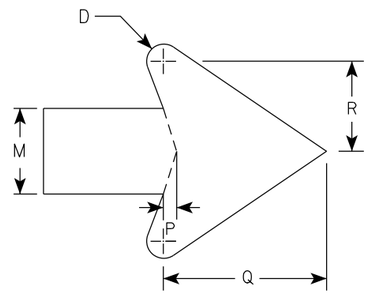
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

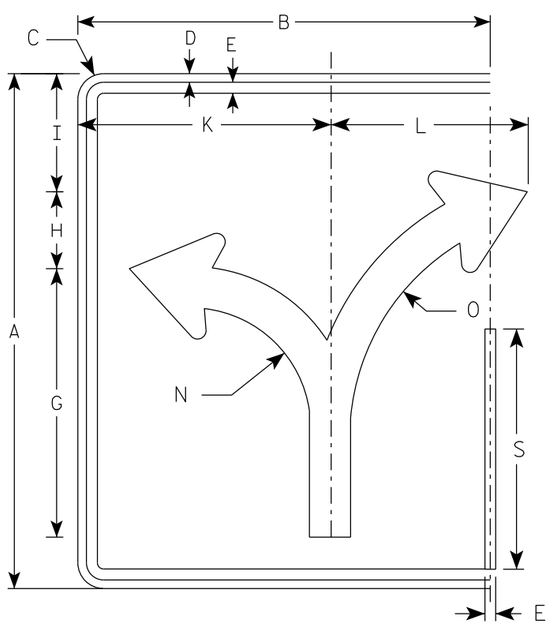
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

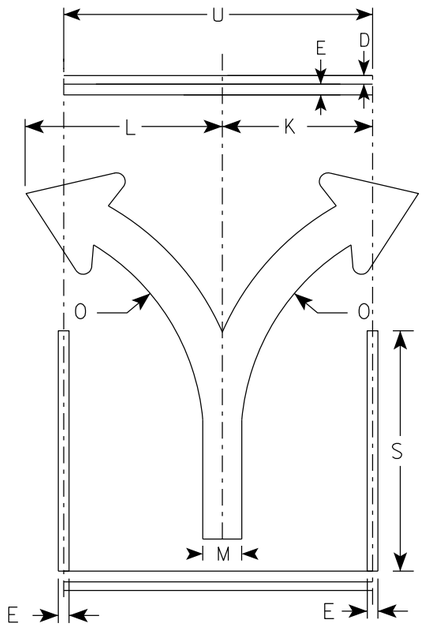
SHEET NO: 292 E

NOTES

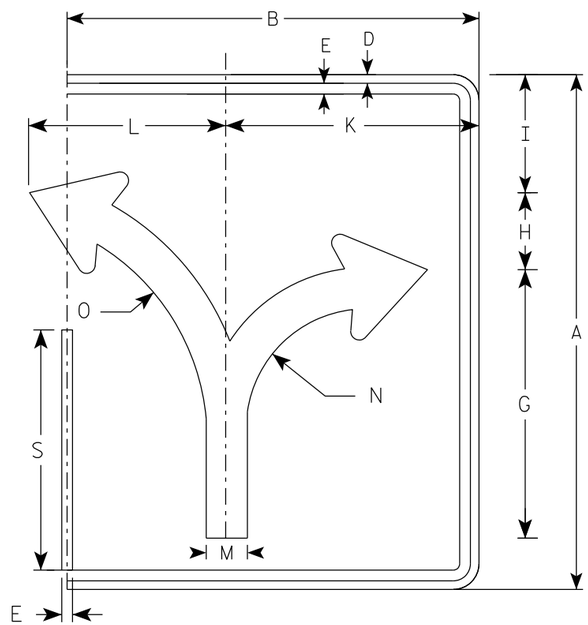
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



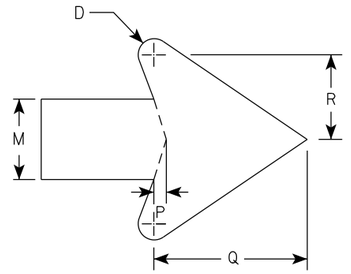
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

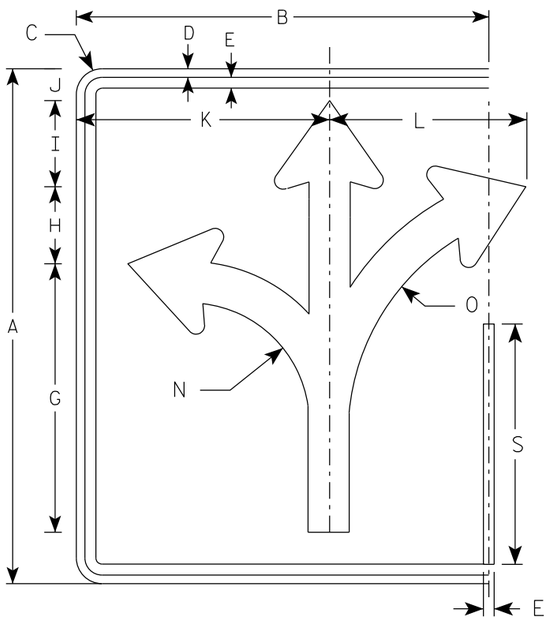
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 293 | E

7

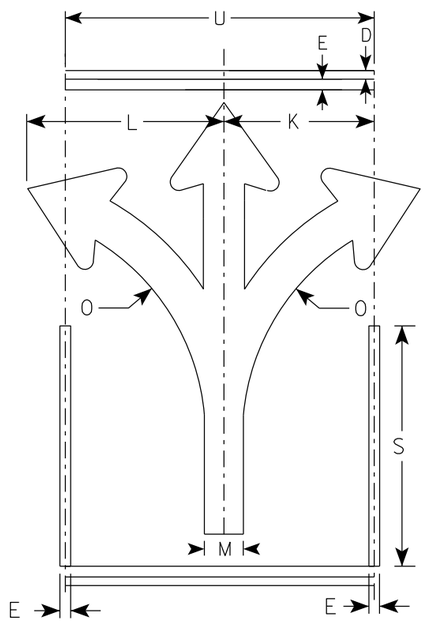
7

NOTES

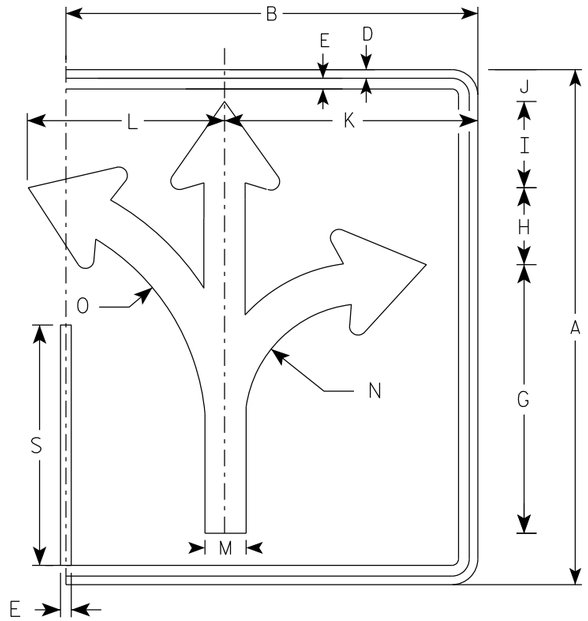
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



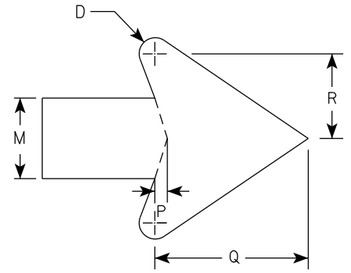
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

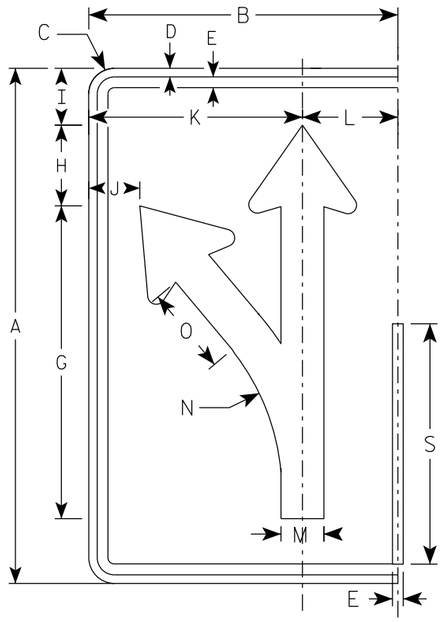
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

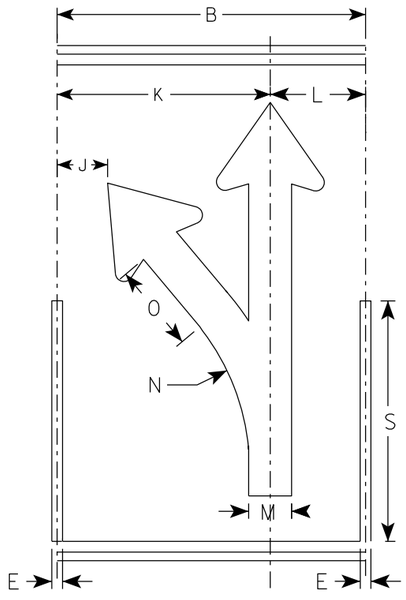
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E

NOTES

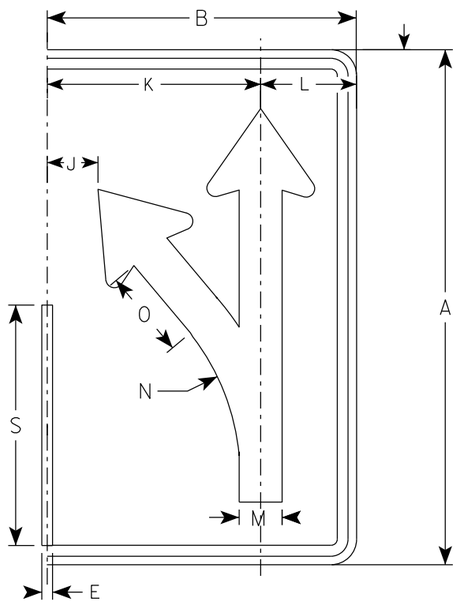
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



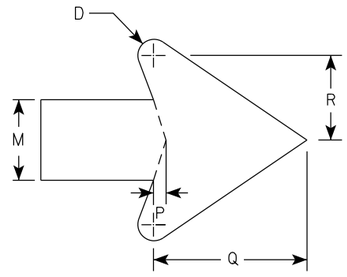
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

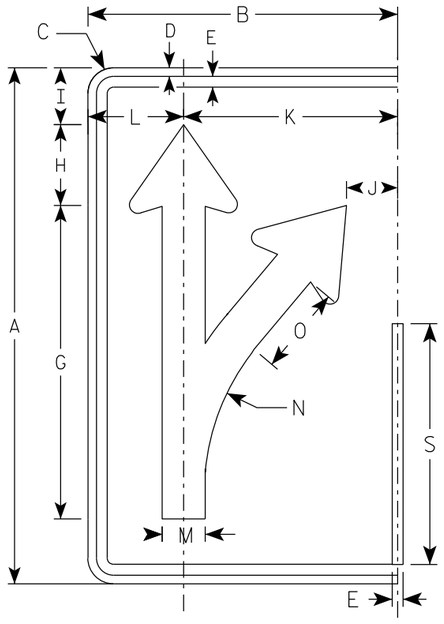
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

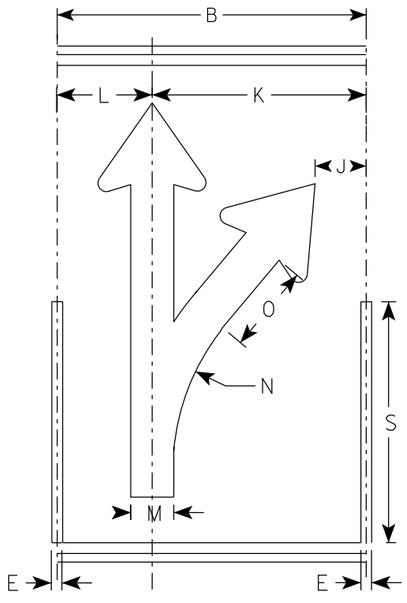
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 295 | E

NOTES

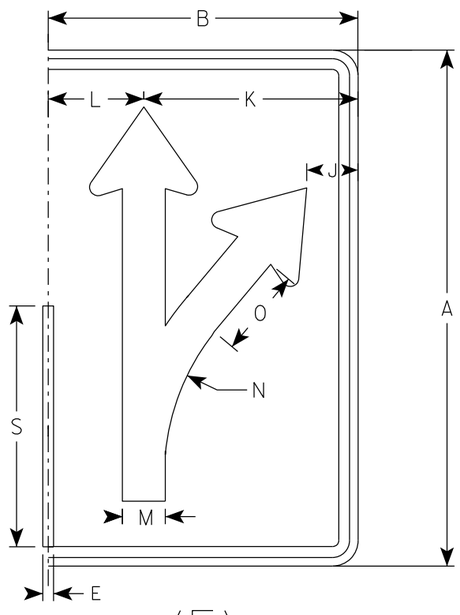
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



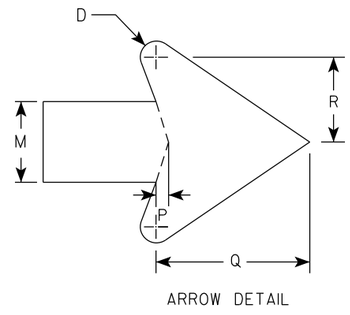
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

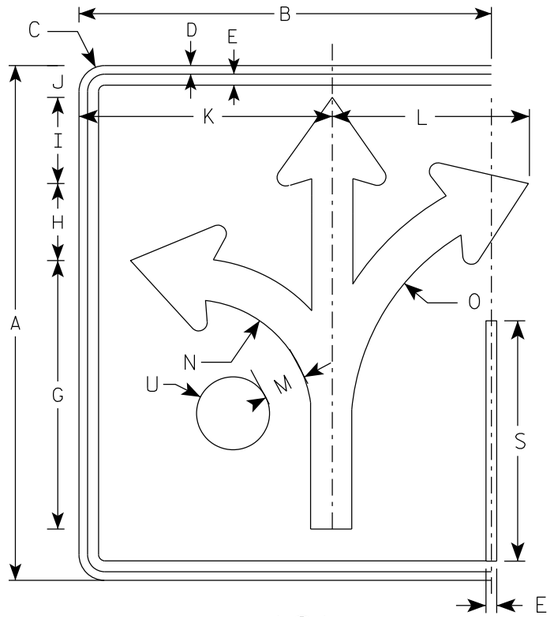
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

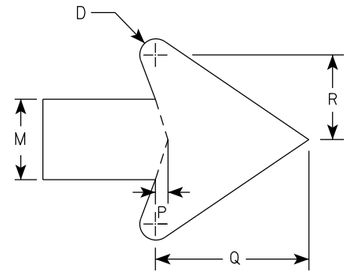
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

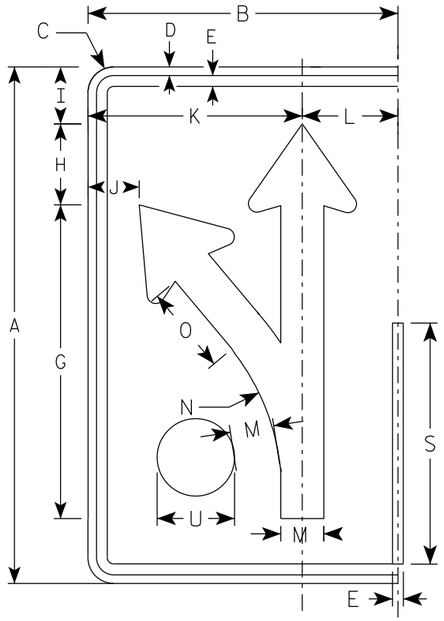
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E

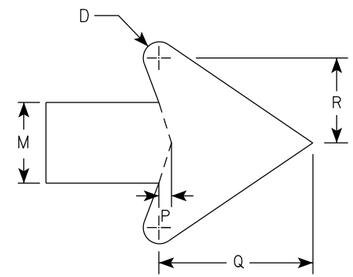
7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

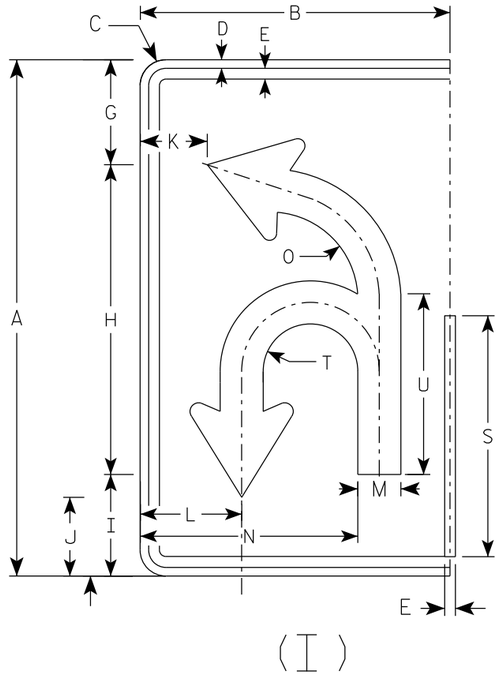
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

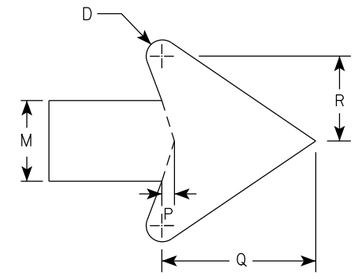
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 298 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

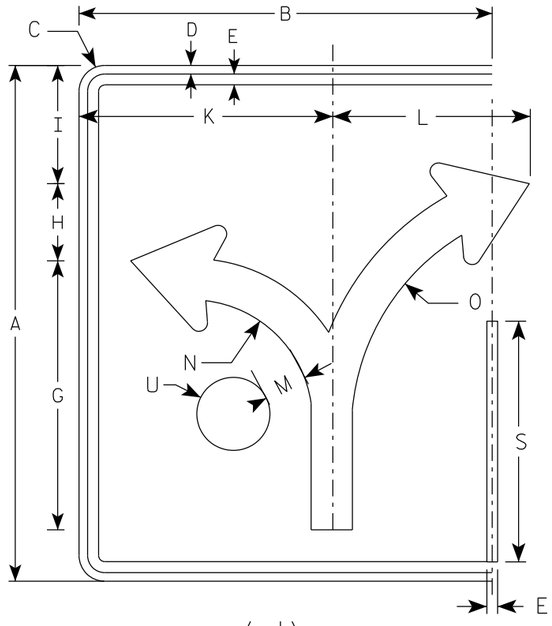
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

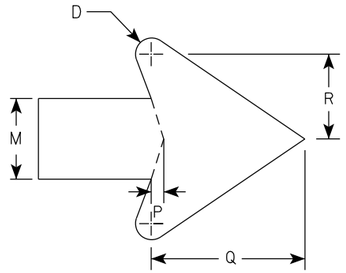
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

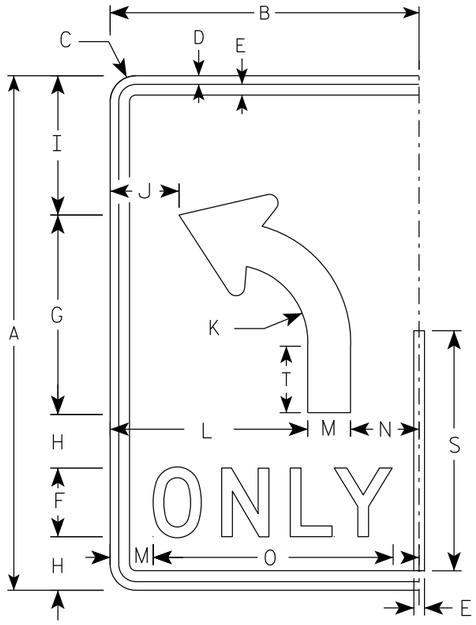
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 300 | E

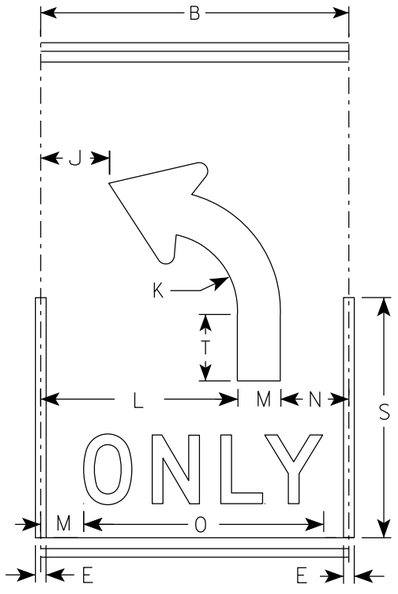
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

NOTES

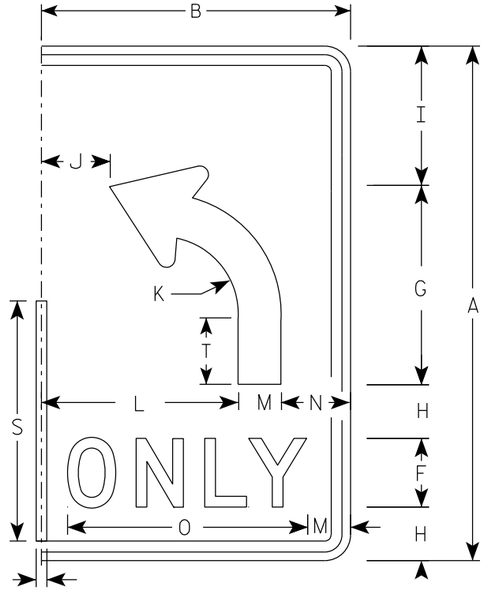
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



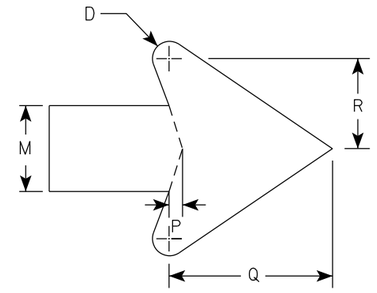
(L)



(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 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

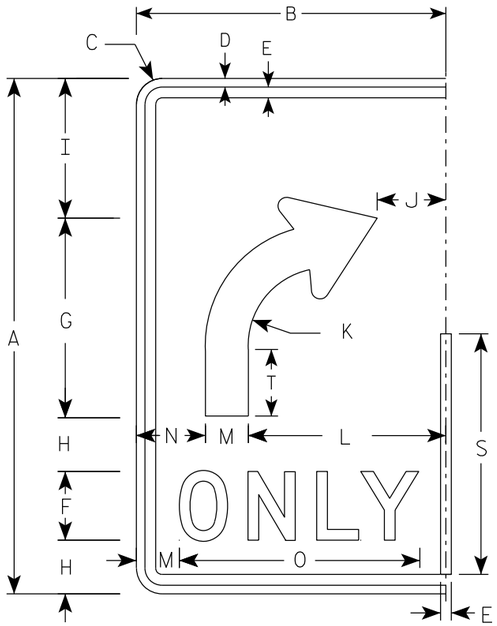
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

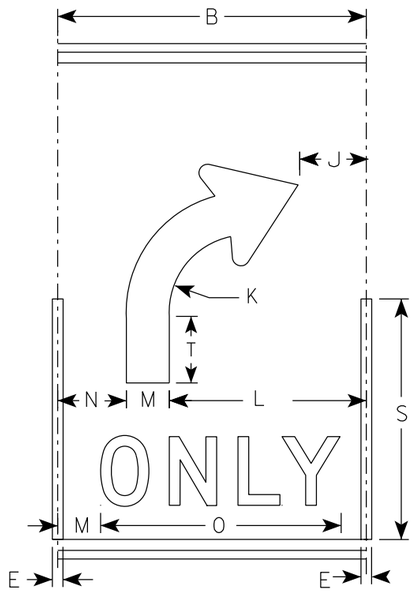
SHEET NO: 301 E

NOTES

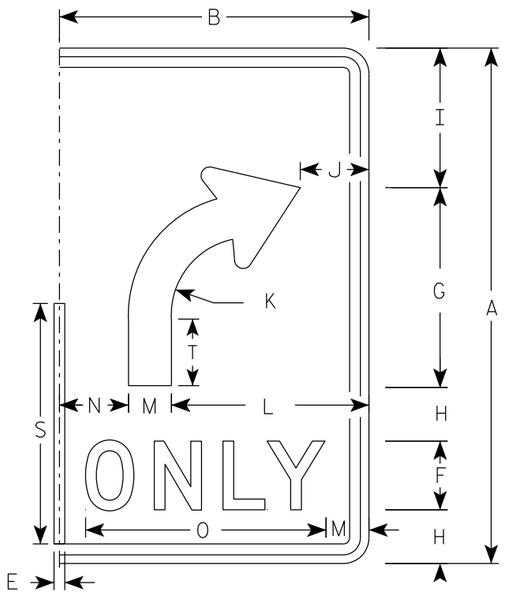
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



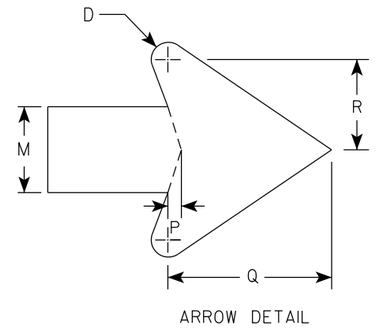
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

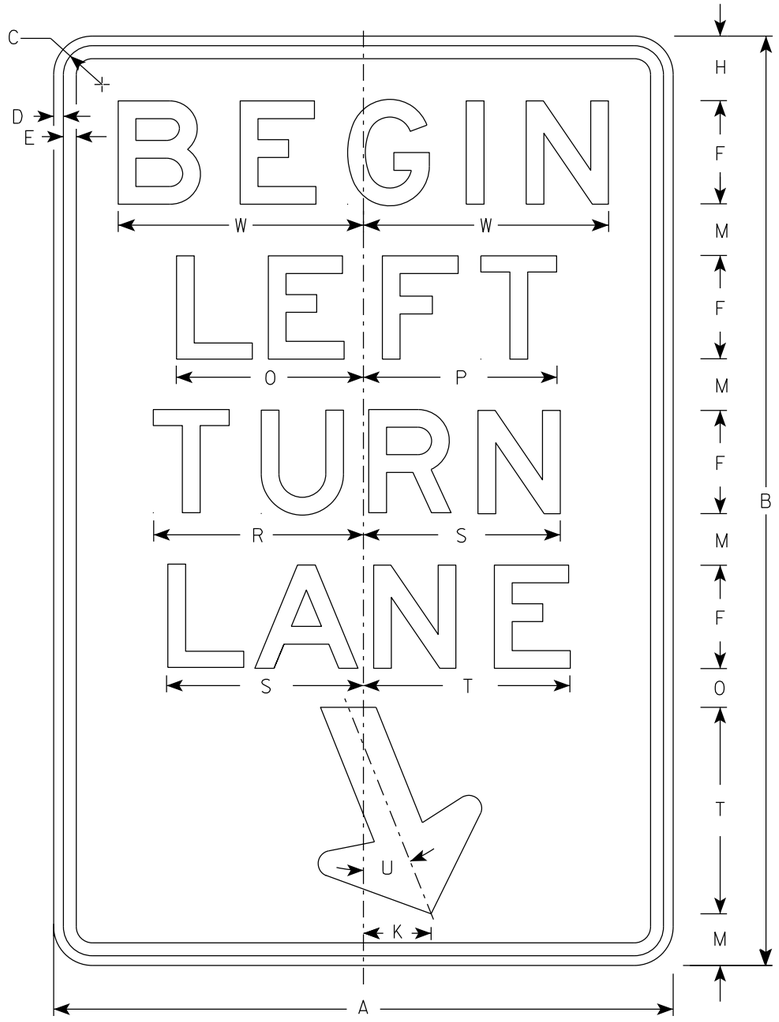
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

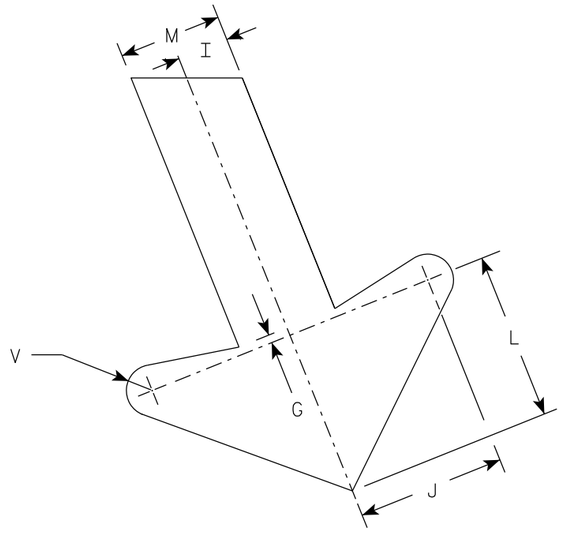
SHEET NO: 302 E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

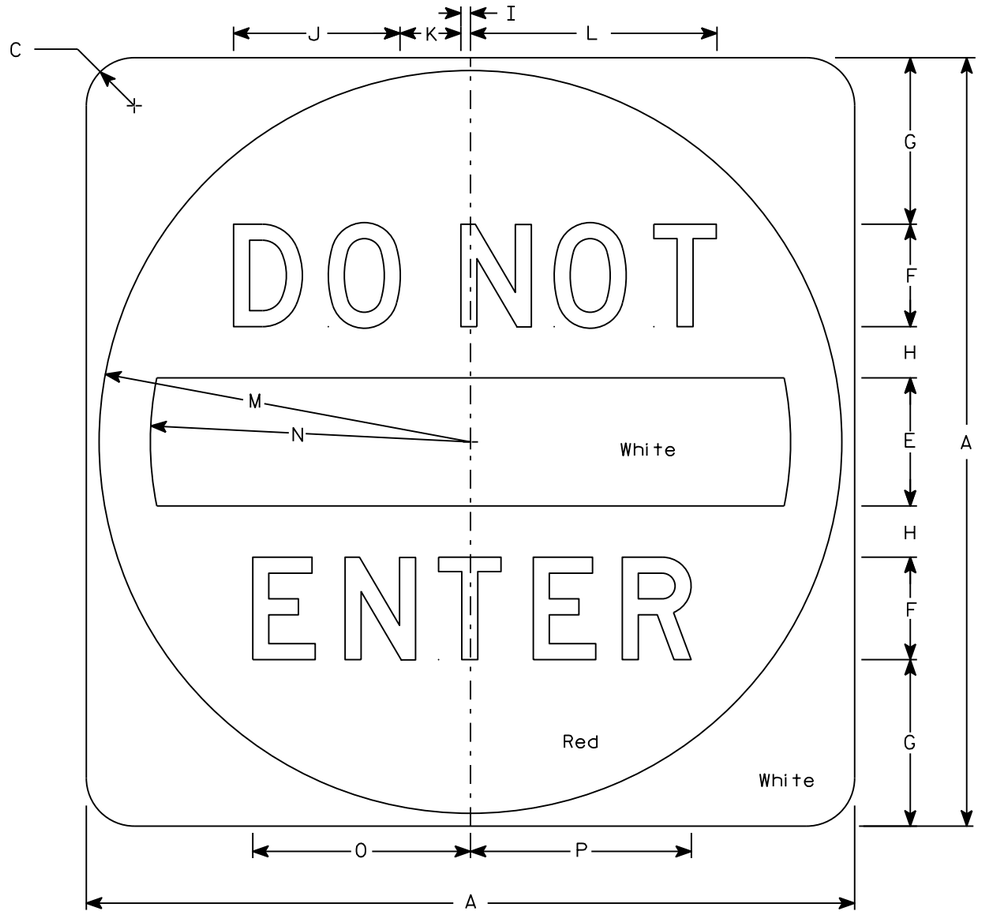
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 303 | 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

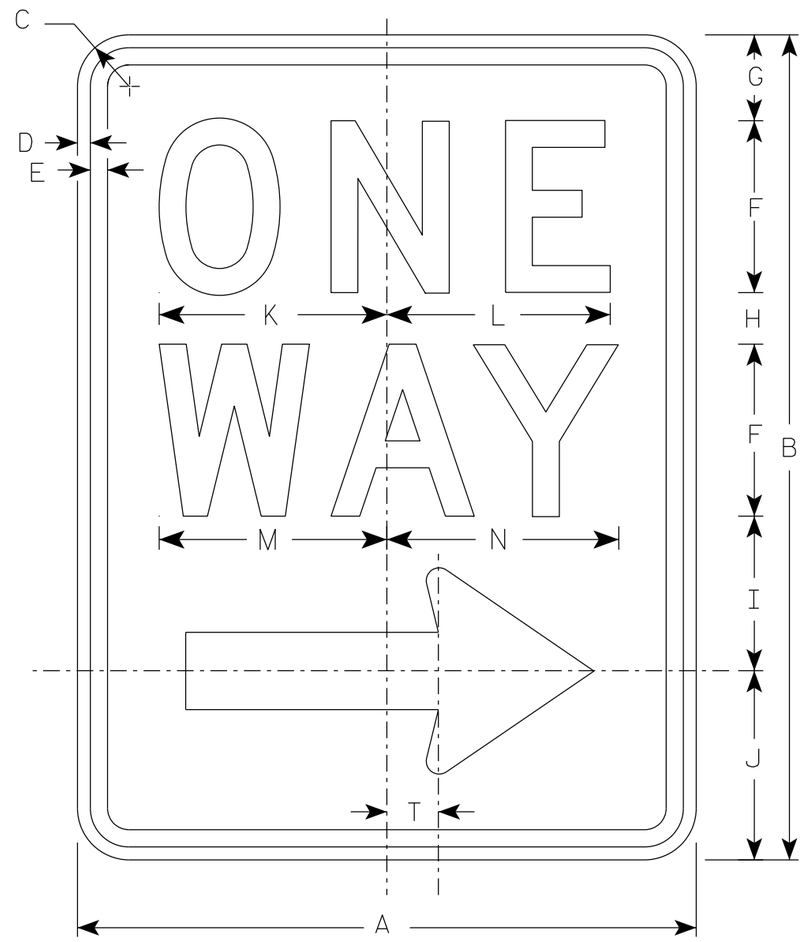
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E

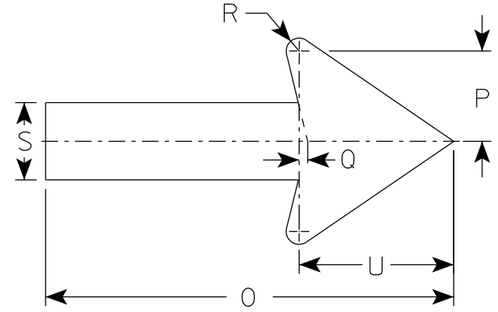
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

Arrow Detail



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

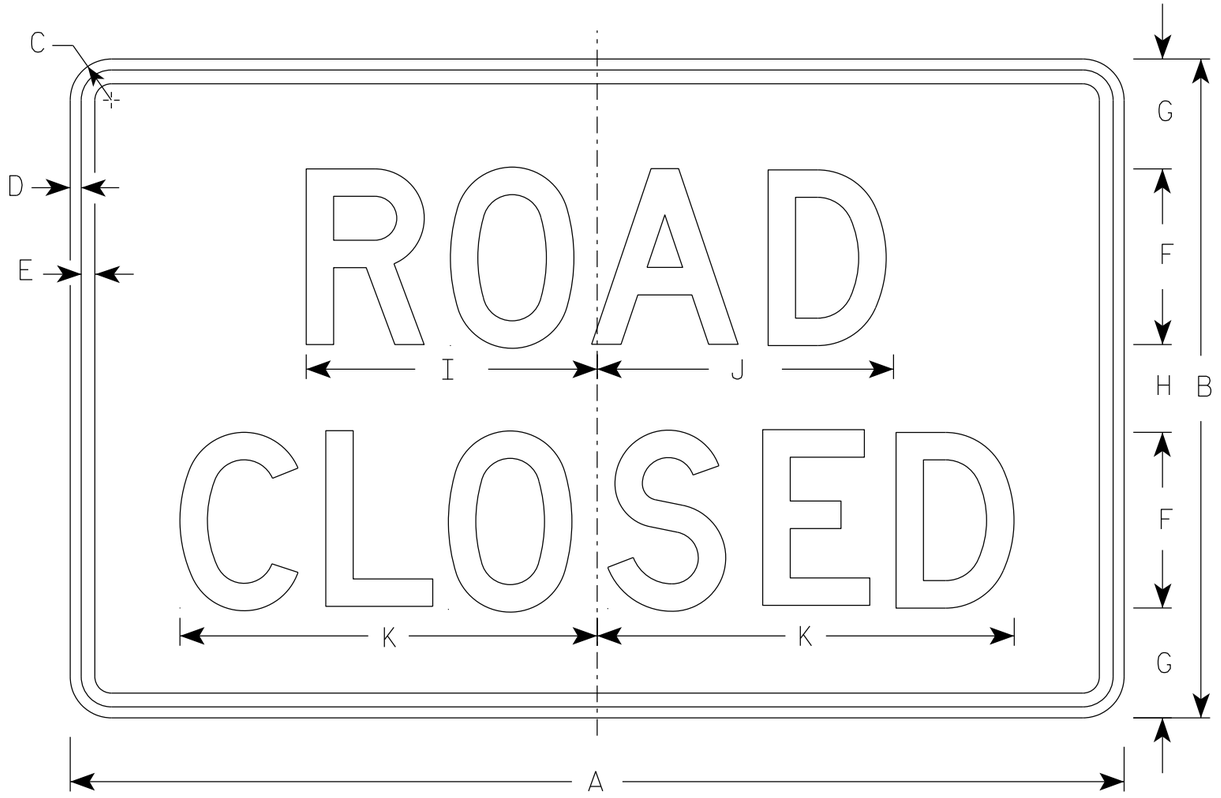
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

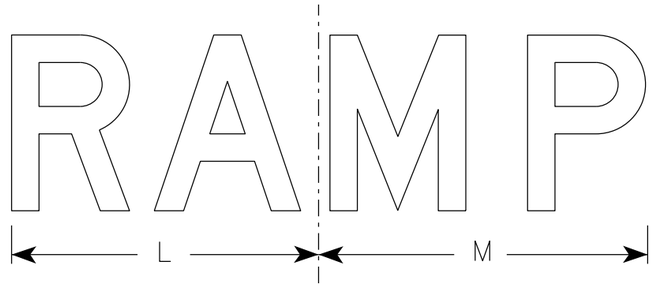
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 | E



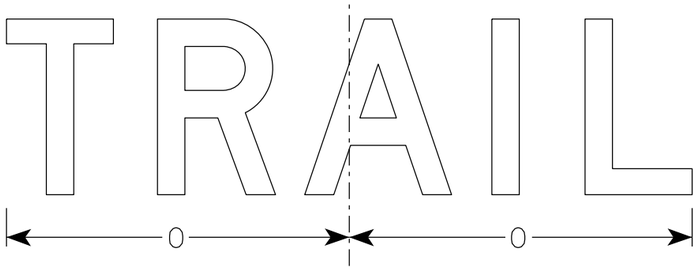
R11-2

NOTES

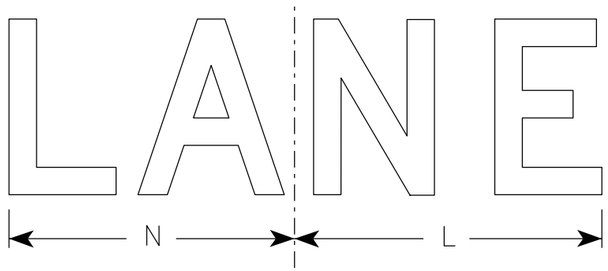
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

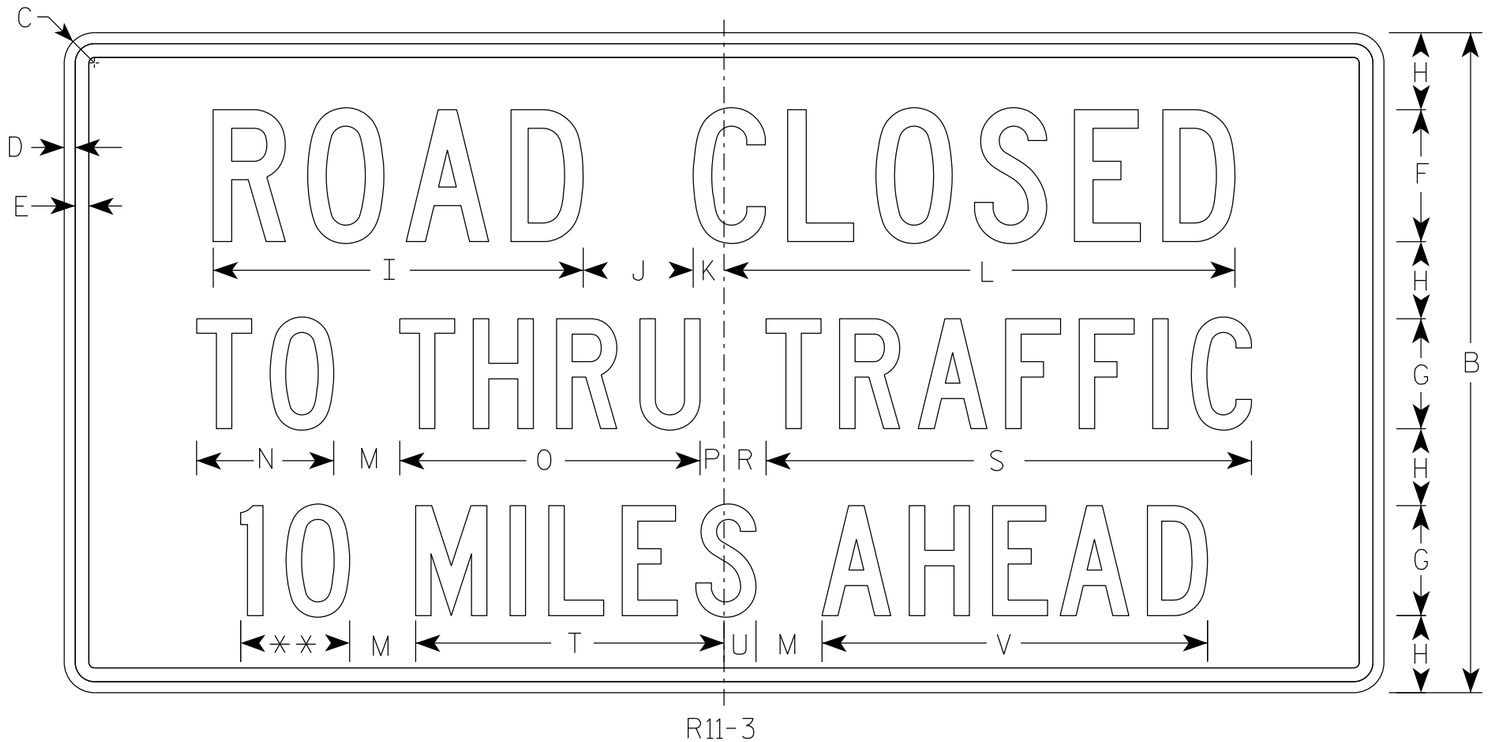
DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

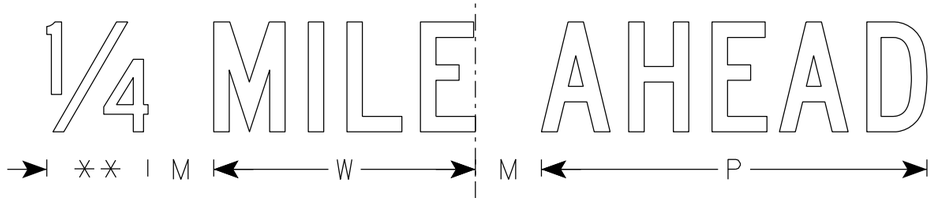
NOTES

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. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** 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	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

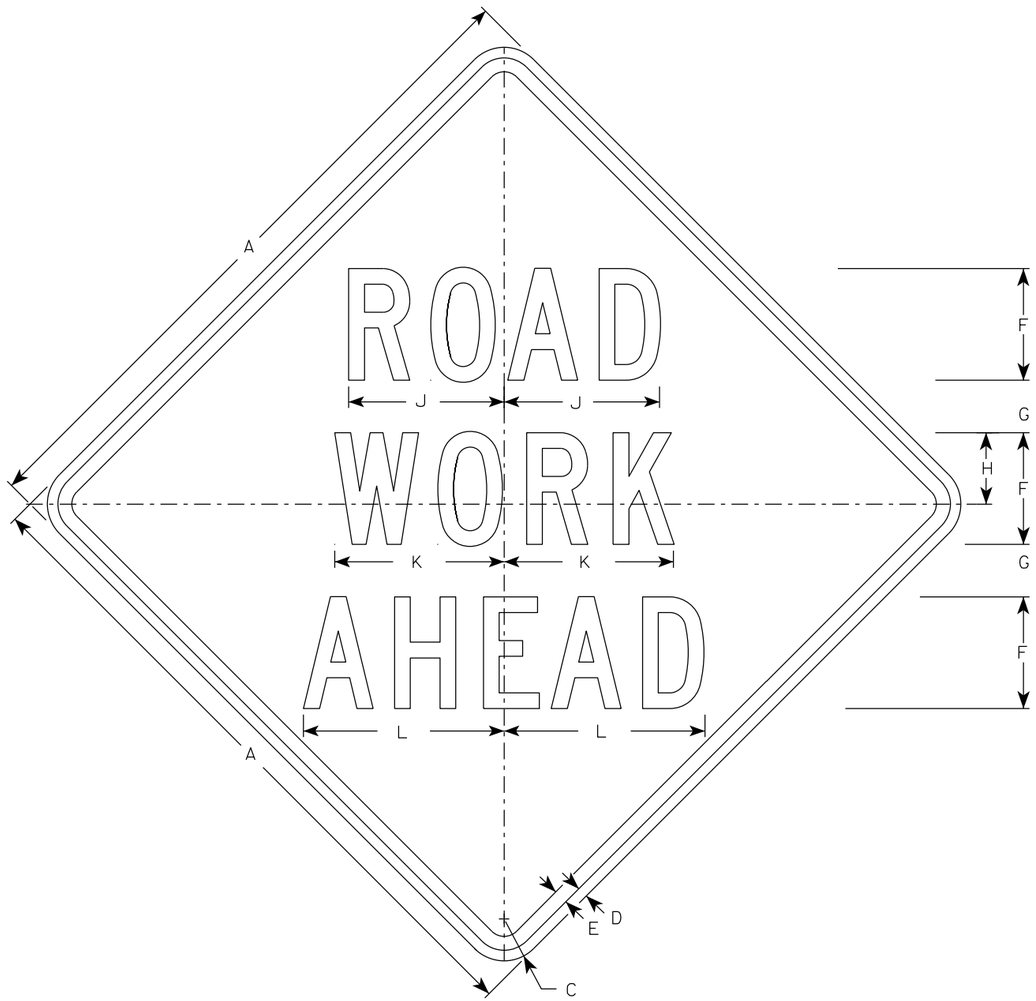
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

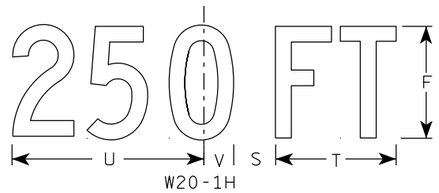
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 E

NOTES

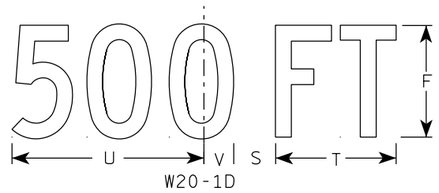
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A

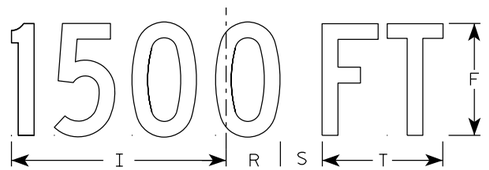


W20-1H

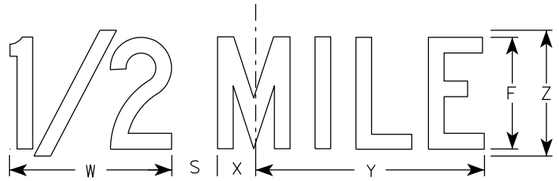


W20-1D

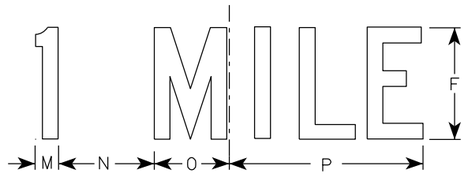
W20-1C



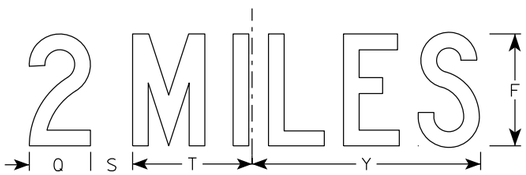
W20-1B



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		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

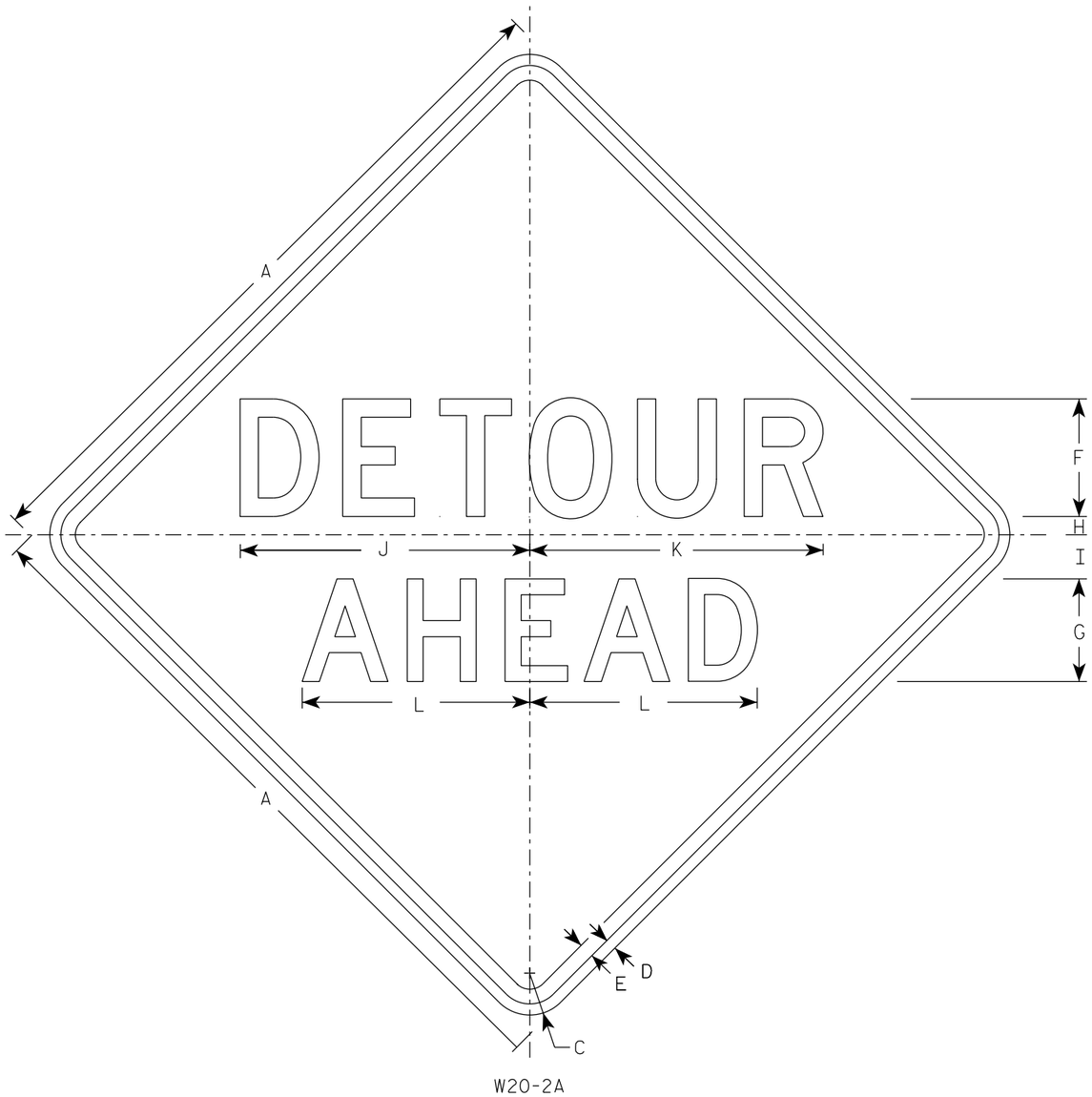
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

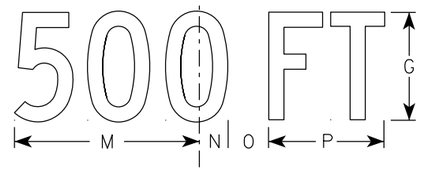
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

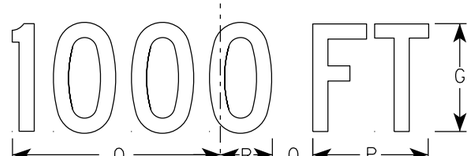
SHEET NO: 308 E



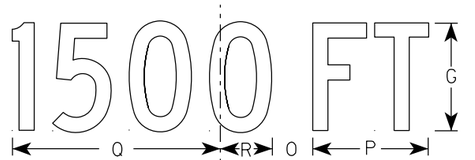
W20-2A



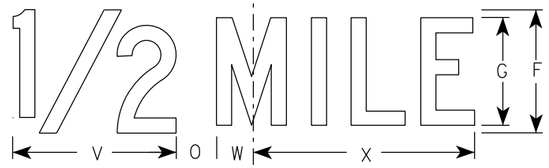
W20-2D



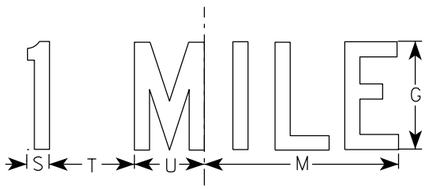
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

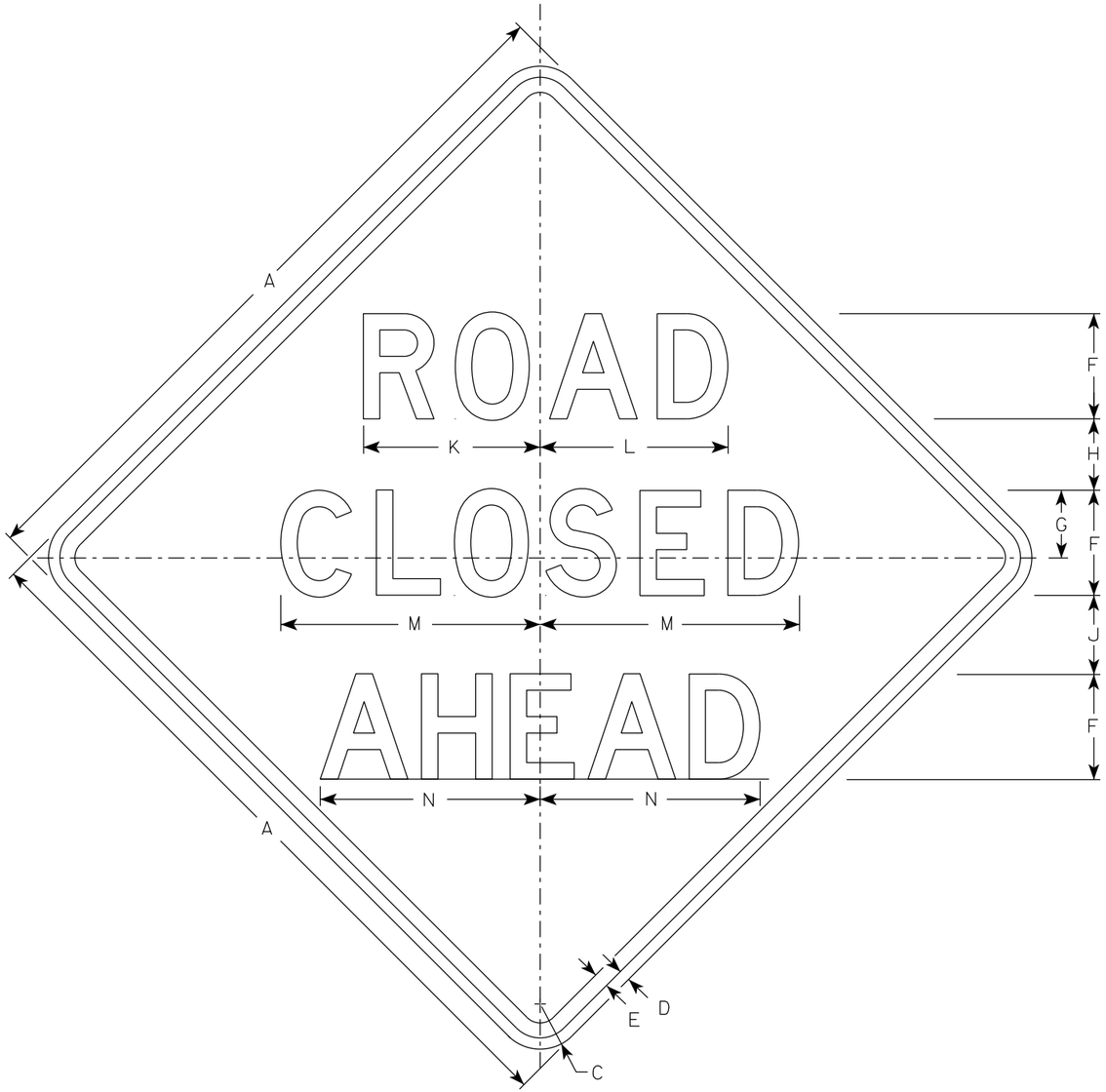
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

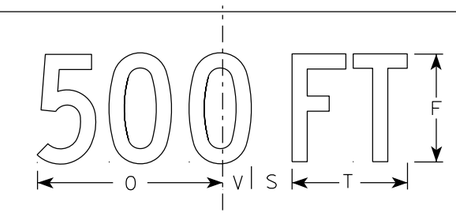
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

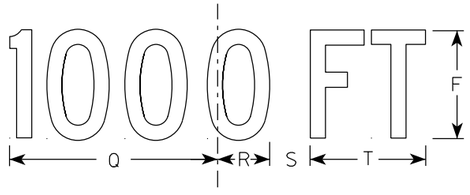
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



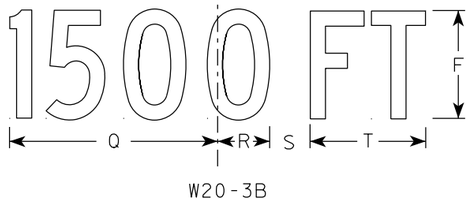
W20-3A



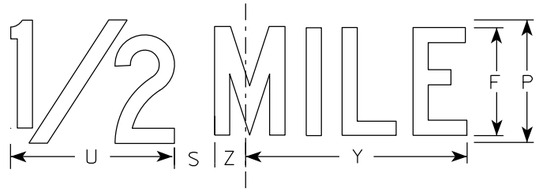
W20-3D



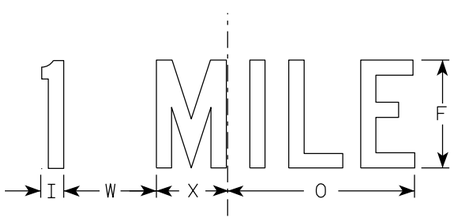
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

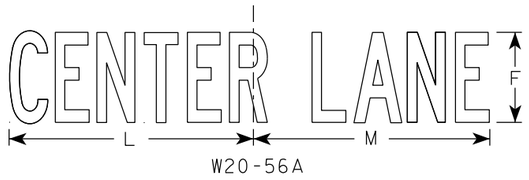
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

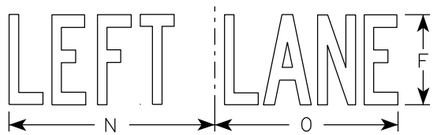
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

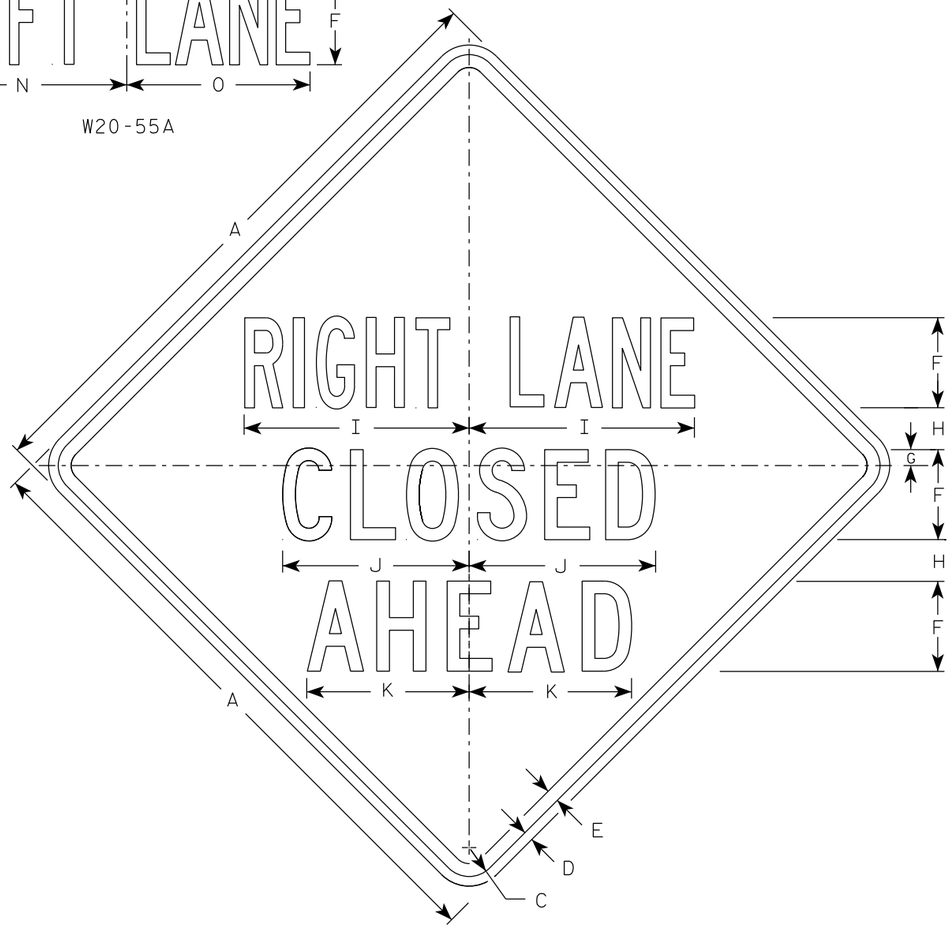
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



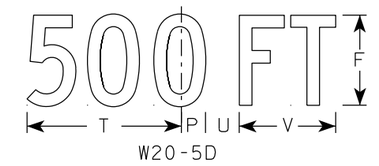
W20-56A



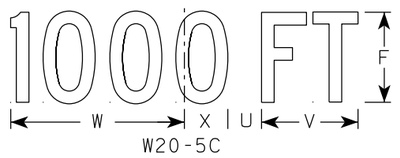
W20-55A



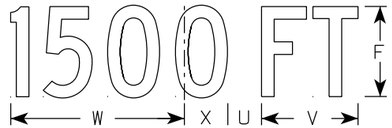
W20-5A



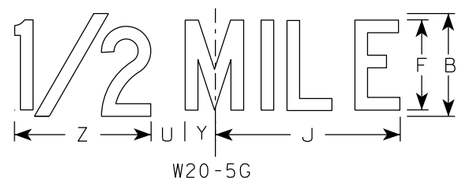
W20-5D



W20-5C



W20-5B



W20-5G

W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

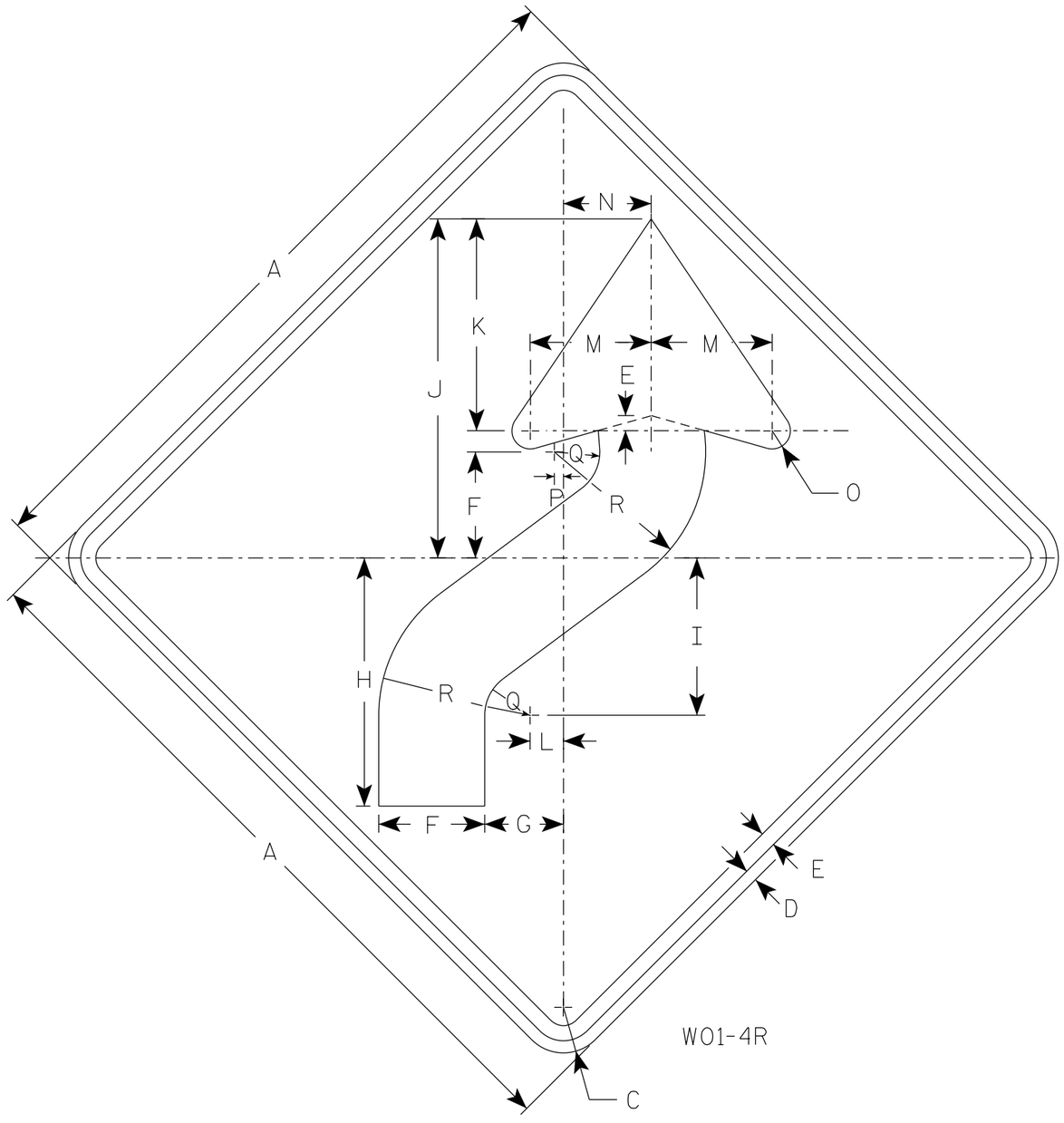
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

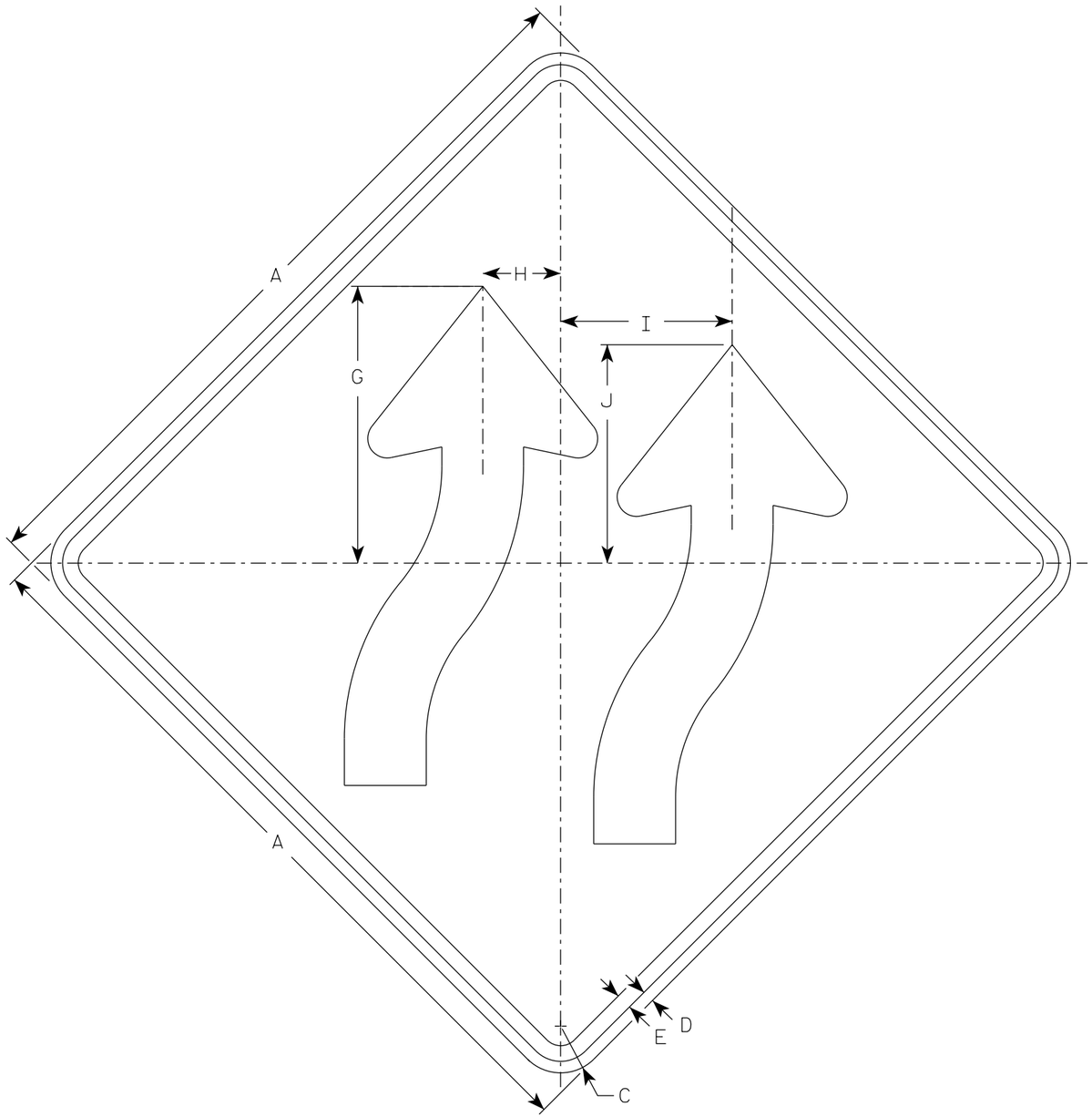
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

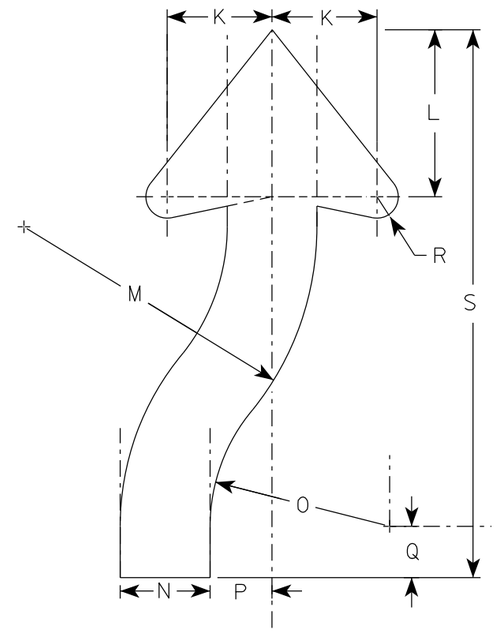
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E



W01-4BR

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4BL is the same as W014-BR exept arrows are 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		2 1/4	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

STANDARD SIGN
W01-4B

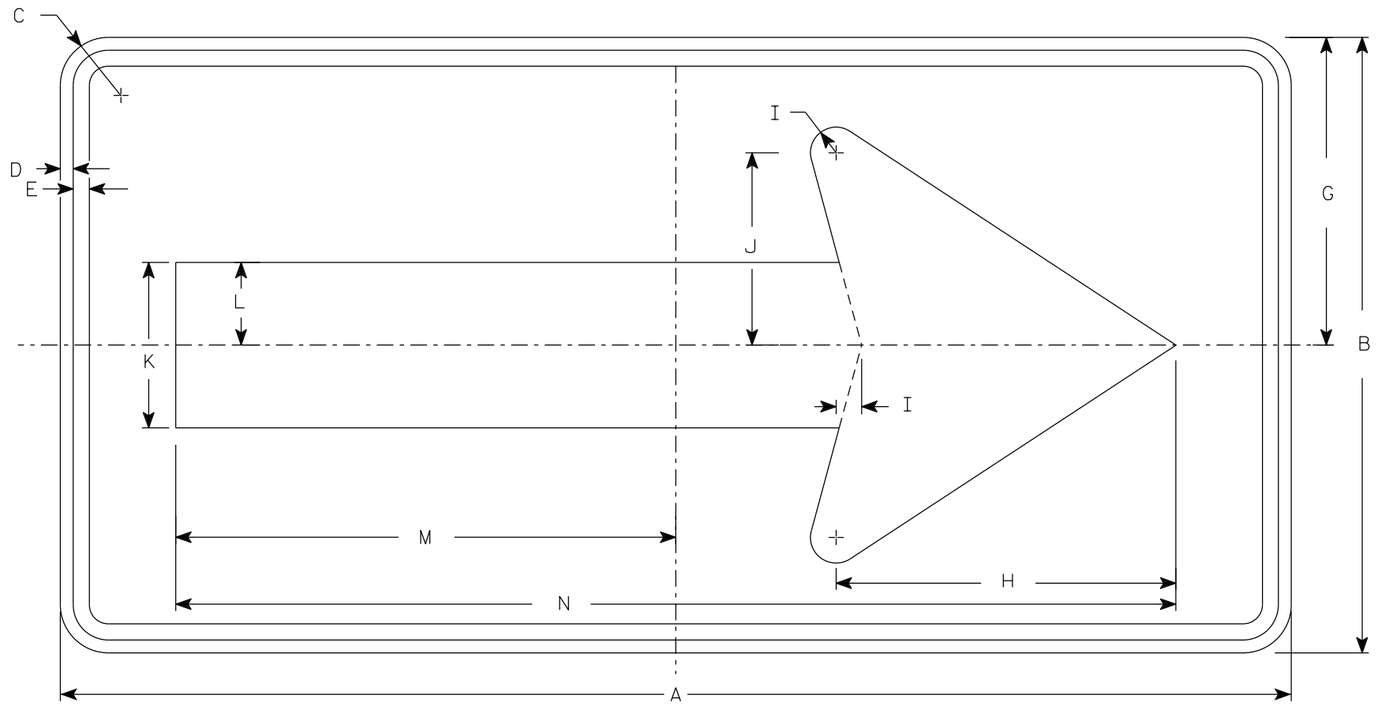
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014B.dgn PLOT DATE : 29-JAN 2024 3:41 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

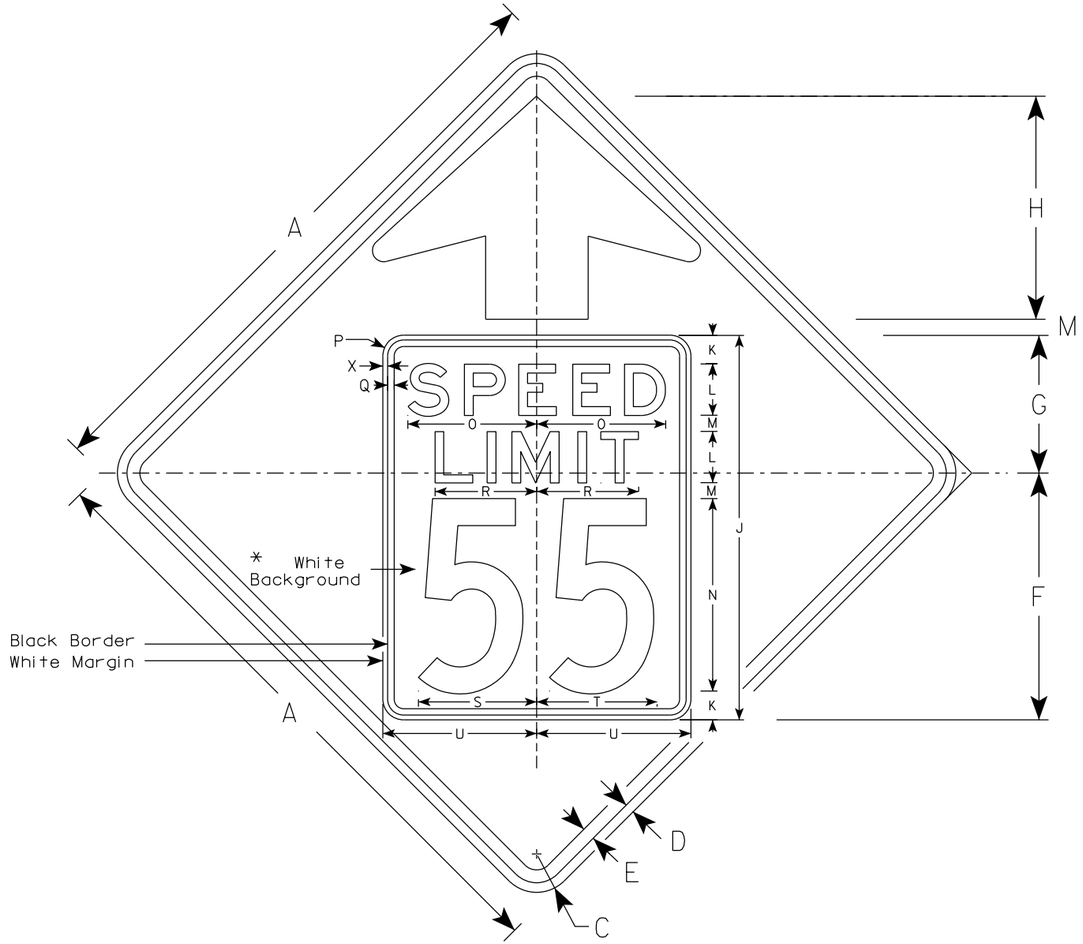
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

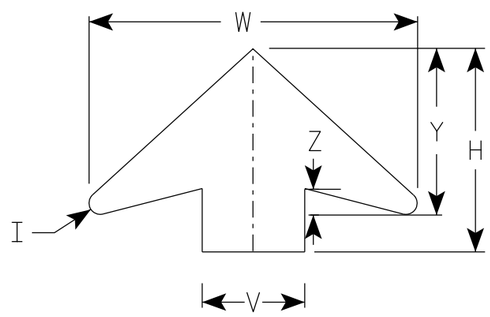


W03-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color: *
   Background - ORANGE*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2S	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
2M	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
3	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
4	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		3	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W03-5

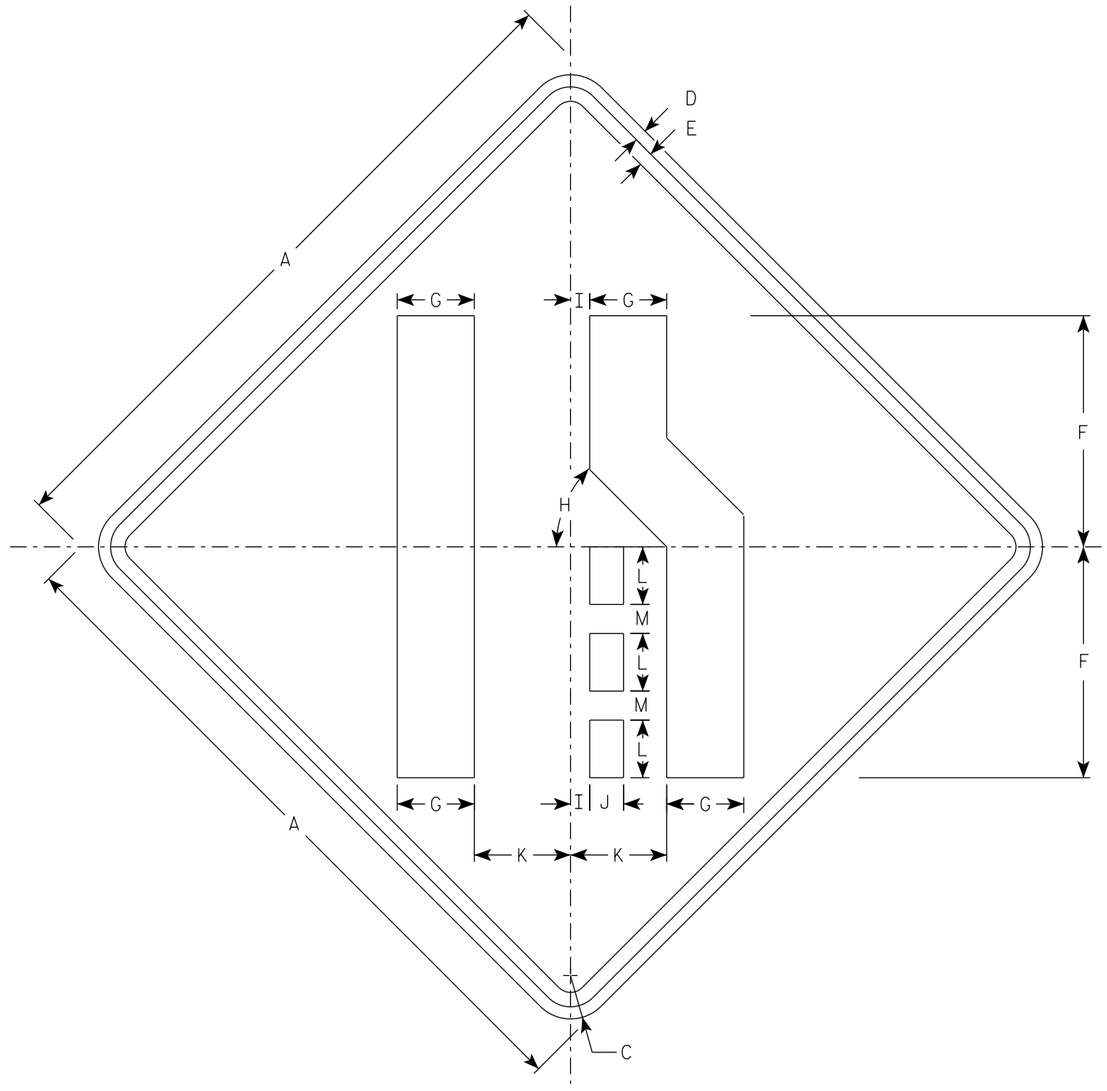
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-5.2

PROJECT NO:

SHEET NO: 315 E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

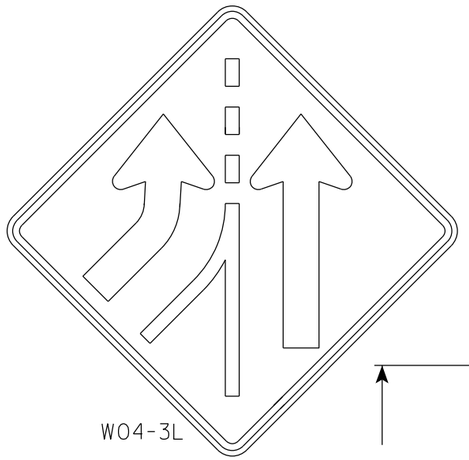
SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W042.dgn PLOT DATE : 25-JAN 2024 9:07 PLOT BY : dotc4c

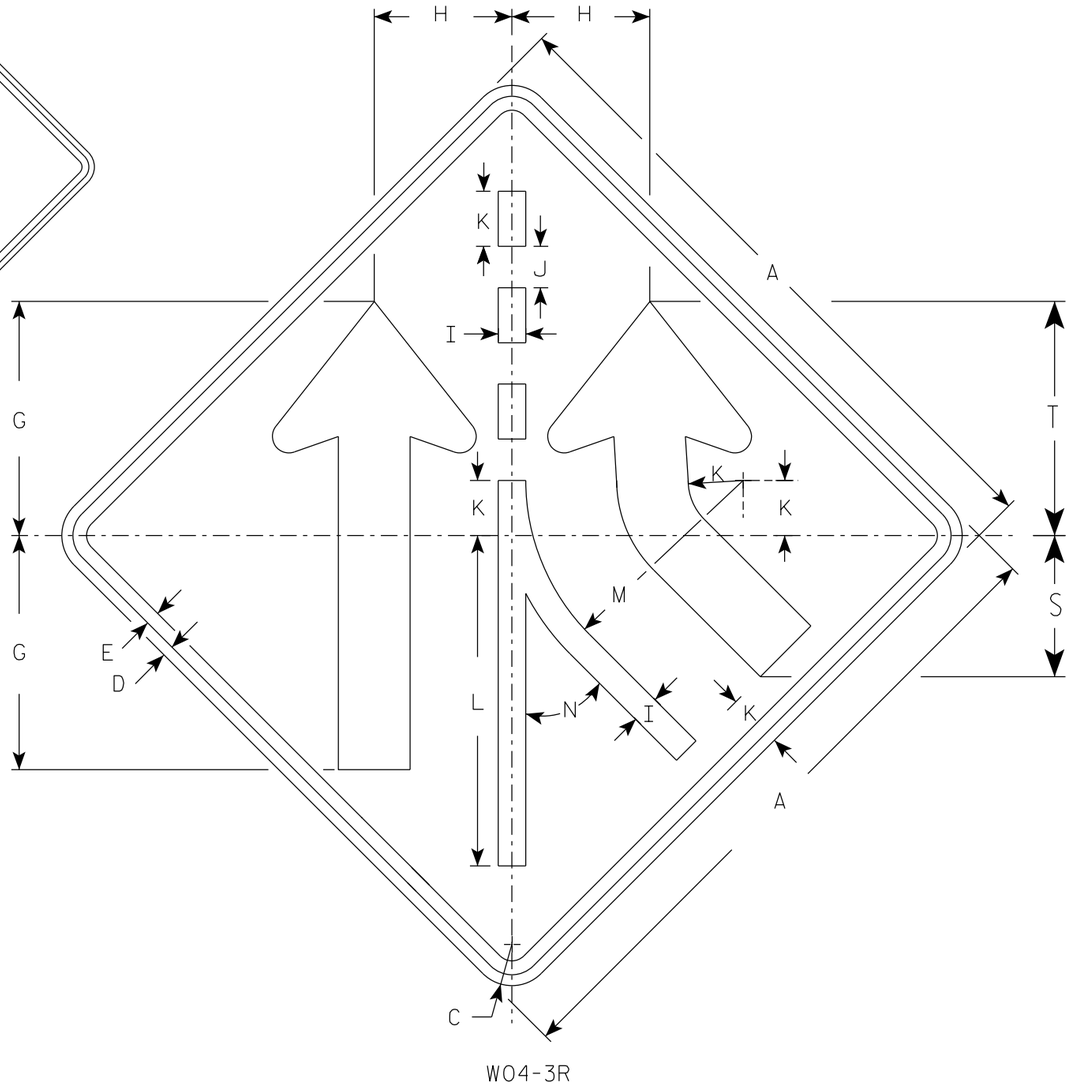
WISDOT/CADDS SHEET 42

7

7



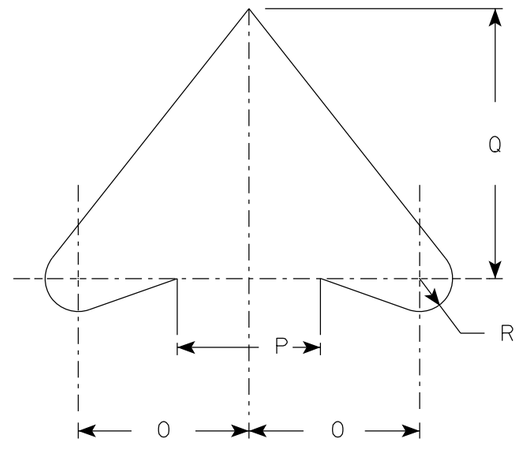
W04-3L



W04-3R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-3L is the same as W04-3R 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		2 1/4	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		3	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		3	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		3	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		3	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		3	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
W04-3

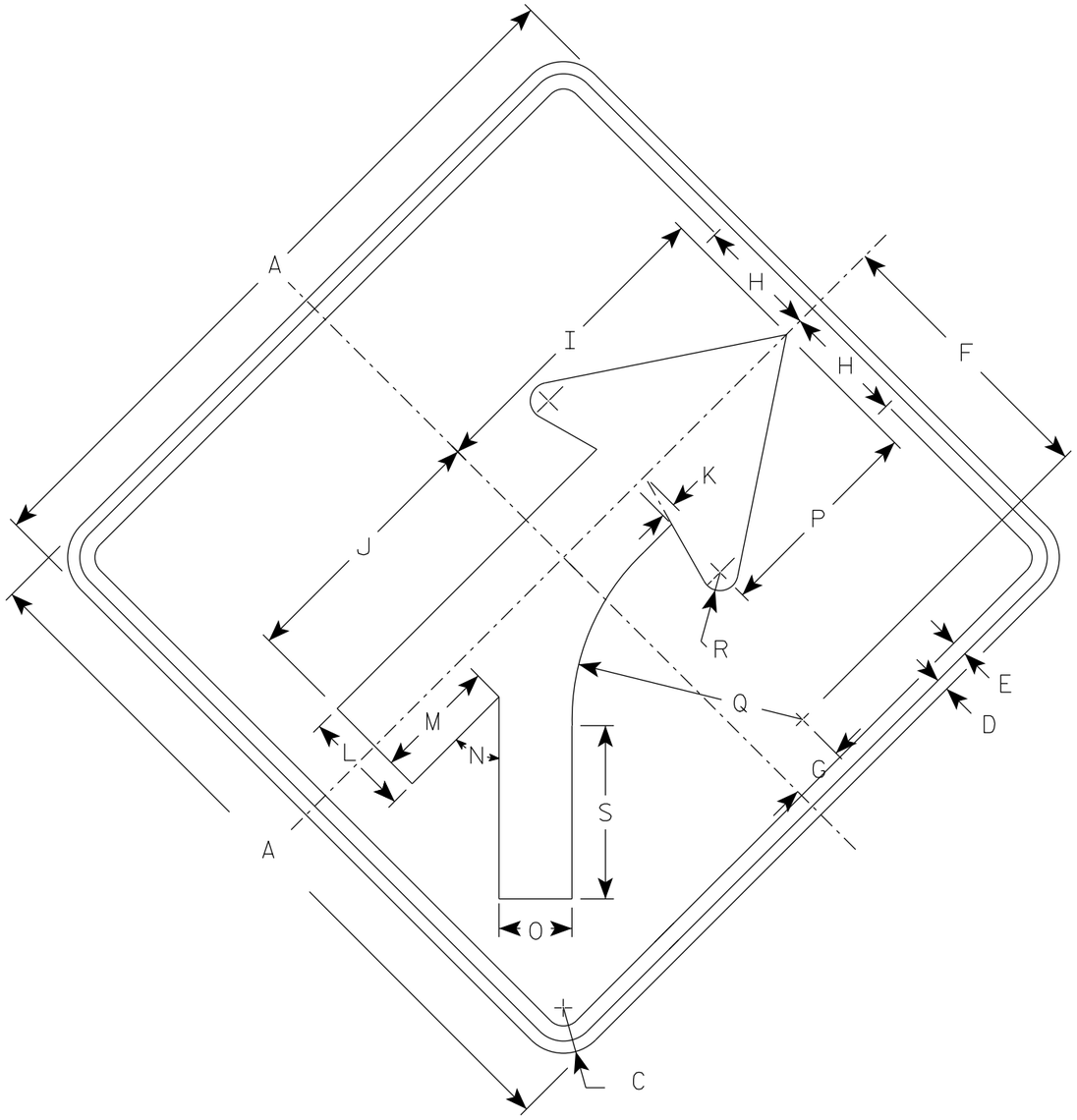
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-3.2

PROJECT NO:

SHEET NO: 317 E



W04-5R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-5L is the same as W04-5R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	3/4	5 1/4	6 1/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

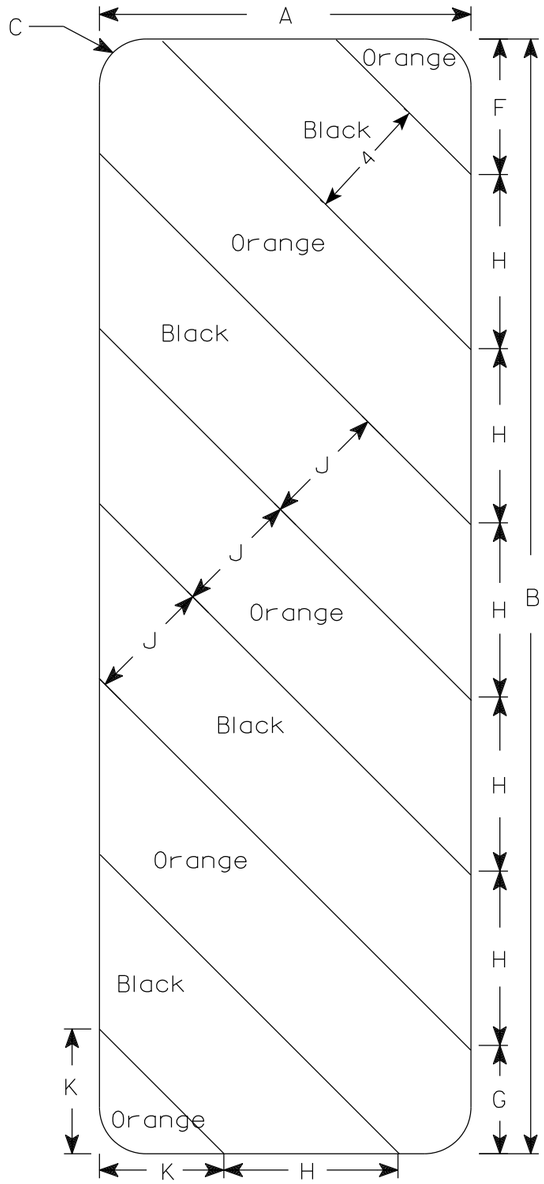
STANDARD SIGN
W04-5

WISCONSIN DEPT OF TRANSPORTATION

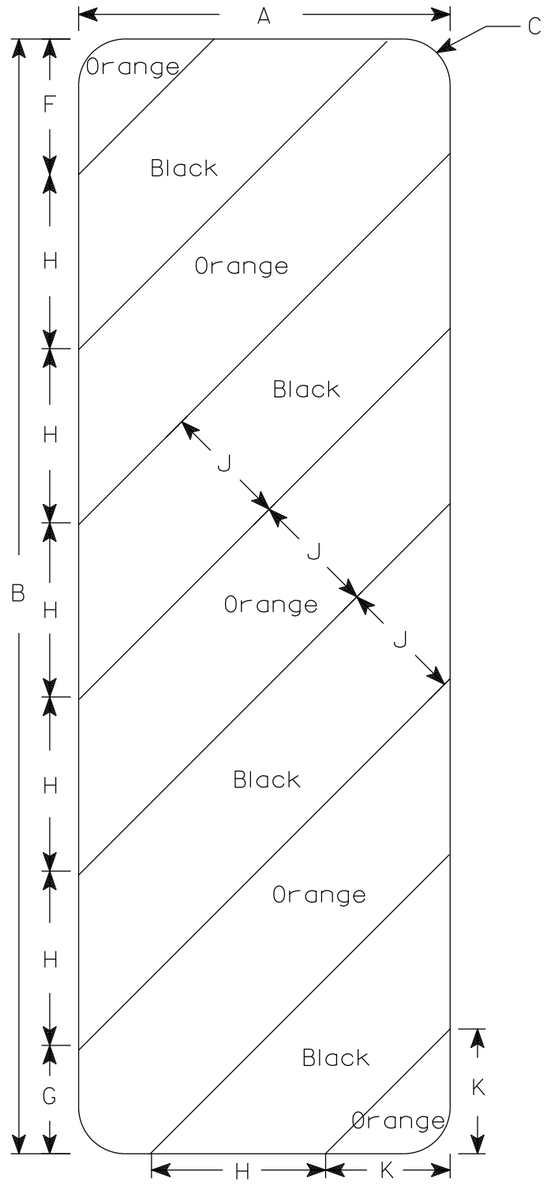
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-5.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E



W05-52L



W05-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

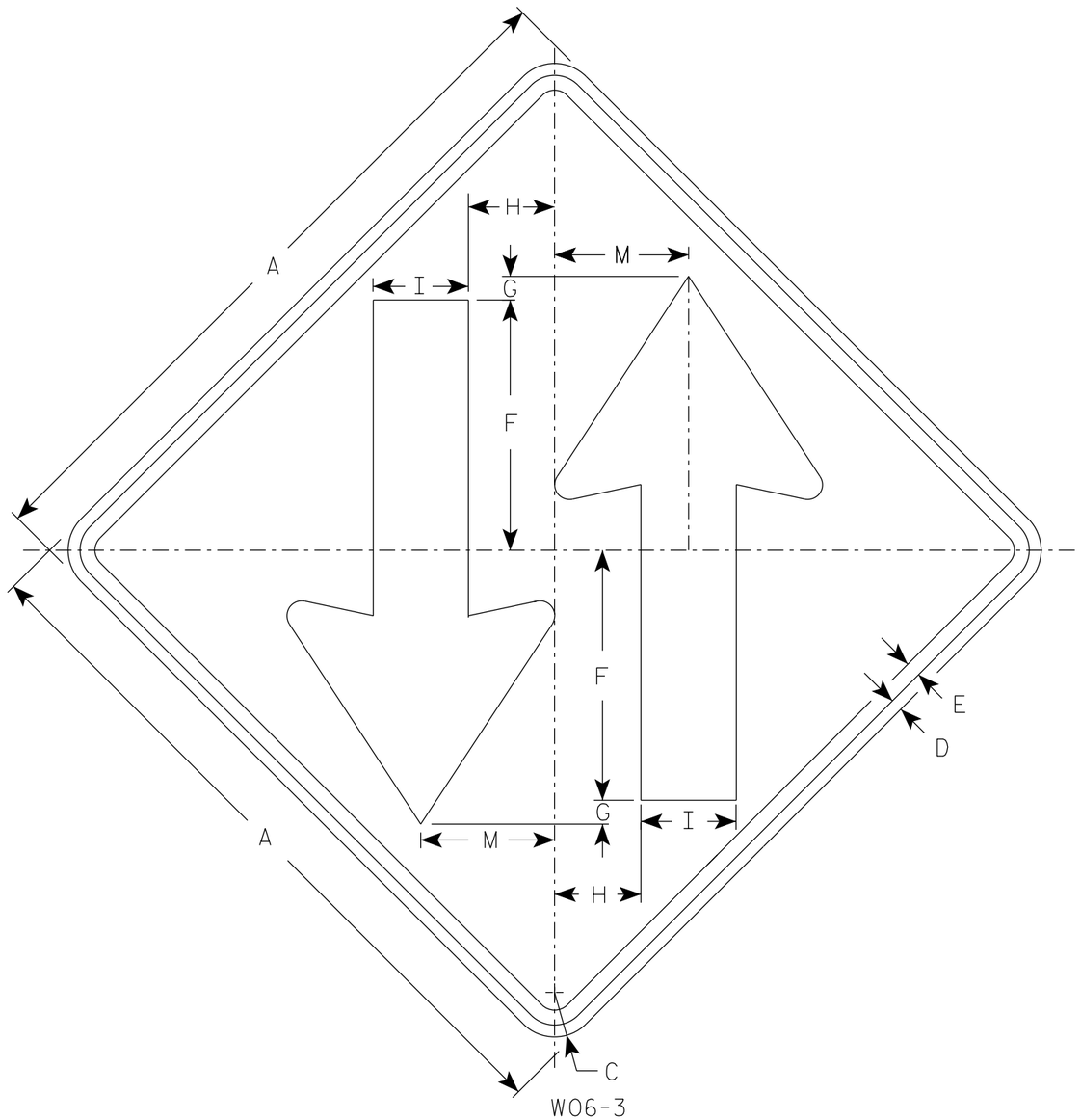
W05-52L & W05-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/2024 PLATE NO. W05-52.2

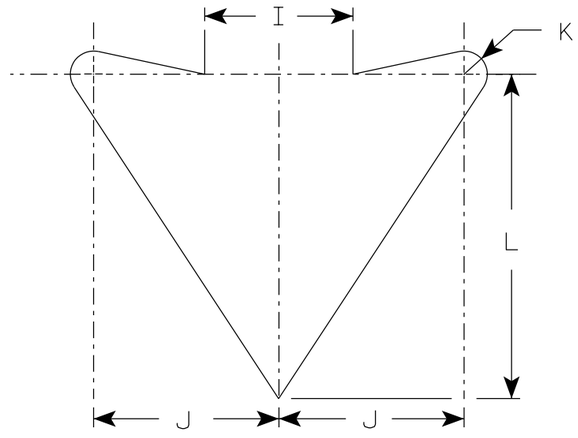
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 319 | E



W06-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		3	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

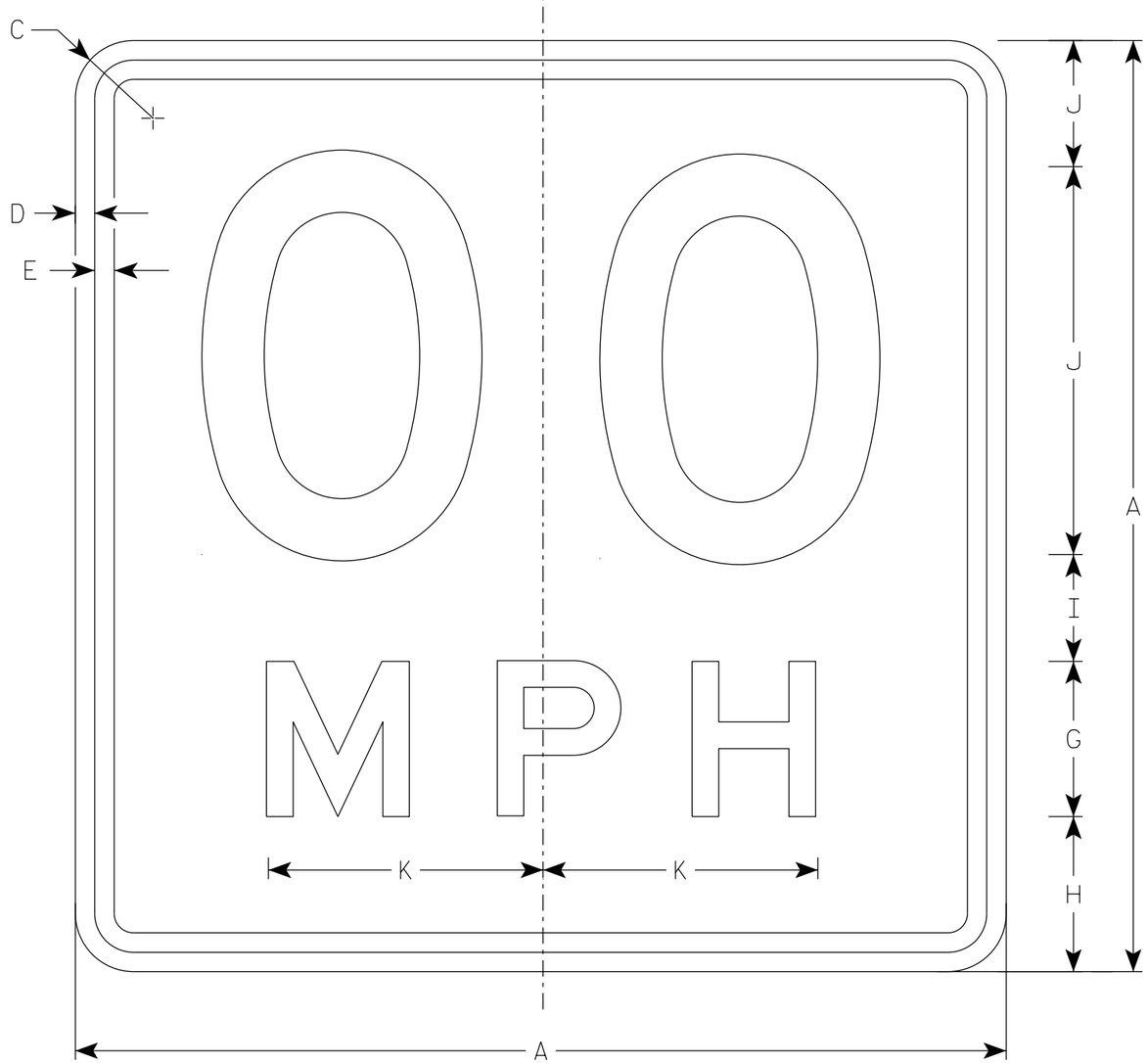
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/30/2024 PLATE NO. W06-3.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E



W013-1

NOTES

1. Sign is Type II - Type F Reflective
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 1/2	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.0
2S	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
2M	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
3	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
4	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0
5	36		2 1/4	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.0

STANDARD SIGN

W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W013-1.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0131.dgn PLOT DATE : 1-FEB 2024 9:56 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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Wisconsin Department of Transportation

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