WKE

PROJECT ID: 2265-11-72

WITH: N/A

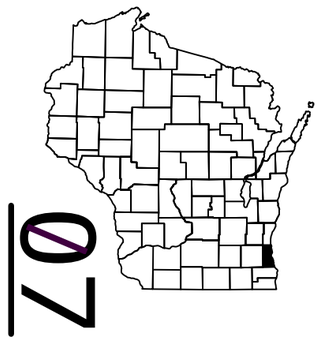
COUNTY: MILWAUKEE

OCTOBER 2025

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 = 324



07

N

DESIGN DESIGNATION

A.A.D.T.	2026	=	28,000
A.A.D.T.	2046	=	28,000
D.H.V.		=	1,509
D.D.		=	55/45
T.		=	5.6%
DESIGN SPEED		=	40 MPH
ESALS		=	1,840,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C GREENFIELD/MILWAUKEE, S 27TH ST

W BOTTSFORD AVE TO W HOWARD AVE

STH 241

MILWAUKEE

STATE PROJECT NUMBER
2265-11-72

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2265-11-72	WISC 2026007	1



BEGIN PROJECT
STA 1224+59.35
X = 595495.99
Y = 272580.16

END PROJECT
STA 1258+01.41

T-6-N

STRUCTURE C-40-042
BOX CULVERT

LAYOUT
SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.633 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MILWAUKEE 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-WI

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ORIGINAL PLANS PREPARED BY

CORRE ENGINEERING

MADISON | OCONOMOWOC | EAU CLAIRE | GREEN BAY | WITTENBERG

WISCONSIN JESSICA D. LEWIS E-37589 Lake Geneva, WI PROFESSIONAL ENGINEER

DATE: 6/16/25 Jessica Lewis (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT/CORRE, INC
Designer	CORRE, INC
Project Manager	DIEGO SILVA
Regional Examiner	
Regional Supervisor	MANAJOY NAG

APPROVED FOR THE DEPARTMENT

DATE: 6/16/2025 Diego Silva (Signature)

E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\010101-TI.DWG PLOT DATE : 6/2/2025 9:47 AM PLOT BY : JEFF KOMOROWSKI PLOT NAME :

UTILITIES CONTACTS

AT&T WISCONSIN
COMMUNICATION LINE
NATHAN GIBERT
411 7TH STREET
RACINE, WI 53403
PHONE: 262-720-8235
EMAIL: NG952W@ATT.COM

ATC MANAGEMENT, INC.
ELECTRICITY-TRANSMISSION
CHRIS DAILEY
W 234 N 2000 RIDGEVIEW PARKWAY CT P.O. BOX 47
WAUKESHA, WI 53187
PHONE: 262-506-6884
EMAIL: CDAILEY@ATCLLC.COM

CITY OF GREENFIELD
SEWER
JEFF KATZ
7325 W FOREST HOME AVE
GREENFIELD, WI 53220
PHONE: 414-329-5325
EMAIL: JEFFREY.KATZ@GREENFIELDWI.US

CITY OF MILWAUKEE
CONDUIT
CURT CAMPAGNA
1540 W CANAL ST
MILWAUKEE, WI 53233
PHONE: 414-286-5967
EMAIL: CACAMPA@MILWAUKEE.GOV

CITY OF MILWAUKEE
SEWER
CONNOR ZIRBEL
841 N BROADWAY, ROOM 820
MILWAUKEE, WI 53202
PHONE: 414-286-0509
EMAIL: CZIRBE@MILWAUKEE.GOV

CITY OF MILWAUKEE
STREET LIGHTING
NEAL KARWEIK
1540 W CANAL STREET
MILWAUKEE, WI 53233
PHONE: 414-286-5943
EMAIL: NKARWE@MILWAUKEE.GOV

CITY OF MILWAUKEE
WATER
MILWAUKEE WATER WORKS CONTROL CENTER (24/7 CONTACT)
841 N BROADWAY, ROOM 409
MILWAUKEE, WI 53202
PHONE: 414-286-3710

EVERSTREAM
COMMUNICATION LINE
SHAD GARCIA
324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
PHONE: 414-522-6685
EMAIL: SGARCIA@EVERSTREAM.NET

MIDWEST FIBER NETWORKS LLC
COMMUNICATION LINE
CORY SCHMUKI
6070 N FLINT RD
GLENDALE, WI 53209
PHONE: 414-459-3561
EMAIL: SBONNIEWELL@MIDWESTFIBERNETWORKS.COM

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT
SEWER
MICHAEL LEE
260 W SEEBOTH ST
MILWAUKEE, WI 53204
PHONE: 414-225-2241
EMAIL: MLEE@MMSD.COM

SPECTRUM
COMMUNICATION LINE
MARIO MEANS
1320 N. DR. MARTIN LUTHER KING JR DRIVE
MILWAUKEE, WI 53212
PHONE: 414-277-4024
EMAIL: MARIO.MEANS@CHARTER.COM

VERIZON BUSINESS
COMMUNICATION LINE
RJ CICATELLO JR.
15725 WEST RYERSON ROAD
NEW BERLIN, WI 53151
PHONE: 262-782-9836
EMAIL: RANDY.CICATELLO@VERIZON.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION
STREET LIGHTING
ERIC PEREA
141 NW BARSTOW STREET
WAUKESHA, WI 53188
PHONE: 262-574-5422
EMAIL: ERIC.PEREA@DOT.WI.GOV

WE ENERGIES
ELECTRICITY
ERIC KICKHAVER
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE: 262-806-9197
EMAIL: WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

WE ENERGIES
GAS/PETROLEUM
RYSZARD WONTOR
7815 NORTHWESTER AVE
RACINE, WI 53406
PHONE: 262-993-7559
EMAIL: WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 9.46 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.14 ACRES

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

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)

ARMOND SENSABAUGH
TRANSPORTATION COORDINATOR - DETOURS
1942 N. 17TH STREET
MILWAUKEE, WI 53205
PHONE: 414-343-1728
EMAIL: ASENSABAUGH@MCTS.ORG

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)

DAVID LOCHER
TRANSPORTATION COORDINATOR - BUS STOPS
1942 N. 17TH STREET
MILWAUKEE, WI 53205
PHONE: 414-343-1727
EMAIL: DLOCHER@MCTS.ORG

MILWAUKEE COUNTY TRANSIT SYSTEM (MCTS)

JESUS OCHOA
PLANNING MANAGER
1942 N. 17TH STREET
MILWAUKEE, WI 53205
PHONE: 414-344-4550 EXT. 3591
EMAIL: JOCHUA@MCTS.ORG

SEWRPC

ROB MERRY
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISION
W239 N1812 ROCKWOOD DRIVE P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: 262-953-4289
EMAIL: RMERRY@SEWRPC.ORG

SEWRPC

ANDY TRAEGER
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISION
W239 N1812 ROCKWOOD DRIVE P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: 262-953-4296
EMAIL: ATRAEGER@SEWRPC.ORG

WISCONSIN DNR LIAISON

RYAN PAPPAS
SOUTHERN REGION
141 NW BARSTOW ROOM 180
WAUKESHA, WI 53188
PHONE: 414-750-7495
EMAIL: RYAN.PAPPAS@WISCONSIN.GOV

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL DETAILS
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
PERMANENT SIGNING
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL PLAN
TRAFFIC SIGNAL PHASING
CABLE ROUTING CHART
PAVEMENT MARKING
STAGE CONSTRUCTION AND PEDESTRIAN ACCOMMODATIONS
DETOURS
ALIGNMENT DETAILS

STH 241 4-INCHES		
LAYER	THICKNESS	TYPE
UPPER	1 3/4-INCHES	4 MT 58-28 H
LOWER	2 1/4-INCHES	3 MT 58-28 S

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER.

FOR INLET AND CATCH BASIN STRUCTURES LOCATED IN THE CURB OR IN FRONT OF BARRIER, STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE FLOW LINE. MH STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURE. SEE CONSTRUCTION DETAILS.

CONTACT THE PROJECT ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC), AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.

SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

PLACE TOPSOIL 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS IN RESTORATION AREAS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND PIPES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

VERIFY THE EXISTING STORM SEWER SYSTEM CONNECTION LOCATIONS AND ELEVATIONS BEFORE ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLANS BEFORE INSTALLING THE PROPOSED STORM SEWER.

2

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CITY OF GREENFIELD

CITY OF MILWAUKEE

VILLA MANN CREEK

OFF RAMP

IH 41/43/894

W BOTTSFORD AVE

W COLD SPRING RD

BEGIN PROJECT
STA 1224+59

END PROJECT
STA 1258+01

ARLINGTON PARK CEMETARY

ONE WAY STOP

ONE WAY STOP

241

241

1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270

ON RAMP

CULVERT C-40-42
CONCRETE SURFACE REPAIR

W WHITAKER AVE

ONE WAY STOP

W BOLIVAR AVE

SIGNALIZED INTERSECTION

W PLAINFIELD AVE

SIGNALIZED INTERSECTION

W HOWARD AVE

OFF RAMP

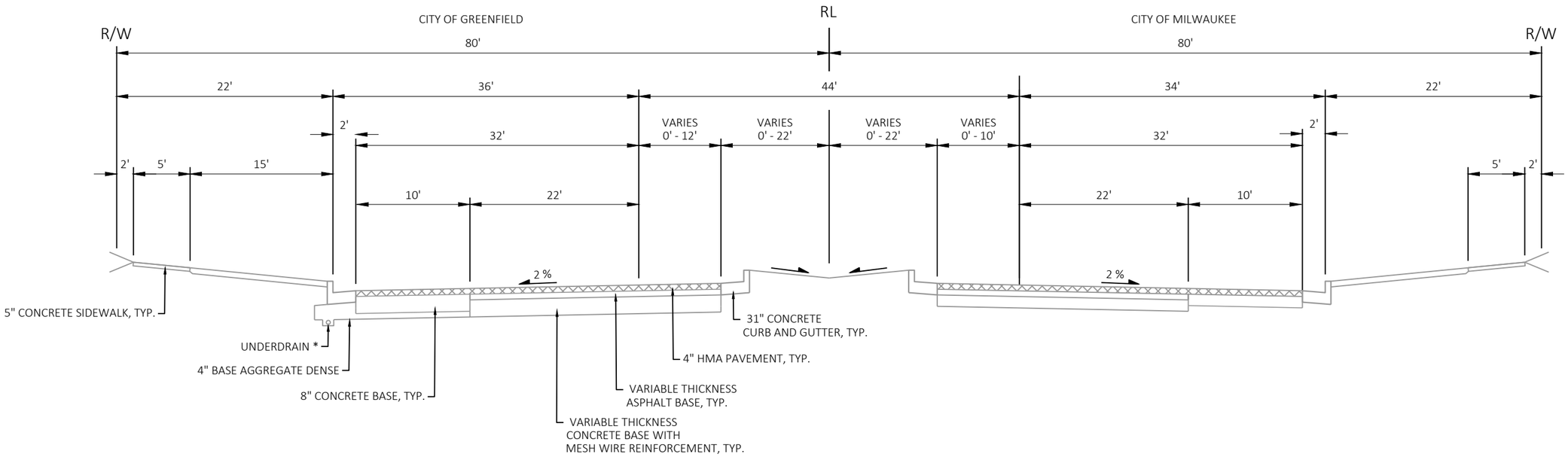
CITY OF MILWAUKEE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\020201-PO.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:10 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:400FT

2



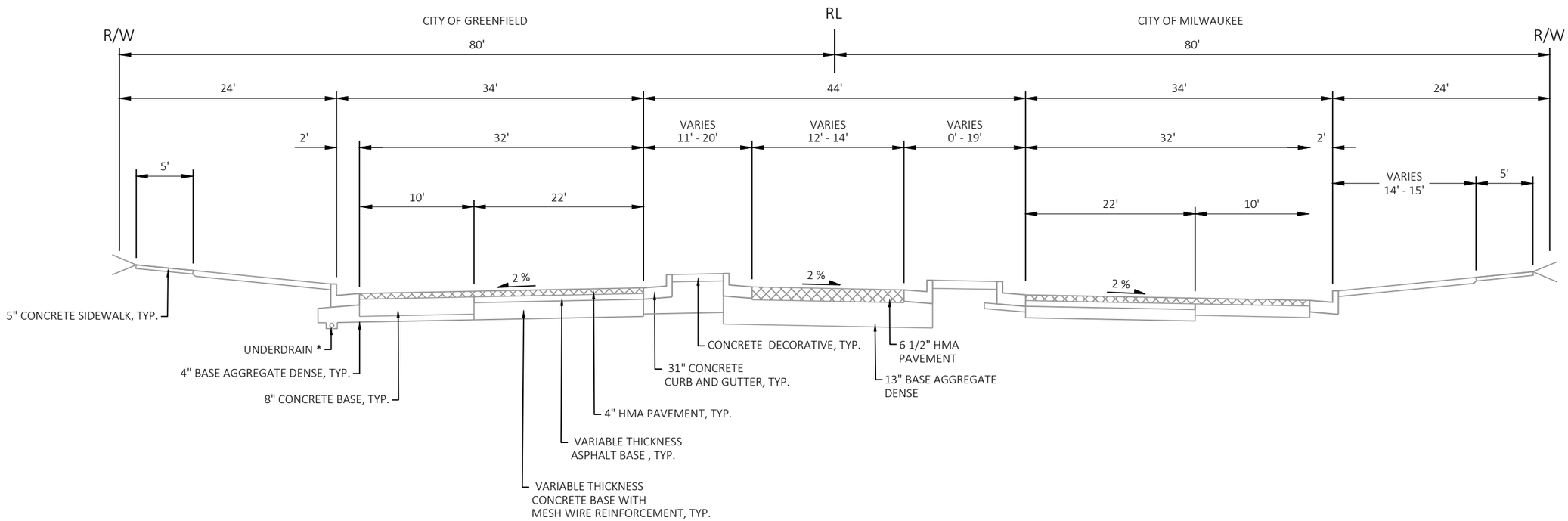
EXISTING TYPICAL SECTION

STH 241
STA 1224+59 - 1228+24 *
STA 1236+26 - 1256+67 *

* EXISTING UNDERDRAIN ONLY WITHIN CITY OF GREENFIELD

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 5	E

2



INTERSECTION WORK:

STA 1231+91 - 1233+24 - INCLUDES 5" HMA PAVEMENT TYPE E-10

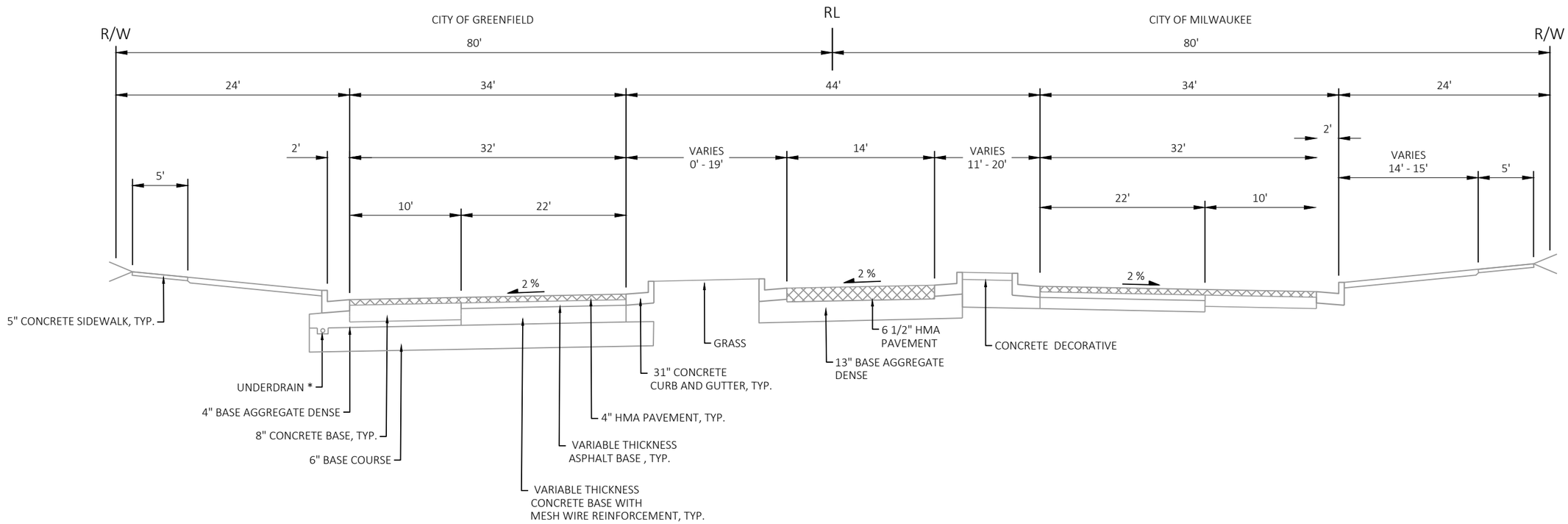
* EXISTING UNDERDRAIN ONLY WITHIN CITY OF GREENFIELD

EXISTING TYPICAL SECTION

STH 241
STA 1228+24 - 1232+57
STA 1256+67 - 1258+01*

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E

2



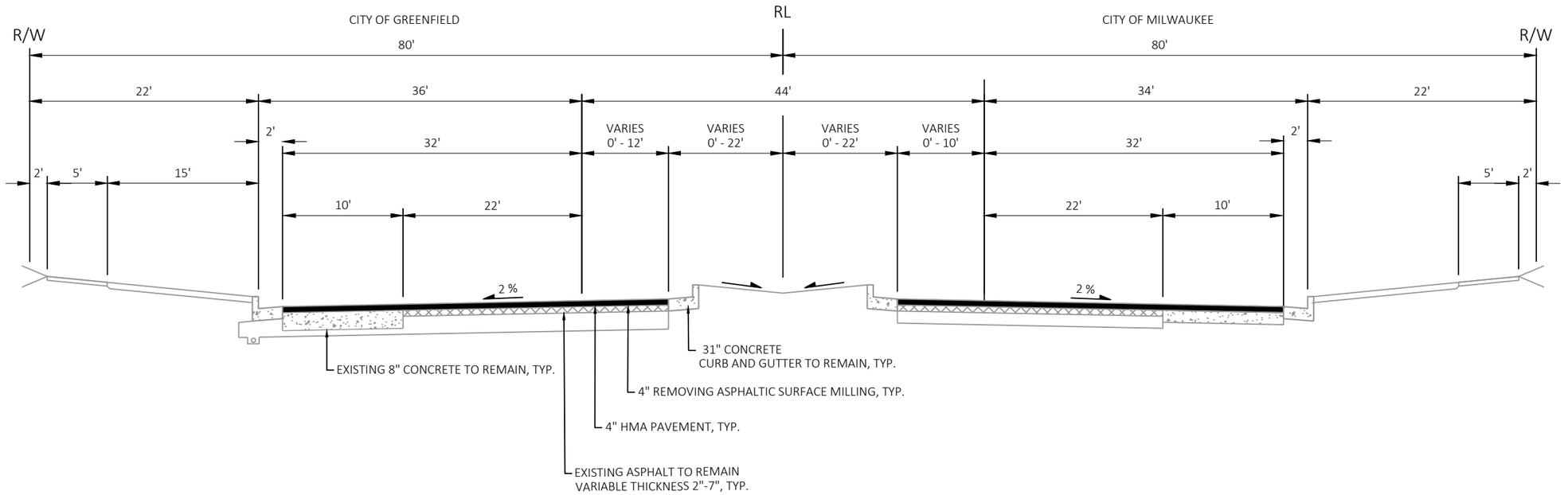
* EXISTING UNDERDRAIN ONLY WITHIN CITY OF GREENFIELD

EXISTING TYPICAL SECTION

STH 241
STA 1232+57 - 1236+26 *

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E

2

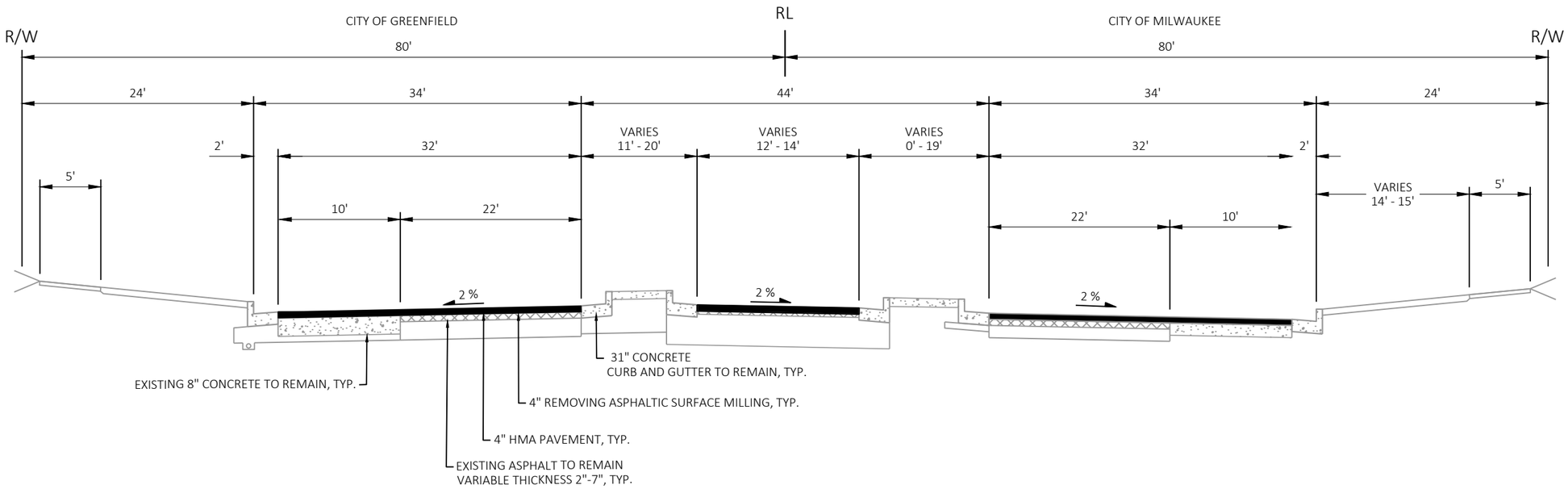


FINISHED TYPICAL SECTION

STH 241
STA 1224+59 - 1228+24
STA 1236+26 - 1256+67

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E

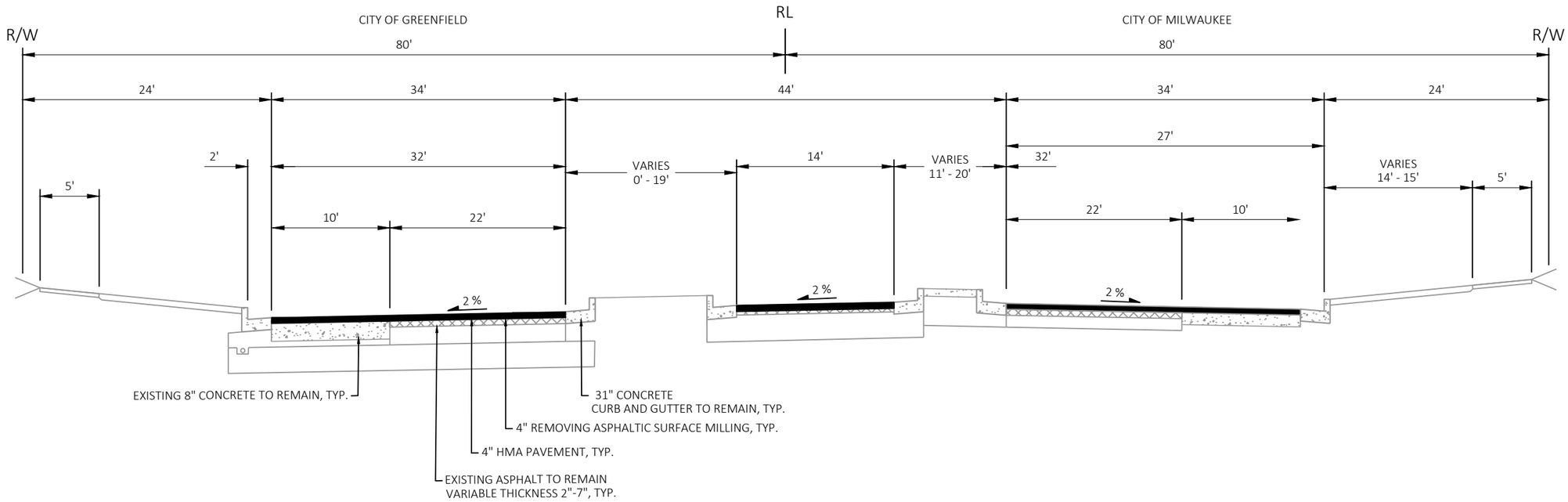
2



FINISHED TYPICAL SECTION

STH 241
STA 1228+24 - 1232+57
STA 1256+67 - 1258+01

2



FINISHED TYPICAL SECTION

STH 241
STA 1232+57 - 1236+26

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\020301-TS.DWG
LAYOUT NAME - 06-10ft
PLOT DATE : 6/30/2025 2:10 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

REMOVING CURB AND GUTTER AND PAVEMENT TO THE LIMITS SHOWN, EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE ADJUSTING OR RECONSTRUCTING BID ITEMS.

THE DEPARTMENT WILL PAY SEPARATELY FOR SAWING CONCRETE, CONCRETE CURB & GUTTER AND DRILLED TIE BARS.

MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING IS INCIDENTAL TO THE CONCRETE CURB & GUTTER BID ITEM.

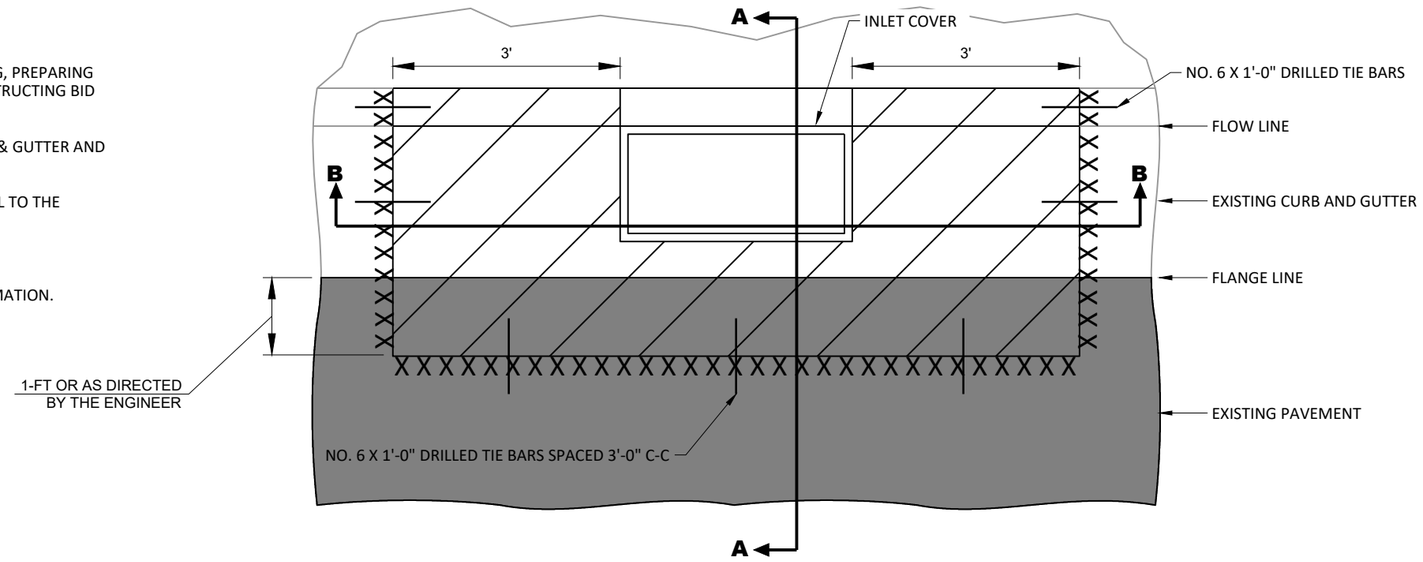
PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

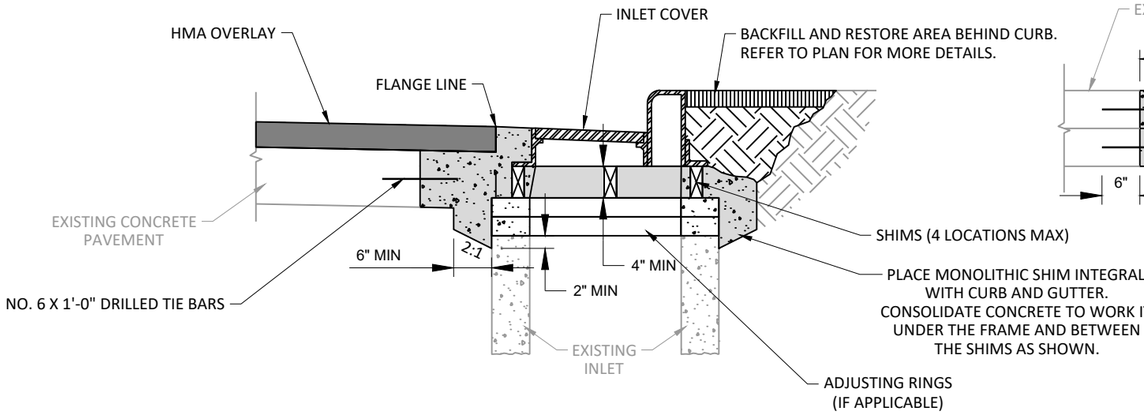
X X X SAWING CONCRETE

REMOVING CURB & GUTTER AND PAVEMENT

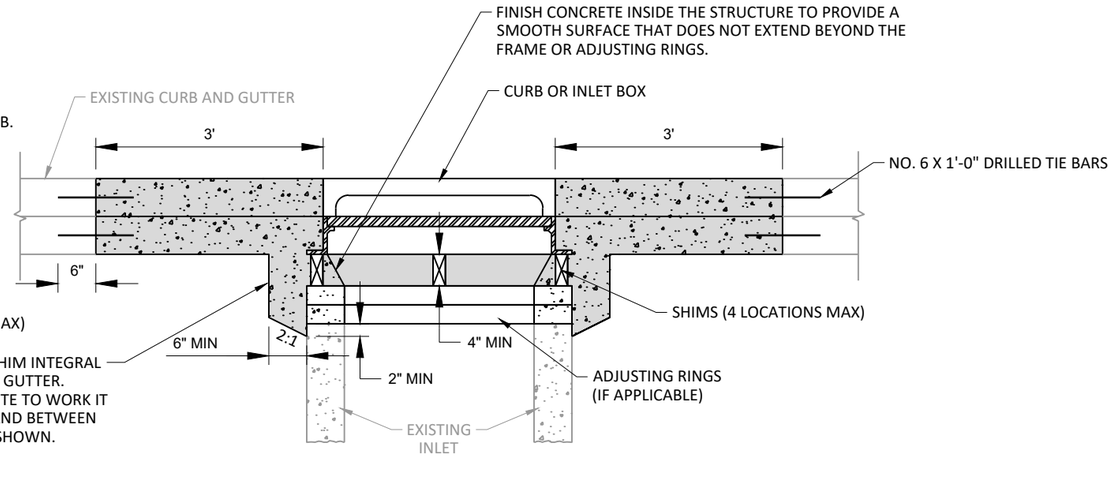
MONOLITHIC CONCRETE



PLAN VIEW

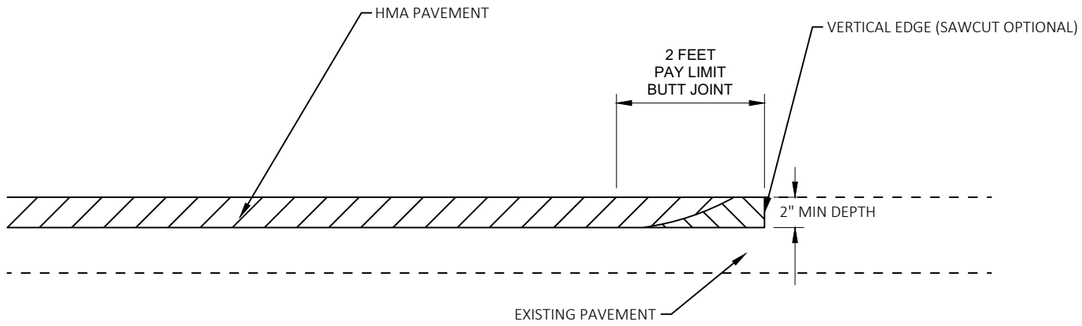


SECTION A-A



SECTION B-B

ADJUSTING / RECONSTRUCTING CATCH BASINS & INLETS - MONOLITHIC SHIM

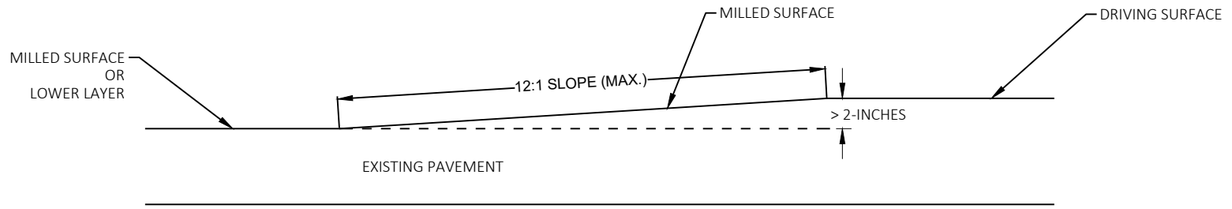


TEMPORARY PAPER JOINT PLACED AFTER MILLING TO BE REMOVED PRIOR TO PAVING

REMOVING ASPHALTIC SURFACE MILLING

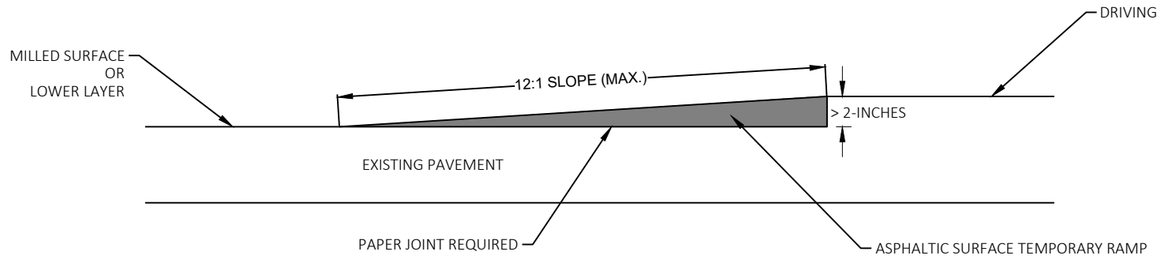
BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS - (NO PROFILE CHANGE)

2



MILLED RAMP

NOTES:
- THESE CONSTRUCTION DETAILS AND THE SPECIAL PROVISIONS SUPPLEMENT THE REQUIREMENTS FOR PROVIDING DROP-OFF PROTECTION AS STATED IN STANDARD SPECIFICATION 104.6.1.2.3.
- ASPHALTIC SURFACE TEMPORARY RAMP PAID FOR AS 'ASPHALTIC SURFACE TEMPORARY'
- INSTALLATION, REMOVAL, AND DISPOSAL OF RAMP IS INCIDENTAL TO ASPHALTIC SURFACE TEMPORARY BID ITEM.



ASPHALTIC SURFACE TEMPORARY RAMP

2

LEGEND

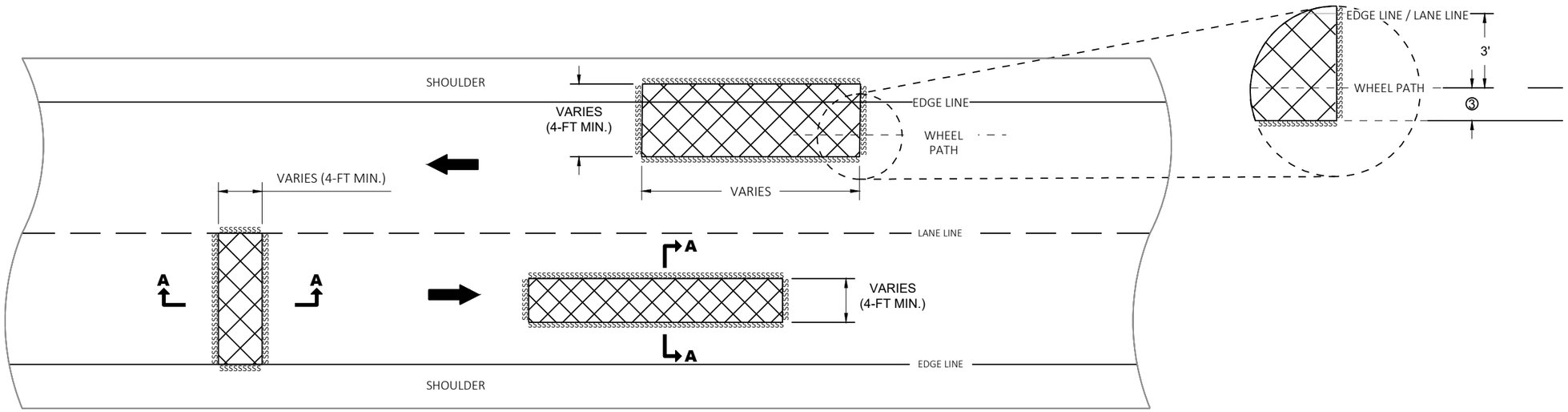
ASPHALTIC REPAIR

ssssss VERTICAL MILLED EDGE
SAW CUTTING AT THE CONTRACTORS DISCRETION

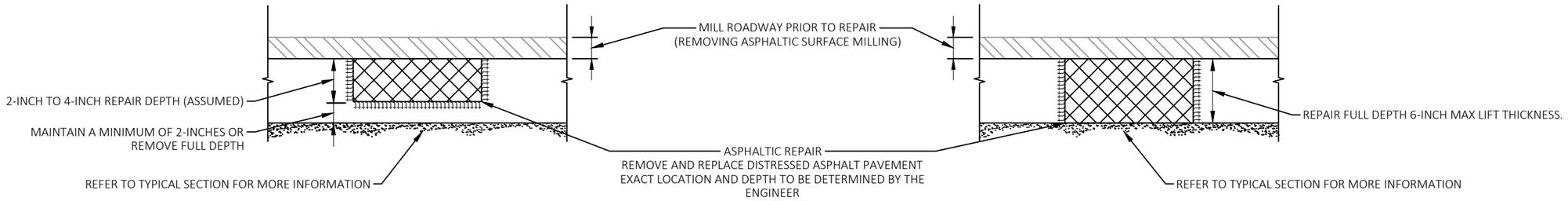
ttttttt TACK COAT

GENERAL NOTES

1. EXACT LOCATION, DEPTH AND SIZE OF REPAIR TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. MILL PAVEMENT PER PLAN PRIOR TO MAKING ASPHALTIC REPAIR.
3. LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.
4. ASPHALTIC REPAIR PAVING TO BE DONE ON THE SAME DAY AS REMOVAL.



PLAN VIEW



PARTIAL DEPTH **FULL DEPTH**

SECTION A-A

ASPHALTIC REPAIR

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 14	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021001-CD.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:11 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

PRIOR TO MILLING AND PAVING.

A. SAWCUT EXISTING PAVEMENT FULL DEPTH.
B. REMOVE AND STORE MANHOLE COVER.
C. FURNISH AND INSTALL TEMPORARY COVER PLATE.
D. BACKFILL USING ASPHALT SURFACE PATCHING.

AFTER PAVING HMA LOWER LAYER(S)

A. REMOVE ASPHALTIC SURFACE PATCHING.
B. EXCAVATE AROUND MANHOLE.
C. ADJUST OR RECONSTRUCT MANHOLE AND RE-INSTALL MANHOLE FRAME AND COVER.
D. POUR MONOLITHIC CONCRETE SHIM SO CONCRETE FILLS IN VOIDS BELOW THE CASTING BETWEEN THE SHIMS.
E. PAVE UPPER LAYER HMA.

PAVEMENT REMOVAL, ASPHALT PATCH REMOVAL, EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE ADJUSTING OR RECONSTRUCTING BID ITEMS.

THE DEPARTMENT WILL PAY SEPARATELY FOR SAWING CONCRETE, ASPHALTIC SURFACE PATCHING, BASE PATCHING CONCRETE SHES AND DRILLED TIE BARS.

MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING IS INCIDENTAL TO THE BASE PATCHING CONCRETE SHES BID ITEM.

PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

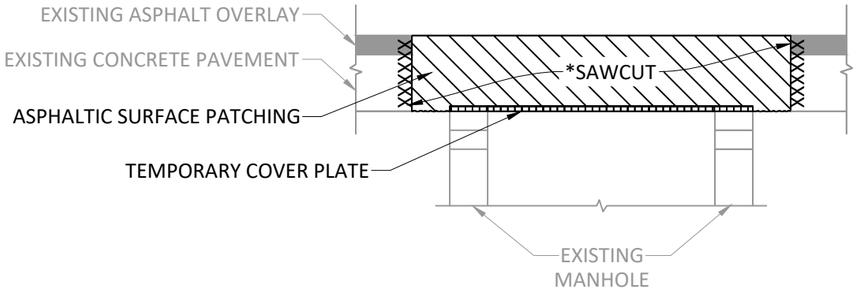
*SAWCUT WILL ONLY BE PAID ONCE. REMOVE ASPHALT SURFACE PATCHING MATERIAL TO THE ORIGINAL SAWCUT LIMITS.

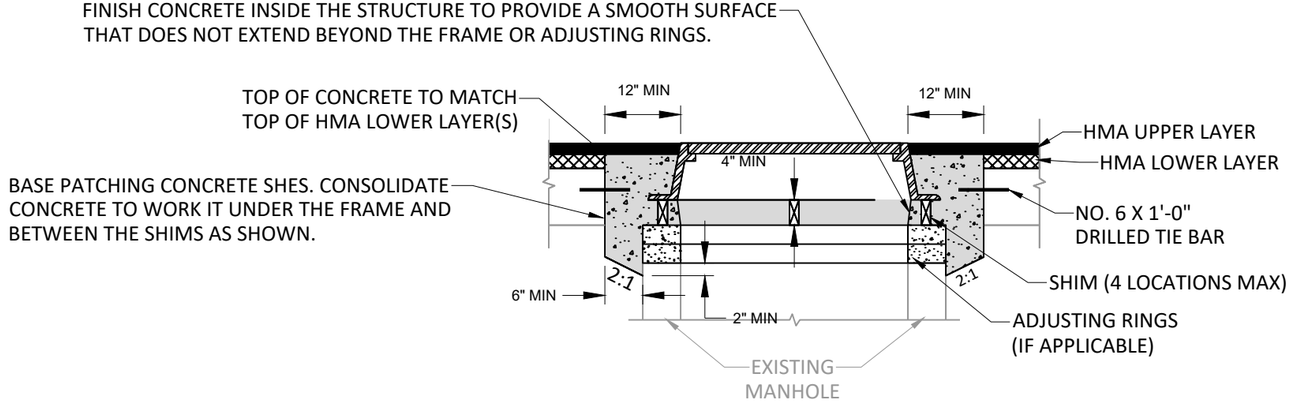
XXX SAWING CONCRETE

REMOVING PAVEMENT
(INCIDENTAL TO ADJUSTING / RECOSNTRUCTING BID ITEMS)

ASPHALTIC SURFACE PATCHING

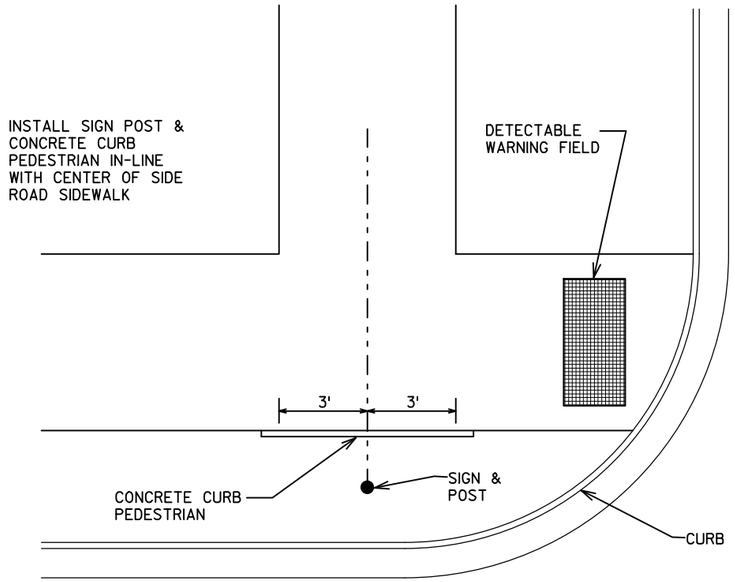
MONOLITHIC CONCRETE



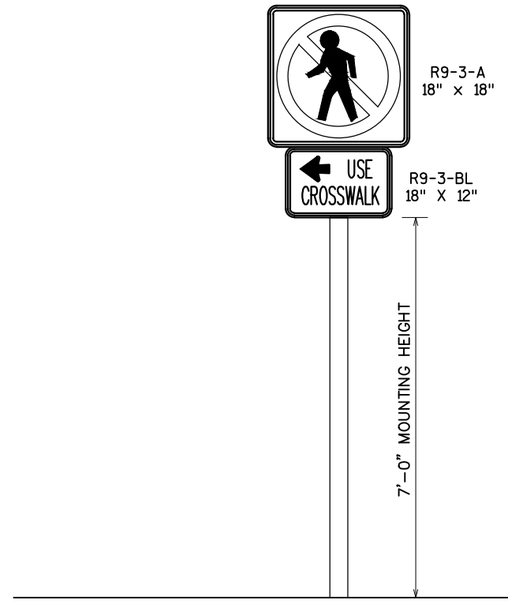


ADJUSTING / RECONSTRUCTING MANHOLES - MONOLITHIC SHIM

2



CURB AND SIGN LOCATION DETAIL



CONCRETE CURB PEDESTRIAN DETAIL
CURB ELEVATION VIEW

PEDESTRIAN BARRIER DETAIL
NOT TO SCALE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - PEDESTRIAN SIGN TYPICAL	SHEET 16 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\PEDESTRIAN_SIGN.DWG PLOT DATE : 6/26/2025 9:43 AM PLOT BY : JESSICA LEWIS, PE PLOT NAME : PLOT SCALE : NOT TO SCALE
LAYOUT NAME - 023401_PS
WISDOT/CADDS SHEET 42

2

2

STA 1222+52 - 1222+62, 88.0' LT
REMOVING FENCE

W BOTTSFORD AVE

CONSTRUCTION LIMITS
STA. 1224+80, 83.0' LT

TLE

TLE

EXISTING R/W

BEGIN CONSTRUCTION
STA 1222+43
CULVERT WORK

BEGIN PROJECT
STA. 1224+59.35

STH 241

1222+00 1223+00 1224+00 1225+00 1226+00 1227+00 1228+00 1229+0

CONSTRUCTION LIMITS
STA. 1224+82, 71.2' RT

TLE

EXISTING R/W

TLE

CONSTRUCTION LIMITS
STA. 1227+63, 101.1' RT

W WHITAKER AVE

LEGEND

- REMOVING ASPHALTIC SURFACE
- REMOVING BUTT JOINTS
- REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT FOR BASE PATCHING
- 4" REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE CURB AND GUTTER
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 17	E

2

2

N

W COLD SPRING RD

CONSTRUCTION LIMITS
STA. 1232+06, 140.3' LT
STA. 1232+45, 93.4' LT

REMOVE ELECTRICAL SERVICE METER BREAKER PEDESTAL

EXISTING R/W

TLE

STH 241

1229+00 1230+00 1231+00 1232+00 1233+00 1234+00 1235+00 1236+00

SECTION MONUMENT
WISDOT 621104

CONSTRUCTION LIMITS
STA, 1232+02, 91.6' RT
STA. 1232+41, 132.9' RT

W BOLIVAR AVE

LEGEND

- REMOVING ASPHALTIC SURFACE
- REMOVING BUTT JOINTS
- REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT FOR BASE PATCHING
- 4" REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE CURB AND GUTTER
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 18 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021101-RM.DWG
LAYOUT NAME - 02

PLOT DATE : 8/8/2025 7:05 AM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

EXISTING R/W

STH 241

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00 1243+00 1244+00

EXISTING R/W

W PLAINFIELD AVE

CONSTRUCTION LIMITS
STA. 1240+30, 96.0' RT

GUY POLE

LEGEND

- REMOVING ASPHALTIC SURFACE
- REMOVING BUTT JOINTS
- REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT FOR BASE PATCHING
- 4" REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE CURB AND GUTTER
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 19	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021101-RM.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:11 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

N

FLAG

EXISTING R/W

STH 241

1245+00 1246+00 1247+00 1248+00 1249+00 1250+00 1251+00 1252+00

XXXXXX

XXXX

EXISTING R/W

LEGEND

- REMOVING ASPHALTIC SURFACE
- REMOVING BUTT JOINTS
- REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT FOR BASE PATCHING
- 4" REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE CURB AND GUTTER
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 20	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021101-RM.DWG
LAYOUT NAME - 04

PLOT DATE : 6/30/2025 2:11 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

N

W HOWARD AVE

EXISTING R/W

STH 241

END PROJECT
STA 1258+01.41

1253+00 1254+00 1255+00 1256+00 1257+00 1258+00 1259+00

XXXX

EXISTING R/W

GUY POLE

LEGEND

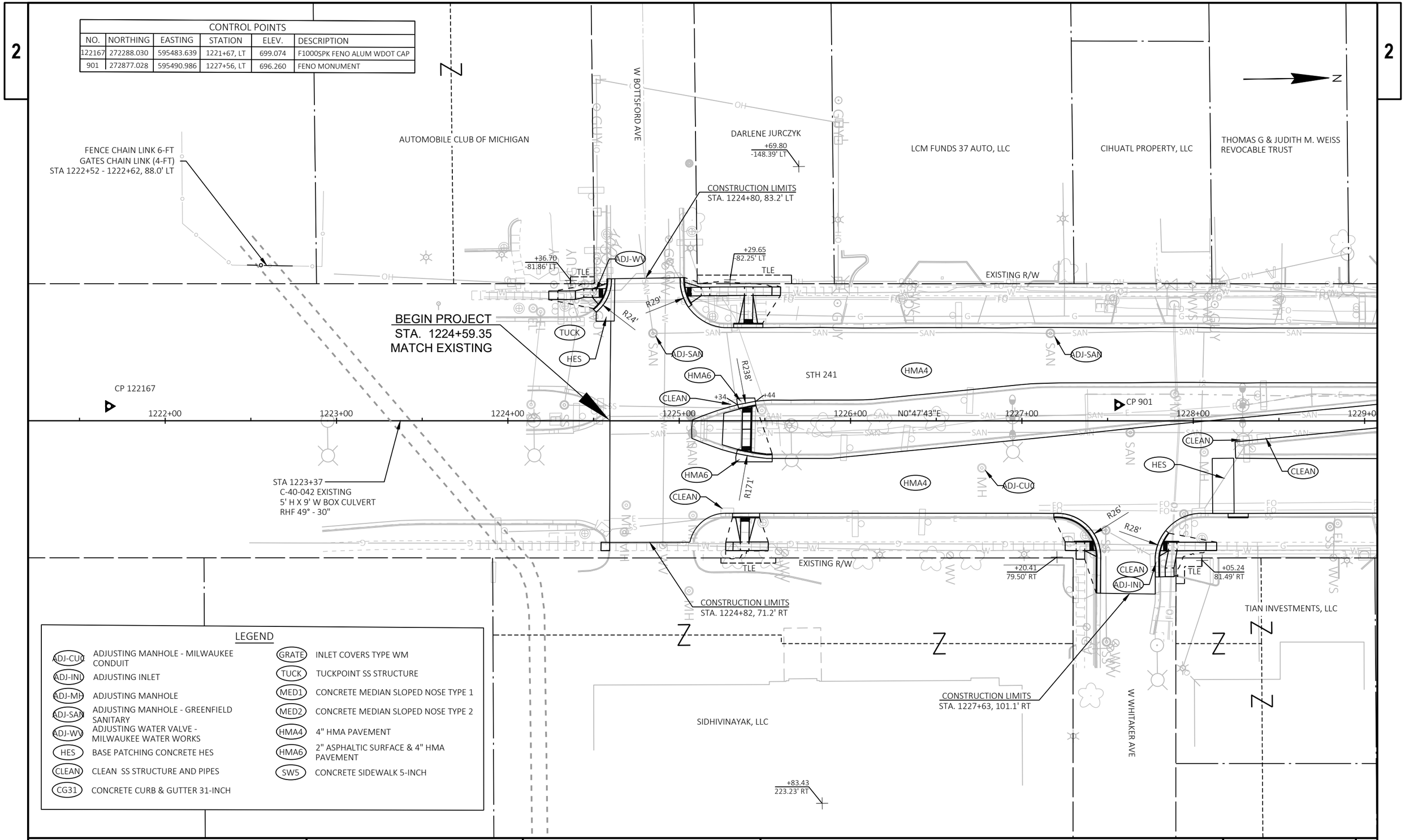
- REMOVING ASPHALTIC SURFACE
- REMOVING BUTT JOINTS
- REMOVING CONCRETE SIDEWALK
- REMOVING PAVEMENT FOR BASE PATCHING
- 4" REMOVING ASPHALTIC SURFACE MILLING
- REMOVING CONCRETE CURB AND GUTTER
- XXXXXX SAWING ASPHALT
- YYYYYY SAWING CONCRETE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	REMOVAL PLANS	SHEET 21	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021101-RM.DWG
LAYOUT NAME - 05

PLOT DATE : 6/30/2025 2:11 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:50 FT

CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
122167	272288.030	595483.639	1221+67, LT	699.074	F1000SPK FENO ALUM WDOT CAP
901	272877.028	595490.986	1227+56, LT	696.260	FENO MONUMENT



LEGEND

ADJ-CUC	ADJUSTING MANHOLE - MILWAUKEE CONDUIT	GRATE	INLET COVERS TYPE WM
ADJ-INL	ADJUSTING INLET	TUCK	TUCKPOINT SS STRUCTURE
ADJ-MH	ADJUSTING MANHOLE	MED1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
ADJ-SAN	ADJUSTING MANHOLE - GREENFIELD SANITARY	MED2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
ADJ-WV	ADJUSTING WATER VALVE - MILWAUKEE WATER WORKS	HMA4	4" HMA PAVEMENT
HES	BASE PATCHING CONCRETE HES	HMA6	2" ASPHALTIC SURFACE & 4" HMA PAVEMENT
CLEAN	CLEAN SS STRUCTURE AND PIPES	SW5	CONCRETE SIDEWALK 5-INCH
CG31	CONCRETE CURB & GUTTER 31-INCH		

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 22	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021201-PD.DWG
LAYOUT NAME - 01
PLOT DATE : 6/30/2025 2:11 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

LEGEND

ADJ-CUC ADJUSTING MANHOLE - MILWAUKEE CONDUIT	GRATE INLET COVERS TYPE WM
ADJ-INL ADJUSTING INLET	TUCK TUCKPOINT SS STRUCTURE
ADJ-MH ADJUSTING MANHOLE	MED1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
ADJ-SAN ADJUSTING MANHOLE - GREENFIELD SANITARY	MED2 CONCRETE MEDIAN SLOPED NOSE TYPE 2
ADJ-WV ADJUSTING WATER VALVE - MILWAUKEE WATER WORKS	HMA4 4" HMA PAVEMENT
HES BASE PATCHING CONCRETE HES	HMA6 2" ASPHALTIC SURFACE & 4" HMA PAVEMENT
CLEAN CLEAN SS STRUCTURE AND PIPES	SW5 CONCRETE SIDEWALK 5-INCH
CG31 CONCRETE CURB & GUTTER 31-INCH	

CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
909	273205.898	595426.570	1230+84, LT	694.934	REBAR CAP
910	273585.855	595590.330	1234+66, RT	693.639	ALUM CAP

CONSTRUCTION LIMITS
STA. 1232+06, 140.3' LT
STA. 1232+45, 93.4' LT

CONSTRUCTION LIMITS
STA, 1232+02, 91.6' RT
STA. 1232+41, 132.9' RT

N

POVLICK OROPERTIES II, LLC

MAJDOCH HOLDINGS LLC

US BANK CORP REAL ESTATE

DEVOE RENTALS
COMMERCIAL PRO

ELMA SCHIMIDT TRUSTEE
ELMA SCHIMIDT LIVING TRUST

FAST TRACK, INC.

PRIZE STEAK PRODUCTS INC

W COLD SPRING RD

W BOLIVAR AVE

STH 241

CP 909

CP 910

EXISTING R/W

30'

SECTION CORNER MONUMENT
ID 621104

PI: 1232+24.22

+61.55
-85.25' LT

+28.38
-75.56' LT

+91.11
-90.32' LT

+66.36
-12.64' LT

+60.42
-15.30' LT

+82.31
12.76' RT

+84.66
14.47' RT

+66.83
80.69' RT

+20.02
82.33' RT

+82.86
80.63' RT

+78

+06

+01

+15

R31'

R6'

R37'

R4'

R9'

R27'

1229+00

1230+00

1231+00

1232+00

1233+00

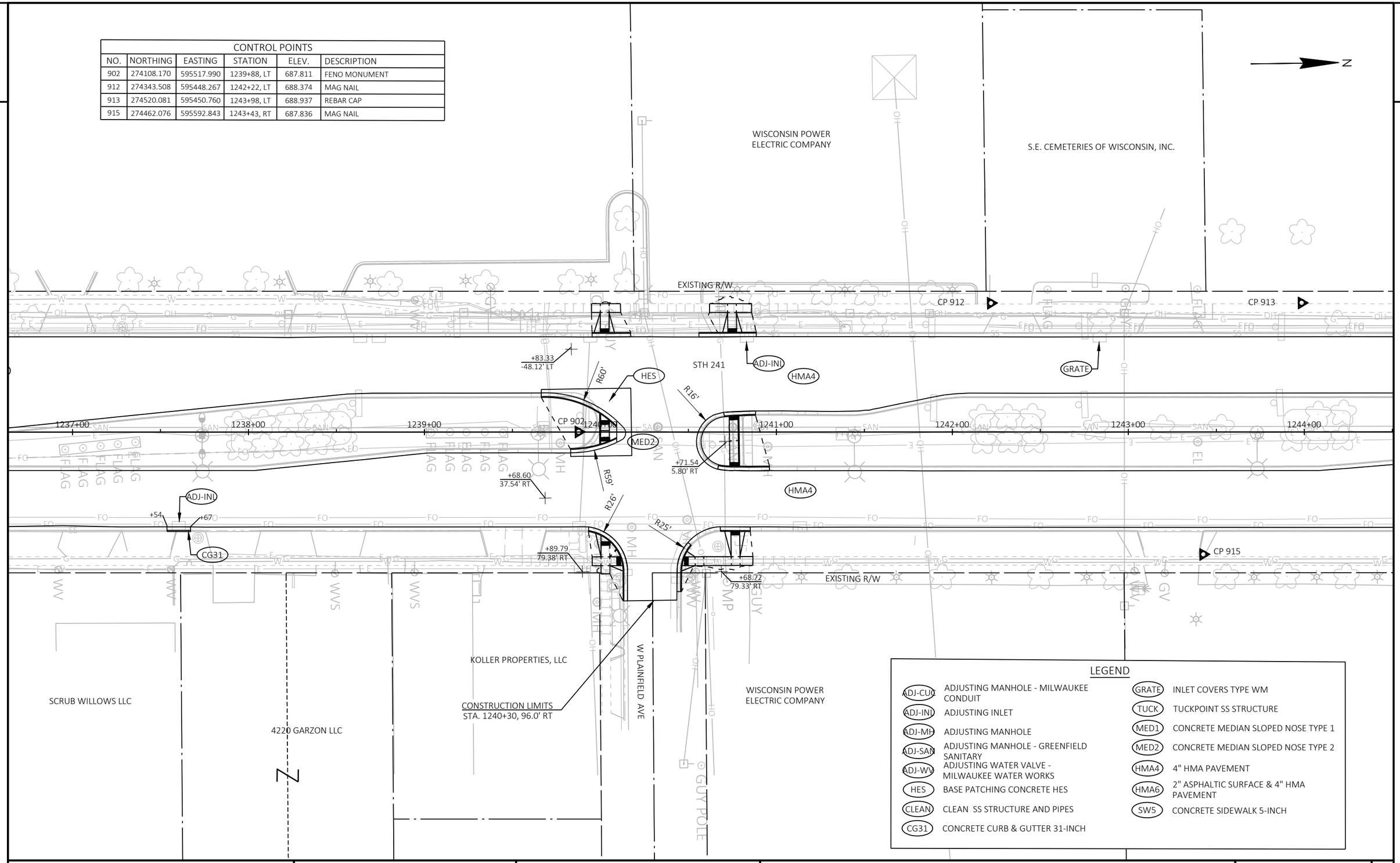
1234+00

1235+00

1236+00

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 23 E

CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
902	274108.170	595517.990	1239+88, LT	687.811	FENO MONUMENT
912	274343.508	595448.267	1242+22, LT	688.374	MAG NAIL
913	274520.081	595450.760	1243+98, LT	688.937	REBAR CAP
915	274462.076	595592.843	1243+43, RT	687.836	MAG NAIL



LEGEND

ADJ-CUC	ADJUSTING MANHOLE - MILWAUKEE CONDUIT	GRATE	INLET COVERS TYPE WM
ADJ-INL	ADJUSTING INLET	TUCK	TUCKPOINT SS STRUCTURE
ADJ-MH	ADJUSTING MANHOLE	MED1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
ADJ-SAN	ADJUSTING MANHOLE - GREENFIELD SANITARY	MED2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
ADJ-WV	ADJUSTING WATER VALVE - MILWAUKEE WATER WORKS	HMA4	4" HMA PAVEMENT
HES	BASE PATCHING CONCRETE HES	HMA6	2" ASPHALTIC SURFACE & 4" HMA PAVEMENT
CLEAN	CLEAN SS STRUCTURE AND PIPES	SW5	CONCRETE SIDEWALK 5-INCH
CG31	CONCRETE CURB & GUTTER 31-INCH		

CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
914	274643.956	595593.621	1245+24, RT	688.604	SPIKE
903	274828.754	595533.501	1247+08, RT	690.036	FENO MONUMENT
916	275270.718	595461.768	1251+49, LT	689.770	SPIKE

ARLINGTON PARK CEMETARY

LEGEND

ADJ-CUC	ADJUSTING MANHOLE - MILWAUKEE CONDUIT	GRATE	INLET COVERS TYPE WM
ADJ-INL	ADJUSTING INLET	TUCK	TUCKPOINT SS STRUCTURE
ADJ-MH	ADJUSTING MANHOLE	MED1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
ADJ-SAN	ADJUSTING MANHOLE - GREENFIELD SANITARY	MED2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
ADJ-WV	ADJUSTING WATER VALVE - MILWAUKEE WATER WORKS	HMA4	4" HMA PAVEMENT
HES	BASE PATCHING CONCRETE HES	HMA6	2" ASPHALTIC SURFACE & 4" HMA PAVEMENT
CLEAN	CLEAN SS STRUCTURE AND PIPES	SW5	CONCRETE SIDEWALK 5-INCH
CG31	CONCRETE CURB & GUTTER 31-INCH		

N

FLAG

EXISTING R/W

CP 916

HMA4

STH 241

1245+00 | N0°50'47"E | 1246+00 | 1247+00 | 1248+00 | 1249+00 | 1250+00 | 1251+00 | 1252+00

CP 903

HMA4

CG31

+69 +88

ADJ-MH

+94 +08

HES

CP 914

EXISTING R/W

BRAEGER REAL ESTATE, LLC

BARDON INVESTMENTS, LLC

LANDMARK CREDIT UNION

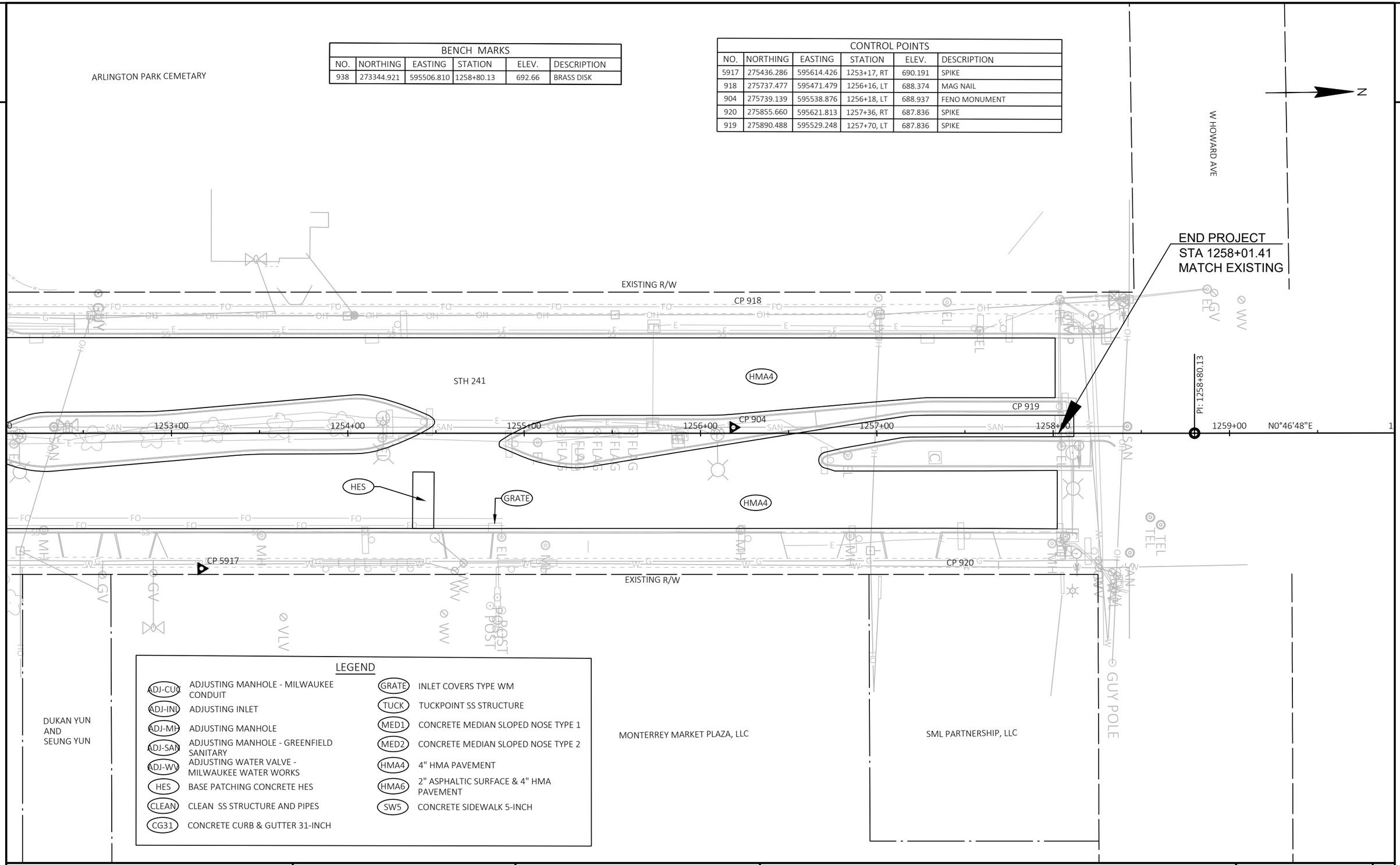
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 25	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021201-PD.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:11 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

ARLINGTON PARK CEMETARY

BENCH MARKS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
938	273344.921	595506.810	1258+80.13	692.66	BRASS DISK

CONTROL POINTS					
NO.	NORTHING	EASTING	STATION	ELEV.	DESCRIPTION
5917	275436.286	595614.426	1253+17, RT	690.191	SPIKE
918	275737.477	595471.479	1256+16, LT	688.374	MAG NAIL
904	275739.139	595538.876	1256+18, LT	688.937	FENO MONUMENT
920	275855.660	595621.813	1257+36, RT	687.836	SPIKE
919	275890.488	595529.248	1257+70, LT	687.836	SPIKE



LEGEND

ADJ-CUC	ADJUSTING MANHOLE - MILWAUKEE CONDUIT	GRATE	INLET COVERS TYPE WM
ADJ-INL	ADJUSTING INLET	TUCK	TUCKPOINT SS STRUCTURE
ADJ-MH	ADJUSTING MANHOLE	MED1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
ADJ-SAN	ADJUSTING MANHOLE - GREENFIELD SANITARY	MED2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
ADJ-WV	ADJUSTING WATER VALVE - MILWAUKEE WATER WORKS	HMA4	4" HMA PAVEMENT
HES	BASE PATCHING CONCRETE HES	HMA6	2" ASPHALTIC SURFACE & 4" HMA PAVEMENT
CLEAN	CLEAN SS STRUCTURE AND PIPES	SW5	CONCRETE SIDEWALK 5-INCH
CG31	CONCRETE CURB & GUTTER 31-INCH		

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 26	E

2

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- B — PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

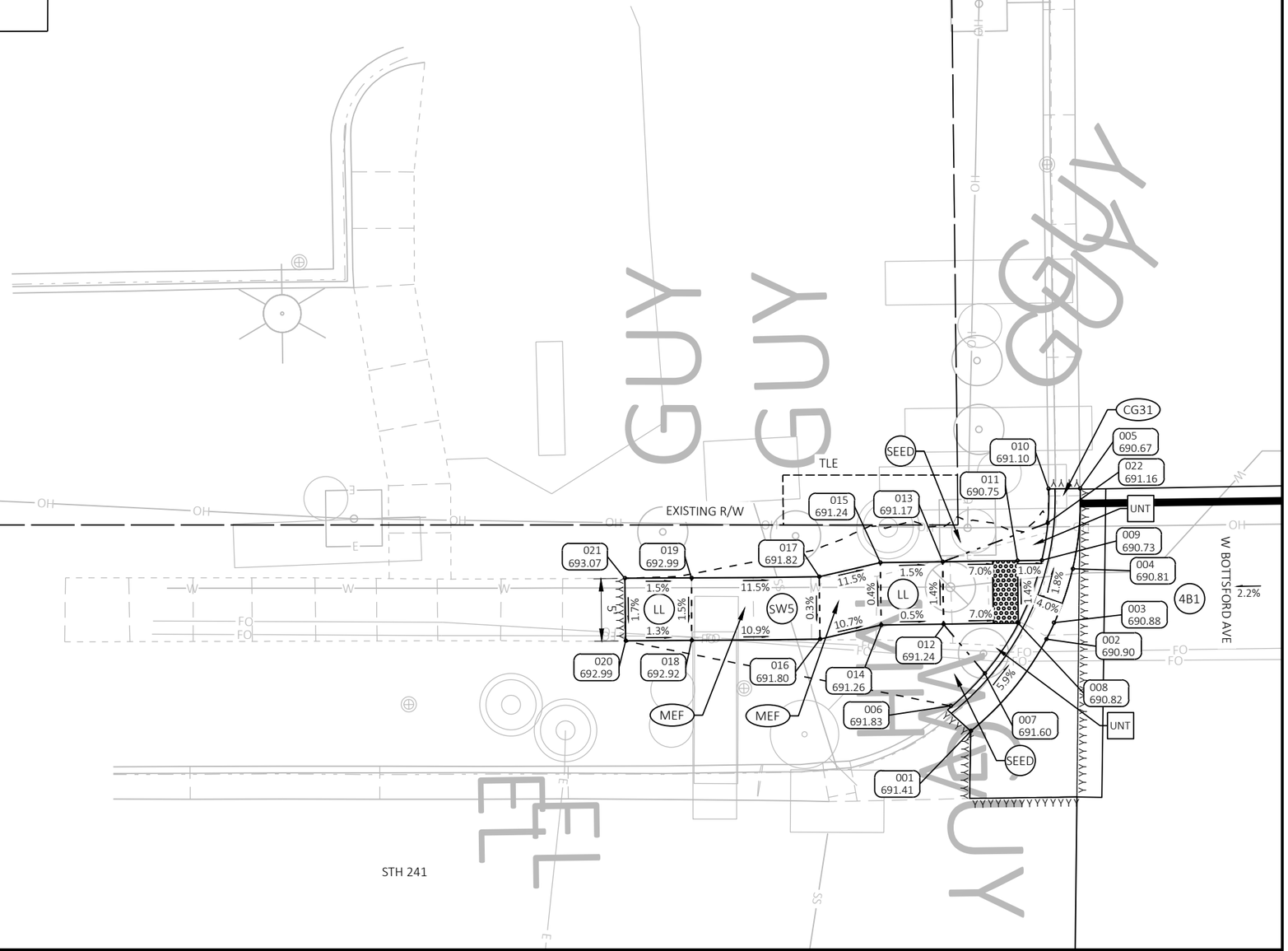
THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

BOTTSFORD SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
001	1224+51.55	63.50' LT	691.41	272573.21	595432.59
002	1224+57.59	70.85' LT	690.90	272579.35	595425.32
003	1224+58.20	72.17' LT	690.88	272579.98	595424.01
004	1224+59.71	76.49' LT	690.81	272581.55	595419.72
005	1224+60.30	82.93' LT	690.67	272582.22	595413.29
006	1224+49.93	65.50' LT	691.83	272571.61	595430.57
007	1224+52.66	68.10' LT	691.60	272574.38	595428.00
008	1224+55.35	72.13' LT	690.82	272577.13	595424.01
009	1224+57.22	77.17' LT	690.73	272579.07	595419.01
010	1224+57.77	82.90' LT	691.10	272579.70	595413.28
011	1224+55.28	77.14' LT	690.75	272577.13	595419.01
012	1224+49.35	72.05' LT	691.24	272571.13	595424.01
013	1224+49.28	77.06' LT	691.17	272571.13	595419.01
014	1224+44.35	71.98' LT	691.26	272566.13	595424.01
015	1224+44.28	76.98' LT	691.24	272566.13	595419.01
016	1224+39.45	70.85' LT	691.80	272561.21	595425.07
017	1224+39.38	75.85' LT	691.82	272561.21	595420.08
018	1224+29.16	70.75' LT	692.92	272550.92	595425.03
019	1224+29.14	75.75' LT	692.99	272550.97	595420.03
020	1224+23.87	70.71' LT	692.99	272545.63	595425.00
021	1224+23.80	75.73' LT	693.07	272545.63	595419.98
022	1224+57.70	80.15' LT	691.16	272579.59	595416.02



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - BOTTSFORD AVE SW	SHEET 27	E

LEGEND

X — CURB RAMP TYPE	MEF — MAXIMUM EXTENT FEASIBLE
LL — LEVEL LANDING	ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED — CONCRETE CURB PEDESTRIAN	CG31 — CONCRETE CURB & GUTTER 31-INCH
SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH	PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5 — CONCRETE SIDEWALK 5-INCH	UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX / YYY.YY — POINT NUMBER & ELEVATION	DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PEDESTRIAN PUSH BUTTON	SLOPE INTERCEPT
	SAWING ASPHALT
	SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

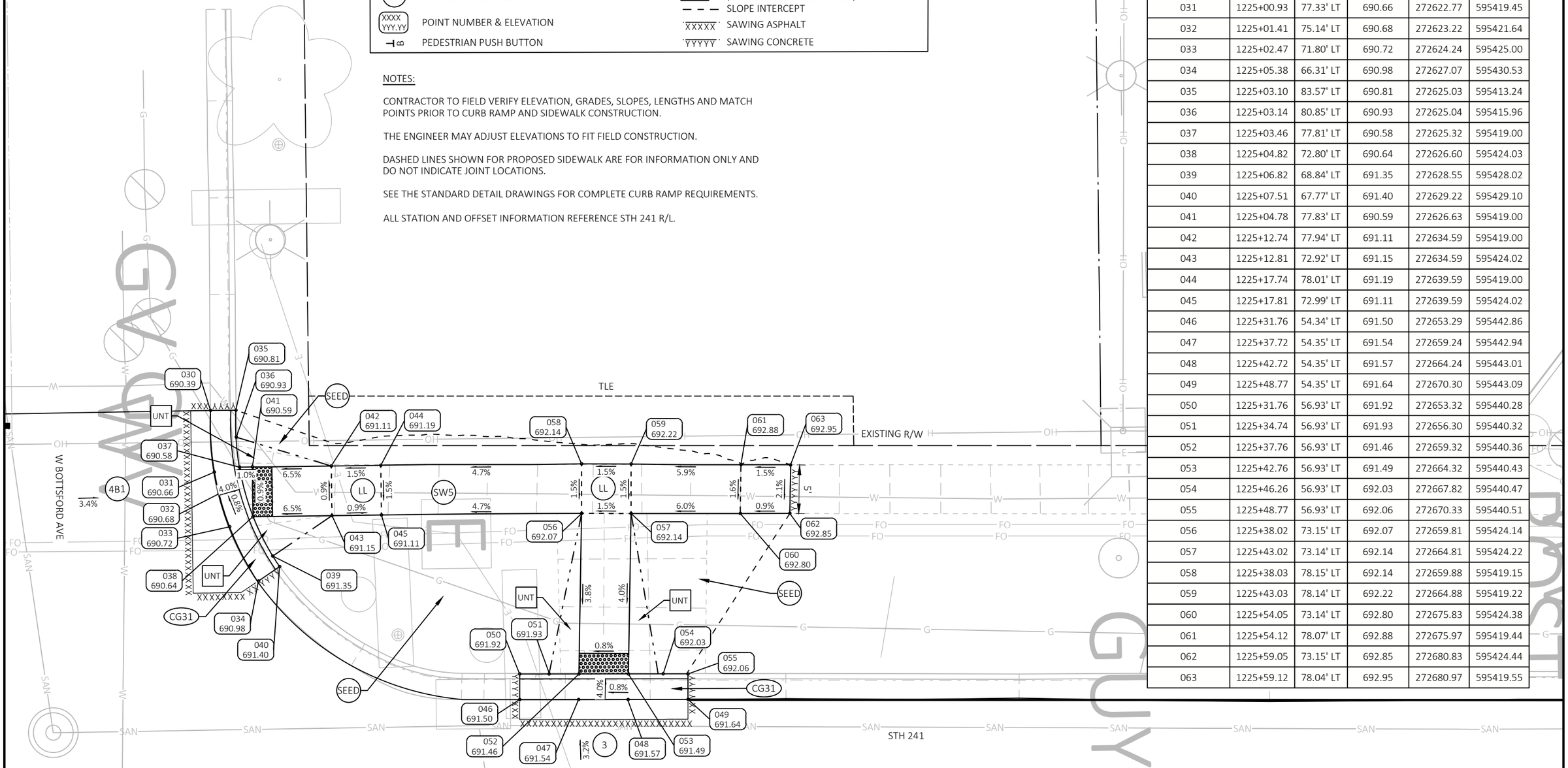
THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

BOTTSFORD NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
030	1225+00.54	83.54' LT	690.39	272622.47	595413.23
031	1225+00.93	77.33' LT	690.66	272622.77	595419.45
032	1225+01.41	75.14' LT	690.68	272623.22	595421.64
033	1225+02.47	71.80' LT	690.72	272624.24	595425.00
034	1225+05.38	66.31' LT	690.98	272627.07	595430.53
035	1225+03.10	83.57' LT	690.81	272625.03	595413.24
036	1225+03.14	80.85' LT	690.93	272625.04	595415.96
037	1225+03.46	77.81' LT	690.58	272625.32	595419.00
038	1225+04.82	72.80' LT	690.64	272626.60	595424.03
039	1225+06.82	68.84' LT	691.35	272628.55	595428.02
040	1225+07.51	67.77' LT	691.40	272629.22	595429.10
041	1225+04.78	77.83' LT	690.59	272626.63	595419.00
042	1225+12.74	77.94' LT	691.11	272634.59	595419.00
043	1225+12.81	72.92' LT	691.15	272634.59	595424.02
044	1225+17.74	78.01' LT	691.19	272639.59	595419.00
045	1225+17.81	72.99' LT	691.11	272639.59	595424.02
046	1225+31.76	54.34' LT	691.50	272653.29	595442.86
047	1225+37.72	54.35' LT	691.54	272659.24	595442.94
048	1225+42.72	54.35' LT	691.57	272664.24	595443.01
049	1225+48.77	54.35' LT	691.64	272670.30	595443.09
050	1225+31.76	56.93' LT	691.92	272653.32	595440.28
051	1225+34.74	56.93' LT	691.93	272656.30	595440.32
052	1225+37.76	56.93' LT	691.46	272659.32	595440.36
053	1225+42.76	56.93' LT	691.49	272664.32	595440.43
054	1225+46.26	56.93' LT	692.03	272667.82	595440.47
055	1225+48.77	56.93' LT	692.06	272670.33	595440.51
056	1225+38.02	73.15' LT	692.07	272659.81	595424.14
057	1225+43.02	73.14' LT	692.14	272664.81	595424.22
058	1225+38.03	78.15' LT	692.14	272659.88	595419.15
059	1225+43.03	78.14' LT	692.22	272664.88	595419.22
060	1225+54.05	73.14' LT	692.80	272675.83	595424.38
061	1225+54.12	78.07' LT	692.88	272675.97	595419.44
062	1225+59.05	73.15' LT	692.85	272680.83	595424.44
063	1225+59.12	78.04' LT	692.95	272680.97	595419.55



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - BOTTSFORD AVE NW	SHEET 28	E

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

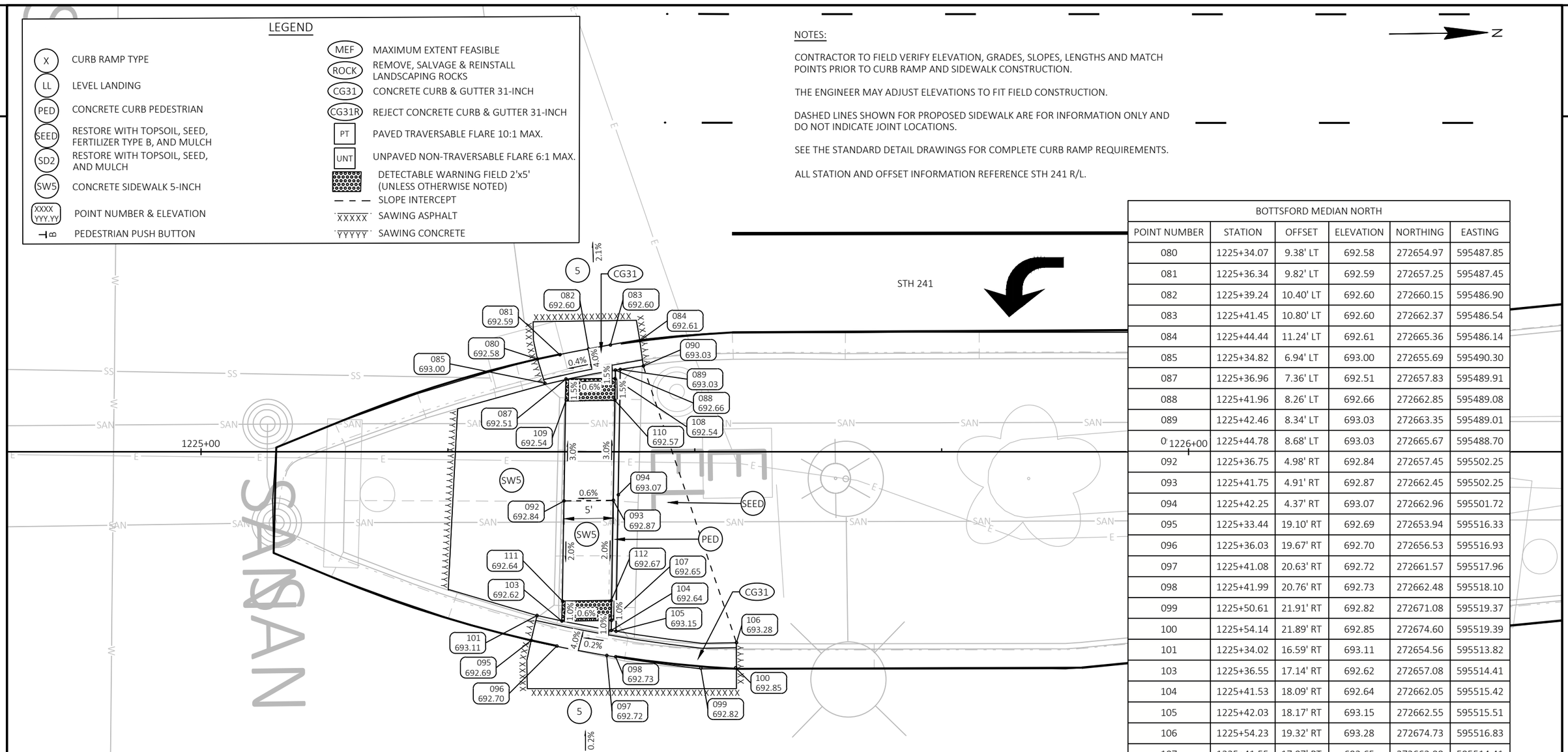
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

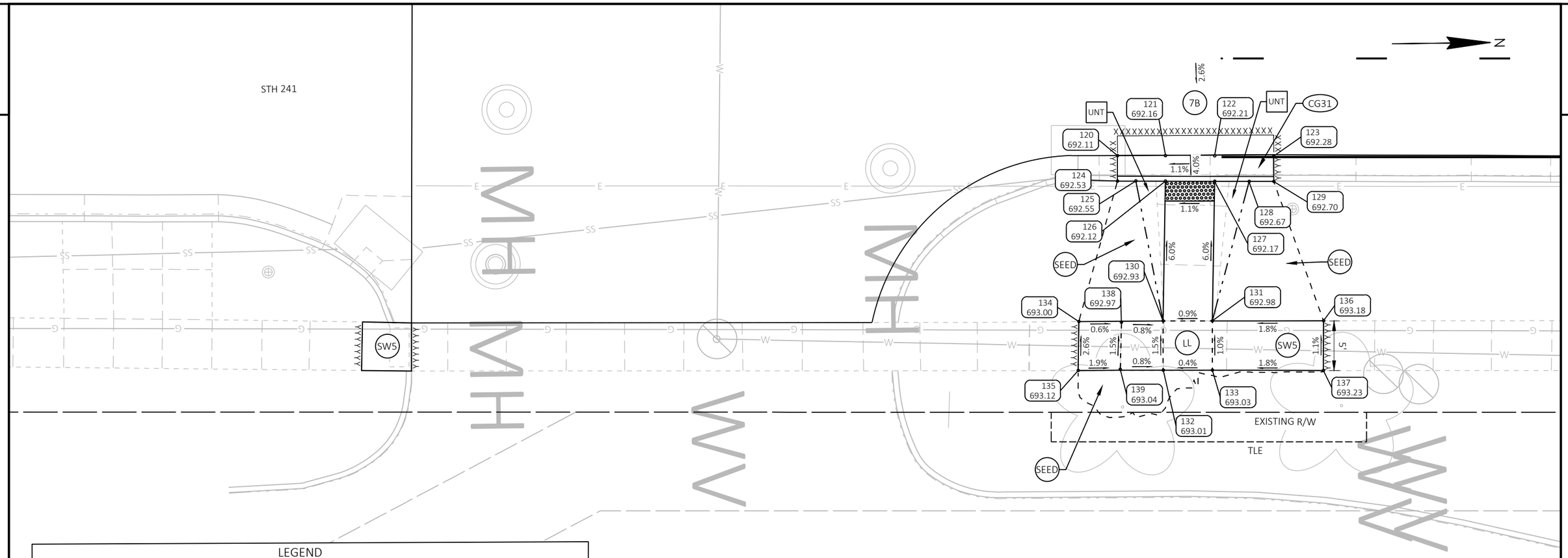
ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.



BOTTSFORD MEDIAN NORTH					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
080	1225+34.07	9.38' LT	692.58	272654.97	595487.85
081	1225+36.34	9.82' LT	692.59	272657.25	595487.45
082	1225+39.24	10.40' LT	692.60	272660.15	595486.90
083	1225+41.45	10.80' LT	692.60	272662.37	595486.54
084	1225+44.44	11.24' LT	692.61	272665.36	595486.14
085	1225+34.82	6.94' LT	693.00	272655.69	595490.30
087	1225+36.96	7.36' LT	692.51	272657.83	595489.91
088	1225+41.96	8.26' LT	692.66	272662.85	595489.08
089	1225+42.46	8.34' LT	693.03	272663.35	595489.01
090	1225+44.78	8.68' LT	693.03	272665.67	595488.70
092	1225+36.75	4.98' RT	692.84	272657.45	595502.25
093	1225+41.75	4.91' RT	692.87	272662.45	595502.25
094	1225+42.25	4.37' RT	693.07	272662.96	595501.72
095	1225+33.44	19.10' RT	692.69	272653.94	595516.33
096	1225+36.03	19.67' RT	692.70	272656.53	595516.93
097	1225+41.08	20.63' RT	692.72	272661.57	595517.96
098	1225+41.99	20.76' RT	692.73	272662.48	595518.10
099	1225+50.61	21.91' RT	692.82	272671.08	595519.37
100	1225+54.14	21.89' RT	692.85	272674.60	595519.39
101	1225+34.02	16.59' RT	693.11	272654.56	595513.82
103	1225+36.55	17.14' RT	692.62	272657.08	595514.41
104	1225+41.53	18.09' RT	692.64	272662.05	595515.42
105	1225+42.03	18.17' RT	693.15	272662.55	595515.51
106	1225+54.23	19.32' RT	693.28	272674.73	595516.83
107	1225+41.55	17.07' RT	692.65	272662.08	595514.41
108	1225+41.90	7.40' LT	692.54	272662.77	595489.94
109	1225+36.99	5.24' LT	692.54	272657.83	595492.03
110	1225+41.91	5.21' LT	692.57	272662.75	595492.13
111	1225+36.64	15.16' RT	692.64	272657.20	595512.42
112	1225+41.53	15.08' RT	692.67	272662.09	595512.42

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - BOTTSFORD AVE MEDIAN NORTH	SHEET 29	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:12 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

X — CURB RAMP TYPE	MEF — MAXIMUM EXTENT FEASIBLE
LL — LEVEL LANDING	ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED — CONCRETE CURB PEDESTRIAN	CG31 — CONCRETE CURB & GUTTER 31-INCH
SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH	PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5 — CONCRETE SIDEWALK 5-INCH	UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY — POINT NUMBER & ELEVATION	DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PEDESTRIAN PUSH BUTTON	SLOPE INTERCEPT
	SAWING ASPHALT
	SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

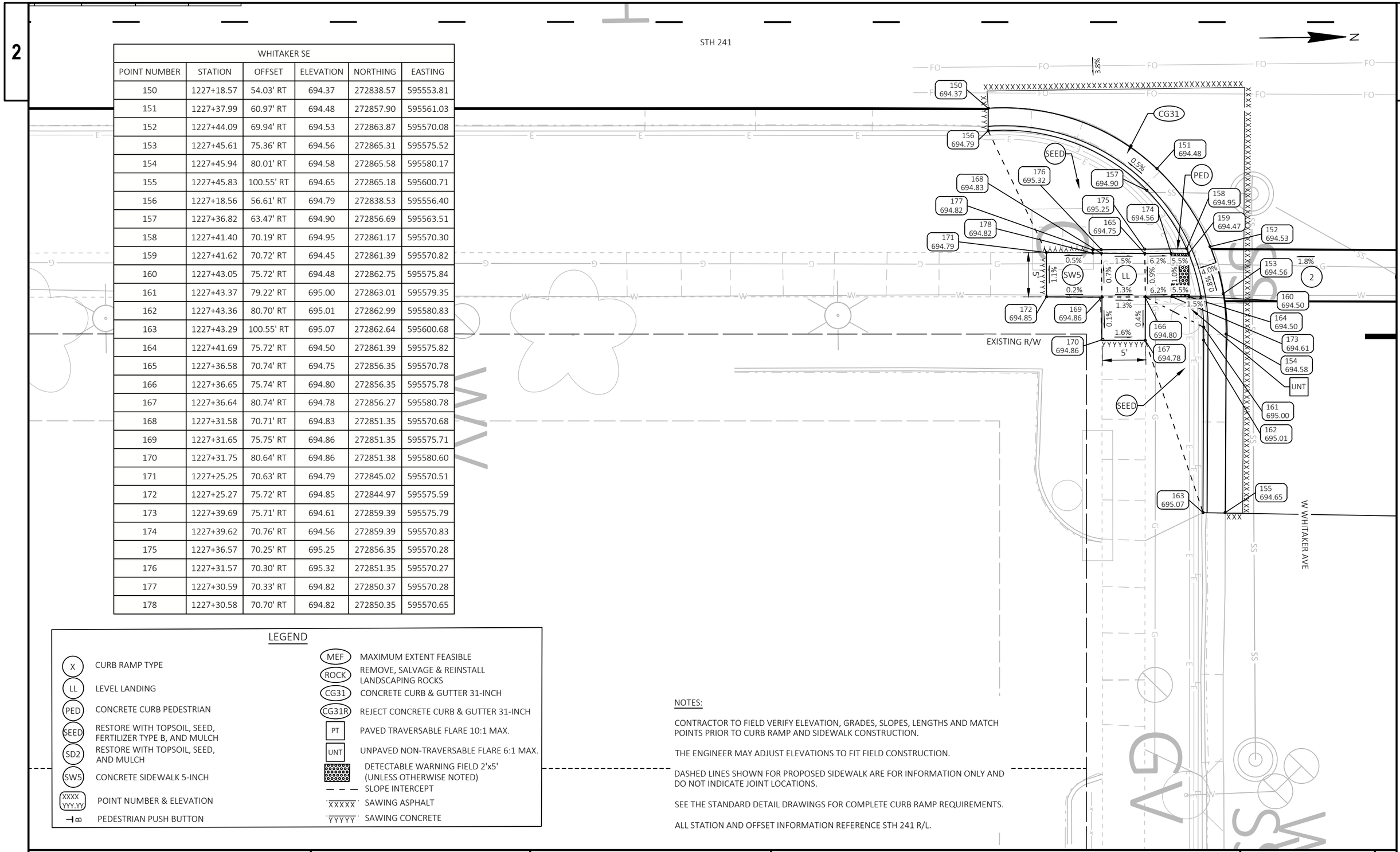
BOTTSFORD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
120	1225+31.04	53.97' RT	692.11	272651.06	595551.16
121	1225+35.91	53.98' RT	692.16	272655.93	595551.24
122	1225+40.91	54.00' RT	692.21	272660.93	595551.32
123	1225+46.90	54.01' RT	692.28	272666.92	595551.42
124	1225+31.04	56.56' RT	692.53	272651.02	595553.74
125	1225+32.90	56.54' RT	692.55	272652.89	595553.75
126	1225+35.90	56.57' RT	692.08	272655.89	595553.82
127	1225+40.90	56.58' RT	692.13	272660.89	595553.90
128	1225+44.40	56.59' RT	692.67	272664.39	595553.96
129	1225+46.90	56.59' RT	692.70	272666.88	595554.00

BOTTSFORD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
130	1225+35.67	70.74' RT	692.93	272655.46	595567.99
131	1225+40.67	70.74' RT	692.98	272660.46	595568.06
132	1225+35.69	75.74' RT	693.01	272655.41	595572.99
133	1225+40.67	75.74' RT	693.03	272660.39	595573.06
134	1225+27.12	70.81' RT	693.00	272646.91	595567.94
135	1225+27.05	75.77' RT	693.12	272646.76	595572.90
136	1225+51.95	70.73' RT	693.18	272671.74	595568.20
137	1225+51.93	75.77' RT	693.23	272671.65	595573.24
138	1225+31.44	70.87' RT	692.97	272651.23	595568.06
139	1225+31.33	75.66' RT	693.04	272651.05	595572.85

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - BOTTSFORD AVE NE	SHEET 30	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:12 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

WHITAKER SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
150	1227+18.57	54.03' RT	694.37	272838.57	595553.81
151	1227+37.99	60.97' RT	694.48	272857.90	595561.03
152	1227+44.09	69.94' RT	694.53	272863.87	595570.08
153	1227+45.61	75.36' RT	694.56	272865.31	595575.52
154	1227+45.94	80.01' RT	694.58	272865.58	595580.17
155	1227+45.83	100.55' RT	694.65	272865.18	595600.71
156	1227+18.56	56.61' RT	694.79	272838.53	595556.40
157	1227+36.82	63.47' RT	694.90	272856.69	595563.51
158	1227+41.40	70.19' RT	694.95	272861.17	595570.30
159	1227+41.62	70.72' RT	694.45	272861.39	595570.82
160	1227+43.05	75.72' RT	694.48	272862.75	595575.84
161	1227+43.37	79.22' RT	695.00	272863.01	595579.35
162	1227+43.36	80.70' RT	695.01	272862.99	595580.83
163	1227+43.29	100.55' RT	695.07	272862.64	595600.68
164	1227+41.69	75.72' RT	694.50	272861.39	595575.82
165	1227+36.58	70.74' RT	694.75	272856.35	595570.78
166	1227+36.65	75.74' RT	694.80	272856.35	595575.78
167	1227+36.64	80.74' RT	694.78	272856.27	595580.78
168	1227+31.58	70.71' RT	694.83	272851.35	595570.68
169	1227+31.65	75.75' RT	694.86	272851.35	595575.71
170	1227+31.75	80.64' RT	694.86	272851.38	595580.60
171	1227+25.25	70.63' RT	694.79	272845.02	595570.51
172	1227+25.27	75.72' RT	694.85	272844.97	595575.59
173	1227+39.69	75.71' RT	694.61	272859.39	595575.79
174	1227+39.62	70.76' RT	694.56	272859.39	595570.83
175	1227+36.57	70.25' RT	695.25	272856.35	595570.28
176	1227+31.57	70.30' RT	695.32	272851.35	595570.27
177	1227+30.59	70.33' RT	694.82	272850.37	595570.28
178	1227+30.58	70.70' RT	694.82	272850.35	595570.65



LEGEND

X — CURB RAMP TYPE	MEF — MAXIMUM EXTENT FEASIBLE
LL — LEVEL LANDING	ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED — CONCRETE CURB PEDESTRIAN	CG31 — CONCRETE CURB & GUTTER 31-INCH
SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH	PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5 — CONCRETE SIDEWALK 5-INCH	UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY — POINT NUMBER & ELEVATION	DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PEDESTRIAN PUSH BUTTON	SLOPE INTERCEPT
	XXXXX — SAWING ASPHALT
	YYYYY — SAWING CONCRETE

NOTES:

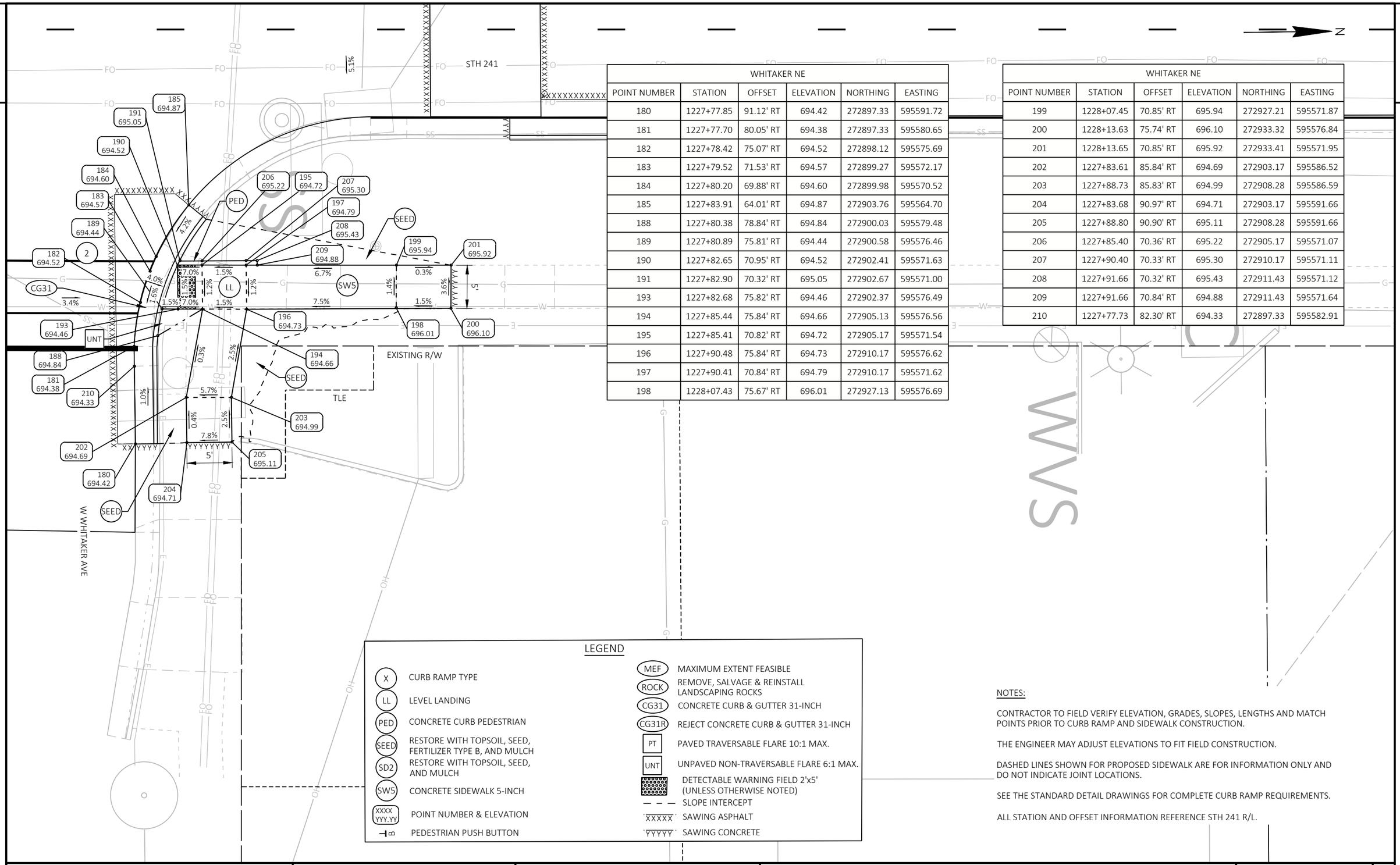
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.



WHITAKER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
180	1227+77.85	91.12' RT	694.42	272897.33	595591.72
181	1227+77.70	80.05' RT	694.38	272897.33	595580.65
182	1227+78.42	75.07' RT	694.52	272898.12	595575.69
183	1227+79.52	71.53' RT	694.57	272899.27	595572.17
184	1227+80.20	69.88' RT	694.60	272899.98	595570.52
185	1227+83.91	64.01' RT	694.87	272903.76	595564.70
188	1227+80.38	78.84' RT	694.84	272900.03	595579.48
189	1227+80.89	75.81' RT	694.44	272900.58	595576.46
190	1227+82.65	70.95' RT	694.52	272902.41	595571.63
191	1227+82.90	70.32' RT	695.05	272902.67	595571.00
193	1227+82.68	75.82' RT	694.46	272902.37	595576.49
194	1227+85.44	75.84' RT	694.66	272905.13	595576.56
195	1227+85.41	70.82' RT	694.72	272905.17	595571.54
196	1227+90.48	75.84' RT	694.73	272910.17	595576.62
197	1227+90.41	70.84' RT	694.79	272910.17	595571.62
198	1228+07.43	75.67' RT	696.01	272927.13	595576.69

WHITAKER NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
199	1228+07.45	70.85' RT	695.94	272927.21	595571.87
200	1228+13.63	75.74' RT	696.10	272933.32	595576.84
201	1228+13.65	70.85' RT	695.92	272933.41	595571.95
202	1227+83.61	85.84' RT	694.69	272903.17	595586.52
203	1227+88.73	85.83' RT	694.99	272908.28	595586.59
204	1227+83.68	90.97' RT	694.71	272903.17	595591.66
205	1227+88.80	90.90' RT	695.11	272908.28	595591.66
206	1227+85.40	70.36' RT	695.22	272905.17	595571.07
207	1227+90.40	70.33' RT	695.30	272910.17	595571.11
208	1227+91.66	70.32' RT	695.43	272911.43	595571.12
209	1227+91.66	70.84' RT	694.88	272911.43	595571.64
210	1227+77.73	82.30' RT	694.33	272897.33	595582.91

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX / YYY.YY — POINT NUMBER & ELEVATION
- B — PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - WHITAKER AVE NE	SHEET 32	E

LEGEND

X — CURB RAMP TYPE	MEF — MAXIMUM EXTENT FEASIBLE
LL — LEVEL LANDING	ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED — CONCRETE CURB PEDESTRIAN	CG31 — CONCRETE CURB & GUTTER 31-INCH
SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH	PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5 — CONCRETE SIDEWALK 5-INCH	UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY — POINT NUMBER & ELEVATION	DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PEDESTRIAN PUSH BUTTON	SLOPE INTERCEPT
	XXXXX — SAWING ASPHALT
	YYYYY — SAWING CONCRETE

COLDSPRING SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
220	1231+50.39	54.24' LT	692.75	273271.86	595451.55
221	1231+64.16	54.77' LT	692.60	273285.63	595451.22
222	1231+65.92	55.01' LT	692.58	273287.39	595450.99
223	1231+71.32	56.31' LT	692.53	273292.81	595449.77
224	1231+83.69	64.14' LT	692.13	273305.29	595442.11
225	1231+88.73	71.20' LT	691.89	273310.43	595435.12
226	1231+91.02	76.75' LT	691.83	273312.79	595429.61
227	1231+92.26	84.08' LT	691.54	273314.13	595422.29
228	1231+65.48	58.32' LT	692.52	273287.00	595447.68
229	1231+62.06	57.25' LT	693.04	273283.56	595448.70
231	1231+65.55	57.53' LT	692.51	273287.05	595448.47
232	1231+70.51	58.72' LT	692.52	273292.03	595447.35
233	1231+70.99	58.89' LT	692.93	273292.52	595447.18
234	1231+86.20	71.86' LT	692.33	273307.90	595434.43
235	1231+86.45	72.47' LT	691.81	273308.16	595433.83
236	1231+88.46	77.42' LT	691.75	273310.25	595428.90
237	1231+89.26	80.48' LT	692.12	273311.08	595425.85
238	1231+89.68	84.17' LT	691.96	273311.55	595422.17
240	1231+86.37	77.38' LT	691.76	273308.15	595428.91
241	1231+83.23	77.39' LT	691.98	273305.01	595428.86
242	1231+83.31	72.37' LT	692.03	273305.02	595433.88
243	1231+78.23	77.32' LT	692.06	273300.01	595428.86
244	1231+78.32	72.21' LT	692.11	273300.03	595433.97
245	1231+78.30	71.71' LT	692.61	273300.00	595434.47
246	1231+69.94	72.02' LT	693.09	273291.65	595434.04
247	1231+63.91	77.89' LT	692.65	273285.70	595428.09
248	1231+64.32	72.76' LT	692.59	273286.04	595433.23
249	1231+53.80	78.17' LT	693.08	273275.60	595427.67
250	1231+53.77	73.17' LT	693.04	273275.49	595432.67
251	1231+79.16	91.50' LT	692.12	273301.14	595414.69

COLDSPRING SW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
252	1231+84.19	91.72' LT	692.07	273306.17	595414.55
253	1231+69.40	72.54' LT	692.64	273291.12	595433.51
254	1231+68.99	77.66' LT	692.70	273290.78	595428.39
255	1231+79.20	82.33' LT	692.08	273301.05	595423.86
256	1231+84.26	82.41' LT	692.01	273306.11	595423.86

COLDSPRING MEDIAN WEST

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
270	1232+22.09	91.62' LT	691.90	273344.06	595415.17
271	1232+22.38	78.63' LT	692.02	273344.18	595428.17
272	1232+23.82	71.37' LT	692.11	273345.51	595435.44
273	1232+24.57	70.67' LT	692.12	273346.32	595436.15
274	1232+28.57	69.32' LT	692.17	273350.29	595437.56
275	1232+32.81	70.98' LT	692.12	273354.56	595435.97
276	1232+34.93	74.99' LT	692.07	273356.74	595431.99
277	1232+34.83	78.86' LT	692.02	273356.70	595428.11
278	1232+34.69	93.54' LT	691.85	273356.77	595413.43
279	1232+24.33	91.57' LT	692.32	273346.39	595415.25
280	1232+24.82	78.68' LT	692.45	273346.69	595428.15
281	1232+24.83	78.18' LT	691.95	273346.68	595428.65
282	1232+24.86	74.57' LT	692.00	273346.66	595432.26

COLDSPRING MEDIAN WEST

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
283	1232+25.04	74.06' LT	692.01	273346.84	595432.77
284	1232+25.67	73.10' LT	692.04	273347.45	595433.73
286	1232+31.52	73.25' LT	692.03	273353.31	595433.67
287	1232+33.51	71.60' LT	692.11	273355.27	595435.35
288	1232+32.35	75.12' LT	691.99	273354.16	595431.82
289	1232+32.20	78.29' LT	691.95	273354.06	595428.65
290	1232+32.14	78.78' LT	692.47	273354.00	595428.16
291	1232+32.11	93.50' LT	692.27	273354.19	595413.44
292	1232+28.64	73.19' LT	692.15	273350.42	595433.70
294	1232+28.53	78.25' LT	692.07	273350.39	595428.63

NOTES:

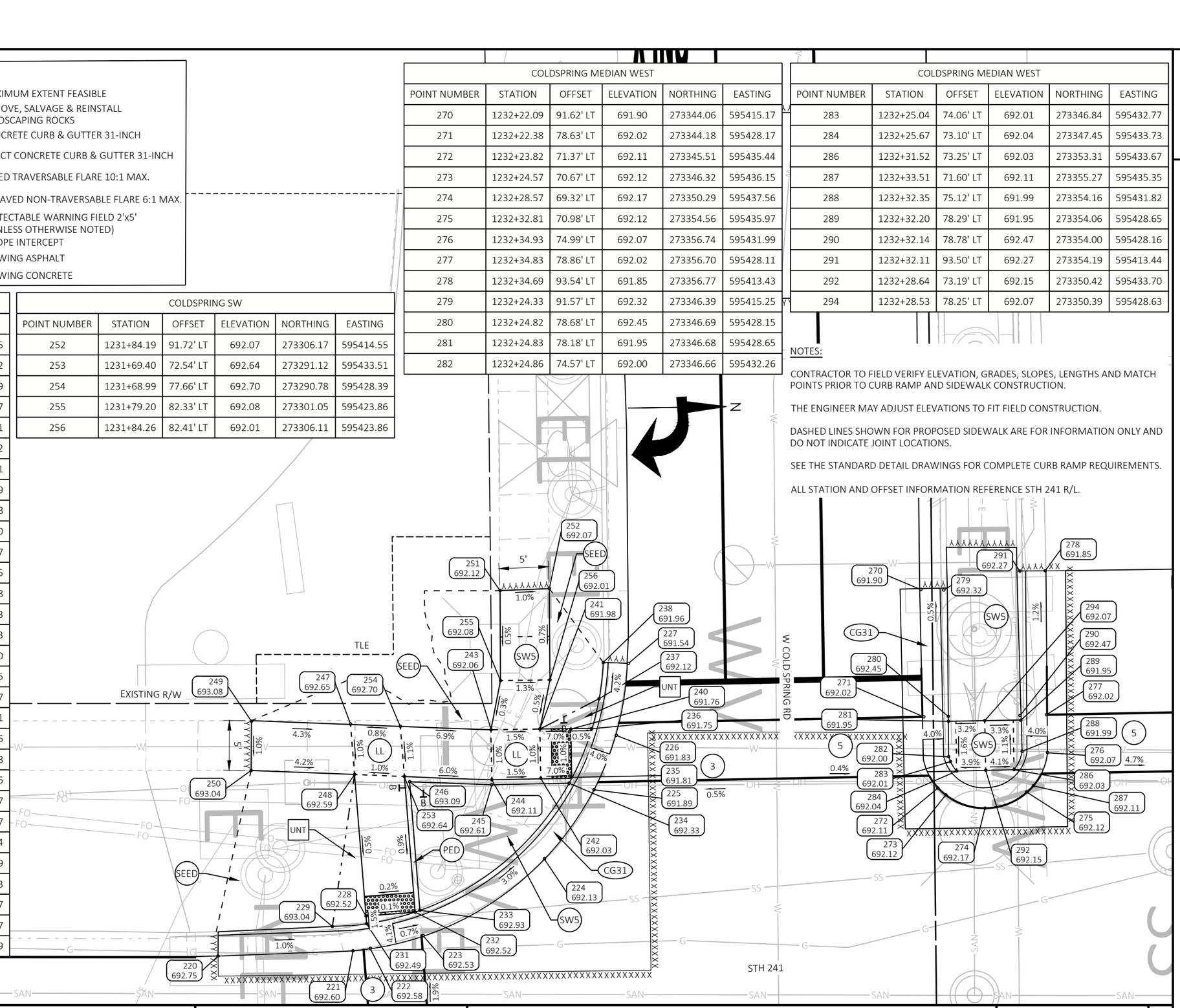
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

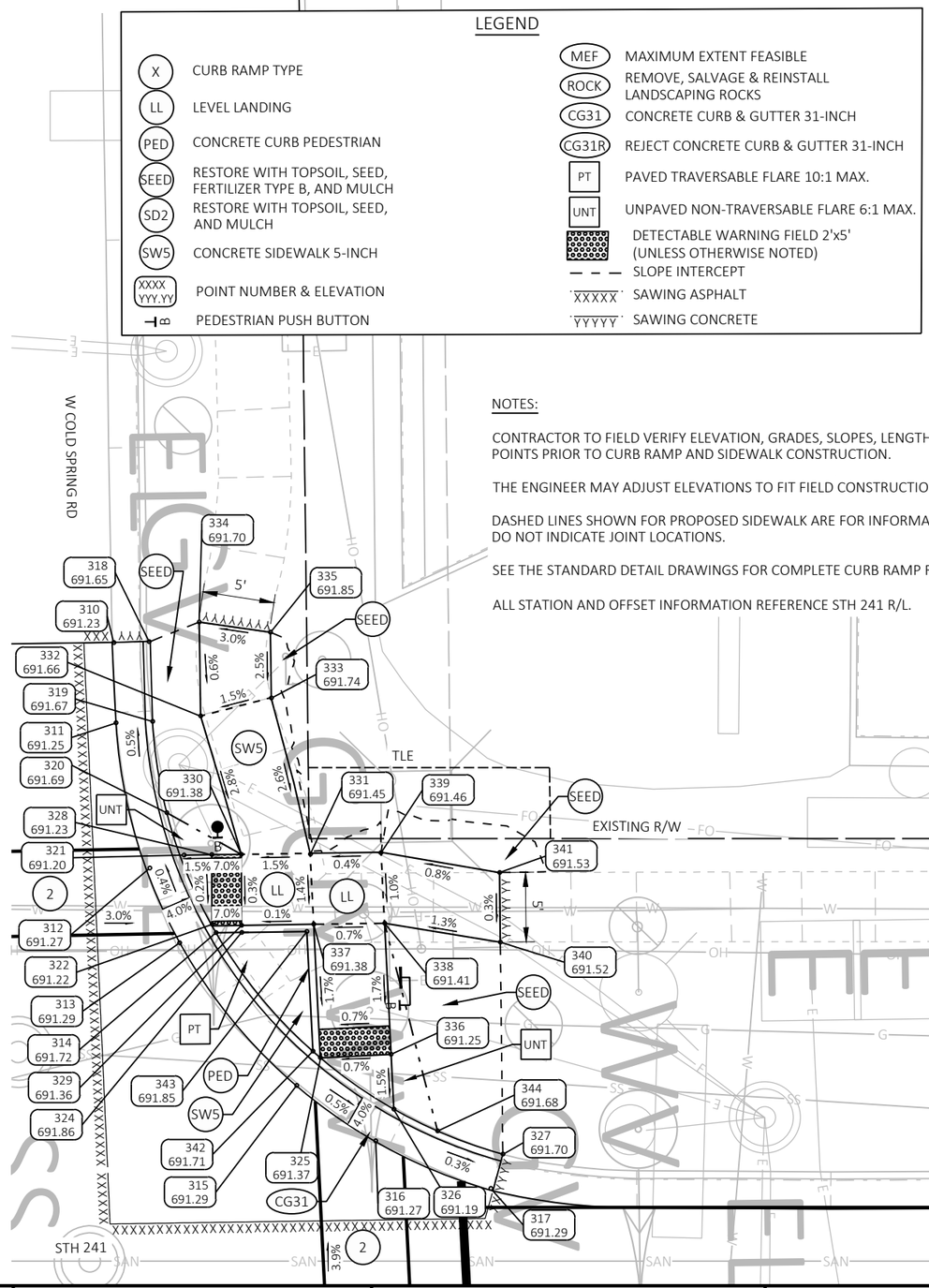


PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - COLDSPRING RD SW & MEDIAN W	SHEET 33 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 07

PLOT DATE : 6/30/2025 2:12 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

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ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

COLDSPRING NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
310	1232+54.51	93.79' LT	691.23	273376.59	595413.47
311	1232+54.66	88.14' LT	691.25	273376.66	595419.13
312	1232+57.05	77.92' LT	691.27	273378.90	595429.38
313	1232+59.14	72.65' LT	691.29	273380.91	595434.69
314	1232+61.71	73.36' LT	691.72	273383.49	595434.01
315	1232+67.39	62.59' LT	691.29	273389.01	595444.86
316	1232+72.97	58.70' LT	691.27	273394.53	595448.83
317	1232+81.08	55.35' LT	691.29	273402.59	595452.31
318	1232+57.00	93.86' LT	691.65	273379.08	595413.44
319	1232+57.24	88.25' LT	691.67	273379.24	595419.06
320	1232+58.25	81.81' LT	691.69	273380.15	595425.51
321	1232+59.46	78.83' LT	691.20	273381.32	595428.51
322	1232+61.45	73.96' LT	691.22	273383.24	595433.41
324	1232+63.52	73.39' LT	691.86	273385.31	595434.01
325	1232+69.06	64.56' LT	691.37	273390.71	595442.92
326	1232+74.24	60.93' LT	691.19	273395.84	595446.62
327	1232+81.93	57.76' LT	691.70	273403.48	595449.91
328	1232+61.41	78.86' LT	691.23	273383.27	595428.51
329	1232+63.52	73.89' LT	691.36	273385.31	595433.51
330	1232+63.49	78.89' LT	691.38	273385.36	595428.51
331	1232+68.36	78.90' LT	691.45	273390.23	595428.57
332	1232+60.63	88.62' LT	691.66	273382.64	595418.74
333	1232+65.61	89.89' LT	691.74	273387.64	595417.54
334	1232+60.53	95.24' LT	691.70	273382.64	595412.11
335	1232+65.54	94.52' LT	691.85	273387.64	595412.91
336	1232+74.05	64.80' LT	691.25	273395.71	595442.75
337	1232+68.59	73.96' LT	691.38	273390.38	595433.52
338	1232+73.59	74.03' LT	691.41	273395.38	595433.52
339	1232+73.33	79.00' LT	691.46	273395.20	595428.54
340	1232+81.75	72.70' LT	691.52	273403.52	595434.97
341	1232+81.69	77.60' LT	691.53	273403.53	595430.07
342	1232+68.54	65.01' LT	691.71	273390.20	595442.47
343	1232+68.12	73.45' LT	691.85	273389.90	595434.02
344	1232+77.32	59.39' LT	691.68	273398.90	595448.21

BOLIVAR-COLDSPRING MEDIAN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
360	1231+68.33	21.95' RT	694.04	273288.74	595527.99
361	1231+71.53	21.86' RT	693.96	273291.94	595527.94
362	1231+76.58	21.86' RT	693.93	273296.98	595528.01
363	1231+82.84	21.79' RT	693.85	273303.25	595528.03
364	1231+91.31	11.91' RT	693.69	273311.85	595518.26
365	1231+82.84	3.05' RT	693.86	273303.51	595509.29
366	1231+75.48	3.14' RT	693.95	273296.15	595509.28
367	1231+70.44	3.02' RT	693.99	273291.11	595509.08
368	1231+67.37	2.99' RT	694.06	273288.04	595509.01
369	1231+68.33	19.37' RT	694.54	273288.76	595525.40
371	1231+71.57	19.29' RT	693.96	273292.01	595525.36
372	1231+76.55	19.28' RT	693.93	273296.99	595525.43
374	1231+82.75	19.21' RT	694.43	273303.19	595525.44
376	1231+82.76	5.63' RT	694.29	273303.39	595511.87
378	1231+75.48	5.61' RT	693.88	273296.11	595511.74
379	1231+70.50	5.76' RT	693.91	273291.13	595511.82
381	1231+67.37	5.58' RT	694.48	273288.00	595511.60

BOLIVAR-COLDSPRING MEDIAN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
383	1231+75.91	12.46' RT	694.05	273296.45	595518.60
384	1231+70.98	12.56' RT	694.13	273291.51	595518.63
386	1231+75.58	7.62' RT	693.92	273296.18	595513.75
387	1231+70.64	7.57' RT	693.95	273291.24	595513.64
388	1231+76.33	17.33' RT	693.89	273296.80	595523.48
389	1231+71.44	17.40' RT	693.92	273291.90	595523.48

NOTES:

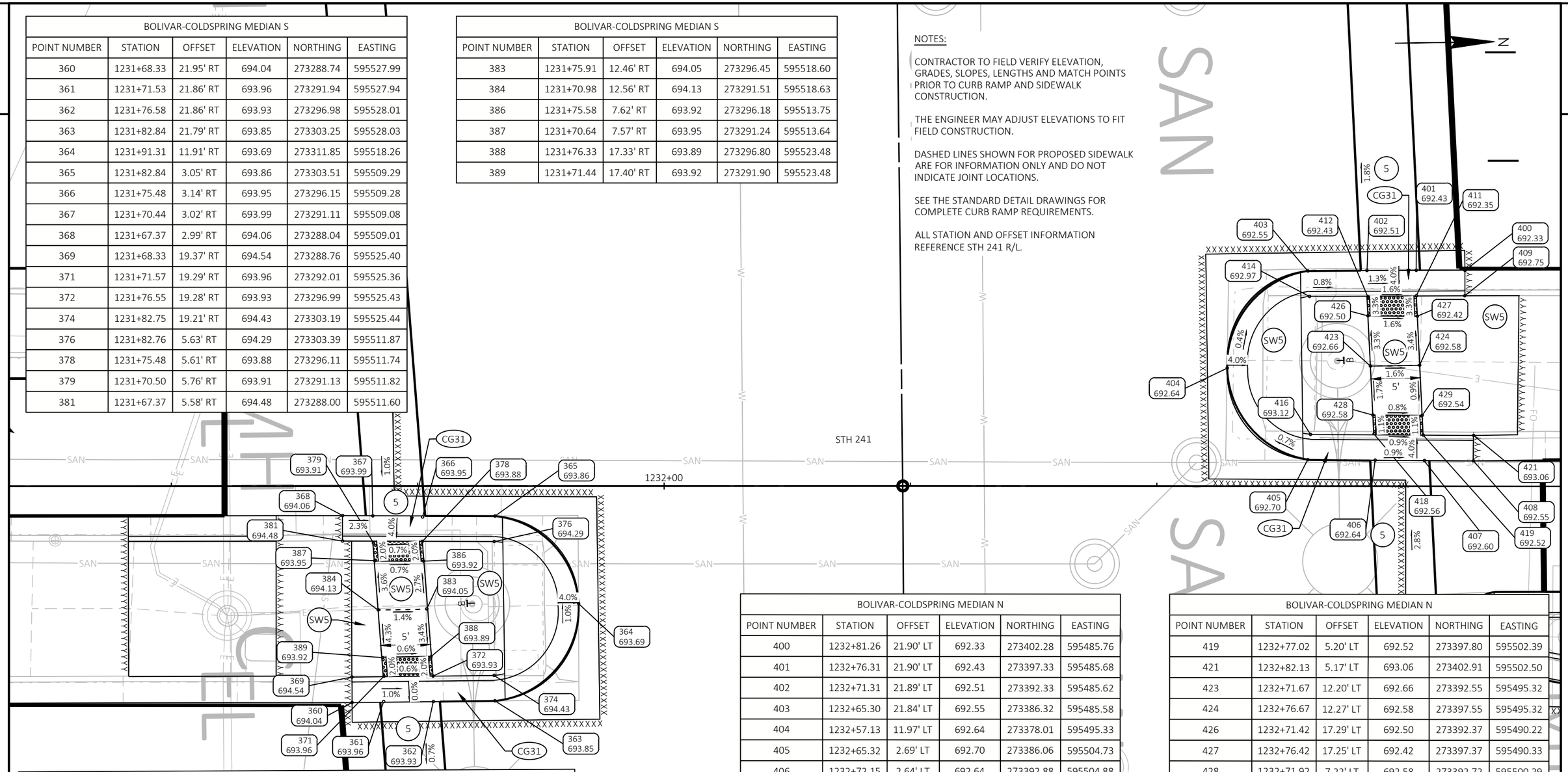
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.



LEGEND

X	CURB RAMP TYPE	MEF	MAXIMUM EXTENT FEASIBLE
LL	LEVEL LANDING	ROCK	REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED	CONCRETE CURB PEDESTRIAN	CG31	CONCRETE CURB & GUTTER 31-INCH
SEED	RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R	REJECT CONCRETE CURB & GUTTER 31-INCH
SD2	RESTORE WITH TOPSOIL, SEED, AND MULCH	PT	PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5	CONCRETE SIDEWALK 5-INCH	UNT	UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY	POINT NUMBER & ELEVATION		DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
B	PEDESTRIAN PUSH BUTTON		SLOPE INTERCEPT
		XXXXX	SAWING ASPHALT
		YYYYY	SAWING CONCRETE

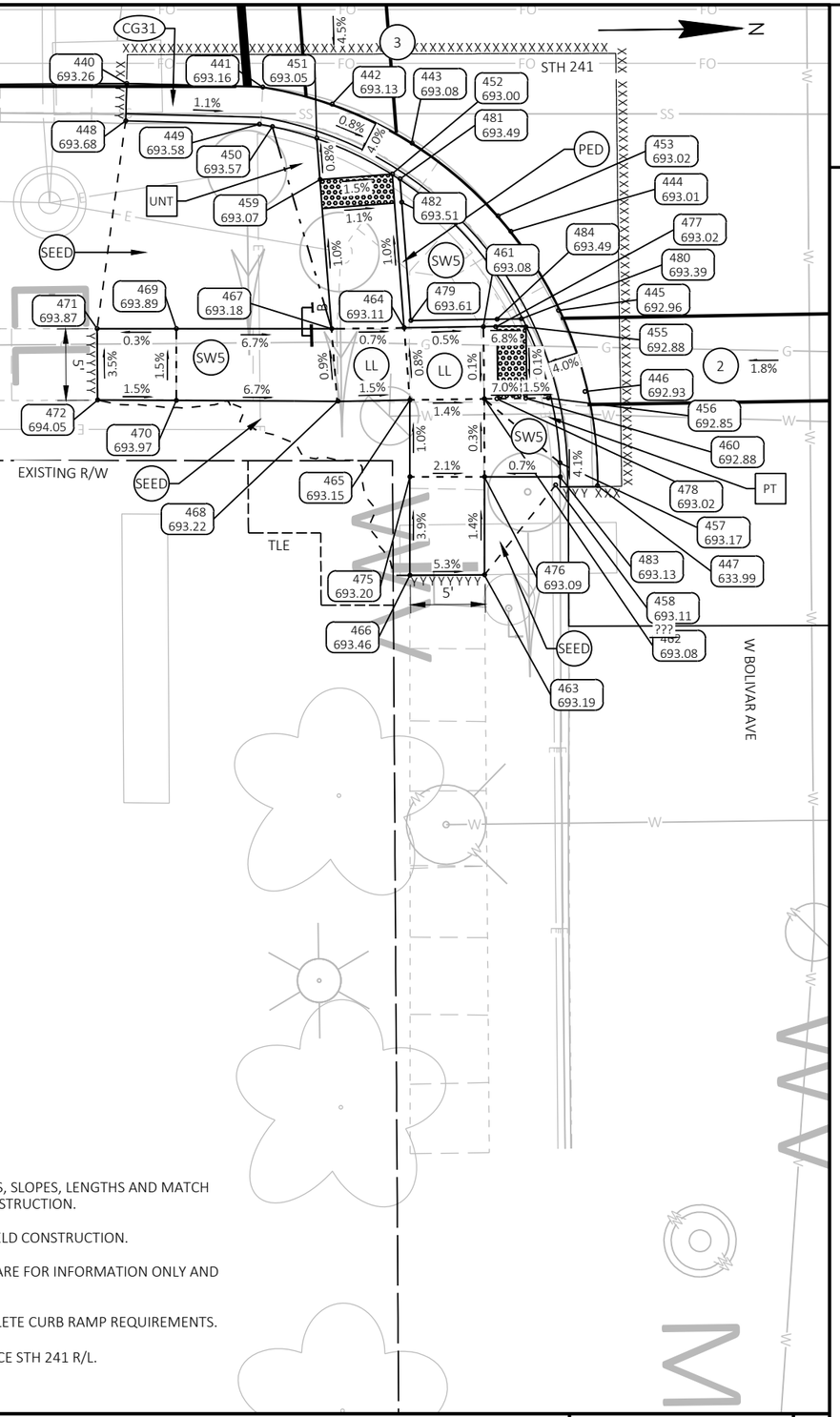
BOLIVAR-COLDSPRING MEDIAN N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	1232+81.26	21.90' LT	692.33	273402.28	595485.76
401	1232+76.31	21.90' LT	692.43	273397.33	595485.68
402	1232+71.31	21.89' LT	692.51	273392.33	595485.62
403	1232+65.30	21.84' LT	692.55	273386.32	595485.58
404	1232+57.13	11.97' LT	692.64	273378.01	595495.33
405	1232+65.32	2.69' LT	692.70	273386.06	595504.73
406	1232+72.15	2.64' LT	692.64	273392.88	595504.88
407	1232+77.15	2.61' LT	692.60	273397.89	595504.98
408	1232+82.12	2.59' LT	692.55	273402.86	595505.08
409	1232+81.23	19.33' LT	692.75	273402.21	595488.32
411	1232+76.32	19.32' LT	692.35	273397.30	595488.26
412	1232+71.41	19.20' LT	692.43	273392.39	595488.30
414	1232+65.47	19.25' LT	692.97	273386.45	595488.17
416	1232+65.58	5.26' LT	693.12	273386.36	595502.16
418	1232+72.05	5.33' LT	692.56	273392.83	595502.19

BOLIVAR-COLDSPRING MEDIAN N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
419	1232+77.02	5.20' LT	692.52	273397.80	595502.39
421	1232+82.13	5.17' LT	693.06	273402.91	595502.50
423	1232+71.67	12.20' LT	692.66	273392.55	595495.32
424	1232+76.67	12.27' LT	692.58	273397.55	595495.32
426	1232+71.42	17.29' LT	692.50	273392.37	595490.22
427	1232+76.42	17.25' LT	692.42	273397.37	595490.33
428	1232+71.92	7.22' LT	692.58	273392.72	595500.29
429	1232+76.92	7.20' LT	692.54	273397.72	595500.39

COUNTY: MILWAUKEE | CURB RAMP DETAILS - BOLIVAR-COLDSPRING AVE MEDIAN S & N | SHEET 35 | E

BOLIVAR SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
440	1231+61.35	53.91' RT	693.26	273281.31	595559.84
441	1231+70.77	54.16' RT	693.16	273290.73	595560.22
442	1231+75.57	55.34' RT	693.13	273295.51	595561.47
443	1231+81.11	58.03' RT	693.08	273301.01	595564.24
444	1231+87.93	64.14' RT	693.01	273307.75	595570.44
445	1231+91.25	69.60' RT	692.96	273310.99	595575.94
446	1231+93.08	75.22' RT	692.93	273312.74	595581.59
447	1231+93.94	81.73' RT	633.99	273313.52	595588.11
448	1231+61.28	56.49' RT	693.68	273281.21	595562.43
449	1231+70.54	56.74' RT	693.58	273290.46	595562.80
450	1231+71.43	56.89' RT	693.57	273291.35	595562.96
451	1231+74.51	57.70' RT	693.05	273294.41	595563.81
452	1231+79.74	60.17' RT	693.00	273299.61	595566.36
453	1231+87.06	63.08' RT	693.02	273306.89	595569.36
455	1231+88.99	70.76' RT	692.88	273308.72	595577.07
456	1231+90.54	75.66' RT	692.85	273310.20	595582.00
457	1231+91.34	80.15' RT	693.17	273310.94	595586.50
458	1231+91.04	81.69' RT	693.11	273310.62	595588.03
459	1231+74.73	60.56' RT	693.07	273294.60	595566.68
460	1231+88.97	75.69' RT	692.88	273308.63	595582.00
461	1231+86.05	70.74' RT	693.08	273305.77	595577.02
462	1231+86.12	75.73' RT	693.08	273305.77	595582.00

BOLIVAR SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
463	1231+86.13	87.91' RT	693.19	273305.61	595594.18
464	1231+80.57	70.81' RT	693.11	273300.29	595577.00
465	1231+80.95	75.80' RT	693.15	273300.61	595582.00
466	1231+80.96	87.93' RT	693.46	273300.45	595594.13
467	1231+75.54	70.88' RT	693.18	273295.26	595577.01
468	1231+75.97	75.89' RT	693.22	273295.62	595582.02
469	1231+64.79	70.88' RT	693.89	273284.52	595576.86
470	1231+64.80	75.84' RT	693.97	273284.46	595581.82
471	1231+59.32	70.88' RT	693.87	273279.04	595576.78
472	1231+59.35	75.82' RT	694.05	273279.01	595581.72
475	1231+80.96	81.13' RT	693.20	273300.54	595587.33
476	1231+86.12	81.12' RT	693.09	273305.70	595587.40
477	1231+86.90	70.74' RT	693.02	273306.62	595577.03
478	1231+86.97	75.71' RT	693.02	273306.63	595582.00
479	1231+81.03	70.30' RT	693.61	273300.76	595576.50
480	1231+88.67	70.18' RT	693.39	273308.41	595576.49
481	1231+80.26	60.52' RT	693.49	273300.13	595566.71
482	1231+80.39	62.13' RT	693.51	273300.23	595568.32
483	1231+91.36	81.12' RT	693.13	273310.94	595587.46
484	1231+86.99	70.21' RT	693.49	273306.72	595576.50



LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX / YYY.YY — POINT NUMBER & ELEVATION
- PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

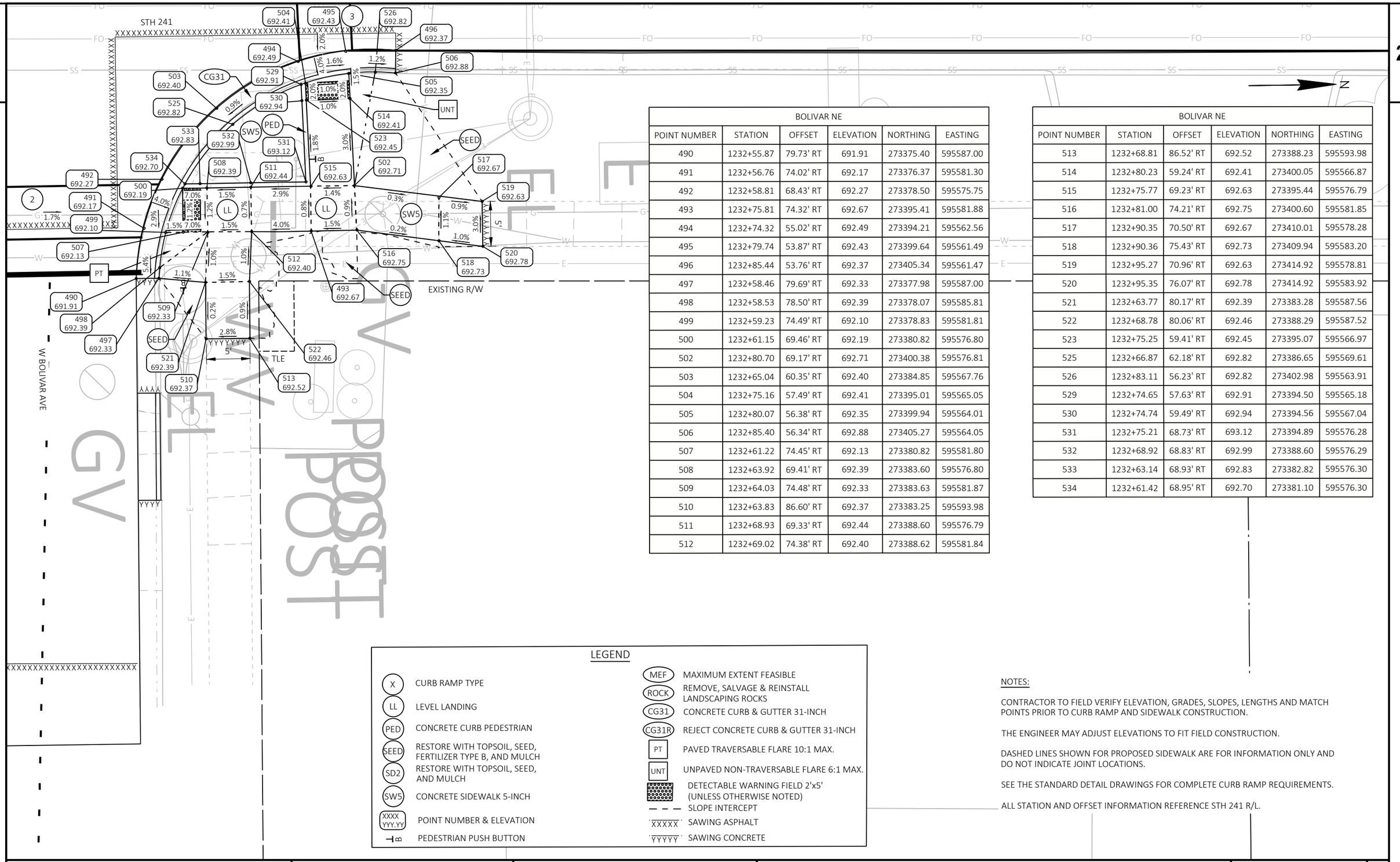
CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.



BOLIVAR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
490	1232+55.87	79.73' RT	691.91	273375.40	595587.00
491	1232+56.76	74.02' RT	692.17	273376.37	595581.30
492	1232+58.81	68.43' RT	692.27	273378.50	595575.75
493	1232+75.81	74.32' RT	692.67	273395.41	595581.88
494	1232+74.32	55.02' RT	692.49	273394.21	595562.56
495	1232+79.74	53.87' RT	692.43	273399.64	595561.49
496	1232+85.44	53.76' RT	692.37	273405.34	595561.47
497	1232+58.46	79.69' RT	692.33	273377.98	595587.00
498	1232+58.53	78.50' RT	692.39	273378.07	595585.81
499	1232+59.23	74.49' RT	692.10	273378.83	595581.81
500	1232+61.15	69.46' RT	692.19	273380.82	595576.80
502	1232+80.70	69.17' RT	692.71	273400.38	595576.81
503	1232+65.04	60.35' RT	692.40	273384.85	595567.76
504	1232+75.16	57.49' RT	692.41	273395.01	595565.05
505	1232+80.07	56.38' RT	692.35	273399.94	595564.01
506	1232+85.40	56.34' RT	692.88	273405.27	595564.05
507	1232+61.22	74.45' RT	692.13	273380.82	595581.80
508	1232+63.92	69.41' RT	692.39	273383.60	595576.80
509	1232+64.03	74.48' RT	692.33	273383.63	595581.87
510	1232+63.83	86.60' RT	692.37	273383.25	595593.98
511	1232+68.93	69.33' RT	692.44	273388.60	595576.79
512	1232+69.02	74.38' RT	692.40	273388.62	595581.84

BOLIVAR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
513	1232+68.81	86.52' RT	692.52	273388.23	595593.98
514	1232+80.23	59.24' RT	692.41	273400.05	595566.87
515	1232+75.77	69.23' RT	692.63	273395.44	595576.79
516	1232+81.00	74.21' RT	692.75	273400.60	595581.85
517	1232+90.35	70.50' RT	692.67	273410.01	595578.28
518	1232+90.36	75.43' RT	692.73	273409.94	595583.20
519	1232+95.27	70.96' RT	692.63	273414.92	595578.81
520	1232+95.35	76.07' RT	692.78	273414.92	595583.92
521	1232+63.77	80.17' RT	692.39	273383.28	595587.56
522	1232+68.78	80.06' RT	692.46	273388.29	595587.52
523	1232+75.25	59.41' RT	692.45	273395.07	595566.97
525	1232+66.87	62.18' RT	692.82	273386.65	595569.61
526	1232+83.11	56.23' RT	692.82	273402.98	595563.91
529	1232+74.65	57.63' RT	692.91	273394.50	595565.18
530	1232+74.74	59.49' RT	692.94	273394.56	595567.04
531	1232+75.21	68.73' RT	693.12	273394.89	595576.28
532	1232+68.92	68.83' RT	692.99	273388.60	595576.29
533	1232+63.14	68.93' RT	692.83	273382.82	595576.30
534	1232+61.42	68.95' RT	692.70	273381.10	595576.30

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX / YYY.YY — POINT NUMBER & ELEVATION
- PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

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ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PLAINFIELD SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
540	1239+95.28	54.09' LT	686.43	274116.70	595464.11
541	1239+99.90	54.06' LT	686.42	274121.32	595464.21
542	1240+04.90	54.06' LT	686.40	274126.32	595464.28
543	1240+17.17	54.07' LT	686.39	274138.59	595464.46
544	1239+95.21	56.64' LT	686.85	274116.66	595461.56
545	1239+96.40	56.64' LT	686.91	274117.86	595461.58
546	1239+99.90	56.64' LT	686.34	274121.36	595461.63
547	1240+04.90	56.65' LT	686.32	274126.35	595461.70
548	1240+07.88	56.65' LT	686.81	274129.34	595461.74
549	1240+17.17	56.65' LT	686.81	274138.63	595461.87
550	1239+99.86	67.96' LT	687.13	274121.48	595450.31
551	1240+04.86	67.96' LT	687.11	274126.48	595450.39
552	1239+99.87	72.96' LT	687.21	274121.57	595445.31
553	1240+04.87	72.96' LT	687.19	274126.56	595445.39
554	1239+94.88	67.97' LT	687.21	274116.50	595450.23
555	1239+95.05	72.97' LT	687.32	274116.74	595445.23
556	1240+11.45	67.95' LT	687.05	274133.07	595450.50
557	1240+11.33	72.93' LT	687.19	274133.02	595445.51

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- B — PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

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THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

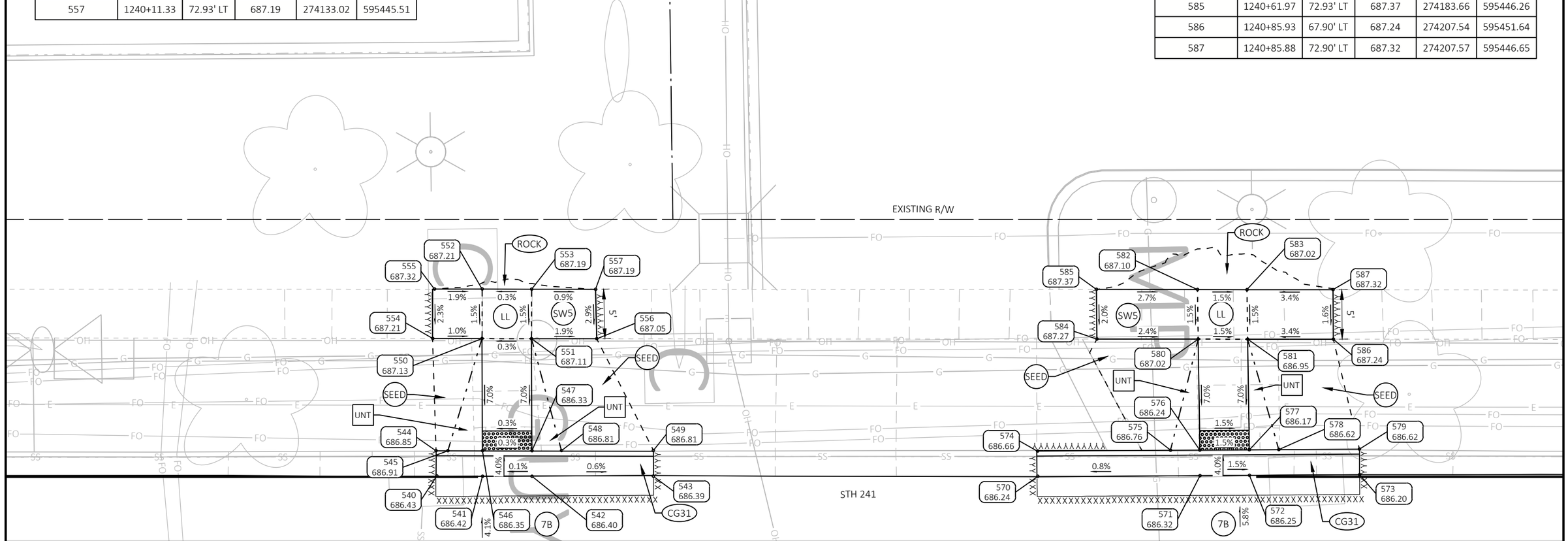
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ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

N

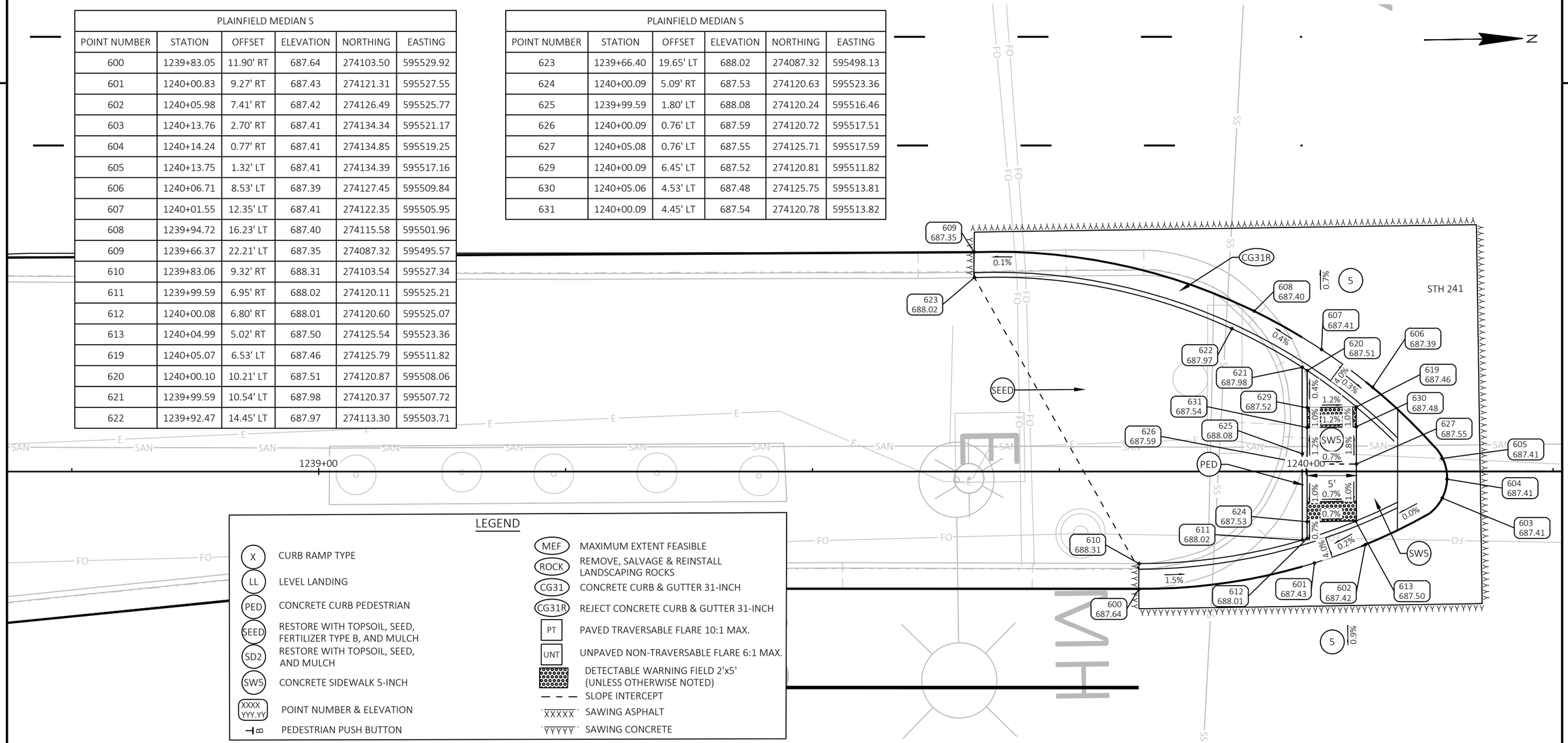
PLAINFIELD NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
570	1240+56.04	54.05' LT	686.24	274177.45	595465.05
571	1240+72.44	54.12' LT	686.32	274193.85	595465.22
572	1240+77.44	54.15' LT	686.25	274198.85	595465.27
573	1240+88.58	54.22' LT	686.20	274209.99	595465.36
574	1240+56.02	56.60' LT	686.66	274177.47	595462.50
575	1240+69.46	56.68' LT	686.76	274190.91	595462.62
576	1240+72.43	56.71' LT	686.24	274193.88	595462.64
577	1240+77.43	56.73' LT	686.17	274198.87	595462.68
578	1240+80.41	56.75' LT	686.62	274201.86	595462.71
579	1240+88.56	56.80' LT	686.62	274210.01	595462.78
580	1240+72.26	67.91' LT	687.02	274193.87	595451.43
581	1240+77.26	67.91' LT	686.95	274198.87	595451.51
582	1240+72.19	72.92' LT	687.10	274193.87	595446.43
583	1240+77.19	72.91' LT	687.02	274198.87	595446.51
584	1240+62.02	67.92' LT	687.27	274183.64	595451.27
585	1240+61.97	72.93' LT	687.37	274183.66	595446.26
586	1240+85.93	67.90' LT	687.24	274207.54	595451.64
587	1240+85.88	72.90' LT	687.32	274207.57	595446.65



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PLAINFIELD AVE SW & NW	SHEET 38	E

PLAINFIELD MEDIAN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	1239+83.05	11.90' RT	687.64	274103.50	595529.92
601	1240+00.83	9.27' RT	687.43	274121.31	595527.55
602	1240+05.98	7.41' RT	687.42	274126.49	595525.77
603	1240+13.76	2.70' RT	687.41	274134.34	595521.17
604	1240+14.24	0.77' RT	687.41	274134.85	595519.25
605	1240+13.75	1.32' LT	687.41	274134.39	595517.16
606	1240+06.71	8.53' LT	687.39	274127.45	595509.84
607	1240+01.55	12.35' LT	687.41	274122.35	595505.95
608	1239+94.72	16.23' LT	687.40	274115.58	595501.96
609	1239+66.37	22.21' LT	687.35	274087.32	595495.57
610	1239+83.06	9.32' RT	688.31	274103.54	595527.34
611	1239+99.59	6.95' RT	688.02	274120.11	595525.21
612	1240+00.08	6.80' RT	688.01	274120.60	595525.07
613	1240+04.99	5.02' RT	687.50	274125.54	595523.36
619	1240+05.07	6.53' LT	687.46	274125.79	595511.82
620	1240+00.10	10.21' LT	687.51	274120.87	595508.06
621	1239+99.59	10.54' LT	687.98	274120.37	595507.72
622	1239+92.47	14.45' LT	687.97	274113.30	595503.71

PLAINFIELD MEDIAN S					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
623	1239+66.40	19.65' LT	688.02	274087.32	595498.13
624	1240+00.09	5.09' RT	687.53	274120.63	595523.36
625	1239+99.59	1.80' LT	688.08	274120.24	595516.46
626	1240+00.09	0.76' LT	687.59	274120.72	595517.51
627	1240+05.08	0.76' LT	687.55	274125.71	595517.59
629	1240+00.09	6.45' LT	687.52	274120.81	595511.82
630	1240+05.06	4.53' LT	687.48	274125.75	595513.81
631	1240+00.09	4.45' LT	687.54	274120.78	595513.82



LEGEND

X	CURB RAMP TYPE	MEF	MAXIMUM EXTENT FEASIBLE
LL	LEVEL LANDING	ROCK	REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED	CONCRETE CURB PEDESTRIAN	CG31	CONCRETE CURB & GUTTER 31-INCH
SEED	RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R	REJECT CONCRETE CURB & GUTTER 31-INCH
SD2	RESTORE WITH TOPSOIL, SEED, AND MULCH	PT	PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5	CONCRETE SIDEWALK 5-INCH	UNT	UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY	POINT NUMBER & ELEVATION		DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PB	PEDESTRIAN PUSH BUTTON		SLOPE INTERCEPT
		XXXXX	SAWING ASPHALT
		YYYYY	SAWING CONCRETE

NOTES:

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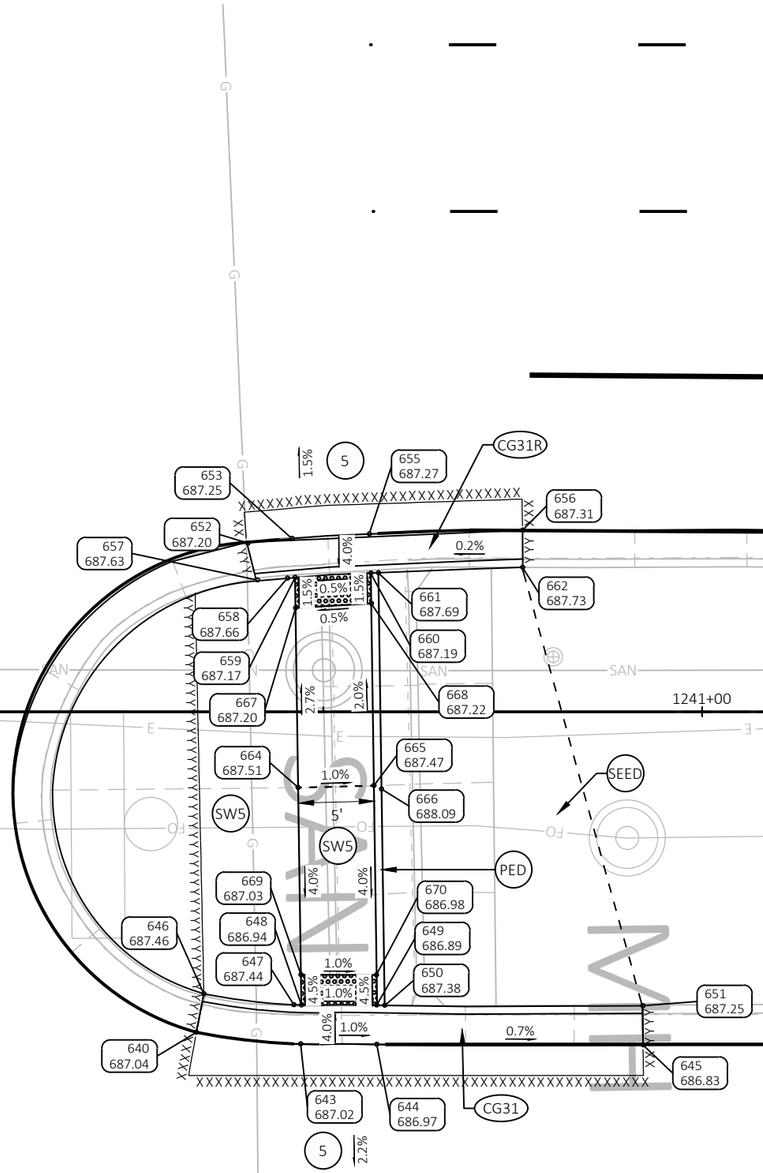
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SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PLAINFIELD AVE MEDIAN S	SHEET 39	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 13
PLOT DATE : 6/30/2025 2:13 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



PLAINFIELD MEDIAN N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
640	1240+66.62	21.15' RT	687.04	274186.91	595540.40
643	1240+73.50	21.91' RT	687.02	274193.79	595541.26
644	1240+78.52	21.95' RT	686.97	274198.80	595541.37
645	1240+96.10	21.98' RT	686.83	274216.38	595541.67
646	1240+67.12	18.62' RT	687.46	274187.45	595537.88
647	1240+73.05	19.33' RT	687.44	274193.37	595538.67
648	1240+73.55	19.34' RT	686.94	274193.87	595538.70
649	1240+78.52	19.35' RT	686.89	274198.85	595538.78
650	1240+79.05	19.37' RT	687.38	274199.37	595538.80
651	1240+96.09	19.40' RT	687.25	274216.41	595539.08
652	1240+70.01	11.12' LT	687.20	274190.79	595508.18
653	1240+72.93	11.43' LT	687.25	274193.71	595507.92
655	1240+78.03	11.73' LT	687.27	274198.81	595507.70
656	1240+88.15	11.98' LT	687.31	274208.93	595507.60
657	1240+70.66	8.69' LT	687.63	274191.39	595510.62
658	1240+72.63	8.82' LT	687.66	274193.37	595510.52

PLAINFIELD MEDIAN N					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
659	1240+73.13	8.86' LT	687.17	274193.87	595510.49
660	1240+78.13	9.15' LT	687.19	274198.87	595510.28
661	1240+78.63	9.17' LT	687.69	274199.37	595510.27
662	1240+88.15	9.53' LT	687.73	274208.90	595510.04
664	1240+73.34	5.01' RT	687.51	274193.87	595524.36
665	1240+78.34	4.87' RT	687.47	274198.87	595524.29
666	1240+78.84	5.10' RT	688.09	274199.37	595524.53
667	1240+73.16	6.86' LT	687.20	274193.87	595512.49
668	1240+78.16	7.14' LT	687.22	274198.87	595512.28
669	1240+73.52	17.35' RT	687.03	274193.87	595536.70
670	1240+78.49	17.37' RT	686.98	274198.84	595536.79

LEGEND

- X — CURB RAMP TYPE
- LL — LEVEL LANDING
- PED — CONCRETE CURB PEDESTRIAN
- SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH
- SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH
- SW5 — CONCRETE SIDEWALK 5-INCH
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- PEDESTRIAN PUSH BUTTON
- MEF — MAXIMUM EXTENT FEASIBLE
- ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
- CG31 — CONCRETE CURB & GUTTER 31-INCH
- CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
- PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
- UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
- DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
- SLOPE INTERCEPT
- XXXXX — SAWING ASPHALT
- YYYYY — SAWING CONCRETE

NOTES:

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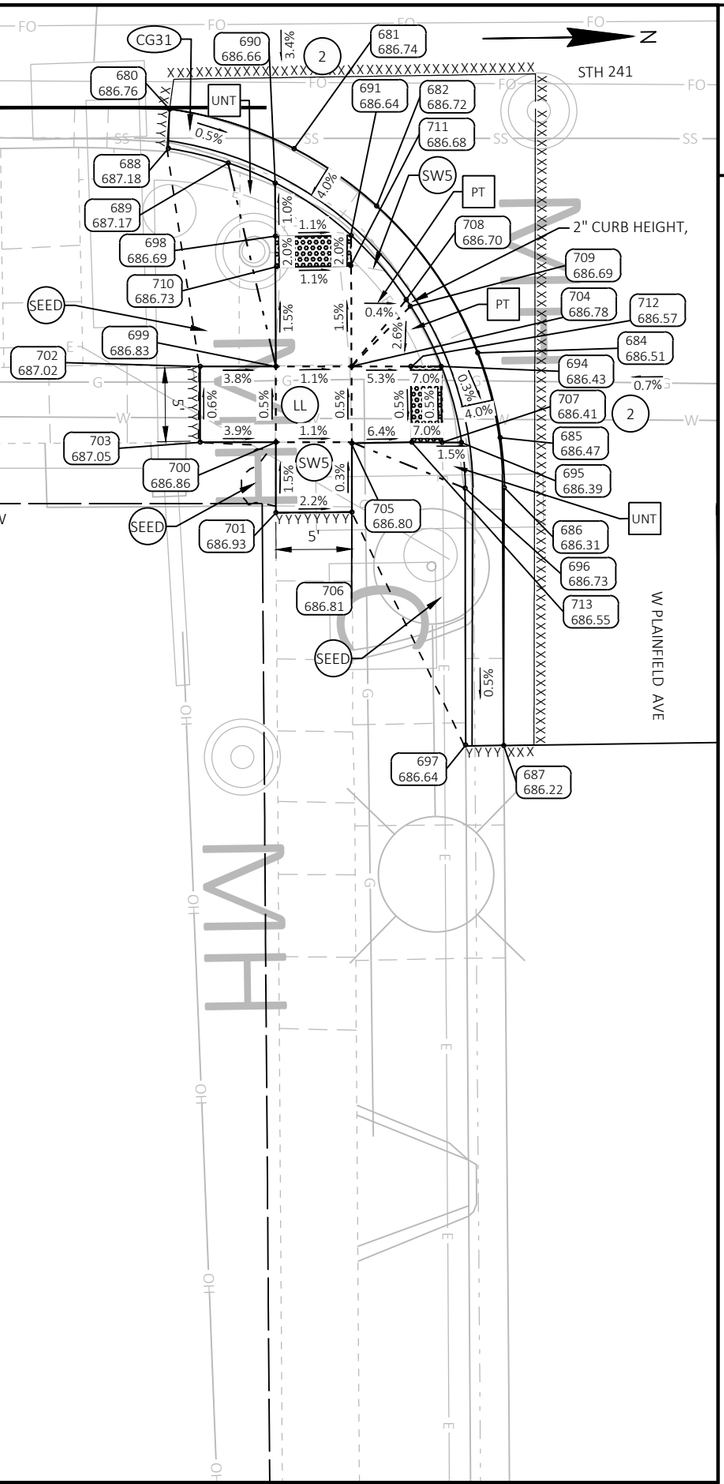
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ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PLAINFIELD SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
680	1239+93.33	53.99' RT	686.76	274113.16	595572.15
681	1240+01.55	56.60' RT	686.74	274121.33	595574.88
682	1240+07.01	60.38' RT	686.72	274126.73	595578.75
684	1240+13.67	70.06' RT	686.51	274133.25	595588.52
685	1240+15.15	75.65' RT	686.47	274134.65	595594.14
686	1240+15.42	78.95' RT	686.31	274134.87	595597.44
687	1240+15.38	95.97' RT	686.22	274134.58	595614.46
688	1239+93.25	56.58' RT	687.18	274113.03	595574.75
689	1239+97.20	57.54' RT	687.17	274116.96	595575.76
690	1240+00.30	58.86' RT	686.66	274120.05	595577.12
691	1240+05.31	62.33' RT	686.64	274125.01	595580.67
694	1240+11.25	70.95' RT	686.43	274130.82	595589.38
695	1240+12.59	75.97' RT	686.39	274132.08	595594.42
696	1240+12.84	79.00' RT	686.73	274132.29	595597.44
697	1240+12.87	95.94' RT	686.64	274132.07	595614.39
698	1240+00.32	62.36' RT	686.69	274120.02	595580.63
699	1240+00.34	70.96' RT	686.83	274119.91	595589.22
700	1240+00.34	75.96' RT	686.86	274119.84	595594.22

PLAINFIELD SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
701	1240+00.35	80.61' RT	686.93	274119.78	595598.87
702	1239+95.34	70.96' RT	687.02	274114.91	595589.15
703	1239+95.34	75.96' RT	687.05	274114.84	595594.15
704	1240+05.34	70.96' RT	686.78	274124.91	595589.29
705	1240+05.36	76.02' RT	686.80	274124.85	595594.36
706	1240+05.36	80.57' RT	686.81	274124.78	595598.91
707	1240+11.32	75.97' RT	686.41	274130.82	595594.40
708	1240+08.94	66.57' RT	686.70	274128.58	595584.96
709	1240+09.22	66.99' RT	686.69	274128.85	595585.39
710	1240+00.38	64.37' RT	686.73	274120.05	595582.64
711	1240+05.29	64.31' RT	686.68	274124.95	595582.65
712	1240+09.25	70.95' RT	686.57	274128.82	595589.35
713	1240+09.32	75.96' RT	686.55	274128.82	595594.36



LEGEND

X — CURB RAMP TYPE	MEF — MAXIMUM EXTENT FEASIBLE
LL — LEVEL LANDING	ROCK — REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED — CONCRETE CURB PEDESTRIAN	CG31 — CONCRETE CURB & GUTTER 31-INCH
SEED — RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R — REJECT CONCRETE CURB & GUTTER 31-INCH
SD2 — RESTORE WITH TOPSOIL, SEED, AND MULCH	PT — PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5 — CONCRETE SIDEWALK 5-INCH	UNT — UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY — POINT NUMBER & ELEVATION	DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
PEDESTRIAN PUSH BUTTON	SLOPE INTERCEPT
	XXXXX — SAWING ASPHALT
	YYYYY — SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

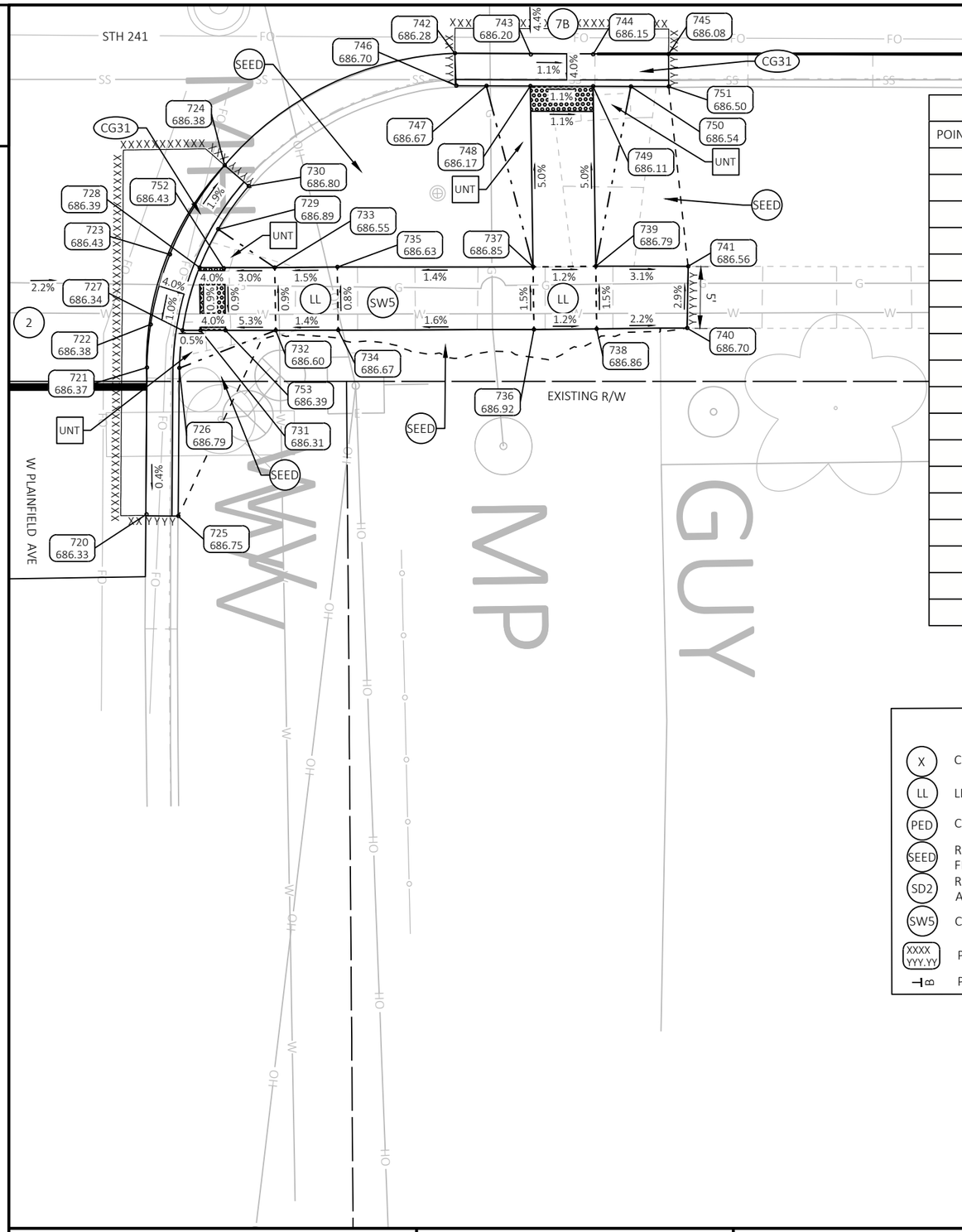
DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PLAINFIELD AVE SE	SHEET 41	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 15
PLOT DATE : 6/30/2025 2:13 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:10 FT



PLAINFIELD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
720	1240+43.49	90.59' RT	686.33	274162.76	595609.50
721	1240+43.53	78.90' RT	686.37	274162.97	595597.80
722	1240+43.83	75.46' RT	686.38	274163.33	595594.36
723	1240+45.36	69.89' RT	686.43	274164.94	595588.82
724	1240+49.72	62.78' RT	686.38	274169.41	595581.77
725	1240+46.02	90.73' RT	686.75	274165.30	595609.67
726	1240+46.11	78.93' RT	686.79	274165.56	595597.87
727	1240+46.37	75.93' RT	686.30	274165.86	595594.87
728	1240+47.72	70.93' RT	686.35	274167.29	595589.89
729	1240+49.21	67.87' RT	686.89	274168.82	595586.86
730	1240+51.65	64.43' RT	686.80	274171.31	595583.45
731	1240+47.80	75.93' RT	686.31	274167.29	595594.89
732	1240+53.80	75.92' RT	686.60	274173.29	595594.98
733	1240+53.70	70.92' RT	686.55	274173.27	595589.98
734	1240+58.78	75.92' RT	686.67	274178.27	595595.05
735	1240+58.70	70.89' RT	686.63	274178.27	595590.01
736	1240+74.38	75.87' RT	686.92	274193.87	595595.23
737	1240+74.31	70.87' RT	686.85	274193.87	595590.23

PLAINFIELD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
738	1240+79.38	75.82' RT	686.86	274198.87	595595.25
739	1240+79.31	70.82' RT	686.79	274198.87	595590.25
740	1240+86.59	75.75' RT	686.70	274206.08	595595.29
741	1240+86.67	70.82' RT	686.56	274206.23	595590.36
742	1240+68.08	53.86' RT	686.28	274187.89	595573.13
743	1240+74.14	53.94' RT	686.20	274193.95	595573.30
744	1240+79.09	53.94' RT	686.15	274198.90	595573.37
745	1240+85.12	53.92' RT	686.08	274204.93	595573.44
746	1240+68.19	56.42' RT	686.70	274187.97	595575.69
747	1240+70.60	56.45' RT	686.67	274190.37	595575.75
748	1240+74.10	56.47' RT	686.13	274193.87	595575.82
749	1240+79.10	56.49' RT	686.07	274198.87	595575.92
750	1240+82.10	56.49' RT	686.54	274201.88	595575.97
751	1240+85.13	56.51' RT	686.50	274204.90	595576.03
752	1240+49.66	70.98' RT	686.43	274169.23	595589.98
753	1240+49.80	75.93' RT	686.39	274169.29	595594.92

LEGEND

X	CURB RAMP TYPE	MEF	MAXIMUM EXTENT FEASIBLE
LL	LEVEL LANDING	ROCK	REMOVE, SALVAGE & REINSTALL LANDSCAPING ROCKS
PED	CONCRETE CURB PEDESTRIAN	CG31	CONCRETE CURB & GUTTER 31-INCH
SEED	RESTORE WITH TOPSOIL, SEED, FERTILIZER TYPE B, AND MULCH	CG31R	REJECT CONCRETE CURB & GUTTER 31-INCH
SD2	RESTORE WITH TOPSOIL, SEED, AND MULCH	PT	PAVED TRAVERSABLE FLARE 10:1 MAX.
SW5	CONCRETE SIDEWALK 5-INCH	UNT	UNPAVED NON-TRAVERSABLE FLARE 6:1 MAX.
XXXX YYY.YY	POINT NUMBER & ELEVATION		DETECTABLE WARNING FIELD 2'x5' (UNLESS OTHERWISE NOTED)
⊣B	PEDESTRIAN PUSH BUTTON		SLOPE INTERCEPT
		XXXXX	SAWING ASPHALT
		YYYYY	SAWING CONCRETE

NOTES:

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.

DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 241 R/L.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PLAINFIELD AVE NE	SHEET 42	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\021301-CR.DWG
LAYOUT NAME - 16
PLOT DATE : 6/30/2025 2:13 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

2

N

W BOTTSFORD AVE

CONSTRUCTION LIMITS
STA. 1224+80, 83.0' LT

BEGIN PROJECT
STA. 1224+59.35

STH 241

1222+00 1223+00 1224+00 1225+00 1226+00 1227+00 1228+00 1229+0

STA 1223+37
C-40-042 EXISTING
5' H X 9' W BOX CULVERT
RHF 49° - 30"

CONSTRUCTION LIMITS
STA. 1224+82, 71.2' RT

CONSTRUCTION LIMITS
STA. 1227+63, 101.1' RT
BUTT JOINT REQ'D

W WHITAKER AVE

LEGEND

INLET PROTECTION

B C D INLET PROTECTION TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 43	E

2

N

W COLD SPRING RD

CONSTRUCTION LIMITS
STA. 1232+06, 140.3' LT
STA. 1232+45, 93.4' LT

STH 241

229+00 1230+00 1231+00 1232+00 1233+00 1234+00 1235+00 1236+00

W BOLIVAR AVE

CONSTRUCTION LIMITS
STA, 1232+02, 91.6' RT
STA. 1232+41, 132.9' RT

LEGEND

INLET PROTECTION

B C D INLET PROTECTION TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 44	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\022001-EC.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 2:13 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

N

STH 241

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00 1243+00 1244+00

END CONSTRUCTION
STA. 1240+29, 80.5' RT

CONSTRUCTION LIMITS
STA. 1240+30, 96.0' RT

W PLAINFIELD AVE

LEGEND

INLET PROTECTION

B C D INLET PROTECTION TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 45	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\022001-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 6/30/2025 2:13 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

STH 241

1245+00 1246+00 1247+00 1248+00 1249+00 1250+00 1251+00 1252+00

LEGEND

INLET PROTECTION

B C D INLET PROTECTION TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 46	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\022001-EC.DWG
LAYOUT NAME - 04

PLOT DATE : 6/30/2025 2:13 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

N

W HOWARD AVE

END PROJECT
STA 1258+01.41

STH 241

1253+00 1254+00 1255+00 1256+00 1257+00 1258+00 1259+00

C C C D C D

LEGEND

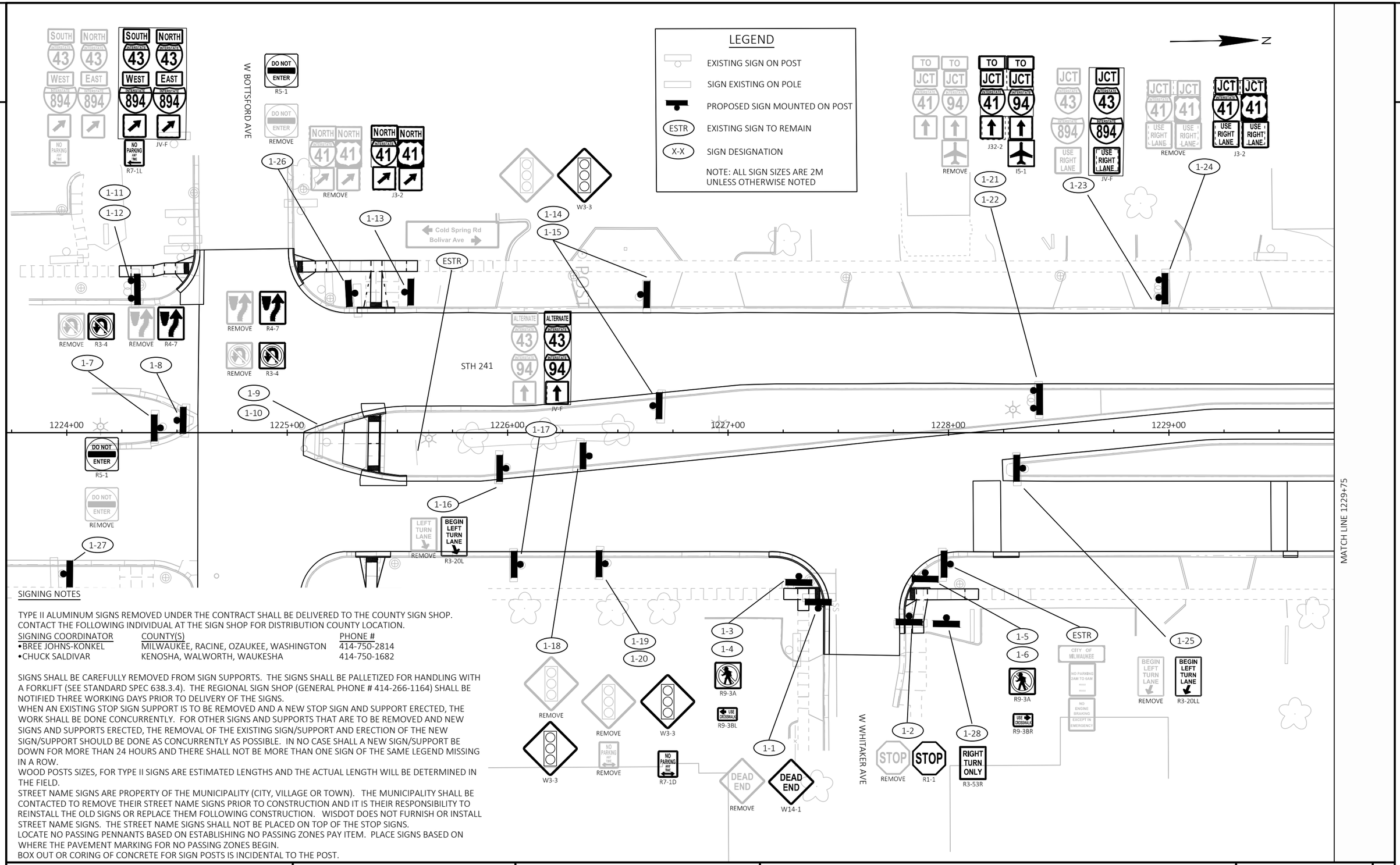
INLET PROTECTION

B C D INLET PROTECTION TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 47	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\022001-EC.DWG
LAYOUT NAME - 05

PLOT DATE : 6/30/2025 2:13 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:50 FT



SIGNING NOTES

TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR	COUNTY(S)	PHONE #
•BREE JOHNS-KONKEL	MILWAUKEE, RACINE, OZAUKEE, WASHINGTON	414-750-2814
•CHUCK SALDIVAR	KENOSHA, WALWORTH, WAUKESHA	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (GENERAL PHONE # 414-266-1164) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.
WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.
WOOD POSTS SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.
STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.
LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.
BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 48	E

2

LEGEND

- EXISTING SIGN ON POST
- SIGN EXISTING ON POLE
- PROPOSED SIGN MOUNTED ON POST
- ESTR — EXISTING SIGN TO REMAIN
- X-X — SIGN DESIGNATION

NOTE: ALL SIGN SIZES ARE 2M UNLESS OTHERWISE NOTED

N

MATCH LINE 1229+75

MATCH LINE 1235+50

STH 241

W COLD SPRING RD

W BOLIVAR AVE

1230+00 1231+00 1232+00 1233+00 1234+00 1235+00

2-1 SOUTH 241 J1-1 REMOVE; M3-3; M1-6

2-2 REMOVE R4-7

2-3 SPEED LIMIT 40 R2-1 REMOVE

2-4 NO PARKING STOPPING STANDING R7-4D REMOVE

2-5 ONE WAY R6-2L REMOVE

2-6 NORTH 241 J1-1; STOP R1-1F REMOVE

2-7 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE; REMOVE R4-7

2-8 DO NOT ENTER R5-1; STOP R1-1F REMOVE

2-9 DO NOT ENTER R5-1; STOP R1-1F REMOVE

2-10 DO NOT ENTER R5-1; STOP R1-1F

2-11 DO NOT ENTER R5-1; STOP R1-1F

2-12 NO PARKING STOPPING STANDING R7-4D REMOVE

2-13 DO NOT BLOCK DRIVEWAYS; DO NOT BLOCK DRIVEWAYS

2-14 DO NOT ENTER R5-1; STOP R1-1F MOUNTED ON SIGNAL POST

2-15 DO NOT ENTER R5-1; STOP R1-1F MOUNTED ON SIGNAL POST

2-16 DO NOT ENTER REMOVE; STOP REMOVE

2-17 DO NOT ENTER REMOVE; STOP REMOVE

2-18 DO NOT ENTER REMOVE; STOP REMOVE

2-19 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE; R4-7

2-20 SPEED LIMIT 40 REMOVE; SPEED LIMIT 40 R2-1

2-21 NO PARKING STOPPING STANDING R7-4D REMOVE

2-22 ONE WAY R6-2L REMOVE

2-23 NO STOPPING OR STANDING R7-4L REMOVE

2-24 SPEED LIMIT 40 REMOVE; SPEED LIMIT 40 R2-1

2-25 NO PARKING STOPPING STANDING R7-4D REMOVE

2-26 NO PARKING STOPPING STANDING R7-4D REMOVE

2-27 3 TONS OR OVER REMOVE; 3 TONS OR OVER R5-2A

2-28 3 TONS OR OVER REMOVE; 3 TONS OR OVER R5-2A

2-29 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE

2-30 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE

2-31 NORTH 241 J1-1; STOP R1-1F REMOVE

2-32 NORTH 241 J1-1; STOP R1-1F REMOVE

2-33 REMOVE W5-52L

2-34 LEFT TURN YIELD ON FLASHING YELLOW ARROW REMOVE

2-35 DO NOT ENTER R5-1; STOP R1-1F REMOVE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 49	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\023201-PS.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 6:08 PM
PLOT BY : JEFF KOMOROWSKI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN ON POST
- SIGN EXISTING ON POLE
- PROPOSED SIGN MOUNTED ON POST
- ESTR — EXISTING SIGN TO REMAIN
- X-X — SIGN DESIGNATION

NOTE: ALL SIGN SIZES ARE 2M UNLESS OTHERWISE NOTED

N

MATCH LINE 1235+50

STH 241

1236+00 1237+00 1238+00 1239+00 1240+00 1241+00

MATCH LINE 1241+30

W PLAINFIELD AVE

Cold Spring Rd
Bolivar Ave

3-2 REMOVE BEGIN LEFT TURN LANE; R3-20LL BEGIN LEFT TURN LANE

3-4 REMOVE BEGIN LEFT TURN LANE; R3-20L BEGIN LEFT TURN LANE

3-3 REMOVE NO PARKING STOPPING STANDING; R7-4D NO PARKING STANDING

ESTR

3-5 REMOVE; R4-7

3-6 REMOVE DO NOT ENTER; R5-1 DO NOT ENTER

3-7 REMOVE; R5-2

3-8 REMOVE 3 TONS OR OVER; R5-2A 3 TONS OR OVER

3-1 REMOVE STOP; R1-1 STOP

3-9 REMOVE; R4-7

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 50	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\023201-PS.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 6:08 PM
PLOT BY : JEFF KOMOROWSKI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN ON POST
- SIGN EXISTING ON POLE
- PROPOSED SIGN MOUNTED ON POST
- ESTR — EXISTING SIGN TO REMAIN
- X-X — SIGN DESIGNATION
- NOTE: ALL SIGN SIZES ARE 2M UNLESS OTHERWISE NOTED

N

MATCH LINE 1241+30

STH 241

1242+00 1243+00 1244+00 1245+00 1246+00 1247

MATCH LINE 1247+00

4-1 REMOVE
4-1 W3-3
4-1 REMOVE
4-1 W3-3
4-2 REMOVE
4-2 R7-4D
4-3
4-4 REMOVE
4-4 J12-2
4-5
4-7 REMOVE
4-7 JV-F
4-8
4-9 REMOVE
4-9 R7-4D
4-12 REMOVE
4-12 R2-1
4-15
4-13 REMOVE
4-13 R4-7
4-6 RIDESHARE INFO CALL 1 - 800 - 455 - POOL
4-6 RIDESHARE INFORMATION www.rideshare.wi.gov D12-2B
4-16 U-TURN ONLY R3-53U
4-14 REMOVE
4-14 R7-1D

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 51	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\023201-PS.DWG
LAYOUT NAME - 04

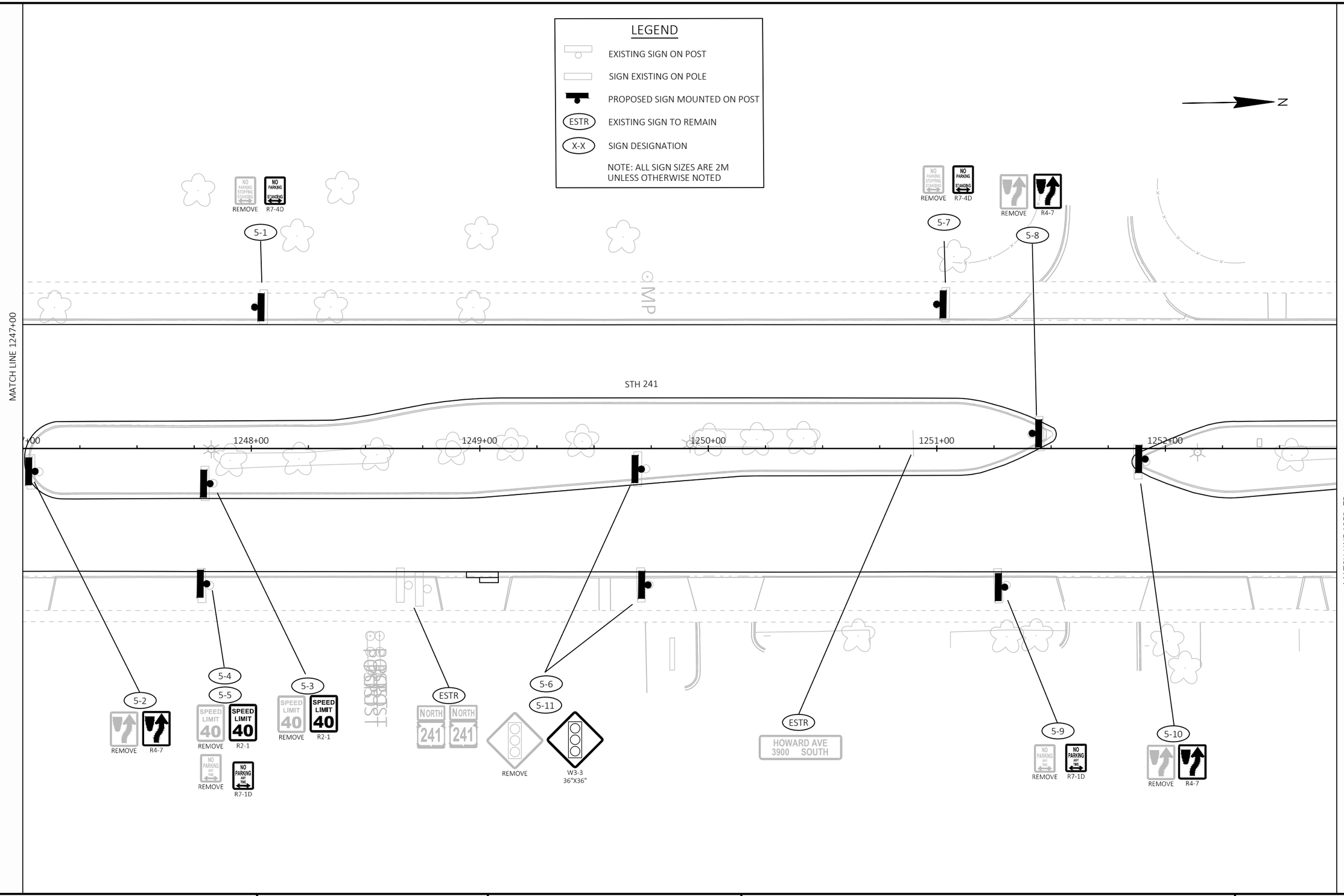
PLOT DATE : 6/30/2025 6:09 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- EXISTING SIGN ON POST
- SIGN EXISTING ON POLE
- PROPOSED SIGN MOUNTED ON POST
- ESTR — EXISTING SIGN TO REMAIN
- X-X — SIGN DESIGNATION

NOTE: ALL SIGN SIZES ARE 2M UNLESS OTHERWISE NOTED

N



2

2

LEGEND

- EXISTING SIGN ON POST
- SIGN EXISTING ON POLE
- PROPOSED SIGN MOUNTED ON POST
- (ESTR) EXISTING SIGN TO REMAIN
- (X-X) SIGN DESIGNATION

NOTE: ALL SIGN SIZES ARE 2M UNLESS OTHERWISE NOTED

N

W HOWARD AVE

MATCH LINE 1252+75

STH 241

1253+00 1254+00 1255+00 1256+00 1257+00 1258+00

6-1 SPEED LIMIT 40 REMOVE R2-1

6-2 NO PARKING STOPPING STANDING REMOVE R7-4D

6-3 REMOVE R4-7

ESTR ADOPT A HIGHWAY

6-12 SPEED LIMIT 40 REMOVE R2-1

6-13 SOUTH 241 REMOVE J1-1

6-14 REMOVE R4-7

6-4 6-5 NORTH INTERSTATE 43 INTERSTATE 94 NO PARKING ANY TIME REMOVE R7-1D JV-F

6-6 REMOVE R4-7

6-7 BEGIN LEFT TURN LANE REMOVE R3-20L

6-8 NO PARKING ANY TIME REMOVE R7-1D

6-9 BEGIN LEFT TURN LANE REMOVE R3-20LL

6-10 ALTERNATE INTERSTATE 43 INTERSTATE 94 JV-F

6-11 NO PARKING ANY TIME REMOVE R7-1R

6-15 6-16 DO NOT ENTER REMOVE R5-1 STOP REMOVE R1-1F MOUNTED ON SIGNAL POST

6-17 6-18 STOP REMOVE STOP R1-1F MOUNTED ON SIGNAL POST

POST POST

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 53	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\023201-PS.DWG
LAYOUT NAME - 06

PLOT DATE : 6/30/2025 6:09 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STREET LIGHTING GENERAL NOTES:

PRIOR TO CONSTRUCTION, THE LOCATION OF UNDERGROUND UTILITIES SHALL BE DETERMINED IN THE FIELD BY CONTACTING "DIGGERS HOTLINE."

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

STREET LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTIONS 652 TO 657 AND 659 EXCEPT:

ALL CHANGES OR ANY DEVIATIONS FROM PLANS MUST BE APPROVED BY STREET LIGHTING ENGINEERING.

1 DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2 THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCLUDING REPAIRS, REPLACEMENT OR RELOCATION ETC. OF STREET LIGHTING FACILITIES IF THE CONTRACTOR DOES ANY DEVIATION FROM THE STREET LIGHTING DESIGN WITHOUT THE STREET LIGHTING ENGINEERS SIGNED APPROVAL.

3 LOCATIONS OF THE HDPE AND NONMETALLIC PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, INSTALLATION MAY REQUIRE INTEGRATION WITH EXISTING FIELD CONDITIONS. UNDER THE APPROVAL OF THE CITY OF MILWAUKEE DPW STREET LIGHTING, APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED TO ILLUSTRATE AS BUILT CONDITIONS.

4 CONDUIT INSTALLED BEHIND CURB AND UNDER DRIVEWAYS SHALL BE INSTALLED AT A DISTANCE OF MINIMUM OF 12 INCHES AWAY FROM THE BACK OF CURB TO THE CENTER LINE OF CONDUIT, AND MINIMUM 24 INCHES DOWN MEASURED FROM THE TOP OF CURB OR FINISHED GRADE TO THE TOP OF CONDUIT.

5 DEPTH OF CONDUIT INSTALLED BELOW STREETS, HIGHWAYS, AND ALLEYS SHALL BE 24-INCHES MINIMUM AND 36-INCHES MAXIMUM. (MEASURED FROM FINISHED FLANGE LINE) IF THE CONTRACTOR DOES ANY DEVIATION FROM THE STREET LIGHTING DESIGN WITHOUT THE STREET LIGHTING ENGINEERS SIGNED APPROVAL.

6 CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION.

7 WHEN THERE IS MORE THAN ONE CONDUIT TO BE INSTALLED, PLACE ALL CONDUITS IN THE SAME TRENCH, OR BORE MULTIPLE CONDUITS TOGETHER AT THE SAME TIME.

8 CONDUIT INSTALLATION THAT REQUIRE TRENCHING SHALL NOT BE BACKFILLED PRIOR TO INSPECTION ON THE CONDUIT.

9 ANY EXCEPTION TO THE MINIMUM OR MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE STREET LIGHTING ENGINEER.

10 BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

11 ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

12 PRIOR TO CONDUIT ACCEPTANCE, ALL OPEN CONDUIT ENDS, AND UN-TERMINATED CONDUITS SHALL BE THOROUGHLY CLEANED AND BE CAPPED IMMEDIATELY AFTER INSTALLATION WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

13 ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. APPROVED LABEL FIRMLY ATTACHED.

14 PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUIT.

15 CONDUIT RUNS SHALL BE THE SAME SIZE CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX OR JUNCTION BOX OR PULL BOX TO CONCRETE BASE, OR BASE-TO-BASE ETC.).

16 UNLESS THE CONDUIT IS DESIGNED AND SHOWN WITH BENDS ON THE PLANS, ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO CONCRETE BASE, AND PULL BOX TO ENCLOSURE. OTHERWISE IT MUST BE APPROVED BY THE STREET LIGHTING ENGINEER.

2

STREET LIGHTING GENERAL NOTES:

17 MINIMUM CONDUIT CLEARANCES FOR CONDUIT CROSSINGS AND PULL BOXES FROM THE FOLLOWING:
FIRE HYDRANTS: 6-FT TREE TRUNKS: 10-FT END OF DRIVEWAY FLARES: 6-FT CATCH BASINS: 4-FT
UNLESS NOTED OTHERWISE, OR APPROVED BY THE STREET LIGHTING ENGINEER.

18 HAND DIGGING MAY BE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES.
HAND EXCAVATION SHOULD BE ANTICIPATED AND WILL BE CONSIDERED INCIDENTAL TO THE BID ITEM BEING INSTALLED.
COORDINATE ALL WORK NEAR GAS LINES WITH WE ENERGIES.

19 TYPICAL RECTANGULAR PULL BOXES / VAULTS SHOULD BE INSTALLED AS SHOWN ON PLANS, BUT WHEN IT IS NOT POSSIBLE, A 3 FT. TO 4 FT. OFFSET FROM STREET LIGHT POLES, SIGNAL STANDARDS AND FIRE HYDRANTS SHOULD BE USED, OTHERWISE APPROVED BY THE STREET LIGHTING ENGINEER.

20 TYPICAL CONDUIT INSTALLATION FROM THE PULL BOX TO A DIRECT BURIED STREET LIGHT POLE IS AS FOLLOWS:
USE A NYLON LIQUIDTIGHT CONNECTOR (UL APPROVED) TO CONNECT THE 1 1/2-INCH LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT LFNC-B (UL APPROVED) TO THE PULL BOX AND CONNECT TO STREET LIGHT POLE BY STUBBING UP A MINIMUM OF 6 INCHES OF THE LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT (LFNC-B) INTO THE CABLE SLOT.

21 ALL CONDUITS AND JUNCTION BOXES EMBEDDED IN STRUCTURE SHALL BE PAID UNDER STRUCTURE PAY ITEMS. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF EMBEDDED CONDUITS.

22 AT EVERY BRIDGE JOINT, EXPANSION/DEFLECTION FITTINGS MUST BE USED TO PREVENT DAMAGE TO CONDUIT AND LIGHTING CIRCUITS. THIS ITEM IS INCIDENTAL TO THE CONDUIT BID ITEM, AND SHALL BE PAID UNDER STRUCTURE PAY ITEMS.

23 THE SUPPORT CHANNELS FOR INSTALLATION OF CONDUITS, LUMINAIRES, JUNCTION BOXES AND ENCLOSURES SHALL BE STAINLESS STEEL UNISTRUT P1000 SERIES OR APPROVED EQUAL, CHANNELS SHALL BE SLOTTED OR PERFORATED.

24 ALL HDPE OR NONMETALLIC PVC CONDUITS THAT CONNECT TO PULL BOXES REQUIRE A PVC END BELL CONNECTOR INSIDE THE PULL BOX

25 PROVIDE REMOVABLE SEALANT SUCH AS DUCT SEAL IN THE CONDUITS AT THE CABINETS, PULL BOXES AND JUNCTION BOXES TO AVOID CONDENSATION CAUSED BY AIRFLOW THROUGH THE CONDUITS DUE TO TEMPERATURE DIFFERENCE. THIS WORK SHALL BE INCIDENTAL TO ASSOCIATED CONDUIT PAY ITEM.

26 PROVIDE 3 INCH PVC SCHEDULE 40 CONDUIT ELBOWS IN ALL GROUND MOUNTED CONCRETE LIGHT BASES FOR CABLE IN DUCT TYPE INSTALLATION. THIS WORK IS INCIDENTAL TO CONCRETE BASES PAY ITEMS.

27 AT EACH SIGNAL STANDARD BASE PROVIDE 2 INCH PVC SCHEDULE 40 CONDUIT FROM PULL BOX TO SIGNAL STANDARD BASE. INSTALLATION OF PULL BOX AND CONDUIT ARE INCIDENTAL TO SIGNAL STANDARD BASE INSTALLATION WORK.

28 CONDUCTOR COLORS: 240/480, 1 PHASE - BLACK (HOT) /WHITE (NEUTRAL) // RED (HOT) /GRAY (NEUTRAL) / GREEN (GROUND)

29 INSTALL COMMON GROUND CONDUCTOR IN CONDUIT WHERE MULTIPLE BRANCH CIRCUITS CONDUCTORS ARE INSTALLED IN SAME CONDUIT AND SPLICE THE GROUND CONDUCTOR WITH TAP CONNECTOR IN PULLBOX.

30 PROVIDE MINIMUM WIRES / CONDUCTOR(S) SLACK AS NOTED BELOW:
PULL BOXES: SEE DETAIL 142
- CONNECTED WIRES TO LIGHT POLE IN PULL BOX MUST BE EXTENDED MINIMUM 3 FT. BEYOND TOP OF PULL BOX
- UNCONNECTED WIRES THAT BY PASS THROUGH PULL BOX MUST HAVE A MINIMUM OF 6 FT. SLACK COIL LEFT INSIDE PULL BOX

EMBEDDED JUNCTION BOXES IN PARAPIT WALL :
- CONNECTED WIRES IN JUNCTION BOX EXTEND MINIMUM 2 FT. BEYOND TOP OF JUNCTION BOX
- UNCONNECTED WIRES IN JUNCTION BOX LEAVE MINIMUM OF 4 FT. SLACK COIL IN JUNCTION BOX

DISTRIBUTION CENTER/LOAD CENTER: EXTEND 10-FT.
BREAK AWAY TRANSFORMER BASE: EXTEND 2-FT.

31 UNDERGROUND WIRE & CONDUIT SHOWN ON PLANS TO BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.

32 LIGHT POLES INSTALLED BEHIND THE CURB NEED TO BE SET 30 INCHES BACK FROM FACE OF CURB TO CENTER OF POLE, SO TO MEET THE MINIMUM DISTANCE OF 24 INCHES FROM THE CURB FACE TO THE CURB SIDE FACE OF THE POLE.

33 ON ALL NEW STREET LIGHT POLES AND MONOTUBES WITH ATTACHED STREET LIGHTING, A PLAQUE WITH THE POLE NUMBER AS SHOWN ON THE PLANS SHALL BE AFFIXED ONTO THE POLE SHAFT AS PART OF POLE INSTALLATION.

CITY OF MILWAUKEE
DEPARTMENT OF PUBLIC WORKS
STREET LIGHTING SECTION
REVISION BY: jawill REVISION DATE: 3-JUN-2025 08:41
APPROVED REVISION BY: R.BERTRAN APPROVED REVISION DATE: MAY.1-2025

PROJECT NO. 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 54	E

STREET LIGHTING GENERAL NOTES:

34 ALL WIRE CONNECTIONS REQUIRE ANTI-OXIDANT TO BE APPLIED TO THE CONNECTIONS

35 REQUIRED MINIMUM CLEARANCES FOR THE INSTALLATION OF NEW LIGHT POLES FROM THE FOLLOWING:
1.) TREE TRUNK 15 FT. CLEAR, 2.) DRIVEWAY CURB END FLARE 6 FT. CLEAR, 3.) FIRE HYDRANT 5 FT. CLEAR,
4.) CATCH BASIN CENTER LINE TO NEAREST EDGE OF POLE 4 FT. CLEAR,
5.) GAS, WATER, AND COMMUNICATION LINES 3 FT. CLEAR,
A POLE CAN BE PLACE AT THE END RADIUS AT CORNERS, BUT NEVER IN THE RADIUS IN A CORNER,
UNLESS NOTED OTHERWISE, OR APPROVED BY THE STREET LIGHTING ENGINEER.

36 ALL HARDWARE NUT AND BOLT CONNECTIONS REQUIRE ANTI SEIZE TO BE APPLIED TO THEM

37 COORDINATE NEW CONDUIT CONNECTIONS WITH EXISTING CONDUIT, DUCT PACKAGES,
AND PULL BOXES/ VAULTS/ MANHOLES WITH CITY OF MILWAUKEE STREET LIGHTING. THE CITY
REQUIRES THREE WORKING DAYS ADVANCED NOTICE. CONTACT ELECTRICAL SUPERVISOR
STREET LIGHTING - NEAL KARWEIK (OFFICE 414-286-5943 (CELL) 414-708-4245
STREET LIGHTING - STEVEN RHODA (OFFICE) 414-286-5942 (CELL) 414-708-4251
STREET LIGHTING - DISPATCHER @ 414-286-5944
TRAFFIC SIGNALS - RUDY GUTIERREZ (OFFICE) 414-286-5941 (CELL) 414-708-5148
TRAFFIC SIGNALS - DISPATCHER @ 414-286-3687

38 IMMEDIATELY AFTER THE CONTRACTOR HAS COMPLETED ALL THE ELECTRICAL PULL BOXES / VAULTS, CONDUIT
AND CONDUIT CONNECTIONS, AND JUST BEFORE ELECTRICAL WORK IS COVERED UP WITH
CONCRETE, SOIL, OR ETC. THE CONTRACTOR IS REQUIRED TO CONTACT THE CITY OF MILWAUKEE
ELECTRICAL SHOP SUPERVISORS FOR FINAL INSPECTION AND APPROVAL OF ALL WORK.
STREET LIGHTING - NEAL KARWEIK (OFFICE) 414-286-5943 (CELL) 414-708-4245
STREET LIGHTING - STEVEN RHODA (OFFICE) 414-286-5942 (CELL) 414-708-4251
STREET LIGHTING - DISPATCHER @ 414-286-5944
TRAFFIC SIGNALS - RUDY GUTIERREZ (OFFICE) 414-286-5941 (CELL) 414-708-5148
TRAFFIC SIGNALS - DISPATCHER @ 414-286-3687

39 CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS FOR ALL WORK BEING DONE DETAILING THE FINAL PLACEMENT OF
CONDUIT, CABLING, EQUIPMENT, AND GEOMETRIC MODIFICATIONS UNDER THE CONTRACT. PROVIDE (.PDF FORMAT)
COPY CONFORMING TO CMM 1-65.14, OR RECORD ALL CHANGES IN RED INK ONLY ON THE AS-LET (DESIGN)
PAPER DRAWINGS. THE CITY OF MILWAUKEE DPW ENGINEER WILL REJECT AS-BUILTS WITH INCOMPLETE OR
INCORRECT CONTENT OR NOT CONFORMING TO CMM STANDARDS.

40 MUST VERIFY WITH STREET LIGHTING SPECIFICATIONS IF CONTRACTOR IS TO DELIVER OR NOT THE
FOLLOWING REMOVED STREET LIGHTING MATERIALS:
-ALUMINUM AND WOOD POLES -LUMINAIRE BRACKET ARMS
-LUMINAIRES -BREAKAWAY TRANSFORMER PEDESTALS
-WIRING PEDESTALS (GREEN IN COLOR)
TO CITY OF MILWAUKEE STREET LIGHTING YARD AT 1540 W. CANAL ST.
CALL RICO LOPEZ AT 414-286-5983 (CANAL OFFICE) OR 414-286-6123 (DPW FIELD OFFICE) OR
DISPATCHER AT 414-286-5944 - THREE (3) WORKING DAYS BEFORE TO COORDINATE DELIVERY OF MATERIALS

41 CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF CONCRETE POLES, BASES, AND ABANDON CONDUIT AND WIRING.

42 CONTRACTOR SHALL DISPOSE OF REMOVED EXISTING LAMPS IN ACCORDANCE WITH
THE SPECIAL PROVISIONS., UNLESS NOTED OTHERWISE.

43 ONLY WHEN THE CITY OF MILWAUKEE IS FURNISHING MATERIALS FOR A PROJECT THE CONTRACTOR IS
RESPONSIBLE TO CONTACT THE STREET LIGHTING SHOP YARD CONTACT PERSON
FOUR (4) WORKING DAYS BEFORE, AND WILL NEED TO PROVIDE THE EXACT QUANTITY OF MATERIALS NEEDED.
THE ADVANCE NOTICE WILL ALLOW THE SHOP TO GATHER THE REQUEST ITEMS FOR THE CONTRACTOR
TO PICK UP AND SIGN FOR TAKING POSSESSION OF THE MATERIALS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MATERIALS THAT THEY TAKE POSSESSION OF AND
FOR THE ANY RETURNING OF ANY UNUSED MATERIALS BACK TO THE SHOP IN GOOD CONDITION.
IF ANY MATERIALS COME BACK DAMAGED OR BROKEN THE CONTRACTOR WILL BE RESPONSIBLE FOR
REPLACING THE BROKEN OR DAMAGED ITEMS.

STREET LIGHTING SHOP YARD CONTACT PERSON:
NEAL KARWEIK 414-286-5943 (OFFICE) 414-708-4245 (CELL)
ALL THE MATERIALS MUST BE EITHER PICKED OR DROPPED OFF ALL AT ONE TIME.
THE STREET LIGHTING SHOP YARD HOURS FOR PICKING UP MATERIALS IS FROM 8AM TO 2PM:
MONDAY THROUGH FRIDAY.

CONTRACTOR MUST BE OUT OF THE SHOP YARD BY 2PM NO LATER.

2

STREET LIGHTING GENERAL NOTES:

AS-BUILT GUIDELINES:

PROVIDE AS-BUILT DRAWINGS DETAILING THE FINAL PLACEMENT OF CONDUIT, CABLING, EQUIPMENT, AND
GEOMETRIC MODIFICATIONS UNDER THE CONTRACT. PROVIDE PDF COPY CONFORMING TO
CMM 1-65.14, OR RECORD ALL CHANGES IN RED INK ONLY ON THE AS-LET (DESIGN) PAPER DRAWINGS.
THE ENGINEER WILL REJECT AS-BUILTS WITH INCOMPLETE OR INCORRECT CONTENT OR NOT CONFORMING
TO CMM STANDARDS.

UPON PROJECT COMPLETION, FOLLOW THE WISDOT REQUIREMENTS PER CMM 165.12 AS-BUILT PLANS, THE PROJECT
ENGINEER AND/OR ELECTRICAL CONTRACTOR SHALL SUBMIT AN ELECTRONIC AS-BUILT PLAN. ANY CHANGES FROM THE AS-LET
PLAN THAT WERE BUILT INTO THE PROJECT SHOULD BE RECORDED IN RED USING ADOBE ACROBAT PROFESSIONAL
OR EQUIVALENT SOFTWARE. DO NOT SCAN FIELD NOTES TO CREATE THE DIGITAL AS-BUILT PLAN.

IF THERE IS A STRUCTURE DRAWING, INCLUDE ALL STRUCTURES DRAWING SHEETS. IT IS THE RESPONSIBILITY OF THE
CONTRACTOR TO INSERT ANY ADDENDUM OR REPLACEMENT DRAWING SHEETS. TO DO THIS, RENUMBER THEM
SIMILARLY TO THE ORIGINAL DRAWING SHEET.
FOR EXAMPLE:
REVISED SHEET 5 WOULD REPLACE SHEET 5. HOWEVER, ALL THE ORIGINAL SHEETS SHALL REMAIN IN THE
AS-BUILT. IF THE SHEET HAS BEEN REPLACED CROSS IT OUT WITH AN X AND INDICATE THE NUMBER OF
ITS REPLACEMENT SHEET. IF ADDITIONAL SHEETS WERE ADDED, INSERT THEM IN THE ORIGINAL LOCATION
AND LABEL THEM WITH THE PREVIOUS SHEET NUMBER FOLLOWED BY AN "A", "B", "C", ETC.

NOTE THE SHEET CHANGES ON THE TITLE SHEET UNDER THE ORDER OF SHEETS.

THE TITLE SHEET OF THE AS-BUILT DRAWING SHOULD INCLUDE THE FOLLOWING INFORMATION:
AS-BUILT DRAWING
SUPERVISOR:
PROJECT MANAGER:
CONTRACTOR LEADER:
CONTRACTOR COMAPNY:
WORK STARTED:
WORK COMPLETED:

LINE OUT OR CROSS OUT ALL CHANGED INFORMATION AND WRITE-IN THE CORRECTED INFORMATION ABOVE THE ORIGINAL
OR CLOSE TO IT WHEREVER POSSIBLE. USE BLANK SPACES ON THE DRAWING SO NOTES ARE NOT SUPERIMPOSED.
DRAWINGS WITH EXCESSIVE DETAIL MAY REQUIRE AN ALTERNATE APPROACH. NUMBERED CHANGES OR ADDITIONS MAY
BE SHOWN ON SUPPLEMENTAL NON-DRAWING SHEETS.

- LOCATE AND CLEARLY LABEL ALL CONDUIT RUNS, FITTINGS, SPLICE VAULTS, PULL BOXES, METER PEDESTALS, CONCRETE BASES, TRANSFORMERS, POLES AND OTHER APPURTENANCES IN TWO DIRECTIONS. SWING TIES SHOULD BE MADE FROM THE OBJECTS THAT ARE PERMANENT IN NATURE AND VISIBLE ON THE FINISHED SURFACE.
- STREET NAMES SHALL BE ON ALL SHEETS.
- SHOW ALL SIZES AND MATERIAL TYPES OF PIPES AND CONDUITS, IF CHANGED OR MODIFIED FROM ORIGINAL DESIGN.
- ALL HORIZONTAL DISTANCES SHALL BE SHOWN TO THE NEAREST TENTH OF A FOOT (I.E., 205.3').
  ALL VERTICAL DISTANCES SHALL BE TO THE NEAREST INCH (I.E., 24")
- SHOW LOCATION AND ELEVATIONS ON CONDUIT AND FITTINGS WHERE CHANGES OR DEFLECTIONS IN DIRECTION OCCUR.
- SPECIAL DETAIL DRAWINGS MAY BE REQUIRED WHERE INSTALLATIONS ARE NOT SHOWN ON APPROVED CONSTRUCTION DRAWINGS FOR WHATEVER REASON OR WHERE REQUIRED FOR CLARITY.
- TYPICAL SERVICE INSTALLATION DETAILS WITH DEVIATIONS FROM ORIGINAL PLANS OR STANDARD DETAILS SHALL BE NOTED ON AS-BUILT DRAWINGS.
- NO ARBITRARY MARK-UPS WILL BE PERMITTED.

IF THERE ARE NO CORRECTIONS OR ADDITIONS TO THE AS-LET PLAN(S) PUT "NO CHANGE" ON THE SHEET WITH
ALL OTHER REQUIRED AS-BUILT INFORMATION.

BY MAIL SEND TO:
CITY OF MILWAUKEE
INFRASTRUCTURE SERVICES DIVISION
TRANSPORTATION SECTION - CONSTRUCTION
CHIEF CONSTRUCTION ENGINEER
TONY KOTECKI
841 NORTH BROADWAY, ROOM 701
MILWAUKEE, WISCONSIN 53202

BY EMAIL SEND TO:
CITY OF MILWAUKEE
INFRASTRUCTURE SERVICES DIVISION
TRANSPORTATION SECTION - CONSTRUCTION
CHIEF CONSTRUCTION ENGINEER
TONY KOTECKI
AKOTEC@MILWAUKEE.GOV

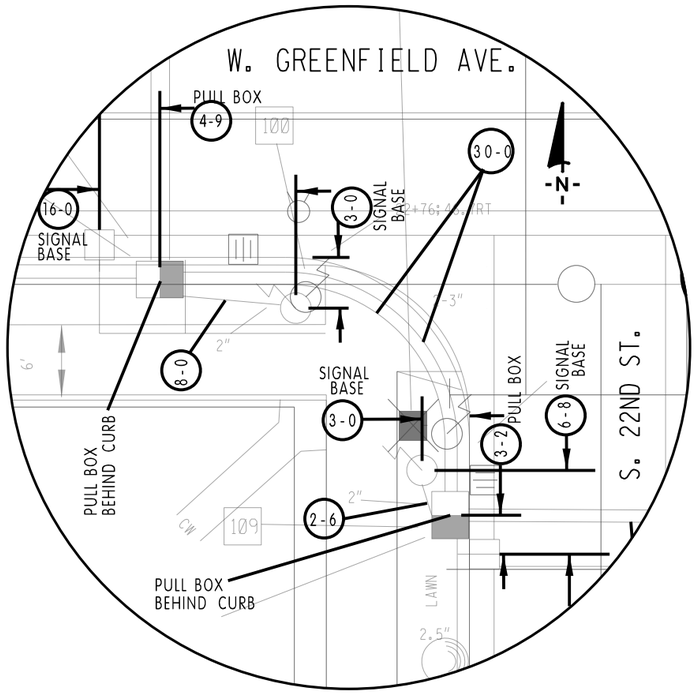
CITY OF MILWAUKEE
DEPARTMENT OF PUBLIC WORKS
STREET LIGHTING SECTION
REVISION BY: jawill REVISION DATE: 3-JUN-2025 08:41
APPROVED REVISION BY: R.BERTRAN APPROVED REVISION DATE: MAY.1-2025

USE RED INK TO DO AS-BUILTS

RECORD RETENTION GUIDELINES:

- CONTRACTOR TO LOCATE AND CLEARLY DIMENSION ALL OF THERE NEWLY INSTALLED CONDUIT RUNS, FITTINGS, SPLICE VAULTS, PULL BOXES, METER PEDESTALS, CONCRETE BASES, TRANSFORMERS, POLES AND OTHER APPURTENANCES IN TWO (2) DIRECTIONS. SWING TIES SHOULD BE MADE FROM OBJECTS THAT ARE PERMANENT IN NATURE AND VISIBLE ON THE FINISHED SURFACE.
- STREET NAMES SHALL BE ON ALL SHEETS.
- SHOW ALL SIZES AND MATERIAL TYPES OF PIPES AND CONDUITS, IF CHANGED OR MODIFIED FROM ORGINAL DESIGN.
- ALL HORIZONTAL DISTANCES SHALL BE SHOWN TO THE NEAREST TENTH OF A FOOT (I.E., 205.3'). ALL VERTICAL DISTANCES SHALL BE SHOWN TO THE NEAREST INCH (I.E. 24").
- SHOW LOCATION AND ELEVATIONS OF PIPES AND FITTINGS WHERE CHANGES OR DEFLECTIONS IN DIRECTION OCCUR.
- SPECIAL DETAIL DRAWINGS WILL BE SUPPLIED WHERE REQUIRED FOR CLARITY.
- DEVIATIONS FROM ORIGINAL PLANS OR STANDARD DETAILS SHALL BE NOTED ON AS-BUILT DRAWINGS.
- IF THERE ARE NO CORRECTIONS OR ADDITIONS TO THE AS-LET PLAN(S) PUT "NO CHANGE" ON THE SHEET.

SUPERVISOR: _____
PROJECT MANAGER: _____
CONTRACTOR LEADER: _____
CONTRACTOR COMPANY: _____
WORK STARTED: _____
WORK COMPLETED: _____



FIELD RECORD EXAMPLE DETAIL NOT TO SCALE

TYPICAL DIMENSIONING OF CONDUIT, PULL BOXES, AND CONCRETE BASES

MEASURING GUIDE LINES

IF CONDUIT IS NOT PLACED DIRECTLY BEHIND THE CURB IN THE ISLANDS & SIDE TERRACE AREAS, A MEASURED DISTANCE FROM THE FACE OF CURB TO THE CONDUIT WILL NEED TO BE PROVIDED.

PROVIDE A MEASURED DISTANCE OF UNINTERRUPTED CONDUIT RUNS

USE PERMANENT OBJECTS LIKE HYDRANTS, CATCH BASINS, OR EVEN CURB FACE LINES EXTENED TO MEASURE OFF WHEN LOCATING CONDUIT, PULL BOXES AND CONCRETE BASES.

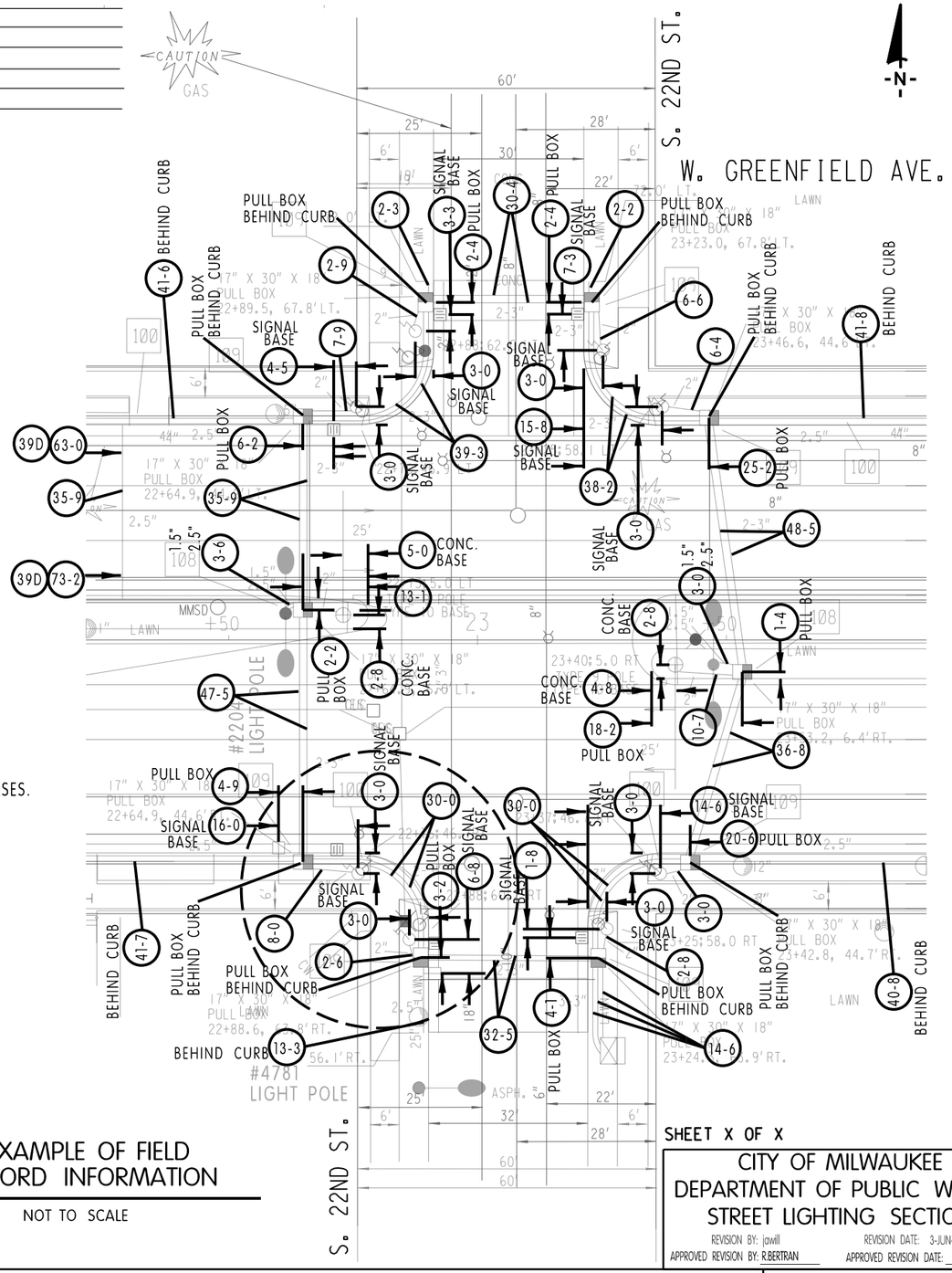
MEASURE TO OR FROM THE CENTERS OF OBJECTS FOR DISTANCE TAKING.

(39D) MEANS = CONDUIT IS 39" DEEP

(48-5) MEANS = LENGTH OF CONDUIT IS 48.5 FT. LONG (MEASURED TO NEAREST TENTH OF A FOOT)

OR

(25-6) MEANS = DISTANCE OF 25.6 FT. BETWEEN PERMANENT OBJECT OR CURB FACE TO CONDUIT, PULL BOX, AND CONCRETE BASE (MEASURED TO NEAREST TENTH OF A FOOT)



EXAMPLE OF FIELD RECORD INFORMATION

NOT TO SCALE

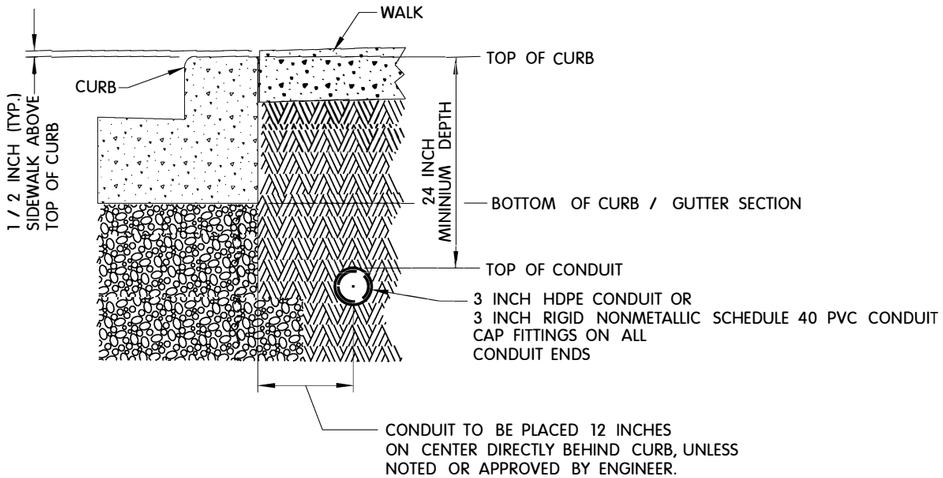
SHEET X OF X

CITY OF MILWAUKEE
DEPARTMENT OF PUBLIC WORKS
STREET LIGHTING SECTION

REVISION BY: jawill REVISION DATE: 3-JUN-2025 08:47
APPROVED REVISION BY: R.BERTRAN APPROVED REVISION DATE: DEC.12-2022

PROJECT NO. 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 56	E

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.

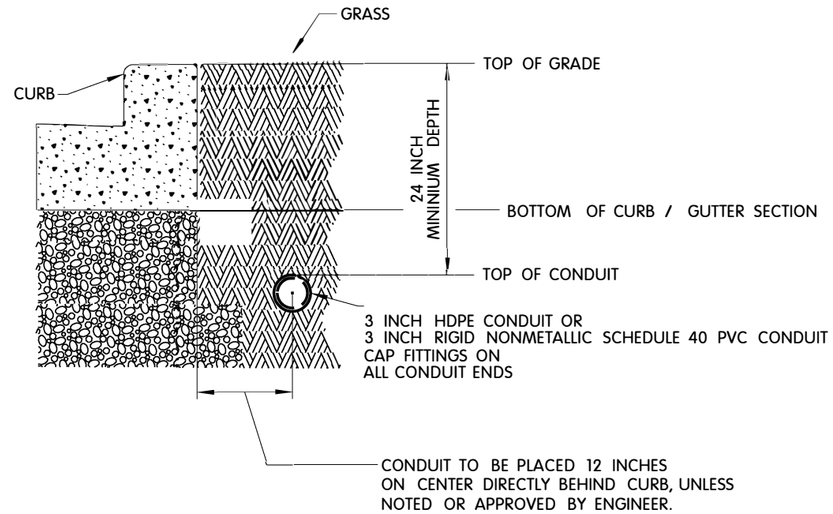


100 DETAIL "A" NOT TO SCALE

TYPICAL CONDUIT INSTALLATION
BEHIND CURB UNDER WALK

NOTE: 1.) KEEP AREA BEHIND CURB FREE OF DEBRIS AND CONCRETE OVERPOUR.

2



100 DETAIL "B" NOT TO SCALE

TYPICAL CONDUIT INSTALLATION
BEHIND CURB IN GRASS AREA

3" SPLIT CONDUIT
SNAP SYSTEM

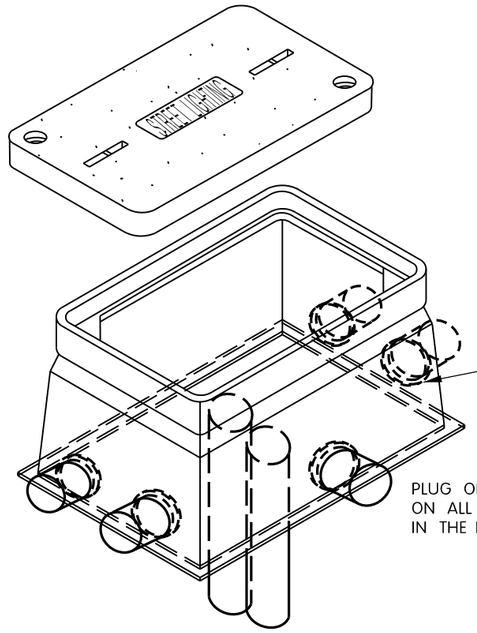


ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES. CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

SHEET X OF X

CITY OF MILWAUKEE
DEPARTMENT OF PUBLIC WORKS
STREET LIGHTING SECTION

REVISION BY: jawill REVISION DATE: 3-JUN-2025 08:40
APPROVED REVISION BY: R.BERTRAN APPROVED REVISION DATE: DEC.14-2023

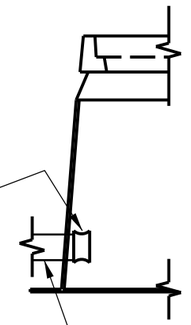


HEAVY DUTY COVER
W/ STREETLIGHTING LOGO
& W / 2 PENTA BOLTS
COLOR: GRAY
TIER 15 RATING (MINIMUM)

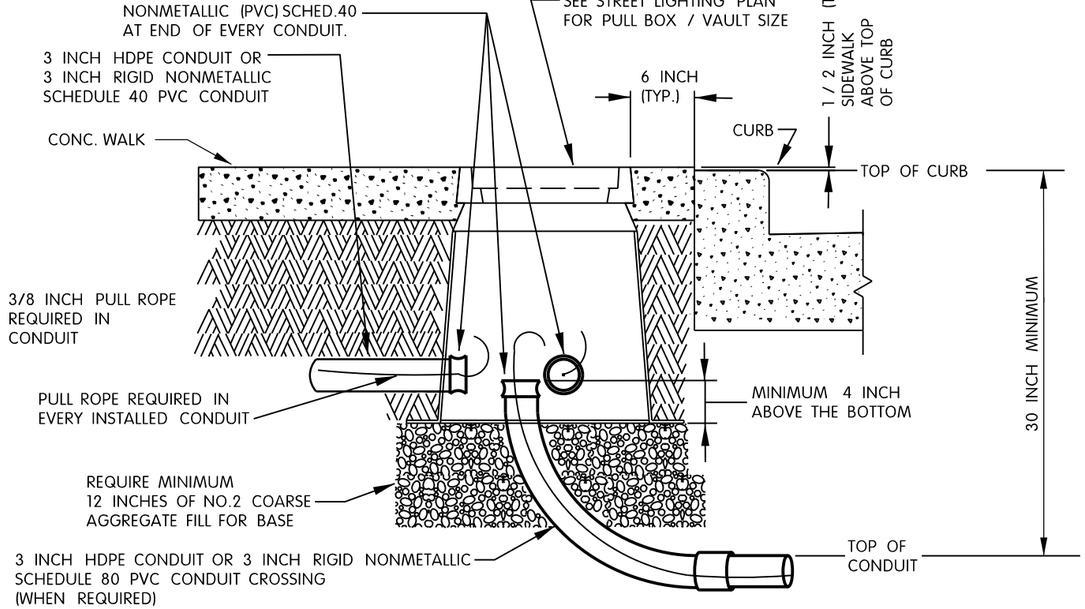
PULL BOX / VAULT
FLARED WALL
BOX W / NO BASE
COLOR: GRAY
TIER 15 RATING (MINIMUM)
(VARIOUS SIZES)

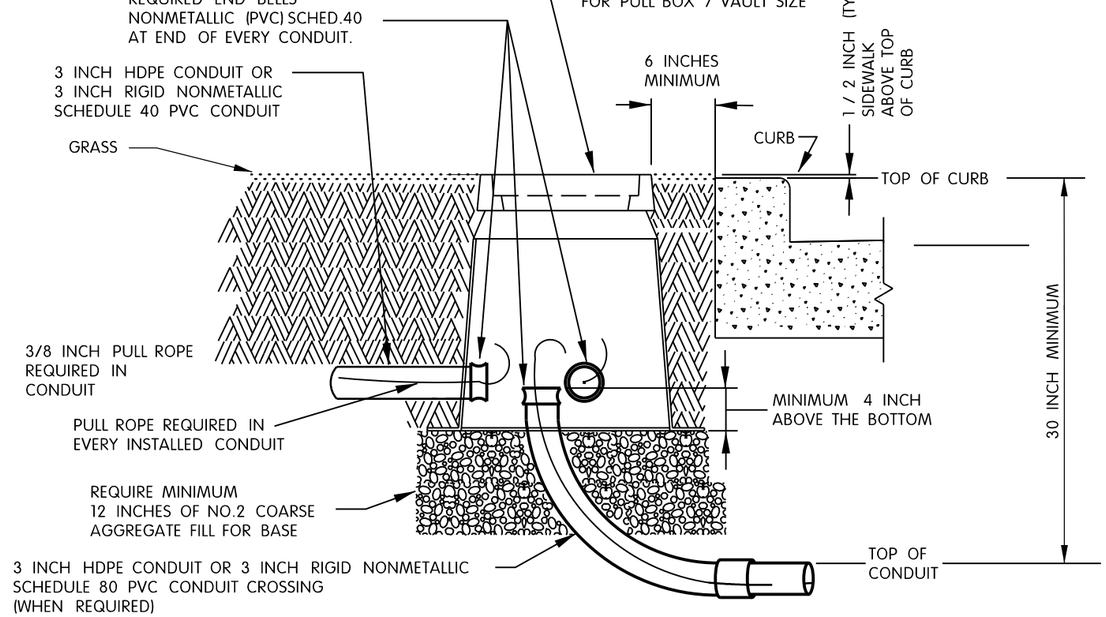
REQUIRED END BELLS
NONMETALLIC (PVC) SCHED.40
AT END OF EVERY CONDUIT.

PLUG OR CAP FITTINGS
ON ALL UNUSED CONDUITS
IN THE ENCLOSURE



3 INCH HDPE OR
3 INCH RIGID NONMETALLIC
SCHEDULE 40 PVC CONDUIT





112 DETAIL — NOT TO SCALE

TYPICAL PULL BOX / VAULT INSTALLATION
IN EITHER PAVEMENT OR GRASS AREAS

ANY DEVIATIONS FROM DETAIL WILL REQUIRE PERMISSION FROM STREET LIGHTING FORCES. CONTACT DISPATCHER AT (414) 286-5944 FOR THE APPROPRIATE SHOP SUPERVISOR.

SHEET X OF X

CITY OF MILWAUKEE
DEPARTMENT OF PUBLIC WORKS
STREET LIGHTING SECTION

REVISION BY: jawill REVISION DATE: 3-JUN-2025 08:55
APPROVED REVISION BY: R.BERTRAN APPROVED REVISION DATE: DEC.13-2023

2

N

W. HOWARD AV.

CITY OF GREENFIELD LIMITS
CITY OF MILWAUKEE LIMITS

S.T.H. 241 (S. 27th ST.)

CITY OF GREENFIELD LIMITS
CITY OF MILWAUKEE LIMITS

EXISTING/NO WORK
#3902
31' ALUMINUM POLE
2EA. 3LED3 LUMINAIRES
2EA. 6' ARMS
4"X4"X36" WIRING PEDESTAL
STA. 1258+10.9;11.1RT

30D

27-6

CITY OF MKE
SL INFRASTRUCTURE
OUTSIDE OF
PROJECT LIMITS

PROTECT AND ADJUST
3" CONDUIT
3#2 / 1#8 LTP
CIR. T6S-D

PROTECT AND ADJUST
13"X24"X24"
PULL BOX
STA. 1258+10.4;57.3RT

GUY POLE

LEGEND

- SL CONDUIT
- SL CABLING
- CITY OF MKE LUMINAIRE
- SL PULL BOX
- SL BALLAST

SUBSTATION T-6-S IS A CABINET LOCATED AT THE INTERSECTION OF STH 241 AND W. LOOMIS RD.
-- ACCESSIBLE VIA SIDEWALK ON EAST SIDE, NORTH OF PARKING LOT AND SOUTH OF DRAIN CANAL

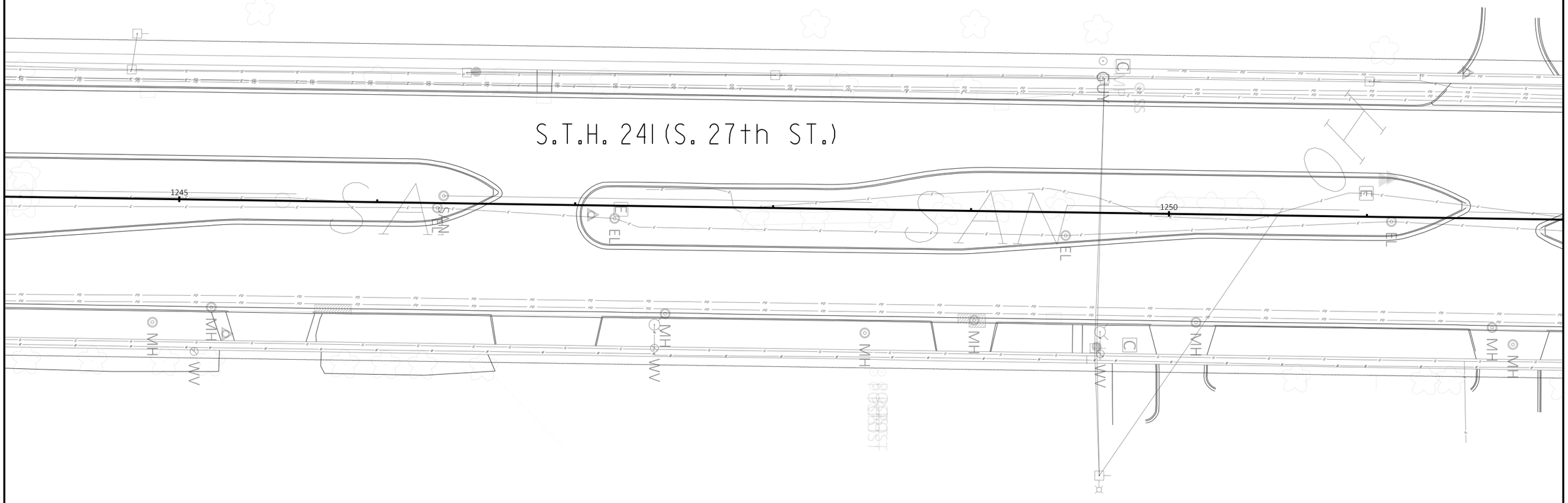
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

SCALE, FEET 0 50

PROJECT NO: 2265–11–72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 59	E

2

N



LEGEND

- SL CONDUIT
- SL CABLING
- CITY OF MKE LUMINAIRE
- SL PULL BOX
- SL BALLAST

CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

SCALE, FEET 0 50

PROJECT NO: 2265–11–72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 60	E

2

N

S.T.H. 241 (S. 27th ST.)

ABANDONED
2.5" PVC CONDUIT
TWO PIECES

EXISTING
2.5" CONDUIT
TWO PIECES

1240

24D → 22-0

26D → 27-0

EXISTING/NO IMPACT
2" CONDUIT
1#8 CONCENTRIC WIRING
1'6 BACK OF WALK
CIRCUIT T55S-3

PROTECT AND ADJUST
#2633
5G POLE
6' ARM
1S2V LUMINAIRE
STA. 1240+9.4;84.2RT

PROTECT AND ADJUST
1 #8 CONCENTRIC CABLE
CIRCUIT T55S-3

W. PLAINFIELD

GUY POLE

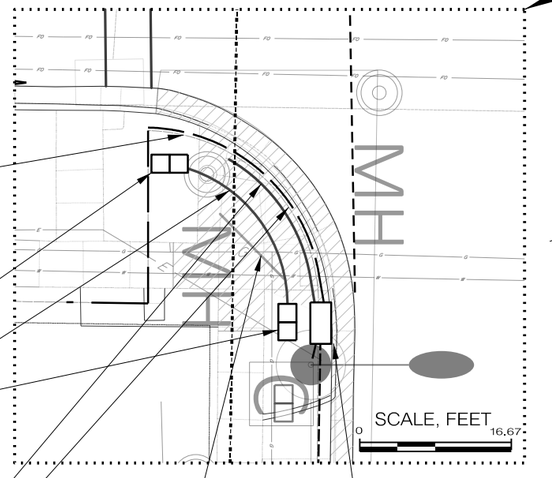
[112] INSTALL
13"X24"X24" PULL BOX
STA. 1240+67.3;57.6RT

[100] 53' OF 3" HDPE CONDUIT
CONNECT INTO NEW PULL BOXES

[112] 13"X24"X24" PULL BOX
STA. 1240+48.8;79.6RT

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

DETAIL 'A'



[100] INSTALL
SPLIT DUCT CONDUIT
AROUND ANY EXPOSED
DIRECT-BURIED WIRING

[112] INSTALL
13"X24"X24" PULL BOX
STA. 1239+94.7;62.1RT

[100] 22' OF 3" HDPE CONDUIT
CONNECT INTO NEW PULL BOXES

[112] 13"X24"X24" PULL BOX
STA. 1240+8.0;79.6RT

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

PROTECT AND ADJUST
2.5" CONDUIT
1#8 CONCENTRIC CABLE
CIRCUIT T55S-3

ABANDONED
10' CONDUIT

PROTECT AND ADJUST
100W BALLAST
STA. 1240+10.5;79.6RT

SUBSTATION T-55-S IS A CABINET LOCATED AT THE INTERSECTION OF S. 21ST ST AND W. VAN NORMAN AVE. -- ACCESSIBLE VIA SIDEWALK ON SOUTH SIDE OF W. VAN NORMAN AVE.

CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS. FIELD CONDITIONS MAY VARY.

LEGEND

- SL CONDUIT
- SL CABLING
- CITY OF MKE LUMINAIRE
- SL PULL BOX
- SL BALLAST

SCALE, FEET 0 50

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 61	E

2

2

N

W. COLDSPRING RD.

S.T.H. 241 (S. 27th ST.)

W. BOLIVAR AV.

PROTECT AND ADJUST
2.5" CONDUIT
1#8 CONCENTRIC CABLE
CIRCUIT T55S-2

EXISTING/NO WORK
2" CONDUIT
1#8 CONCENTRIC WIRING
AT WALK
CIRCUIT T55S-2

INSTALL
13"X24"X24" PULL BOX
STA. 1231+69.7;59.4RT 112

35' OF 3" HDPE CONDUIT
CONNECT INTO NEW PULL BOXES 100

13"X24"X24" PULL BOX
STA. 1231+88.0;82.2RT 112

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

EXISTING
2.5" CONDUIT

PROTECT AND ADJUST
2" CONDUIT
1#8 CONCENTRIC CABLE
CIRCUIT T55S-3
1'6" BACK OF WALK (SOUTH)

112 INSTALL
13"X24"X24" PULL BOX
STA. 1232+60.9;82.2RT

100 INSTALL
35' OF 3" HDPE CONDUIT
CONNECT INTO NEW PULL BOXES

EXISTING/NO WORK
2" CONDUIT
1#8 CONCENTRIC CABLE
1'6" BACK OF WALK
CIRCUIT T55S-2

112 INSTALL
13"X24"X24" PULL BOX
STA. 1232+83.7;57.6RT

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

PI: 1232+24.22

1230

1235

LEGEND

- SL CONDUIT
- SL CABLING
- CITY OF MKE LUMINAIRE
- SL PULL BOX
- SL BALLAST

SCALE, FEET 0 50

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 62	E

2

N

W. BOTTSFORD AV.

S.T.H. 241 (S. 27th ST.)

W. WHITAKER AV.

1225

PROTECT AND ADJUST
2" CONDUIT
1#8 CONCENTRIC CABLE
CIRCUIT T55S-2
1-6 BACK OF WALK

INSTALL
13"X24"X24" PULL BOX
STA. 1228+9.2;62.1RT

100 38' OF 3" HDPE CONDUIT
CONNECT INTO NEW PULL BOXES

112 13"X24"X24" PULL BOX
STA. 1227+81.4;81.4RT

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

INSTALL 100
SPLIT DUCT CONDUIT
AROUND ANY EXPOSED
DIRECT-BURIED WIRING

100 INSTALL
SPLIT DUCT CONDUIT
AROUND ANY EXPOSED
DIRECT-BURIED WIRING

PROTECT AND ADJUST
2.5" CONDUIT
2#8 CONCENTRIC CABLE
CIRCUIT T55S-1
BLACK AND WHITE WIRE

INSTALL
13"X24"X24" PULL BOX 112
STA. 1227+15.7;61.1RT

38' OF 3" HDPE CONDUIT 100
CONNECT INTO NEW PULL BOXES

13"X24"X24" PULL BOX 112
STA. 1227+39.6;83.5RT

PULL BOXES TO BE INSTALLED
OUTSIDE OF CONCRETE RAMPS

PROTECT AND ADJUST
2#8 FS WIRE
2.5" CONDUIT
CIRCUIT T55S-1

SUBSTATION T-55-S IS A CABINET LOCATED AT THE INTERSECTION OF S. 21ST ST AND W. VAN NORMAN AVE.
-- ACCESSIBLE VIA SIDEWALK ON SOUTH SIDE OF W. VAN NORMAN AVE.

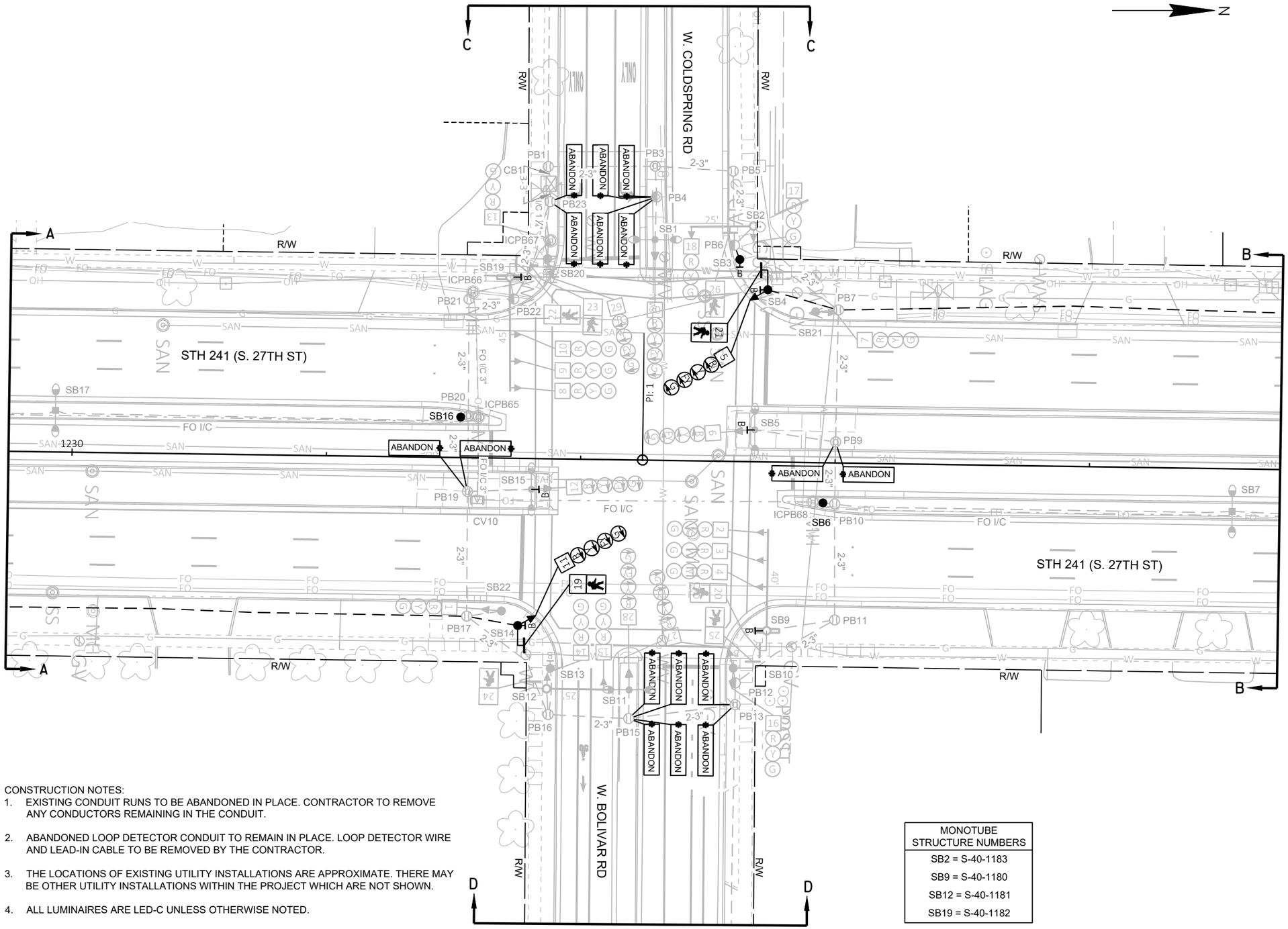
CONTACT CITY OF MILWAUKEE BES FOR LOCKOUT/TAGOUT OF DISTRIBUTION CENTERS.
FIELD CONDITIONS MAY VARY.

LEGEND

- SL CONDUIT
- SL CABLING
- CITY OF MKE LUMINAIRE
- SL PULL BOX
- SL BALLAST

SCALE, FEET 0 50

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	STREET LIGHTING DETAILS	SHEET 63	E



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- 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
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (V) COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

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. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
5. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.

MONOTUBE STRUCTURE NUMBERS
SB2 = S-40-1183
SB9 = S-40-1180
SB12 = S-40-1181
SB19 = S-40-1182

TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. COLDSPRING RD/
W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153

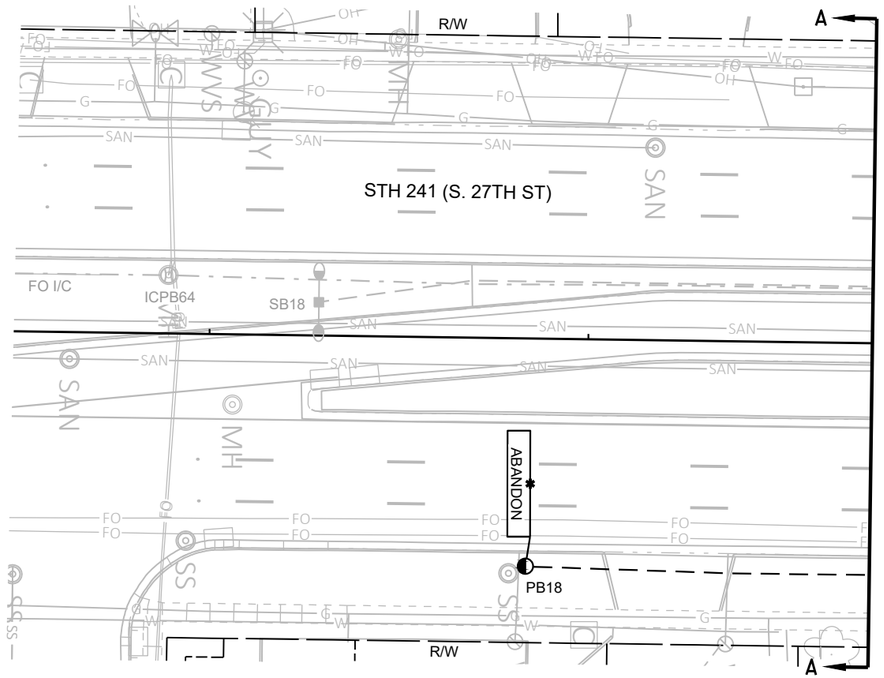
REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

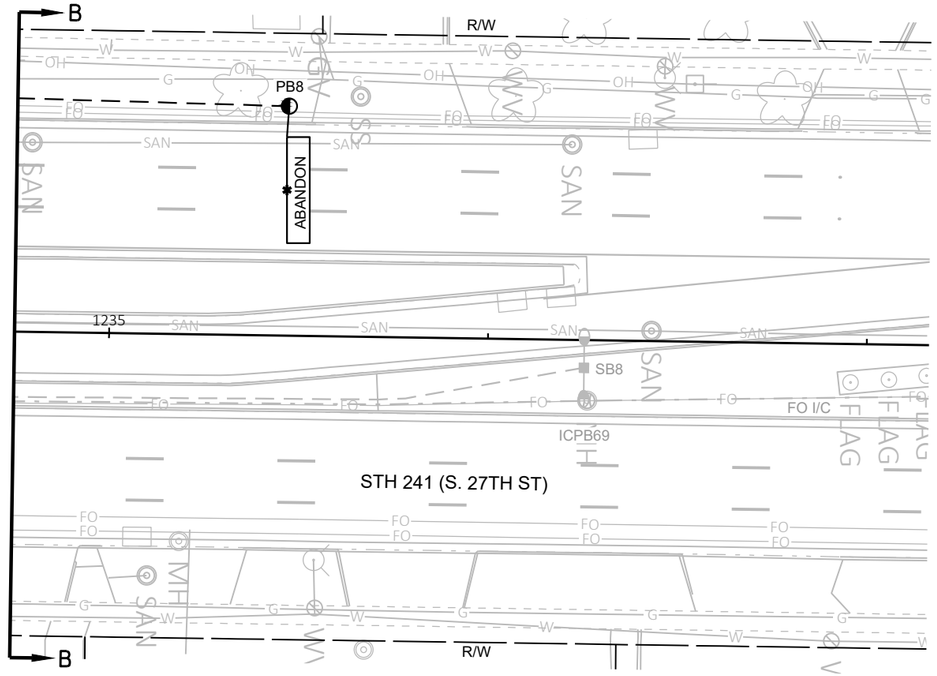
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 64	E

FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2 - REMOVAL.DWG
LAYOUT NAME - S40-1153_R2_pg1
PLOT DATE : 4/22/2025 2:20 PM
PLOT BY : DERRIN WOLFORD
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

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TRAFFIC CONTROL SIGNAL

STH 241 (S. 27TH ST) & W. COLDSPRING RD/
W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 3

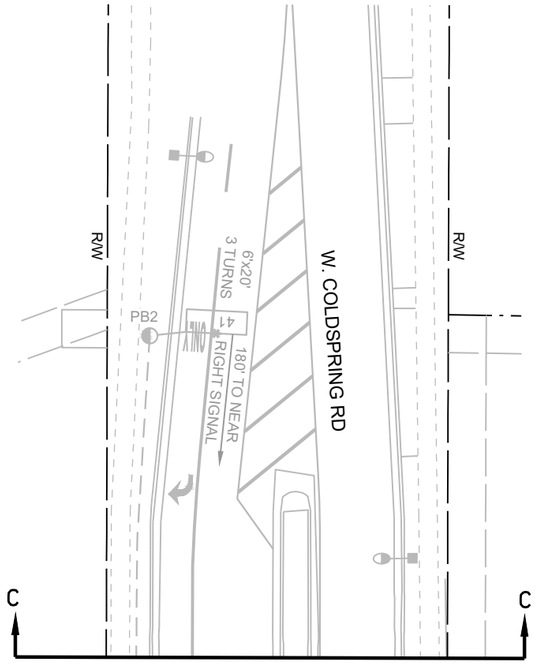
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 65	E

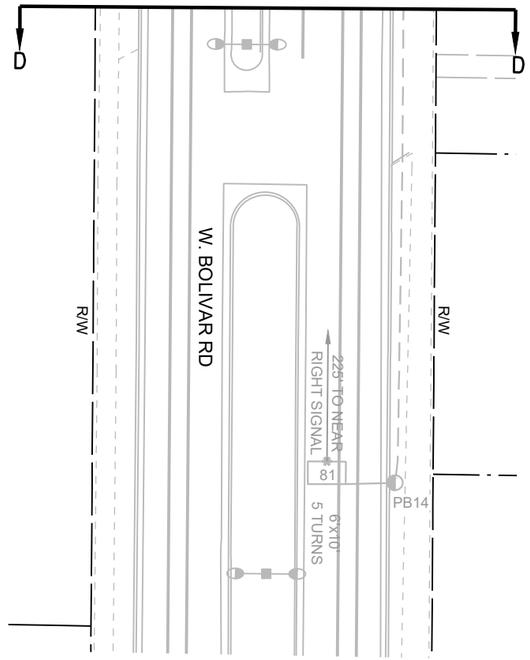
FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2 - REMOVAL.DWG
LAYOUT NAME - S40-1153_R2_pg2

PLOT DATE : 4/22/2025 2:21 PM PLOT BY : DERRIN WOLFORD PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

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TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. COLDSPRING RD/
W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

PAGE 3 OF 3

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 66	E

FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2 - REMOVAL.DWG
LAYOUT NAME - S40-1153_R2_pg3

PLOT DATE : 4/22/2025 2:22 PM PLOT BY : DERRIN WOLFORD PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

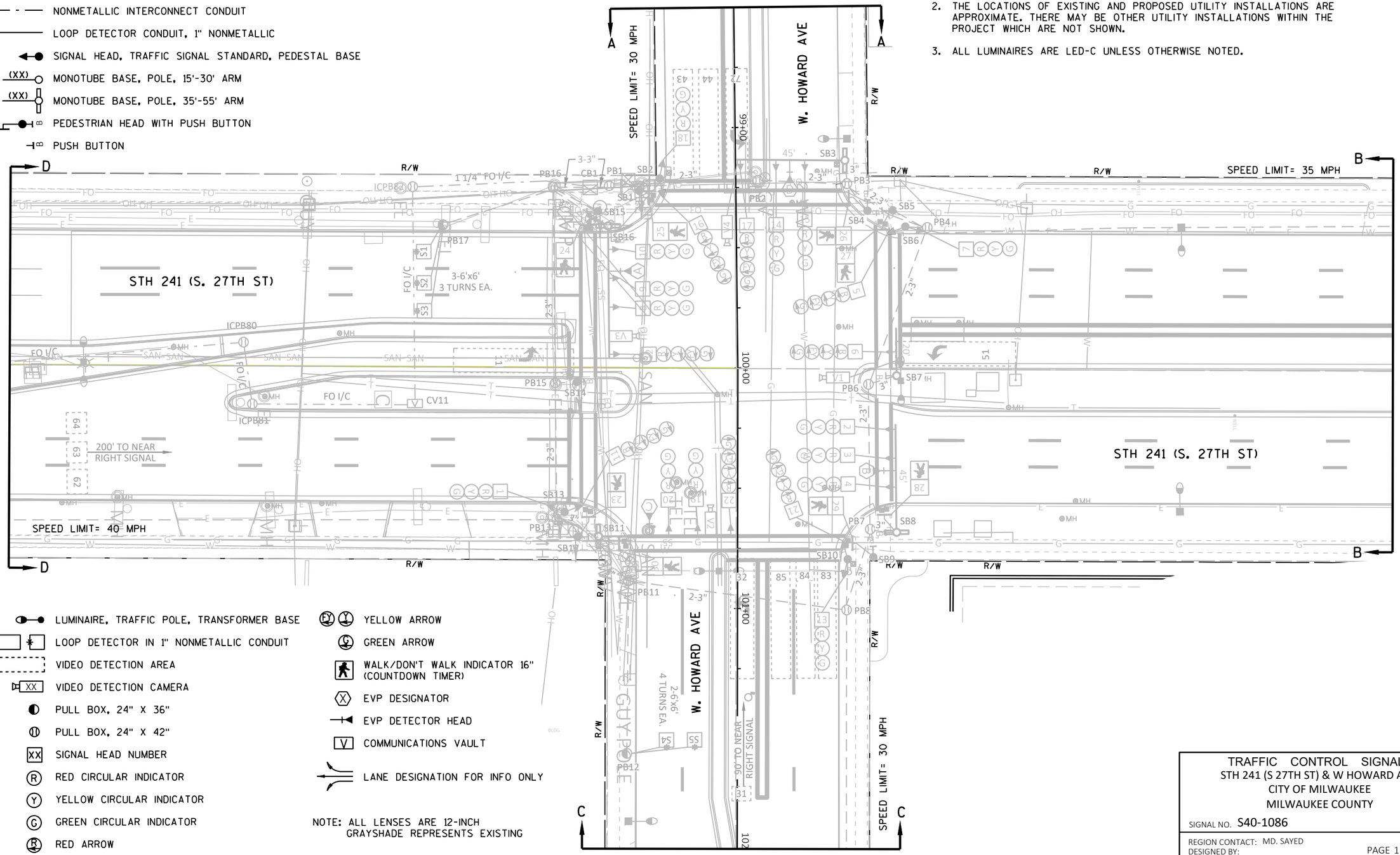
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

N



- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- XX VIDEO DETECTION CAMERA
- 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
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 241 (S 27TH ST) & W HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086

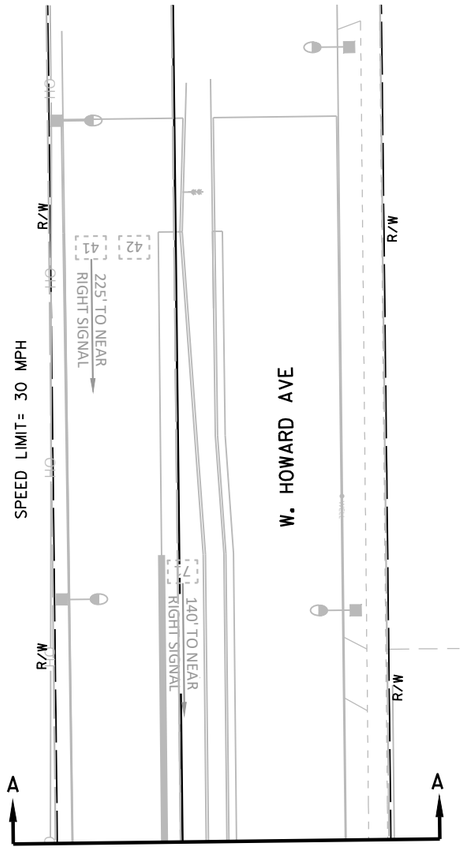
REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

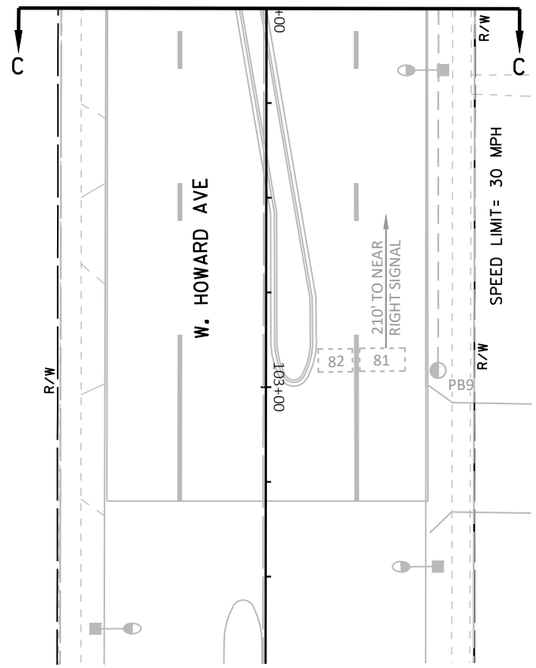
PROJECT NO: 2265-11-72	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 67	E

FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_RM_18.DWG
LAYOUT NAME - S40-1086_RM_PG1
PLOT DATE : 6/12/2025 11:13 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

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TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

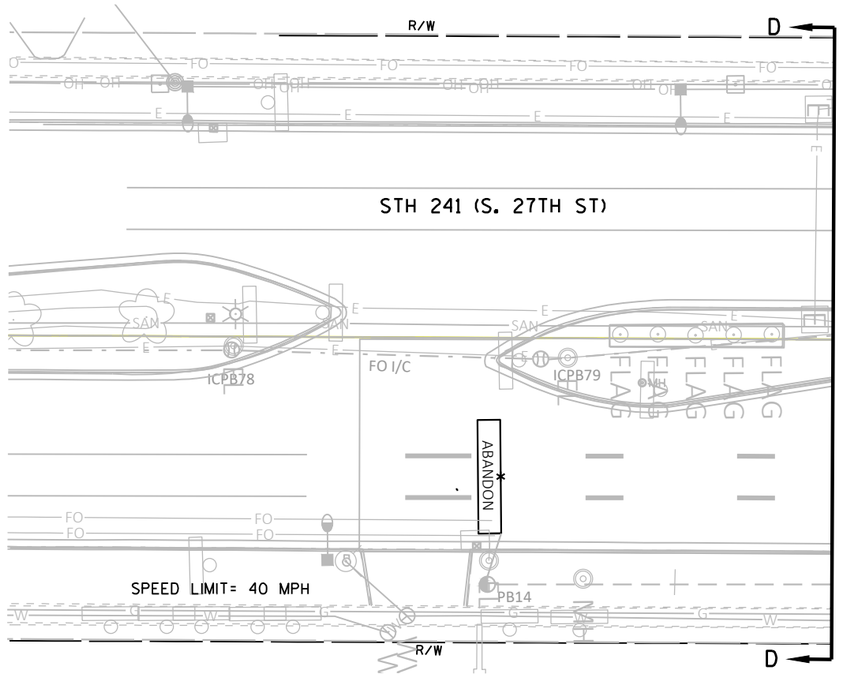
PAGE 2 OF 4

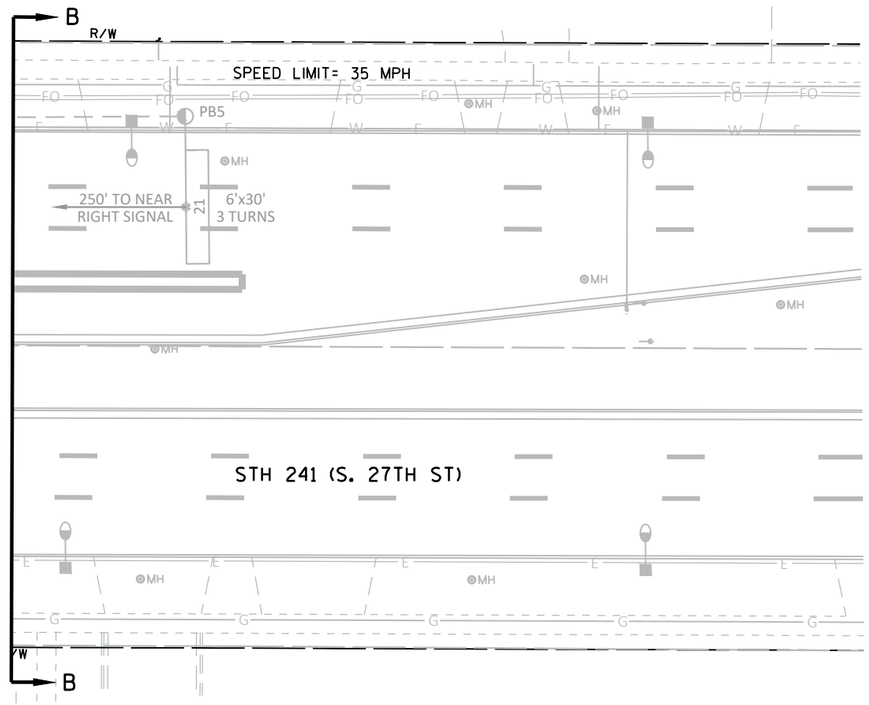
PROJECT NO: 2265-11-72	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 68	E

FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_RM_18.DWG
LAYOUT NAME - S40-1086_RM_PG2
PLOT DATE : 6/12/2025 11:13 AM
PLOT BY : WAGNER, SCOTT H
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

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TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086

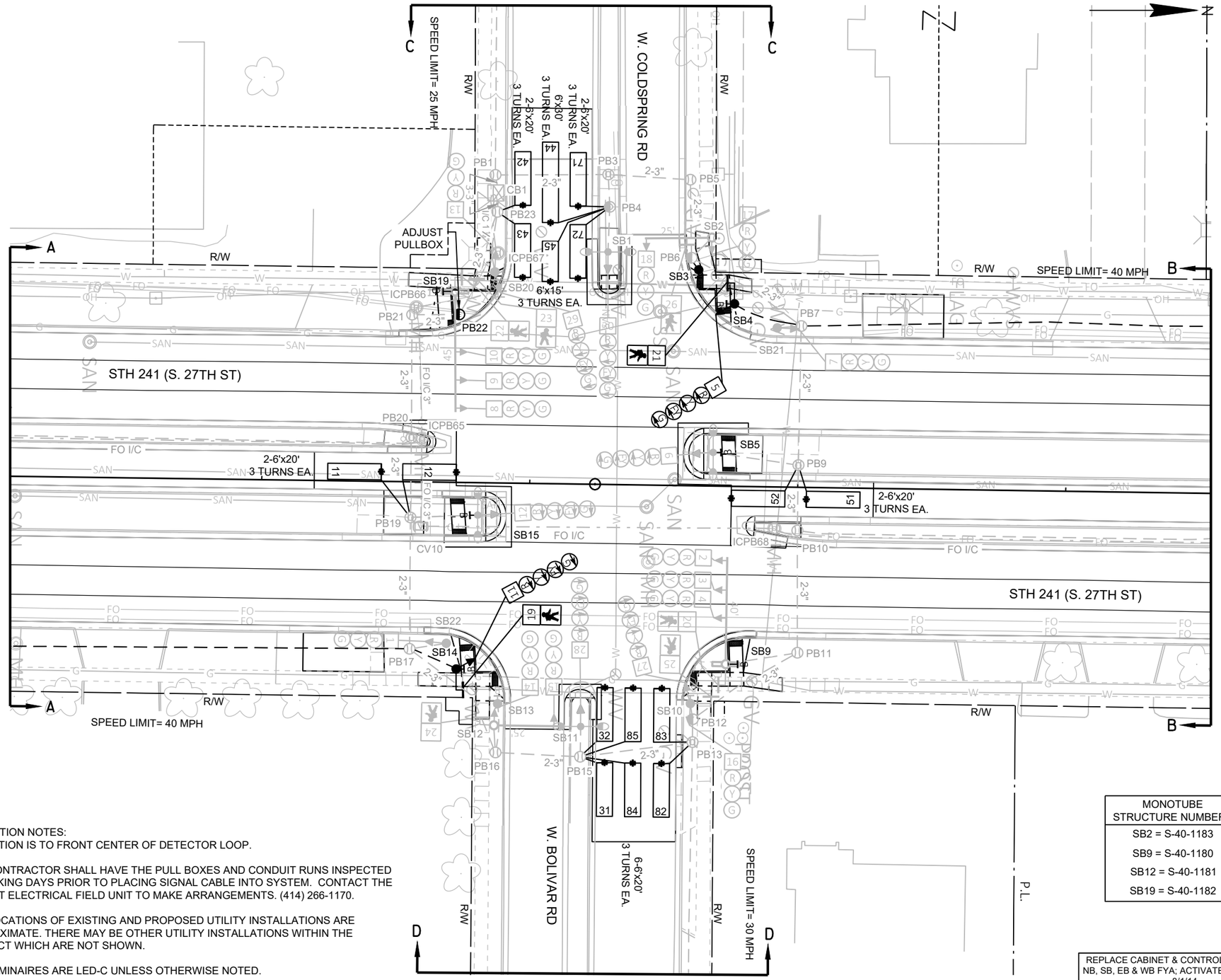
REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 3 OF 4

PROJECT NO: 2265-11-72	HWY: STH 100	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 69	E

FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_RM_18.DWG
LAYOUT NAME - S40-1086_RM_PG3

PLOT DATE : 6/12/2025 11:13 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : ##########



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- 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
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS
SB2 = S-40-1183
SB9 = S-40-1180
SB12 = S-40-1181
SB19 = S-40-1182

REPLACE CABINET & CONTROLLER; INSTALL NB, SB, EB & WB FYA; ACTIVATE PHASES 3 & 7 8/1/14

RECONSTRUCT SIGNAL 12/18/09

REVISION				
REV. NO.	REPLACE ALL STOP BAR LOOPS, REPLACE PHASE 2 & 6 ADVANCE LOOPS, RELOCATE POLES FOR NEW CURB RAMPS, UPDATE DETECTOR LOOP ASSIGNMENTS			
	APPROVAL RECOMMENDED		APPROVED	
2	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. COLDSPRING RD/ W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 6/26/74 — ROBERT I. MOE, REGION TRAFFIC ENGINEER

APPROVED
DATE 6/26/74 — WAYNE N. VOLK, STATE TRAFFIC ENGINEER

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

PAGE 1 OF 4

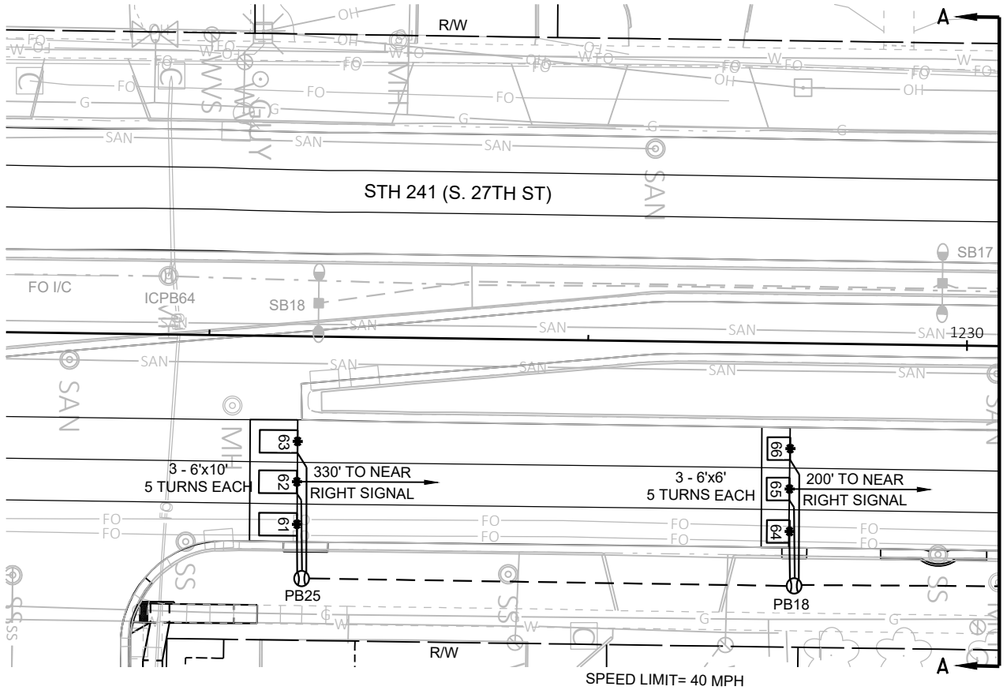
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 70	E

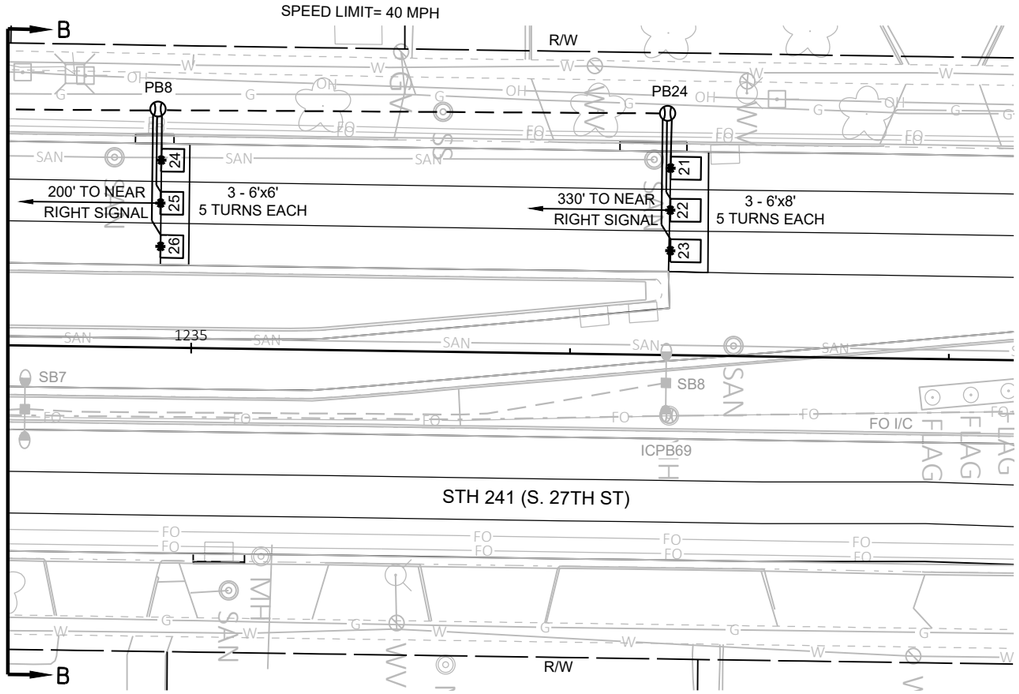
FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2.DWG
LAYOUT NAME - S40-1153_R2_pg1
PLOT DATE : 3/5/2025 12:00 PM
PLOT BY : DERRIN WOLFORD
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. COLDSPRING RD/
W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153

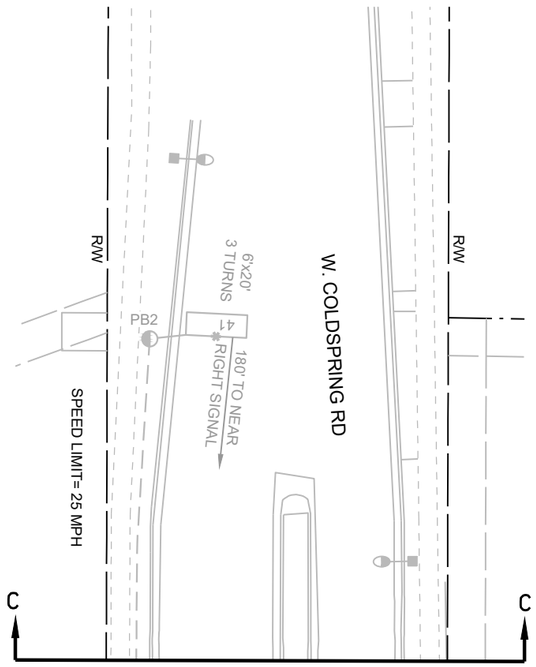
REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

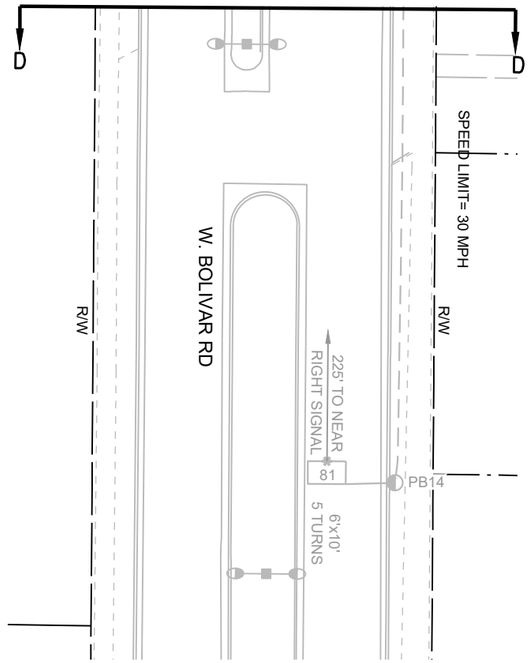
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 71	E

FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2.DWG
LAYOUT NAME - S40-1153_R2_pg2

PLOT DATE : 3/5/2025 12:00 PM PLOT BY : DERRIN WOLFORD PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. COLDSPRING RD/
W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1153

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: TADI

PAGE 3 OF 4

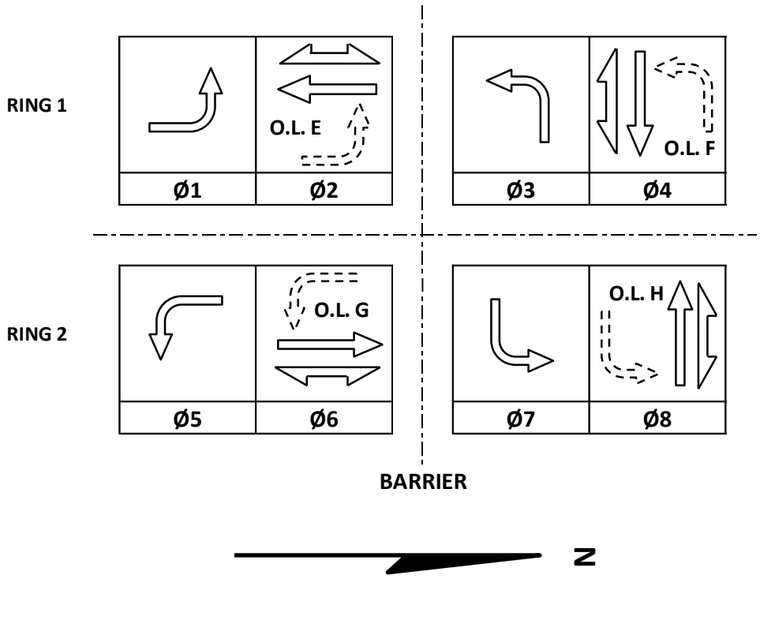
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 72	E

FILE NAME : Z:\SHARED\WI\3074 STH 241 AT COLDSPRING\CAD\S40-1153_R2.DWG
LAYOUT NAME - S40-1153_R2_pg3

PLOT DATE : 3/5/2025 12:00 PM PLOT BY : DERRIN WOLFORD PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6	-
Ø2	7,8,9,10	R
Ø3	29,30	-
Ø4	13,14,15	R
Ø5	11,12	-
Ø6	1,2,3,4	R
Ø7	27,28	-
Ø8	16,17,18	R
Ø2P	21,22	
Ø4P	23,24	
Ø6P	19,20	
Ø8P	25,26	
OLE	5,6	R ←
OLF	29,30	R ←
OLG	11,12	R ←
OLH	27,28	R ←



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 40-0022

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	25	31	41	43	45	52	62	64	66	72	82	84		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	3	4	4	4	5	6	6	6	7	8	8		CALLED PHASE
CALL OPTION	X	X	X	X	X		X	X	X	X	X	X	X	X	X		CALL OPTION
DELAY TIME							X							X			DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		EXTENTION OPTION
EXTEND TIME						X											EXTEND TIME
USE ADDED INITIAL		X	X	X						X	X	X					USE ADDED INITIAL
CROSS SWITCH PHASE	2				4				6				8				CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	26	32	42	44	51	61	63	65	71	81	83	85		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	3	4	4	5	6	6	6	7	8	8	8		CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X	X		X	X		CALL OPTION
DELAY TIME						X								X			DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		EXTENTION OPTION
EXTEND TIME													X				EXTEND TIME
USE ADDED INITIAL		X	X	X					X	X	X						USE ADDED INITIAL
CROSS SWITCH PHASE	2				4			6				8					CROSS SWITCH PHASE

STH 241 (S. 27TH ST) & W. COLDSPRING RD/W. BOLIVAR RD
CITIES OF GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1153 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 8/25 PAGE NO. 4 OF 4

FILE NAME : Z:\Shared\WI\3074 STH 241 at Cold Spring\Econolite SEQ.pptm PLOT DATE : 8/7/2025 2:00PM PLOT BY : WOLFORD, DERRIN PLOT NAME : _____ PLOT SCALE : 1:1

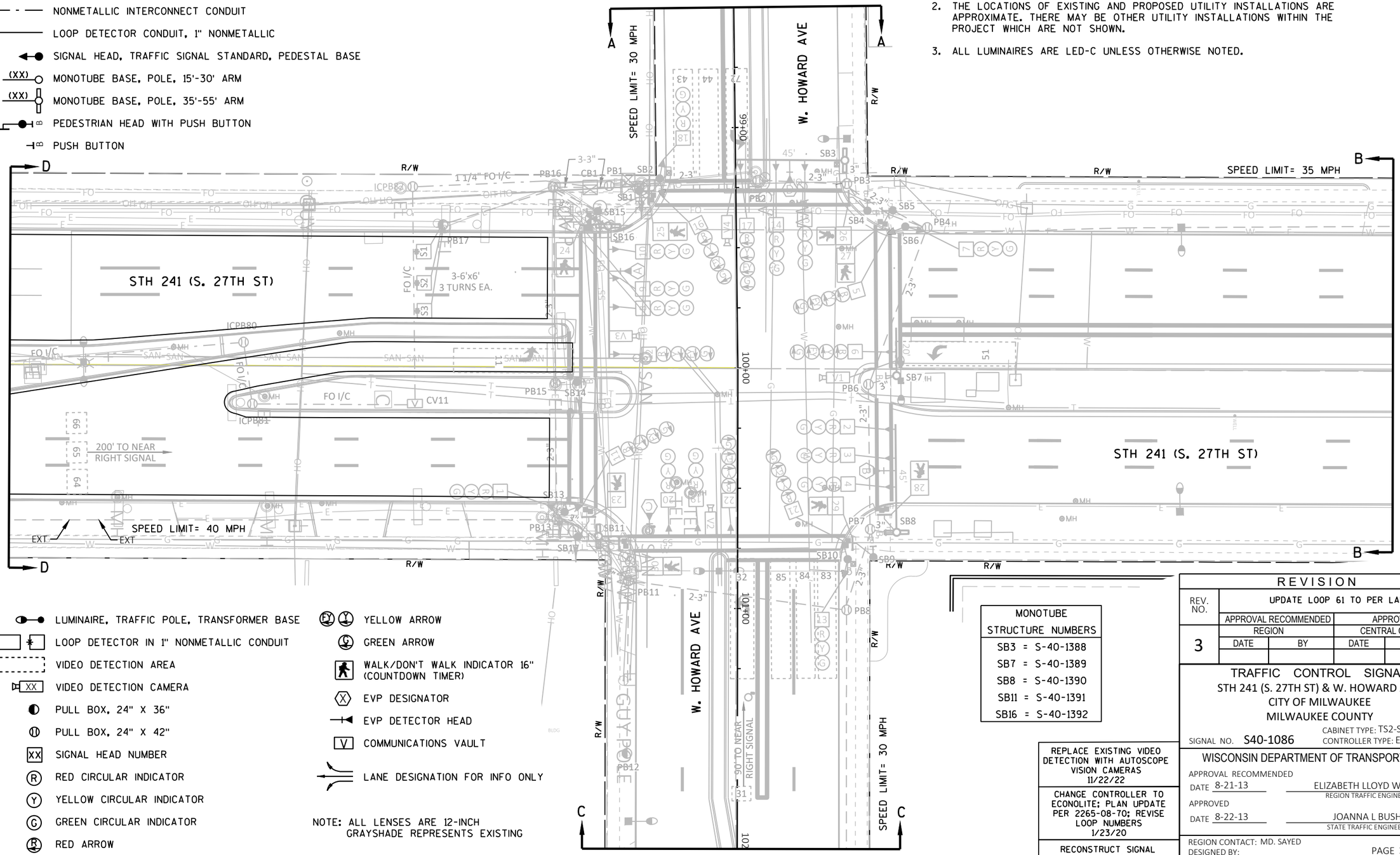
LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

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- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- VIDEO DETECTION AREA
- XX VIDEO DETECTION CAMERA
- 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
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS
SB3 = S-40-1388
SB7 = S-40-1389
SB8 = S-40-1390
SB11 = S-40-1391
SB16 = S-40-1392

REPLACE EXISTING VIDEO DETECTION WITH AUTOSCOPE VISION CAMERAS 11/22/22

CHANGE CONTROLLER TO ECONOLITE; PLAN UPDATE PER 2265-08-70; REVISE LOOP NUMBERS 1/23/20

RECONSTRUCT SIGNAL 8-22-13

REVISION

REV. NO.	UPDATE LOOP 61 TO PER LANE			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
3	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8-21-13 ELIZABETH LLOYD WEISS
REGION TRAFFIC ENGINEER

APPROVED
DATE 8-22-13 JOANNA L BUSH
STATE TRAFFIC ENGINEER

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 1 OF 4

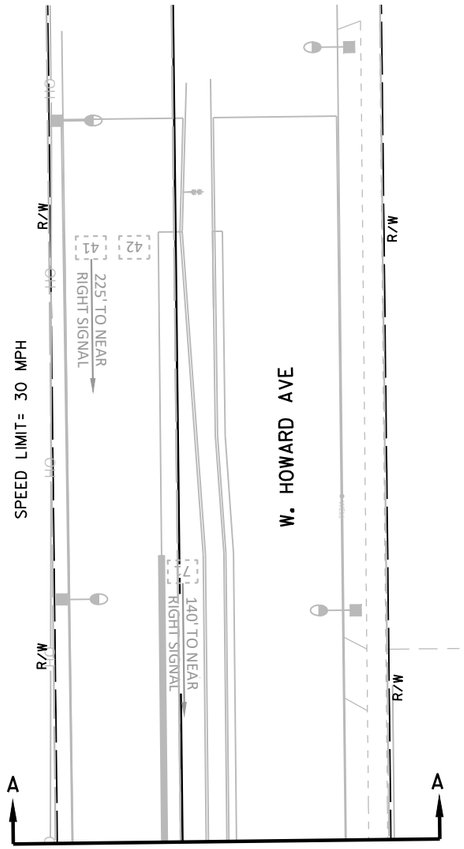
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 74	E

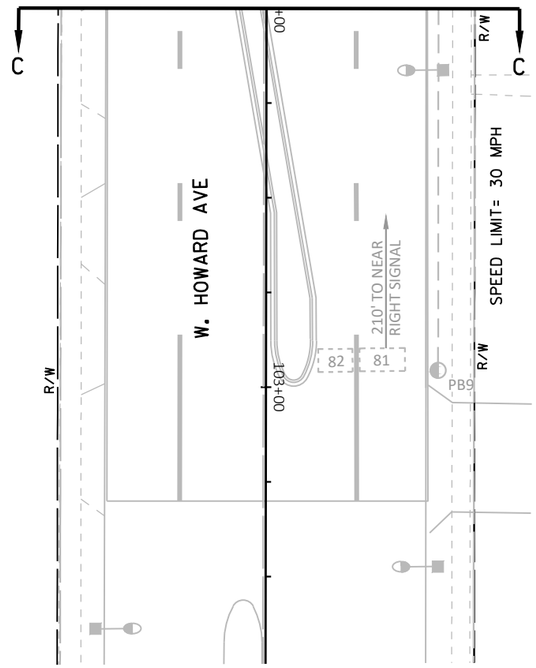
FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_R3_18.DWG
LAYOUT NAME - S40-1086_R3_PG1
PLOT DATE : 9/3/2025 9:20 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 2 OF 4

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 75	E

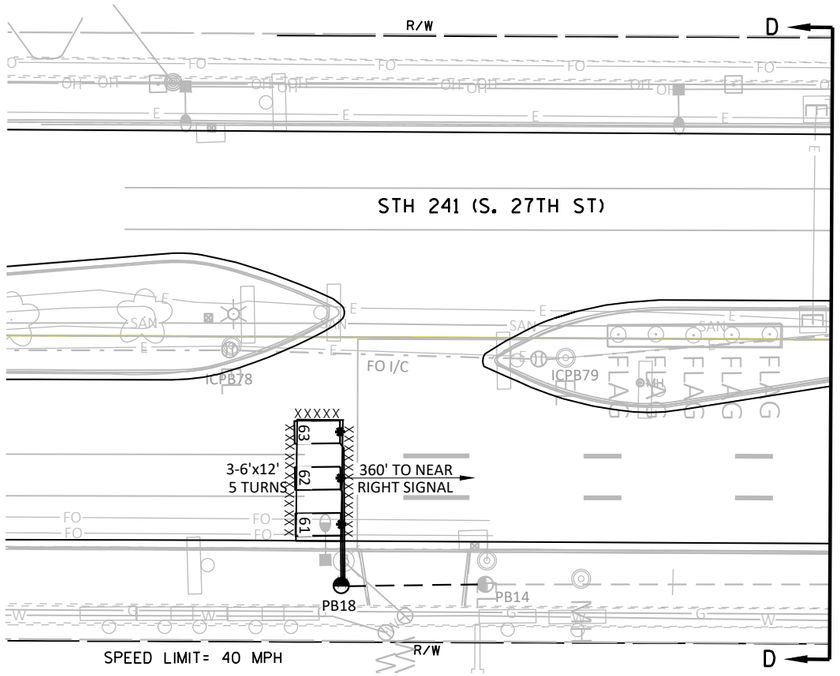
FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_R3_18.DWG
LAYOUT NAME - S40-1086_R3_PG2

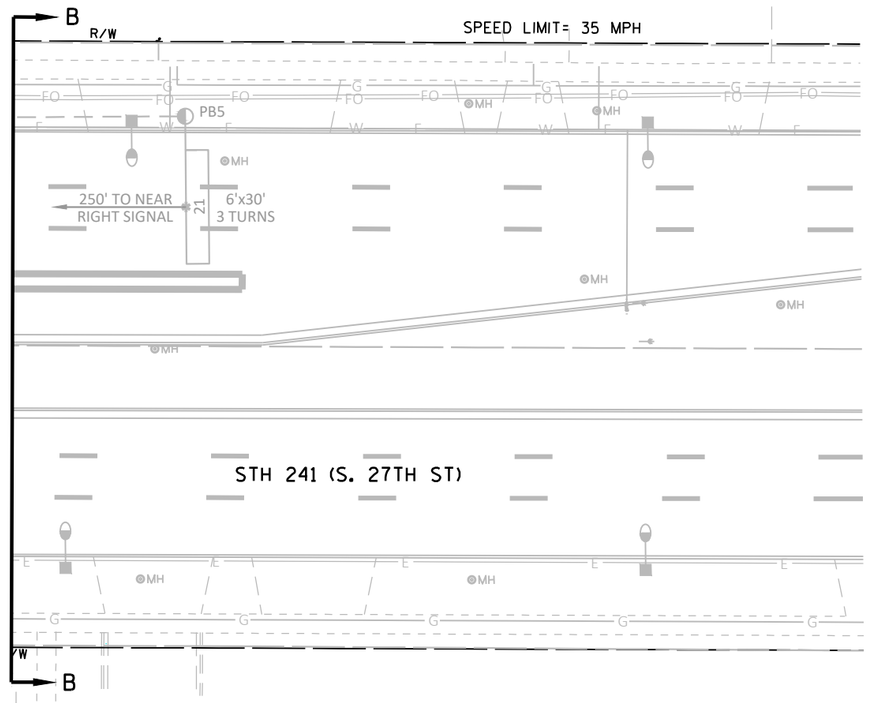
PLOT DATE : 6/12/2025 2:45 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1086

REGION CONTACT: MD. SAYED
DESIGNED BY:
REVISED BY: S. WAGNER

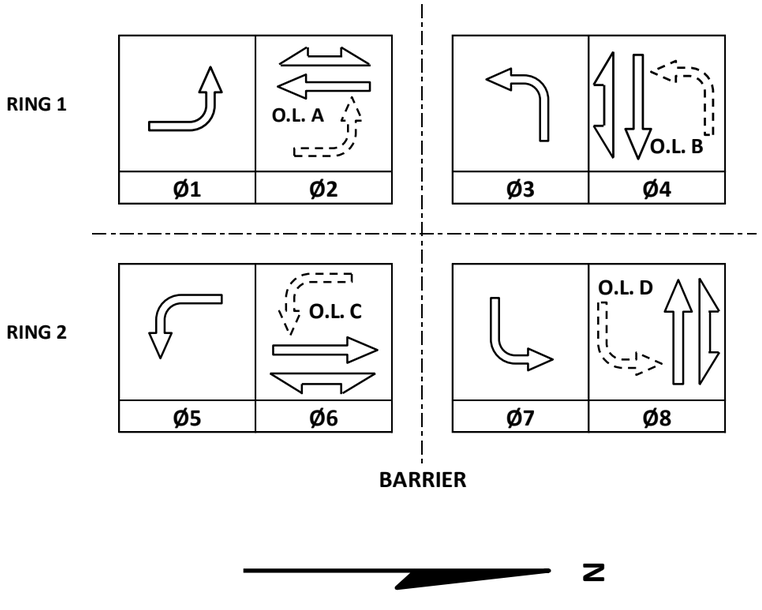
PAGE 3 OF 4

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 76	E

FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_R3_18.DWG
LAYOUT NAME - S40-1086_R3_PG3

PLOT DATE : 9/3/2025 9:20 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	5,6	-
Ø2	7,8,9,10	R
Ø3	16,17	-
Ø4	18,19,20	R
Ø5	11,12	-
Ø6	1,2,3,4	R
Ø7	21,22	-
Ø8	13,14,15	R
Ø2P	25,26	
Ø4P	23,24	
Ø6P	29,30	
Ø8P	27,28	
OLA	5,6	R ←
OLB	16,17	R ←
OLC	11,12	R ←
OLD	21,22	R ←



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 40-0022

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

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
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	63			S1	S3	
CALLED PHASE	2	6	6					
CALL OPTION	X	X	X					
DELAY TIME								
EXTENTION OPTION	X	X	X					
EXTEND TIME								
USE ADDED INITIAL	X	X	X					
CROSS SWITCH PHASE								

19	17	23	21	27	25	31	29
42	11	72	62	43	31	81	64
4	1	8	6	4	3	8	6
	X	X	X	X			X
				X			
X	X	X	X	X	X	X	X
					X	X	
			X				X
	2	7					

35	33	39	37	43	41	47	45	DETECTOR INPUT
65	84							PLAN LOOP DETECTOR*(S)
6	8							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
X								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)		62				S2		
CALLED PHASE		6						
CALL OPTION		X						
DELAY TIME								
EXTENTION OPTION		X						
EXTEND TIME								
USE ADDED INITIAL		X						
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30
44	32	82	64	51	41	83	71
4	4	8	6	5	4	8	7
X	X		X	X		X	
						X	
X	X	X	X	X	X	X	X
		X			X		X
			X				
	3			6			

36	34	40	38	44	42	48	46	DETECTOR INPUT
66	85							PLAN LOOP DETECTOR*(S)
6	8							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
X								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 241 (S. 27TH ST) & W. HOWARD AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1086 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 6/25 PAGE NUMBER: 4 OF 4

FILE NAME: C:\BoxDrvBox\DTSD\DTSD-SER\OPS\Traffic\Signals\Projects\2265-11-02_72 STH 241(Howard-Bottsford)\Draft PS&E Plans\Howard Ave\TS2-S_FYA_ABCD_Econolite_SEQ.xlsx PLOT DATE: 6/12/2025 PLOT NAME: TS2-S_FYA_ABCD_Econolite_SEQ.xlsx PLOT BY: WOLFORD, DERRIN PLOT SCALE: 1:1

PROJECT ID:	2265-11-72
INTERSECTION:	STH 241 (S. 27TH ST) & W. COLDSPRING RD/W. BOLIVAR RD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED NEUTRAL	PED INPUT
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB3		7	B											WHT/BLK
SB4		12	5				RED	ORG	BLK/WHT	GRN				
			21								BLK	BLU		
			B											WHT/BLK
SB5		12 (EXISTING)	6				RED	ORG	BLK/WHT	GRN				
			B											WHT/BLK
SB9		12 (EXISTING)	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
			11											
			20								BLK	BLU		
			B											WHT/BLK
SB14		12	11				RED	ORG	BLK/WHT	GRN				
			19								BLK	BLU		
			B											WHT/BLK
SB15		12 (EXISTING)	12				RED	ORG	BLK/WHT	GRN				
			B											WHT/BLK
SB19		12 (EXISTING)	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			22								BLK	BLU		
			B											WHT/BLK

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
SB2	SB3
SB3	SB4
SB4	SB21
SB13	SB14
SB14	SB15

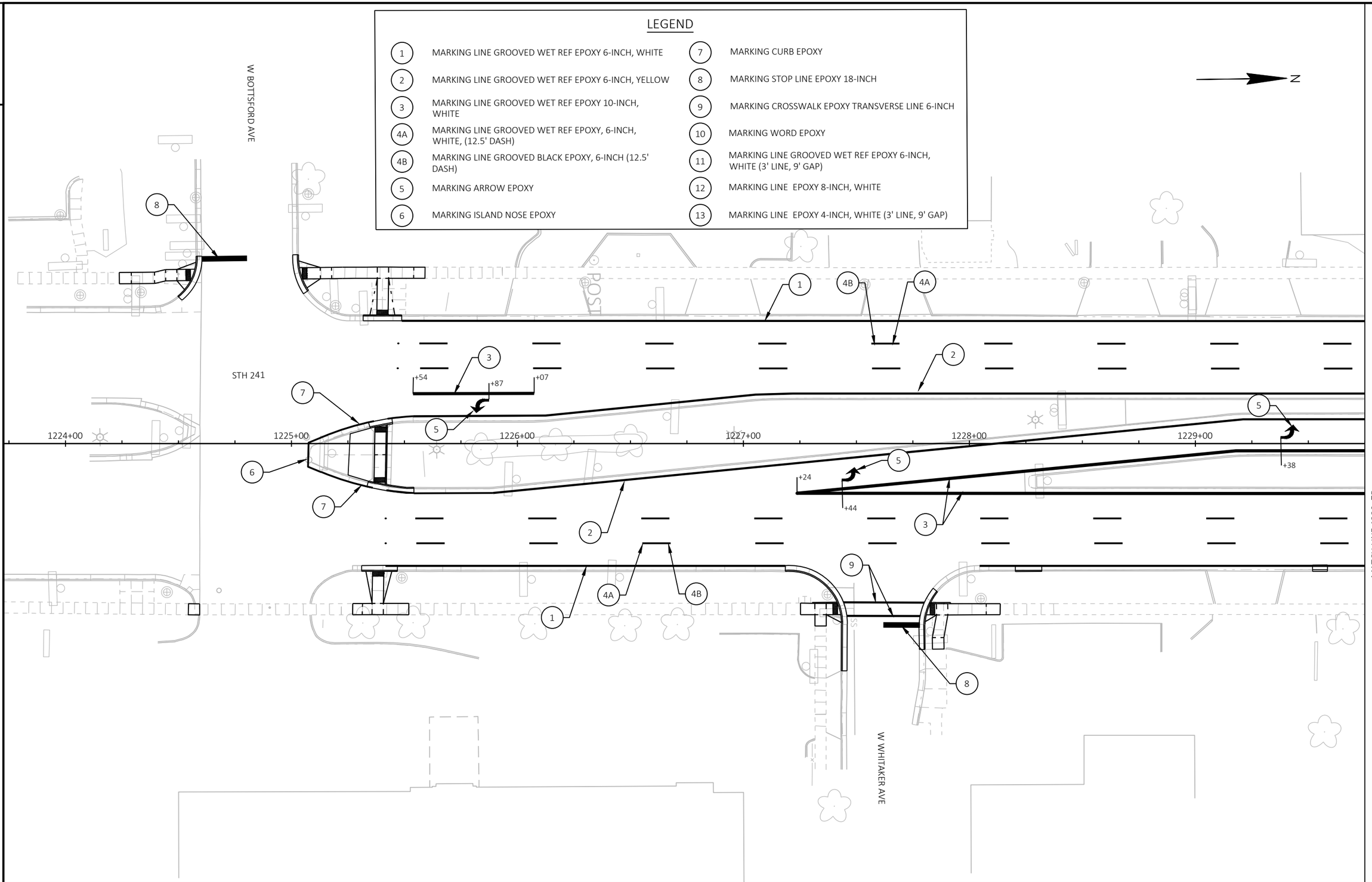
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB3	PB6

NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. 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.

2

LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 79 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\024501-PM.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 6:09 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

END 129' FROM STOP BAR

W COLD SPRING RD

END 92' FROM STOP BAR

70' FROM STOP BAR

ONLY

74' FROM STOP BAR

ONLY

N

MATCH LINE 1229+75

STH 241

1230+00

1231+00

1232+00

1233+00

1234+00

1235+00

+86

+26

+18

+58

+14

MATCH LINE 1235+50

W BOLIVAR AVE

END 107' FROM STOP BAR

LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 80	E

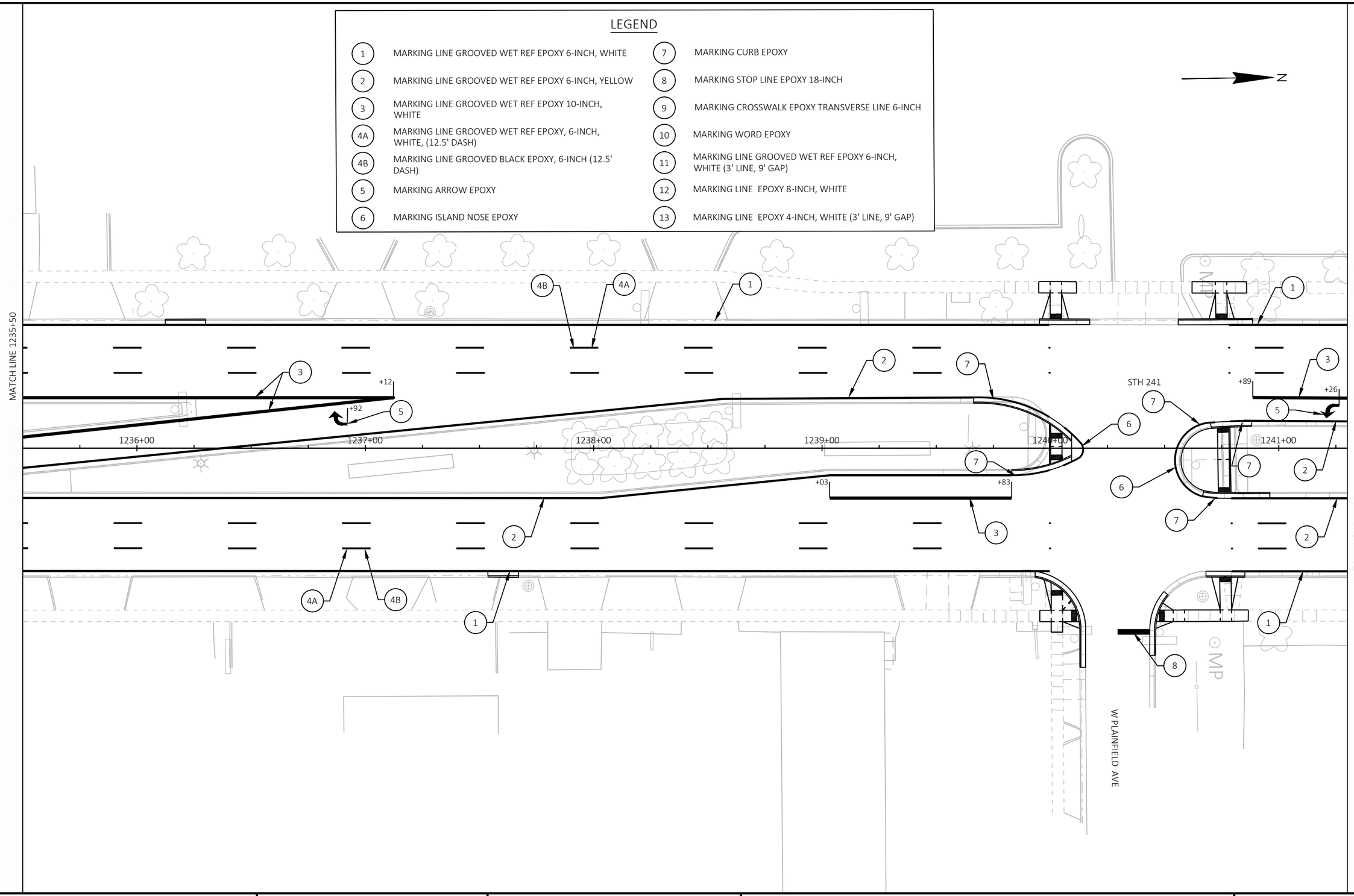
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LAYOUT NAME - 02

PLOT DATE : 6/30/2025 6:10 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)



2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 81	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\024501-PM.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 6:10 PM
PLOT BY : JEFF KOMOROWSKI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)

N

MATCH LINE 1241+30

STH 241

+46

1242+00 1243+00 1244+00 1245+00 1246+00 1247

+28 +16

MATCH LINE 1247+00

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 82 E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\024501-PM.DWG
LAYOUT NAME - 04

PLOT DATE : 6/30/2025 6:10 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)

N

MATCH LINE 1247+00

MATCH LINE 1252+75

STH 241

1248+00 1249+00 1250+00 1251+00 1252+00

+17 +30 +14 +02 +31

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 83 E

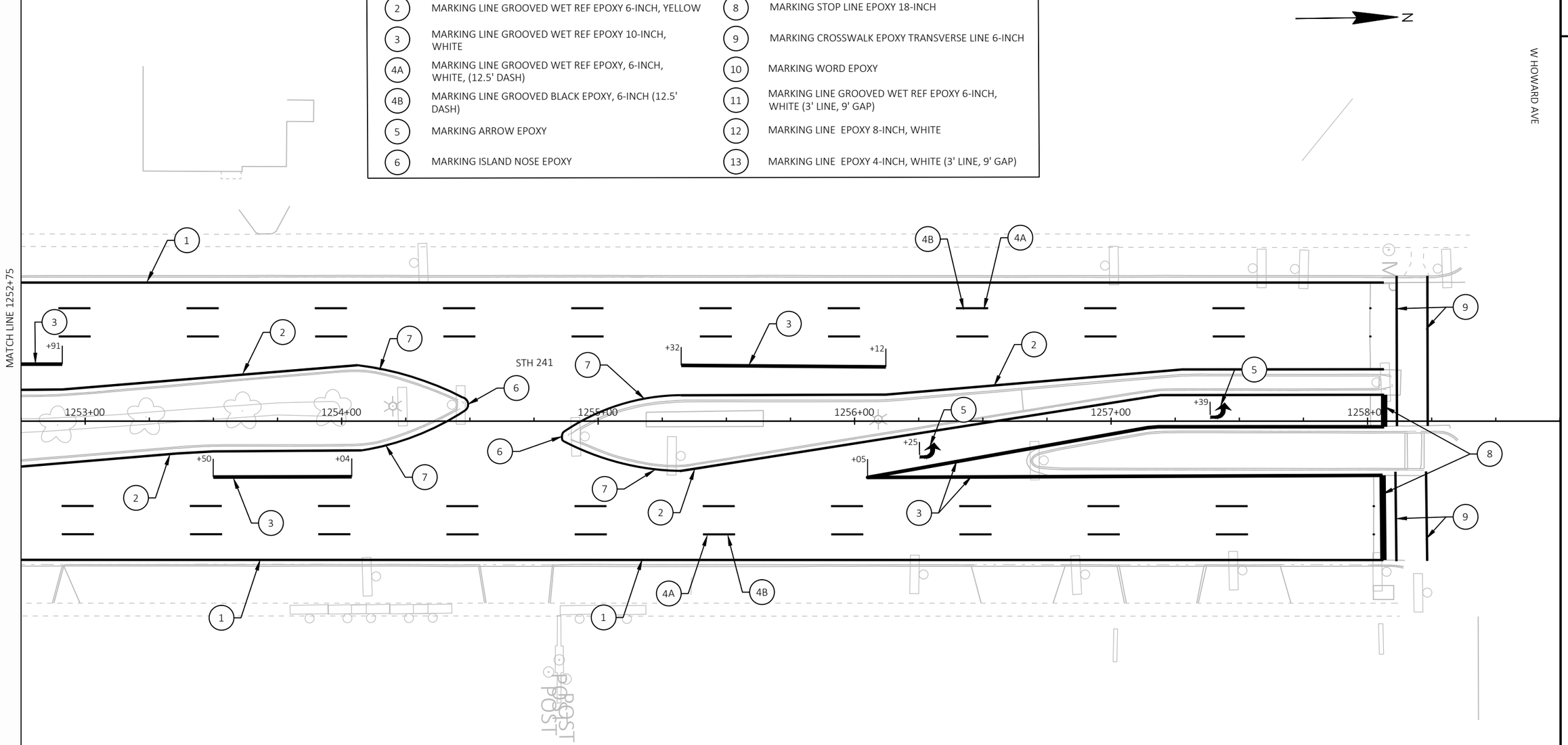
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\024501-PM.DWG
LAYOUT NAME - 05

PLOT DATE : 6/30/2025 6:10 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

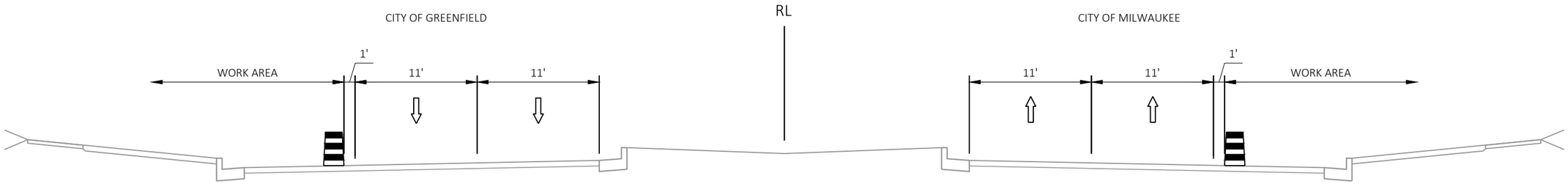
1	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE	7	MARKING CURB EPOXY
2	MARKING LINE GROOVED WET REF EPOXY 6-INCH, YELLOW	8	MARKING STOP LINE EPOXY 18-INCH
3	MARKING LINE GROOVED WET REF EPOXY 10-INCH, WHITE	9	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
4A	MARKING LINE GROOVED WET REF EPOXY, 6-INCH, WHITE, (12.5' DASH)	10	MARKING WORD EPOXY
4B	MARKING LINE GROOVED BLACK EPOXY, 6-INCH (12.5' DASH)	11	MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (3' LINE, 9' GAP)
5	MARKING ARROW EPOXY	12	MARKING LINE EPOXY 8-INCH, WHITE
6	MARKING ISLAND NOSE EPOXY	13	MARKING LINE EPOXY 4-INCH, WHITE (3' LINE, 9' GAP)



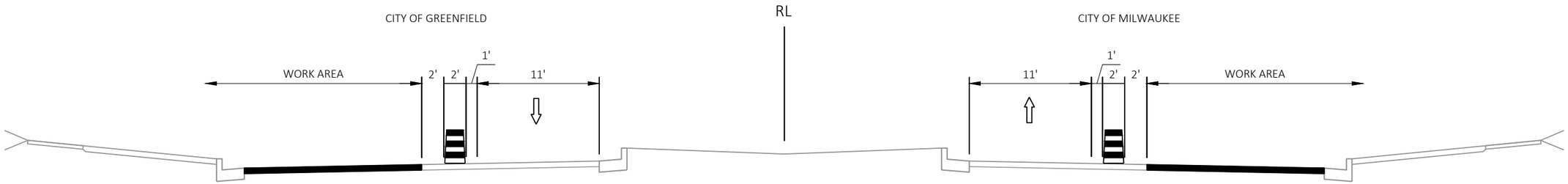
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 84	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS - 2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\024501-PM.DWG
LAYOUT NAME - 06

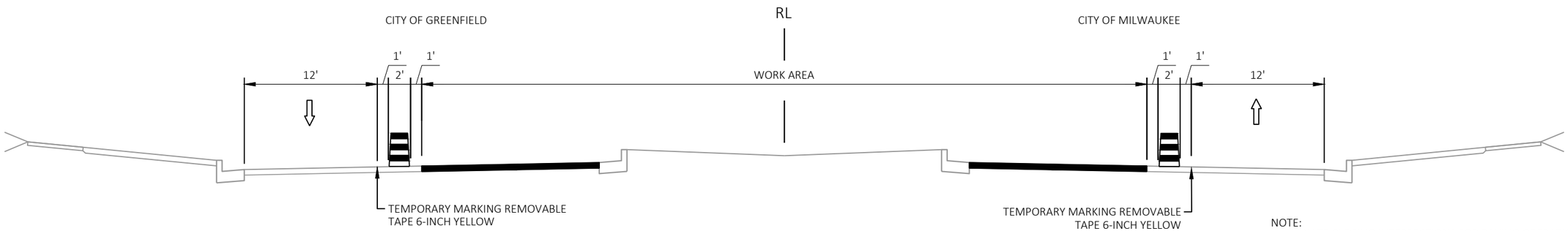
PLOT DATE : 6/30/2025 6:10 PM PLOT BY : JEFF KOMOROWSKI PLOT NAME : PLOT SCALE : 1 IN:40 FT



TYPICAL SECTION STAGE 1
STH 241



TYPICAL SECTION STAGE 2
STH 241



TYPICAL SECTION STAGE 3
STH 241

NOTE:
ALTERNATE CLOSING INTERSECTIONS FOR PAVING OPERATIONS.

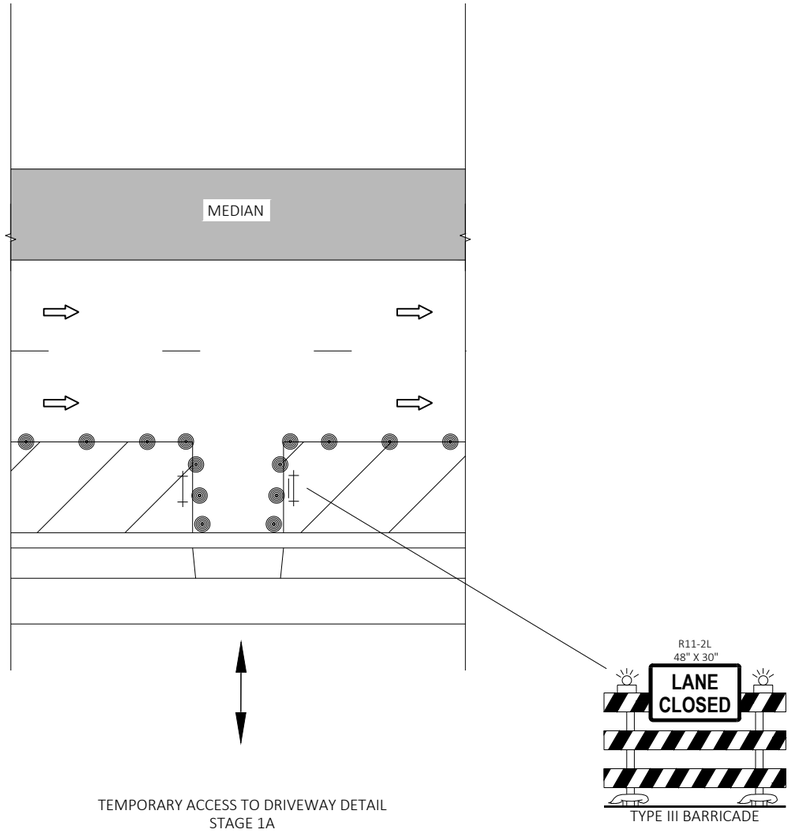
STAGE 3: CLOSE STH 241 LANE 1 AND 2 AND MEDIAN OPENING AT PLAINFIELD AND STH 241 LANE 1 AND 2 AND MEDIAN OPENING AT STATION 1251+50.

STAGE 3A: CLOSE STH 241 LANE 1 AND 2 AND MEDIAN OPENING AT COLDSPRING AND STH 241 LASNE 1 AND 2 AND MEDIAN OPENING AT STATION 1246+75 .

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 85	E

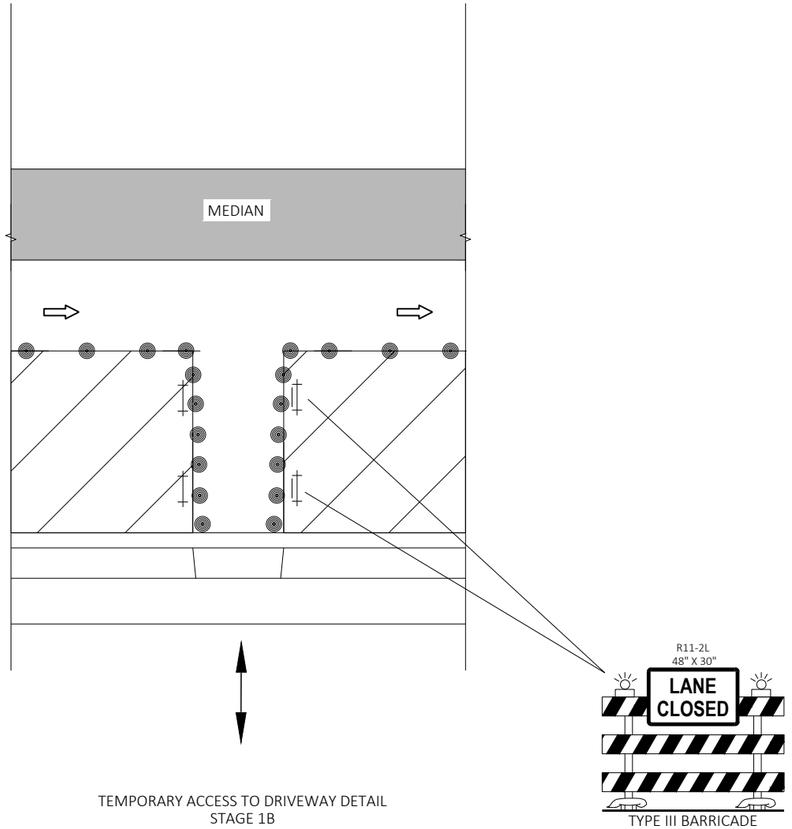
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026001-TCTS.DWG
LAYOUT NAME - 01-10ft
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



TEMPORARY ACCESS TO DRIVEWAY DETAIL
STAGE 1A

TYPE III BARRICADE



TEMPORARY ACCESS TO DRIVEWAY DETAIL
STAGE 1B

TYPE III BARRICADE

LOCATIONS

BEGIN PROJECT TO 1288+70 LT - 25 DRIVEWAYS

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL CONSTRUCTION DETAILS	SHEET 86	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

STH 241

1214+00 1215+00 1216+00 1217+00 1218+00 1219+00 1220

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

25' TYP.

350' 350' 350 320' TAPER

MATCH LINE 1220+00

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W04-2R

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 87	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:14 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

500'

BOTTSFORD AVENUE

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

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

MATCH LINE 1220+00

STH 241

BEGIN PROJECT
STA 1224+59

1221+00 1222+00 1223+00 1224+00 1225+00

MATCH LINE 1225+75

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, WHITE

25' TYP.

15' TYP.

1

390' BUFFER

100' TYP.

M4-60L
30"X24"

M4-60R
30"X24"

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 125 FEET."

MESSAGE: "ATTENTION SOUTHBOUND 27TH STREET AND WESTBOUND BOTTSFORD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 125 FEET AND 80 FEET."

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 88	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

NOTE:
CONSTRUCT CURB RAMPS ONE AT A TIME.

N

MATCH LINE 1225+75

25' TYP.

50' TYP.

STH 241

1226+00 1227+00 1228+00 1229+00 1230+00 1231

MATCH LINE 1231+00

25' TYP.

15' TYP.

50' TYP.

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

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET AND EASTBOUND WHITAKER AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 110 FEET."

M4-60L
30"X24"

MESSAGE: "ATTENTION SOUTHBOUND AND NORTHBOUND 27TH STREET PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 45 FEET."

M4-60R
30"X24"

500'

1

1

500'

M4-60R
30"X24"

MESSAGE: "ATTENTION SOUTHBOUND 27TH STREET AND EASTBOUND WHITAKER AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 110 FEET."

M4-60L
30"X24"

MESSAGE: "ATTENTION SOUTHBOUND AND NORTHBOUND 27TH STREET PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 45 FEET."

WHITTAKER AVENUE

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

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

TYPE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 89	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:14 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

MESSAGE: "ATTENTION NORTHBOUND AND SOUTHBOUND 27TH STREET AND EASTBOUND BOLIVAR AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 75 FEET."

END ROAD WORK
G20-2A
48"X24"

NOTE:
CONSTRUCT CURB RAMPS ONE AT A TIME.

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET AND EASTBOUND BOLIVAR AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 165 FEET."

R11-2L
48" X 30"
LANE CLOSED

III BARRICADE

M4-60L
30"X24"

M4-60R
30"X24"

500'

COLD SPRING ROAD

500'

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

TBSP

25' TYP.

50' TYP.

SIDEWALK CLOSED
R9-9
24"X12"

1

STH 241

+00

1232+00

1233+00

1234+00

1235+00

1236+00

MATCH LINE 1231+00

25' TYP.

15' TYP.

50' TYP.

MATCH LINE 1236+75

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

TBSP

M4-60L
30"X24"

M4-60R
30"X24"

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET AND WESTBOUND COLDSPRING ROAD PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 95 FEET."

MESSAGE: "ATTENTION NORTHBOUND AND SOUTHBOUND 27TH STREET AND WESTBOUND COLDSPRING ROAD PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 100 FEET."

END ROAD WORK
G20-2A
48"X24"

500'

W BOLIVAR AVE

500'

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 90	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

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

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET AND EASTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 145 FEET."

M4-60R
30"X24"

SIDEWALK CLOSED
R9-9
24"X12"

50' TYP.

MP

STH 241

MATCH LINE 1236+75

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

MATCH LINE 1242+50

1

15' TYP.

1

25' TYP.

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

TBSP

50' TYP.

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

MESSAGE: "ATTENTION NORTHBOUND 27TH STREET AND WESTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 125 FEET AND 150 FEET."

M4-60L
30"X24"

SIDEWALK CLOSED
R9-9
24"X12"

MP

500'

1

PLAINFIELD AVENUE

MESSAGE: "ATTENTION NORTHBOUND AND SOUTHOUT 27TH STREET AND WESTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 75 FEET."

M4-60R
30"X24"

500'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

NOTE:
TEMP BUS PAD REQUIRED AT SE CORNER OF HOWARD AVE AND USH 241.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 91	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 05
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

R11-2L
48" X 30"



TYPE III BARRICADE

MATCH LINE 1242+50

50' TYP.

STH 241

1243+00 1244+00 1245+00 1246+00 1247+00 1248+00

50' TYP.

MATCH LINE 1248+25

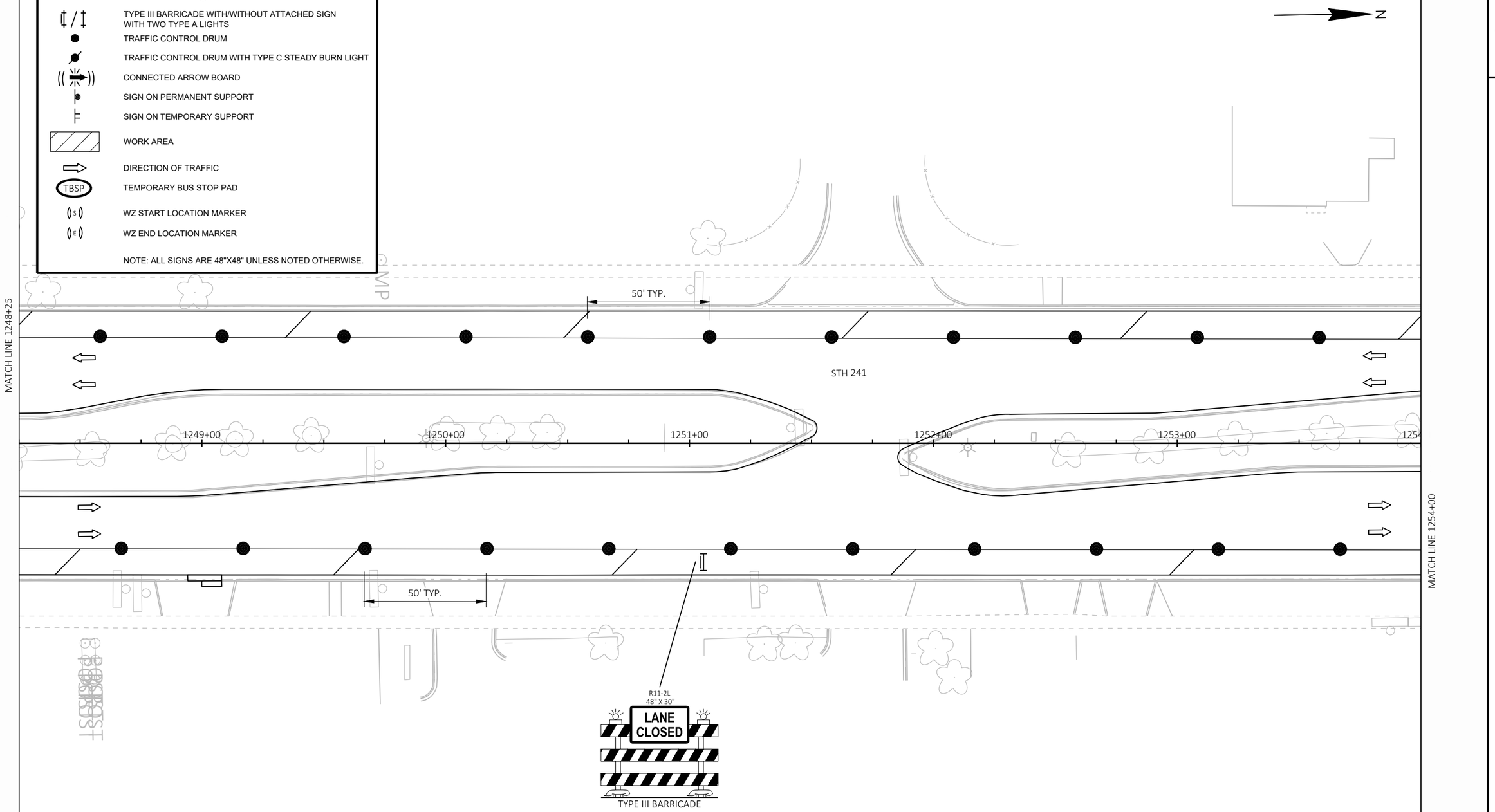
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 92	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 06
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 93	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 07
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

ROAD WORK AHEAD
W20-1A

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

500'

HOWARD AVENUE

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 1254+00

50' TYP.

15' TYP.

STH 241

1254+00

1255+00

1256+00

1257+00

1258+00

1259+00

END PROJECT
STA 1258+01

MATCH LINE 1259+75

50' TYP.

25' TYP.

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

TBSP

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

500'

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 94	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 08
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

884' BUFFER

MATCH LINE 1259+75

50' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, WHITE

1260+00 1261+00 1262+00 1263+00 1264+00 1265+00

STH 241

MATCH LINE 1265+50

500'

(E)

END
ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 95	E

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

320' TAPER

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

MATCH LINE 1265+50

1266+00 1267+00 1268+00 1269+00 1270+00 1271+00

STH 241

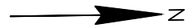
MATCH LINE 1271+25

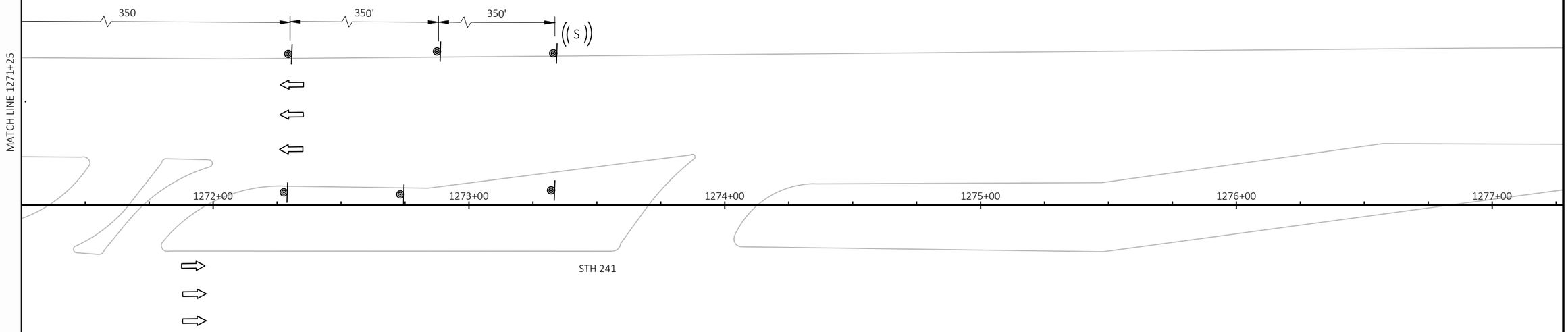
PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 96	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 10
PLOT DATE : 6/30/2025 2:14 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2







LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

1000'

ROAD WORK AHEAD
W20-1A

IH41 NB OFF RAMP

100' TYP.

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1	SHEET 98	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026101-S1.DWG
LAYOUT NAME - 12
PLOT DATE : 6/30/2025 2:14 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

STH 241

1214+00 1215+00 1216+00 1217+00 1218+00 1219+00 1220

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

25' TYP.

350' 350' 350 320' TAPER

MATCH LINE 1220+00

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

W04-2R

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 99	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

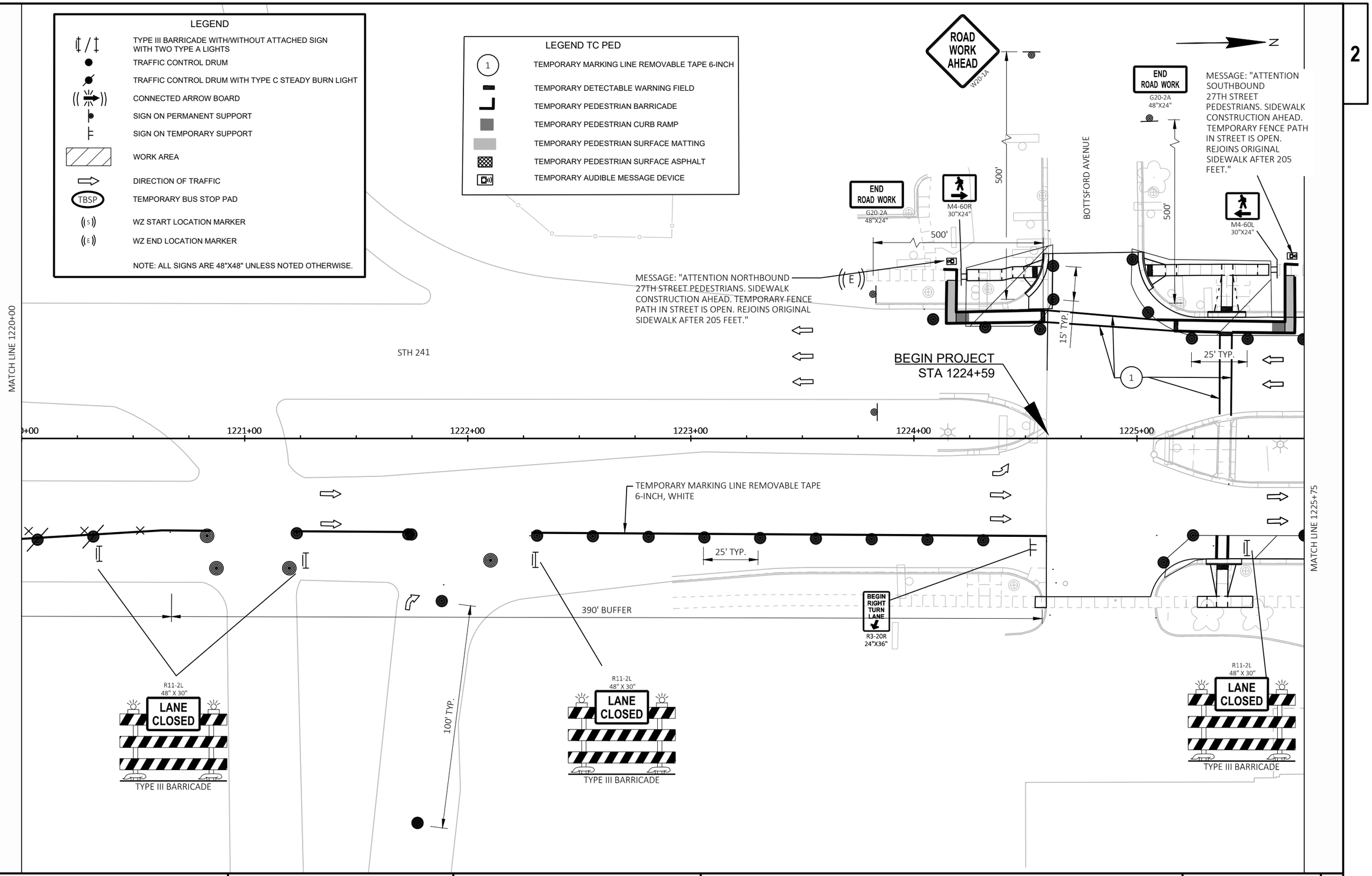
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE



2

LEGEND TC PED

1	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE MATTING
	TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY AUDIBLE MESSAGE DEVICE

LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	CONNECTED ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
TBSP	TEMPORARY BUS STOP PAD
S	WZ START LOCATION MARKER
E	WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

25' TYP.

50' TYP.

MATCH LINE 1225+75

STH 241

1226+00 1227+00 1228+00 1229+00 1230+00 1231

MATCH LINE 1231+00

15' TYP.

25' TYP.

50' TYP.

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

500'

500'

WHITTAKER AVENUE

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

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 101	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

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

500'

COLD SPRING ROAD

END ROAD WORK
G20-2A
48"X24"

MESSAGE: "ATTENTION NORTHBOUND AND SOUTHBOUND
27TH STREET AND EASTBOUND BOLIVAR AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 120 FEET."

M4-60R
30"X24"

500'

M4-60L
30"X24"

MESSAGE: "ATTENTION SOUTHBOUND
27TH STREET, EASTBOUND BOLIVAR AVENUE, AND WESTBOUND COLDSPRING ROAD PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 165 FEET."

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

TBSP

SIDEWALK CLOSED
R9-9
24"X12"

15' TYP.

1

50' TYP.

25' TYP.

STH 241

MATCH LINE 1231+00

+00

1232+00

1233+00

1234+00

1235+00

1236+00

MATCH LINE 1236+75

N

25' TYP.

SIDEWALK CLOSED
R9-9
24"X12"

TBSP

50' TYP.

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

500'

15' TYP.

W BOLIVAR AVE

M4-60L
30"X24"

500'

M4-60R
30"X24"

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

MESSAGE: "ATTENTION SOUTHBOUND
27TH STREET, EASTBOUND BOLIVAR AVENUE, AND WESTBOUND COLDSPRING ROAD PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 180 FEET."

NOTE:
CONSTRUCT CURB RAMPS ONE AT A TIME.

MESSAGE: "ATTENTION NORTHBOUND AND SOUTHBOUND
27TH STREET AND WESTBOUND COLDSPRING ROAD PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 105 FEET."

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND TC PED

1	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
	TEMPORARY DETECTABLE WARNING FIELD
	TEMPORARY PEDESTRIAN BARRICADE
	TEMPORARY PEDESTRIAN CURB RAMP
	TEMPORARY PEDESTRIAN SURFACE MATTING
	TEMPORARY PEDESTRIAN SURFACE ASPHALT
	TEMPORARY AUDIBLE MESSAGE DEVICE

LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	CONNECTED ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
TBSP	TEMPORARY BUS STOP PAD
S	WZ START LOCATION MARKER
E	WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 102	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND TC PED

1 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH

TEMPORARY DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY AUDIBLE MESSAGE DEVICE

N

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

MESSAGE: "ATTENTION NORTHBOUND
27TH STREET AND EASTBOUND PLAINFIELD AVENUE
PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD.
TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS
ORIGINAL SIDEWALK AFTER 220 FEET AND 110 FEET."

MESSAGE: "ATTENTION SOUTHBOUND
27TH STREET AND EASTBOUND PLAINFIELD AVENUE
PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD.
TEMPORARY FENCE PATH IN STREET IS OPEN. REJOINS
ORIGINAL SIDEWALK AFTER 215 FEET."

M4-60R
30"X24"

M4-60L
30"X24"

MATCH LINE 1236+75

50' TYP.

STH 241

1

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

MATCH LINE 1242+50

25' TYP.

TBSP

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

15' TYP.

50' TYP.

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

MESSAGE: "ATTENTION NORTHBOUND
27TH STREET PEDESTRIANS. SIDEWALK
CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN
STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER
125 FEET."

500'

M4-60L
30"X24"

PLAINFIELD AVENUE

SIDEWALK CLOSED
R9-9
24"X12"

500'

M4-60R
30"X24"

MESSAGE: "ATTENTION SOUTHBOUND
27TH STREET PEDESTRIANS. SIDEWALK
CONSTRUCTION AHEAD. TEMPORARY FENCE PATH IN
STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER
125 FEET."

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

CONNECTED ARROW BOARD

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

WORK AREA

DIRECTION OF TRAFFIC

TBSP TEMPORARY BUS STOP PAD

WZ START LOCATION MARKER

WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 103	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 05

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

MATCH LINE 1242+50

50' TYP.

STH 241

1243+00 1244+00 1245+00 1246+00 1247+00 1248+00

50' TYP.

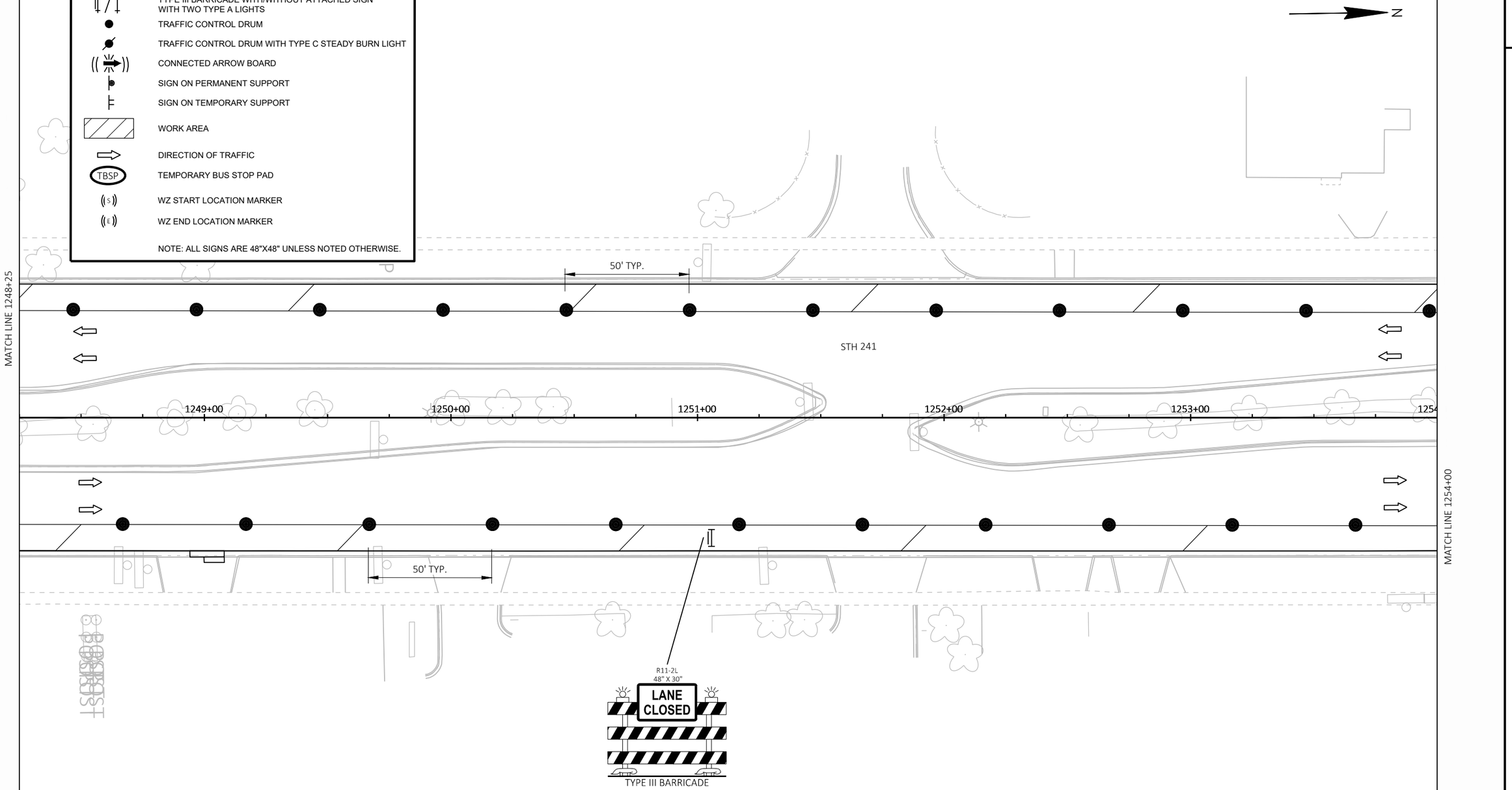
MATCH LINE 1248+25

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 105	E

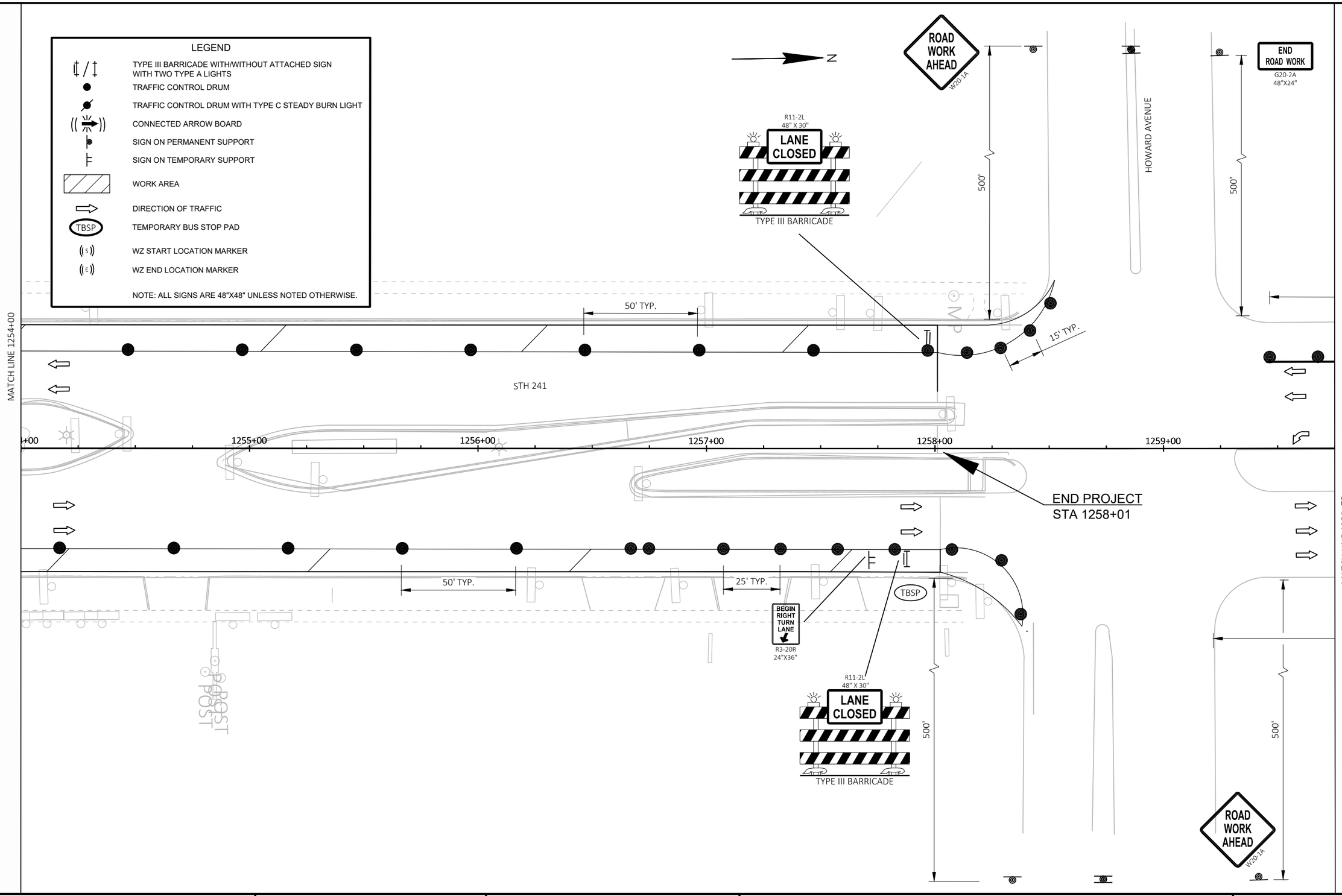
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 07
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 106	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 08
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

884' BUFFER

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, WHITE

50' TYP.

MATCH LINE 1259+75

1260+00 1261+00 1262+00 1263+00 1264+00 1265+00

STH 241

MATCH LINE 1265+50

(E)

500'

END
ROAD WORK
G20-2A
48"X24"

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 107	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 09

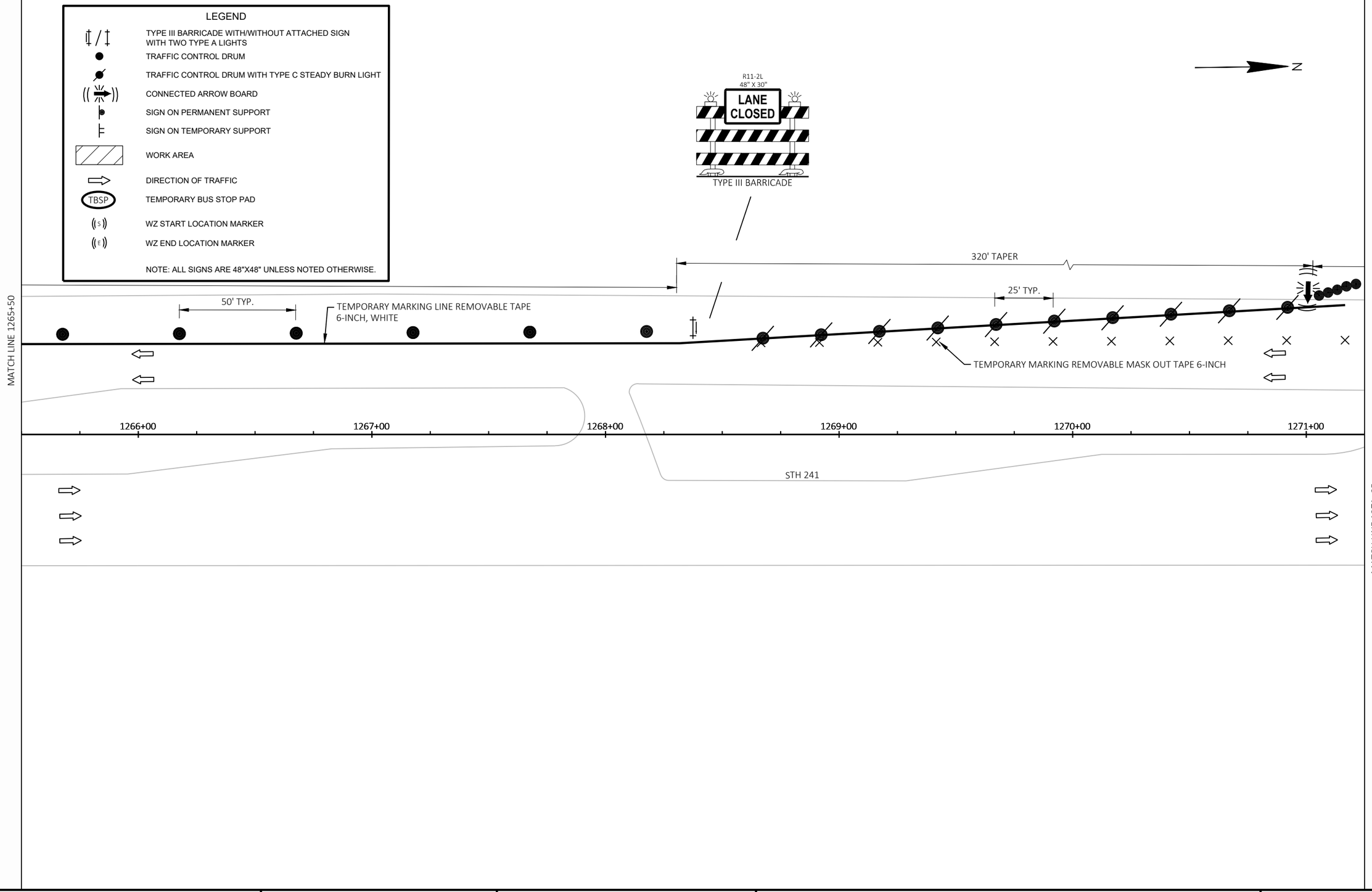
PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 108	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 10
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2





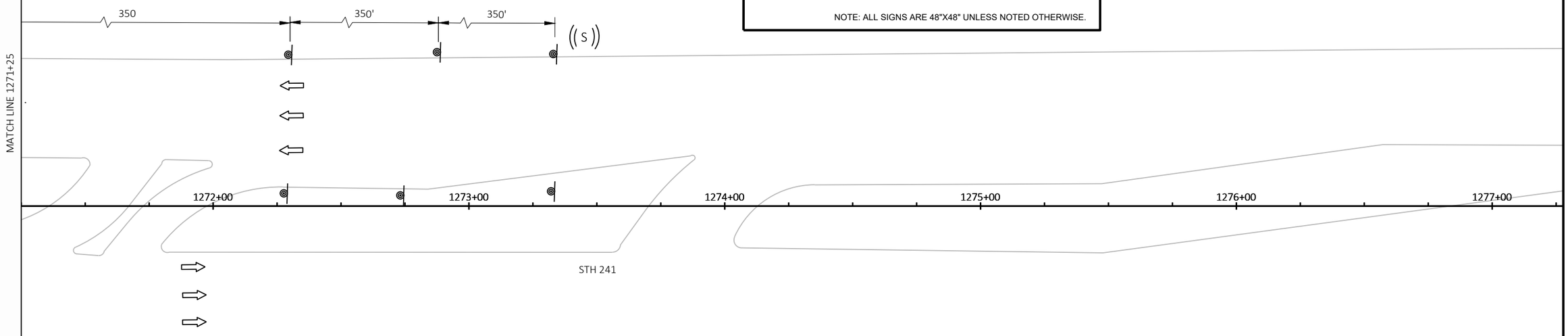


LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 109	E

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

1000'

ROAD WORK AHEAD
W20-1A

IH41 NB OFF RAMP

100' TYP.

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 1A	SHEET 110	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026102-S1A.DWG
LAYOUT NAME - 12

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LAYTON AVENUE

N

STH 241

1203+00 1204+00 1205+00 1206+00 1207+00 1208+00

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

25' TYP.

MATCH LINE 1208+50

350' 350' 350' 320' TAPER

ROAD WORK AHEAD W20-1A

RIGHT TWO LANES CLOSED AHEAD W20-5RA

W04-2R

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 111	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

MATCH LINE 1208+50

STH 241

1209+00 1210+00 1211+00 1212+00 1213+00 1214+00

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

25' TYP.

640'

W04-2R

RIGHT TURN LANE
R3-55R
24"X30"

MATCH LINE 1214+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 112	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 02

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

CONNECTED ARROW BOARD

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

WORK AREA

DIRECTION OF TRAFFIC

TBSP — TEMPORARY BUS STOP PAD

WZ START LOCATION MARKER

WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

IH 41

STH 241

MATCH LINE 1214+25

1215+00 1216+00 1217+00 1218+00 1219+00 1220

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

25' TYP.

25' TYP.

50' TYP.

320'TAPER

MATCH LINE 1220+00

ON RAMP

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 113	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

BOTTSFORD AVENUE

500'

500'

500'

25' TYP.

MATCH LINE 1220+00

STH 241

BEGIN PROJECT
STA 1224+59

1221+00 1222+00 1223+00 1224+00 1225+00

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

25' TYP.

542' BUFFER

100' TYP.

MATCH LINE 1225+75

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

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 114	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 04

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

MATCH LINE 1225+75

25' TYP.

50' TYP.

STH 241

1226+00 1227+00 1228+00 1229+00 1230+00 1231

50' TYP.

MATCH LINE 1231+00

15' TYP.

25' TYP.

500'

500'

ROADWAY ACCESS TO REMAIN OPEN DURING PAVING OPERATIONS.
TEMPORARY FLAGGING WILL BE REQUIRED.

WHITTAKER AVENUE

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 115	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 05
PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

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

500'

COLD SPRING ROAD

END ROAD WORK
G20-2A
48"X24"

500'

TBSP

MATCH LINE 1231+00

15' TYP.

25' TYP.

50' TYP.

STH 241

+00 1232+00 1233+00 1234+00 1235+00 1236+00

MATCH LINE 1236+75

15' TYP.

25' TYP.

50' TYP.

TBSP

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

500'

500'

END ROAD WORK
G20-2A
48"X24"

BOLIVAR AVENUE

ROAD WORK AHEAD
W20-1A

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 116	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 06
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

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

MATCH LINE 1236+75

50' TYP.

STH 241

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

15' TYP.

MATCH LINE 1242+50

25' TYP.

50' TYP.

TBSP

ROADWAY ACCESS TO REMAIN OPEN DURING PAVING OPERATIONS.
TEMPORARY FLAGGING WILL BE REQUIRED.

500'

PLAINFIELD AVENUE

500'

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

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 117	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 07
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

MATCH LINE 1242+50

50' TYP.

STH 241

1243+00 1244+00 1245+00 1246+00 1247+00 1248+00

50' TYP.

MATCH LINE 1248+25

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 118	E

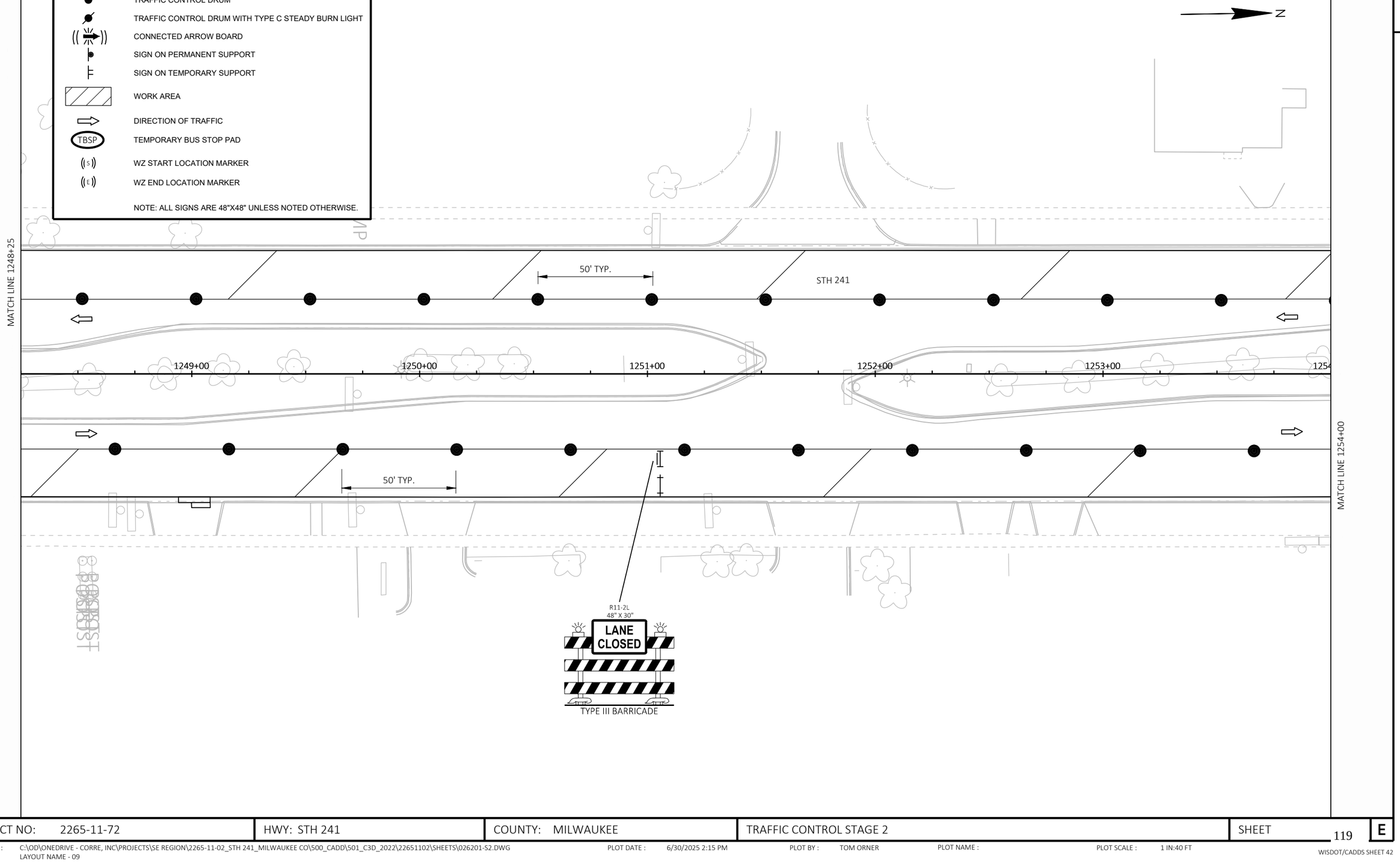
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LAYOUT NAME - 08
PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

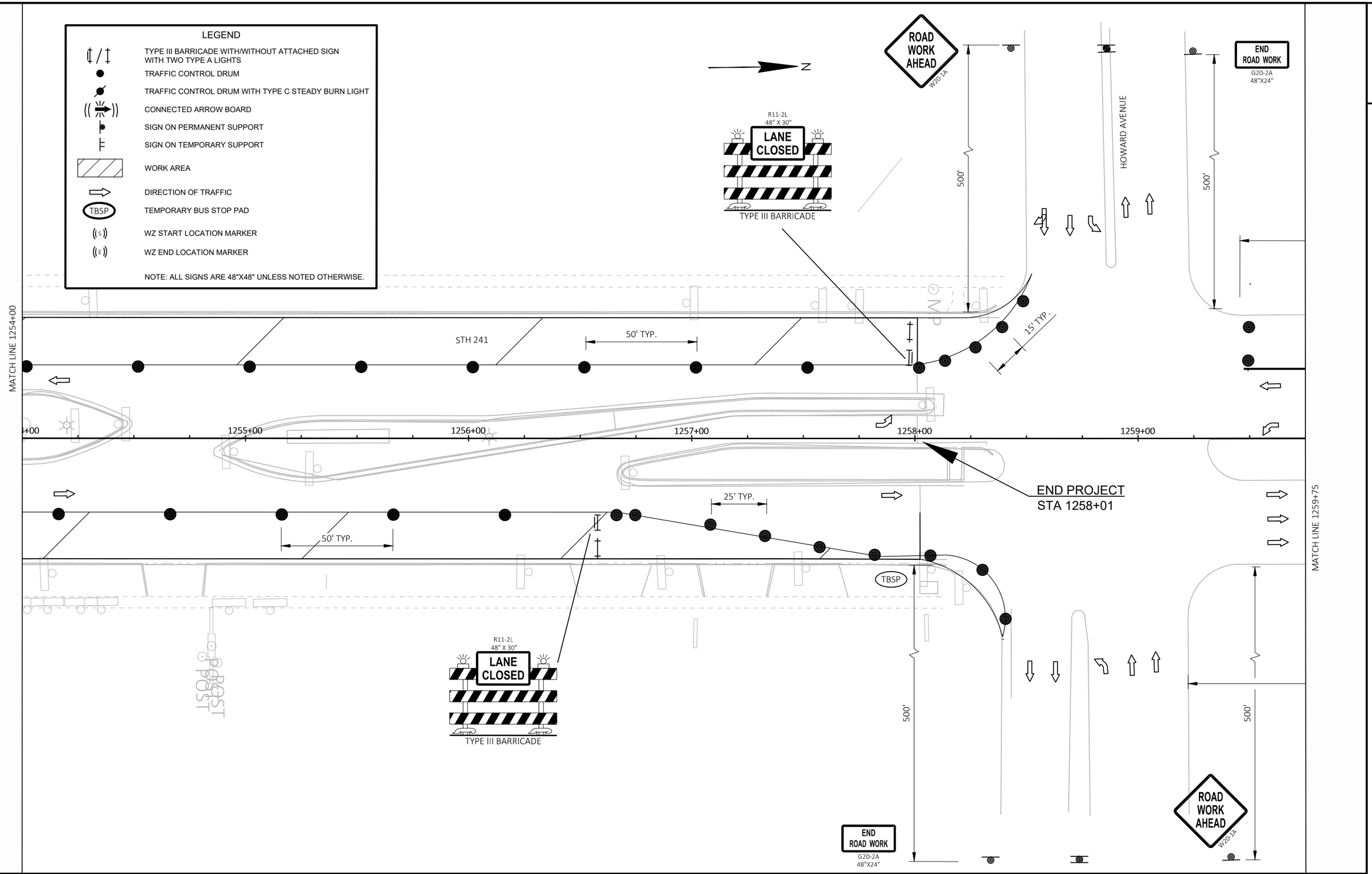


PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 119	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 120 E

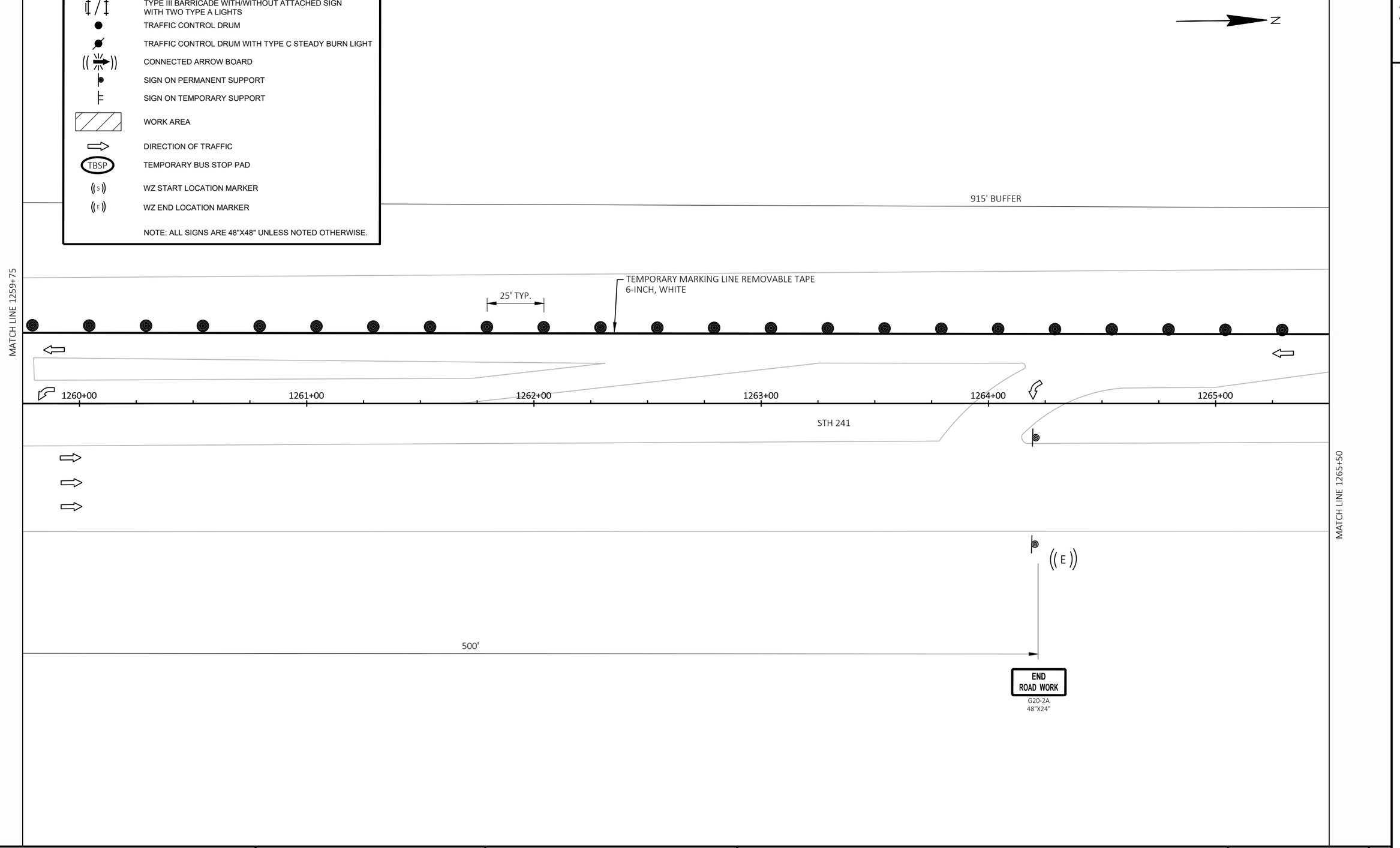
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LAYOUT NAME - 10
PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 121	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 11
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

245' TAPER

MATCH LINE 1265+50

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

25' TYP.

25' TYP.

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

1266+00 1267+00 1268+00 1269+00 1270+00 1271+00

MATCH LINE 1271+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 122	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 12

PLOT DATE : 6/30/2025 2:15 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

MATCH LINE 1271+25

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, WHITE

25' TYP.

1272+00 1273+00 1274+00 1275+00 1276+00 1277

MATCH LINE 1277+00

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 123	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 13
PLOT DATE : 6/30/2025 2:15 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LOOMIS AVENUE

N

W04-2R

1830'

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, WHITE

MATCH LINE 1277+00

1278+00 1279+00 1280+00 1281+00 1282+00

MATCH LINE 1282+75

LEGEND

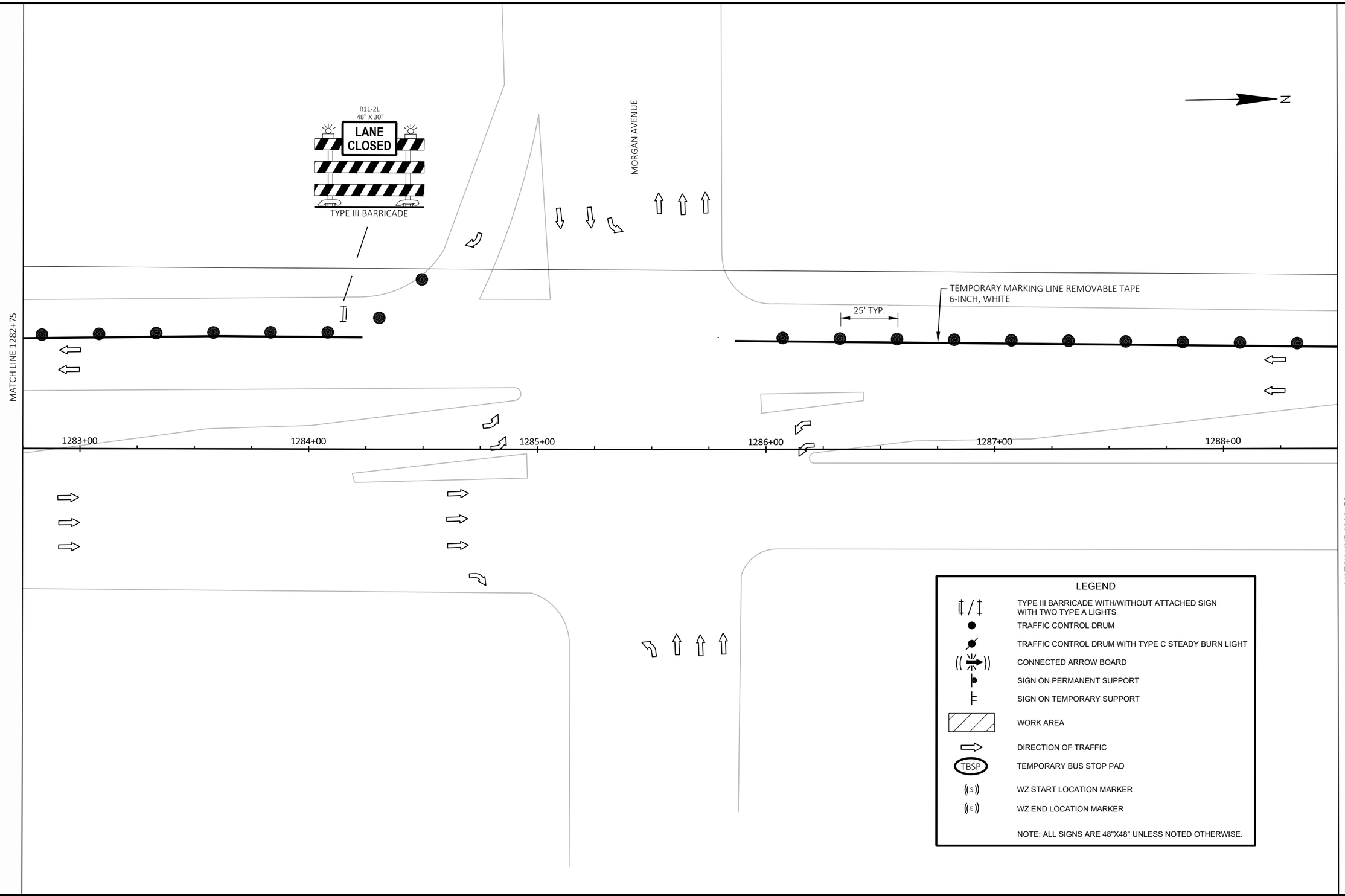
- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 124	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 14
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 125	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 15
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

HOLT AVENUE

MATCH LINE 1288+50

245' TAPER

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

350

350'

350'

W04-2R

RIGHT TWO LANES CLOSED AHEAD

W20-5BR

ROAD WORK AHEAD

W20-1A

S

1289+00

1290+00

1291+00

1292+00

1293+00

1294+00

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- S — WZ START LOCATION MARKER
- E — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 126	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 16
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20.1A

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

1000'

100' TYP.

IH41 NB OFF RAMP

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 127	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 17
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



TYPE III BARRICADE

100' TYP.

IH 41 SB OFF RAMP

1000'



N

STH 241

1217+00

1216+00

1215+00

320'TAPER

25' TYP.

MATCH LINE 1214+25

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2	SHEET 128	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026201-S2.DWG
LAYOUT NAME - 18

PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND TC PED

1 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH

TEMPORARY DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY AUDIBLE MESSAGE DEVICE

1234+00

1233+00

1232+00

1231+00

50' TYP.

END ROAD WORK
G20-2A
48"X24"

TBSP

500'

(E)

COLD SPRING ROAD

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

25' TYP.

200' 200' 125' TAPER 55' BUFFER

(S)

ROAD WORK AHEAD
W20-1A

W01-4R

WO1-6
48" X 24"
TYPE III BARRICADE

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

15' TYP.

N

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

WO1-6
48" X 24"
TYPE III BARRICADE

ROAD WORK AHEAD
W20-1A

W01-4R

55' BUFFER 125' TAPER 200' 200'

(S)

15' TYP.

25' TYP.

BOLIVAR AVENUE

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

500'

(E)

END ROAD WORK
G20-2A
48"X24"

TBSP

50' TYP.

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

CONNECTED ARROW BOARD

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

WORK AREA

DIRECTION OF TRAFFIC

TBSP TEMPORARY BUS STOP PAD

(S) WZ START LOCATION MARKER

(E) WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 2A	SHEET 129	E

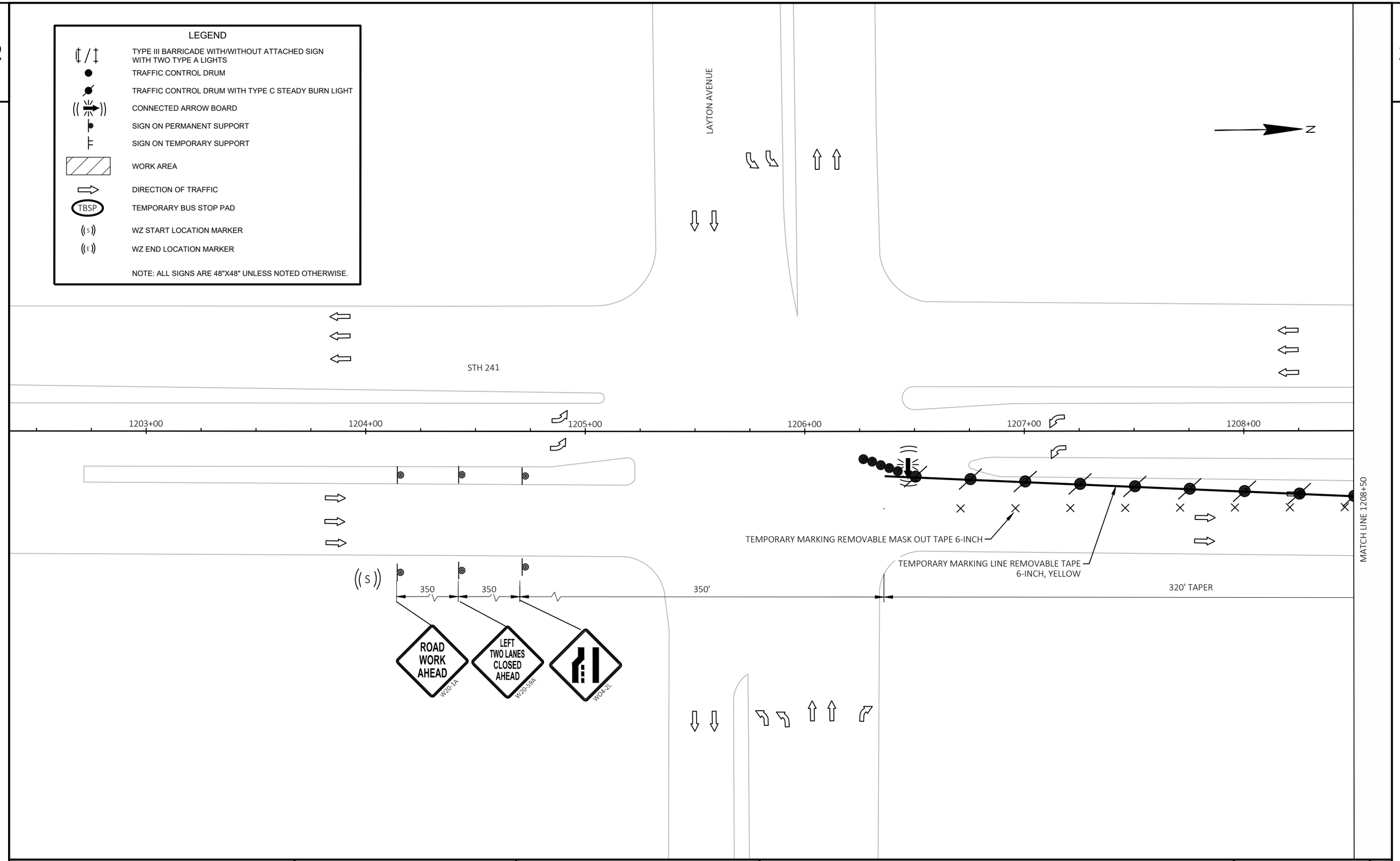
2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 130	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 01
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

MATCH LINE 1208+50

STH 241

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

1209+00 1210+00 1211+00 1212+00 1213+00 1214+00

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

640'

W04-2L

MATCH LINE 1214+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 131	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

IH 41 SB OFF RAMP

MATCH LINE 1214+25

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

STH 241

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

1215+00 1216+00 1217+00 1218+00 1219+00 1220

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

25' TYP.

320' TAPER

MATCH LINE 1220+00

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 132	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 03
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

MATCH LINE 1220+00

STH 241

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

1221+00 1222+00 1223+00 1224+00 1225

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

543' BUFFER

100' TYP.

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

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

500'

BOTTSFORD AVENUE

BEGIN PROJECT
STA 1224+59

15' TYP.

WO1-6
48" X 24"
TYPE III BARRICADE

MATCH LINE 1225+75

N

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 133	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

MATCH LINE 1225+75

50' TYP.

STH 241

1226+00 1227+00 1228+00 1229+00 1230+00 1231

MATCH LINE 1231+00

50' TYP.

ONE WAY
R6-2R
24"X30"

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

R3-2
24"X24"

ONE WAY
R6-1R
36"X12"

500'

500'

WHITTAKER AVENUE

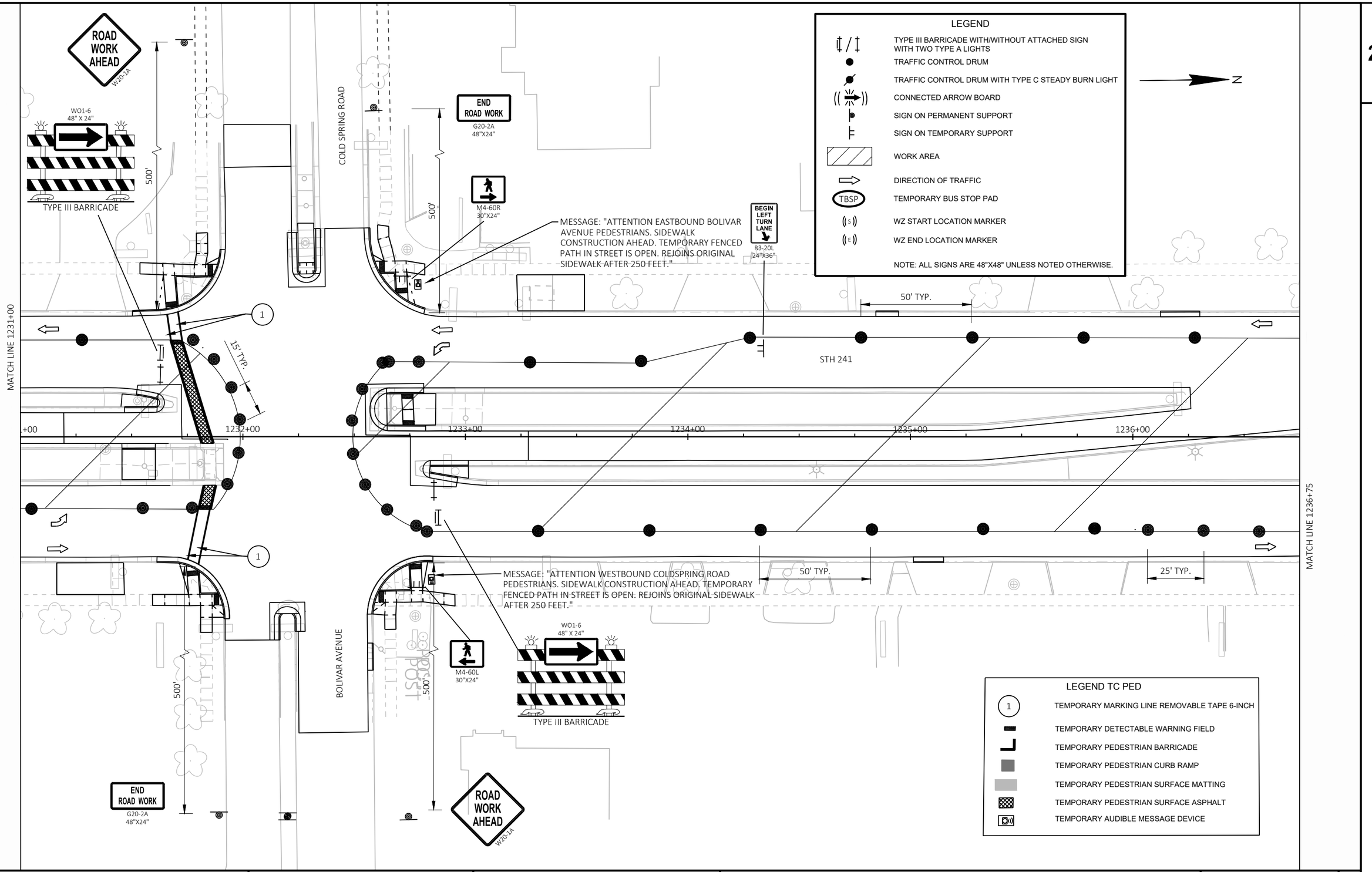
END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 134	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 05
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 135	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 06
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND TC PED

1 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH

TEMPORARY DETECTABLE WARNING FIELD

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP

TEMPORARY PEDESTRIAN SURFACE MATTING

TEMPORARY PEDESTRIAN SURFACE ASPHALT

TEMPORARY AUDIBLE MESSAGE DEVICE

N

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

M4-60R
30"X24"

MESSAGE: "ATTENTION EASTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 200 FEET."

MATCH LINE 1236+75

50' TYP.

25' TYP.

1

15' TYP.

STH 241

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

25' TYP.

50' TYP.

1

MATCH LINE 1242+50

LEGEND

TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

CONNECTED ARROW BOARD

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

WORK AREA

DIRECTION OF TRAFFIC

TBSP TEMPORARY BUS STOP PAD

WZ START LOCATION MARKER

WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

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

500'

PLAINFIELD AVENUE

END ROAD WORK
G20-2A
48"X24"

RIGHT TURN ONLY
R3-53R
24"X30"

500'

M4-60L
30"X24"

ROAD WORK AHEAD
W20-1A

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

MESSAGE: "ATTENTION WESTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 200 FEET."

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 136	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 07
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

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

25' TYP.

50' TYP.

STH 241

MATCH LINE 1242+50

1243+00 1244+00 1245+00 1246+00 1247+00 1248+00

50' TYP.

MATCH LINE 1248+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 137	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 08

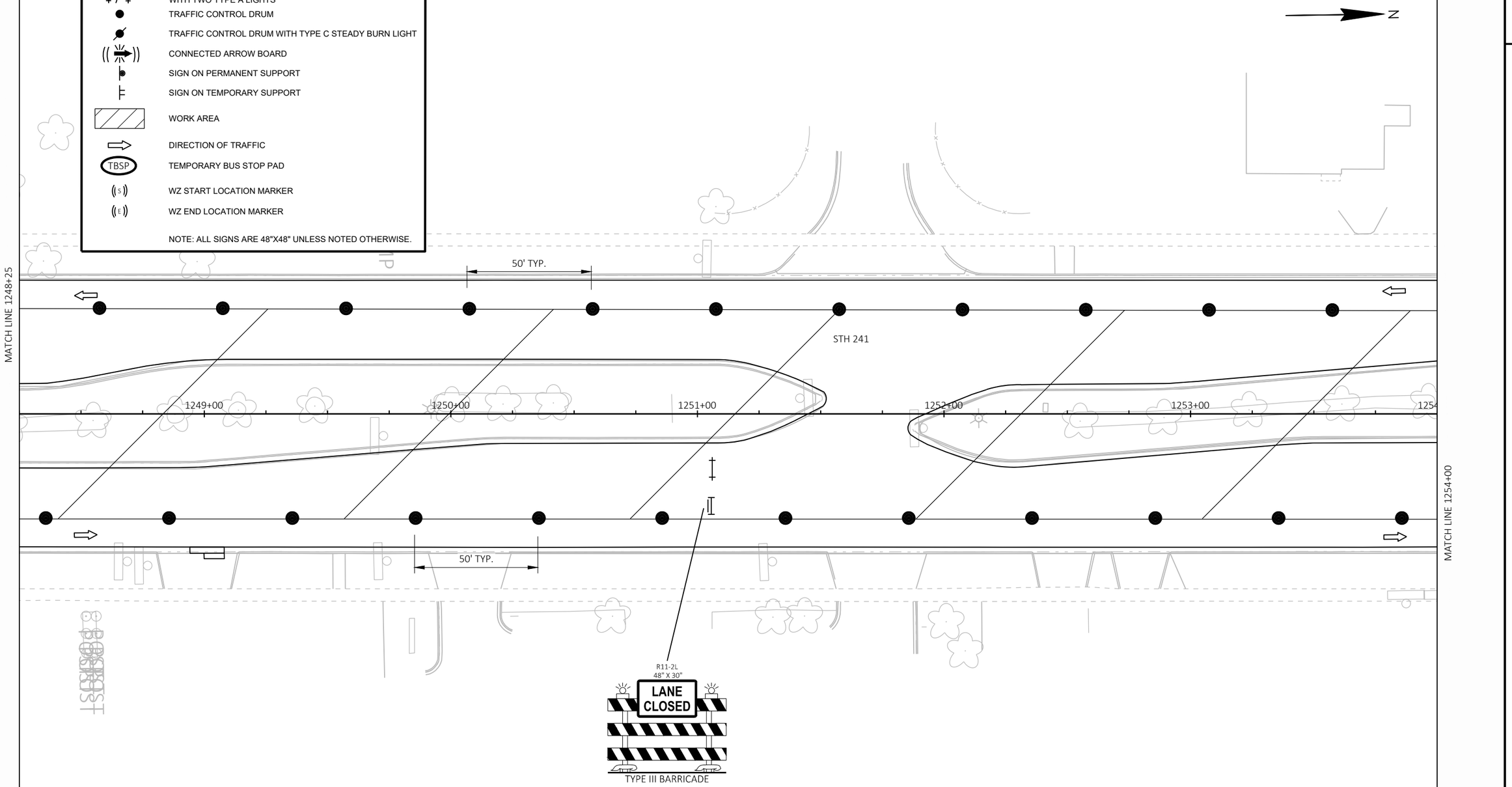
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

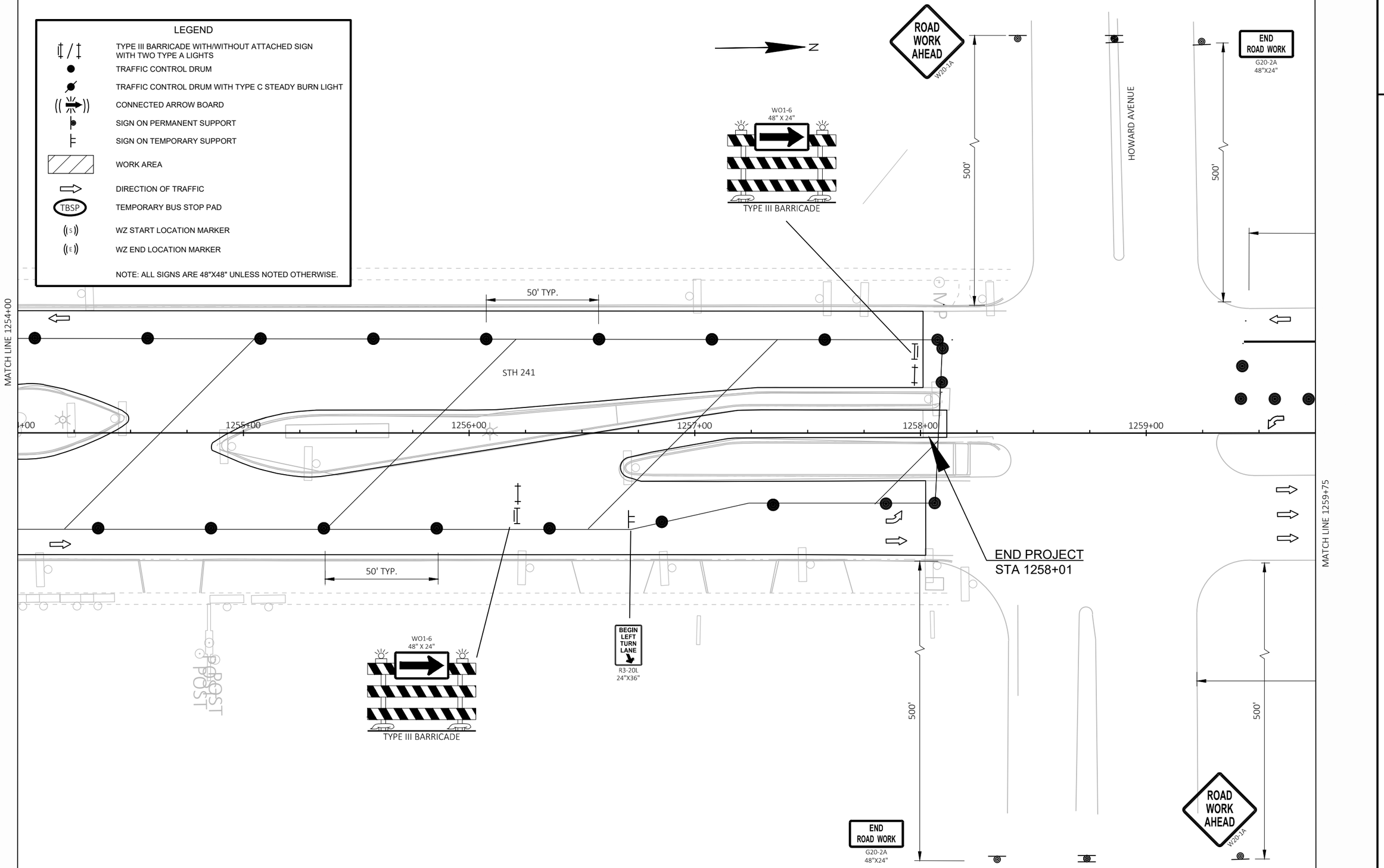


PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 138	E

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 139	E

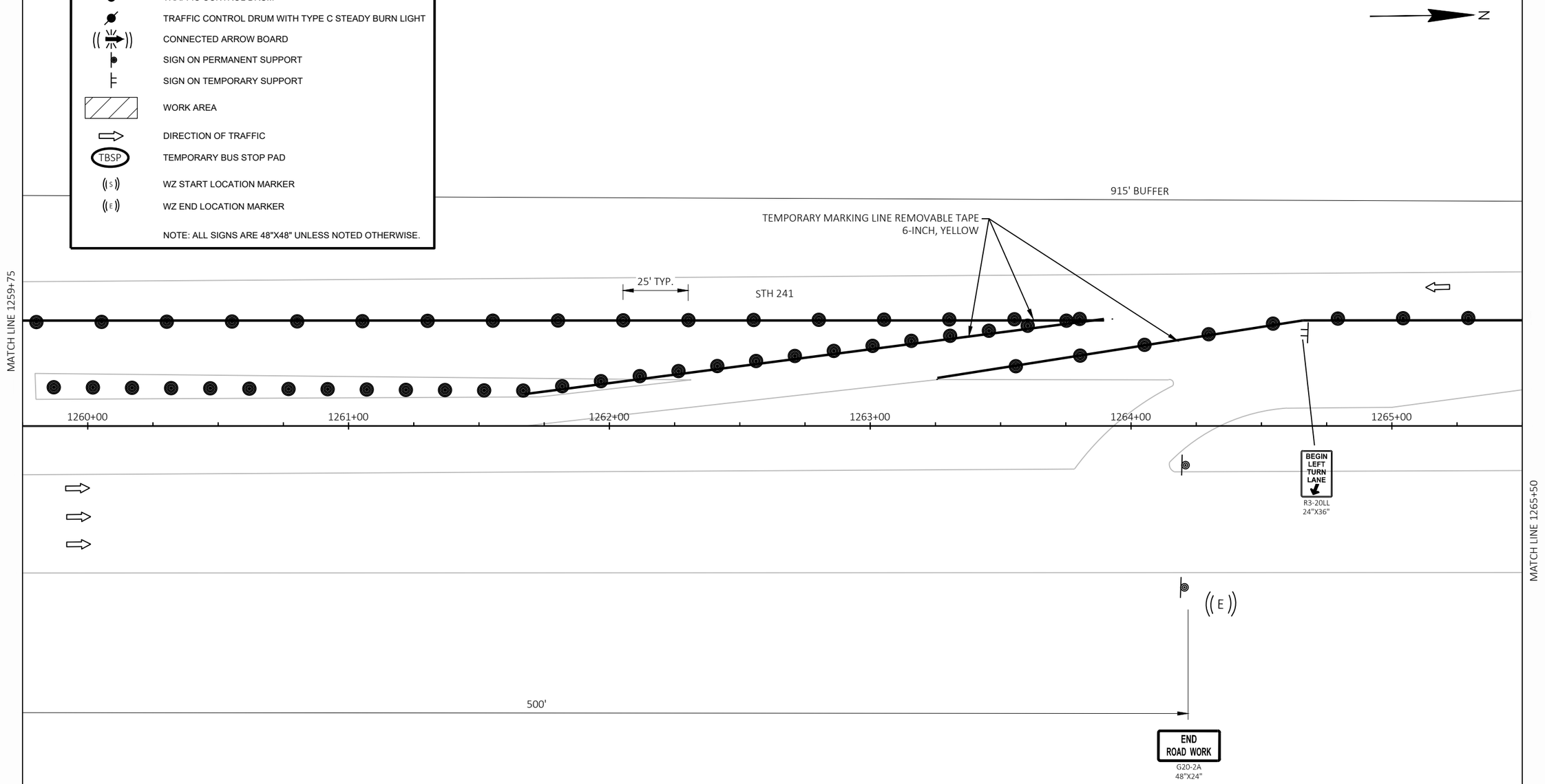
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 10
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 140	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 11
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

R11-2L
48" X 30"



TYPE III BARRICADE

245' TAPER

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

25' TYP.

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

STH 241

MATCH LINE 1265+50

1266+00 1267+00 1268+00 1269+00 1270+00 1271+00

MATCH LINE 1271+25

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 141	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 12
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

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

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

N

MATCH LINE 1271+25

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

STH 241

25' TYP.

1272+00 1273+00 1274+00 1275+00 1276+00 127

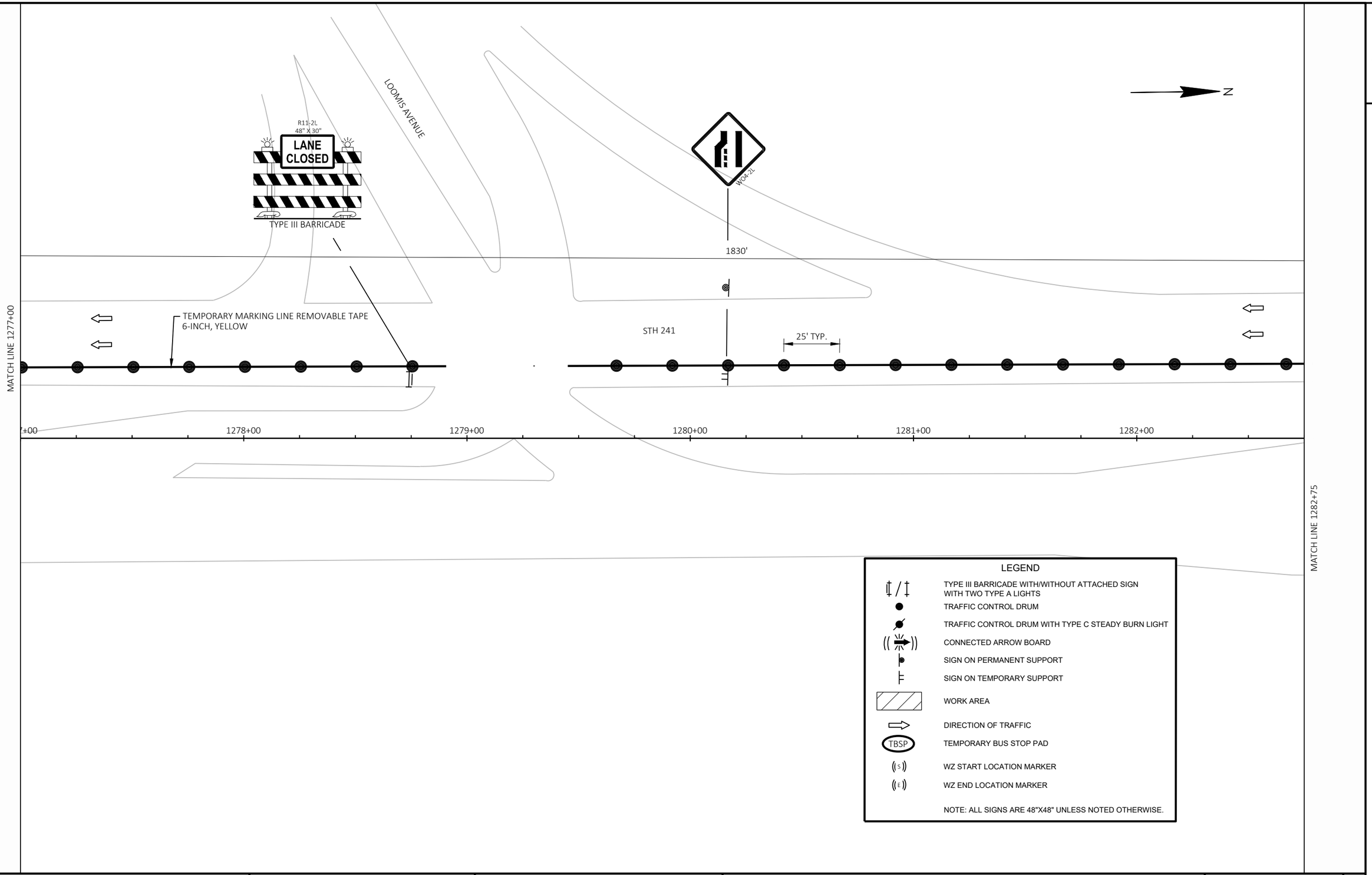
MATCH LINE 1277+00

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- S — WZ START LOCATION MARKER
- E — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 143	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 14
PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

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

MORGAN AVENUE

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

MATCH LINE 1282+75

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

STH 241

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

1283+00 1284+00 1285+00 1286+00 1287+00 1288+00

MATCH LINE 1288+50

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 144	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 15
PLOT DATE : 6/30/2025 2:16 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

HOLT AVENUE







245' TAPER

350'

350'

350'

(S)

MATCH LINE 1288+50

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

STH 241

1289+00

1290+00

1291+00

1292+00

1293+00

1294+00

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

NOTE:
ALTERNATE CLOSING INTERSECTIONS AND MEDIAN TURN AROUNDS TO COMPLETE MEDIAN WORK.

N

1000'

100' TYP.

IH41 NB OFF RAMP

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

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

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 146	E

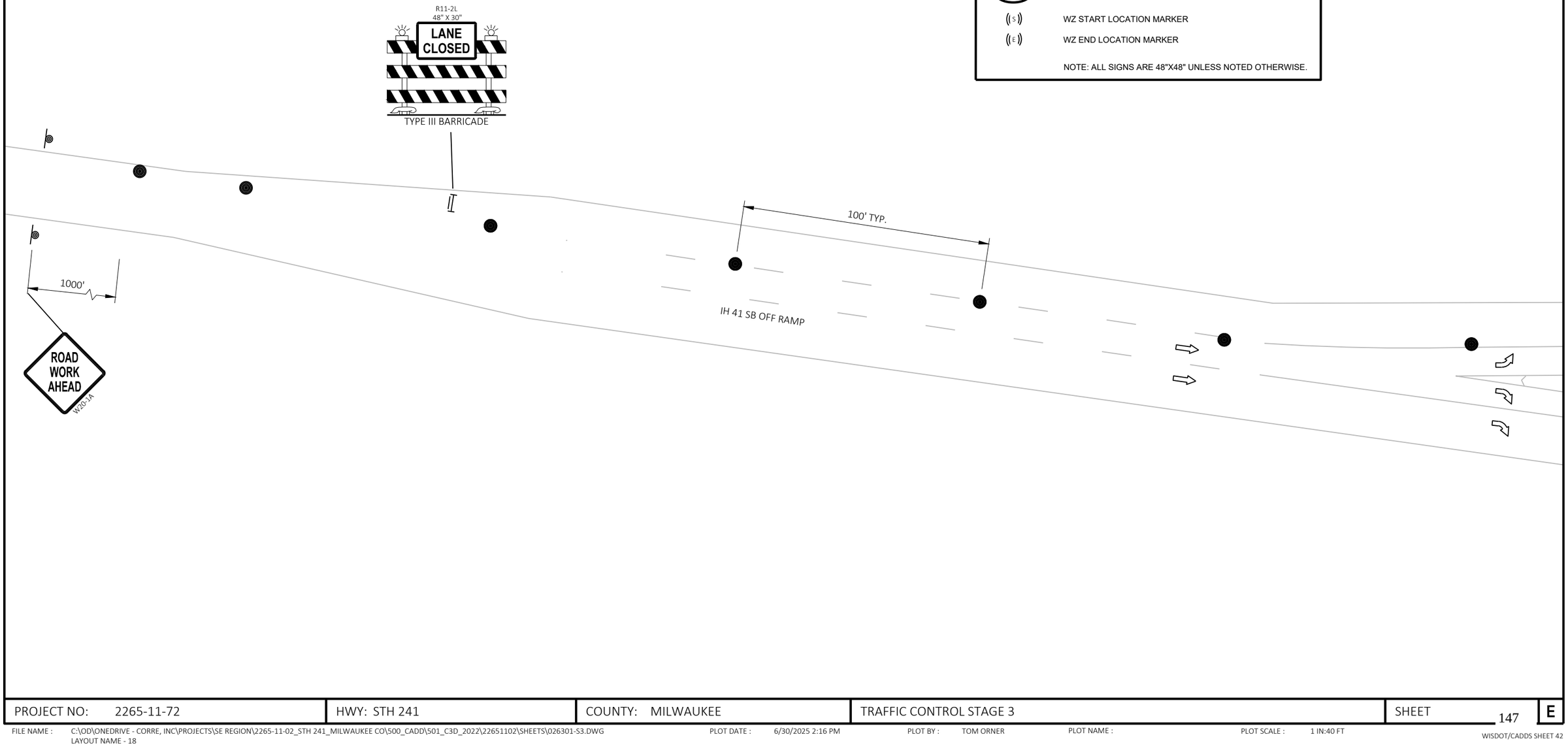
2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3	SHEET 147	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026301-S3.DWG
LAYOUT NAME - 18

PLOT DATE : 6/30/2025 2:16 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

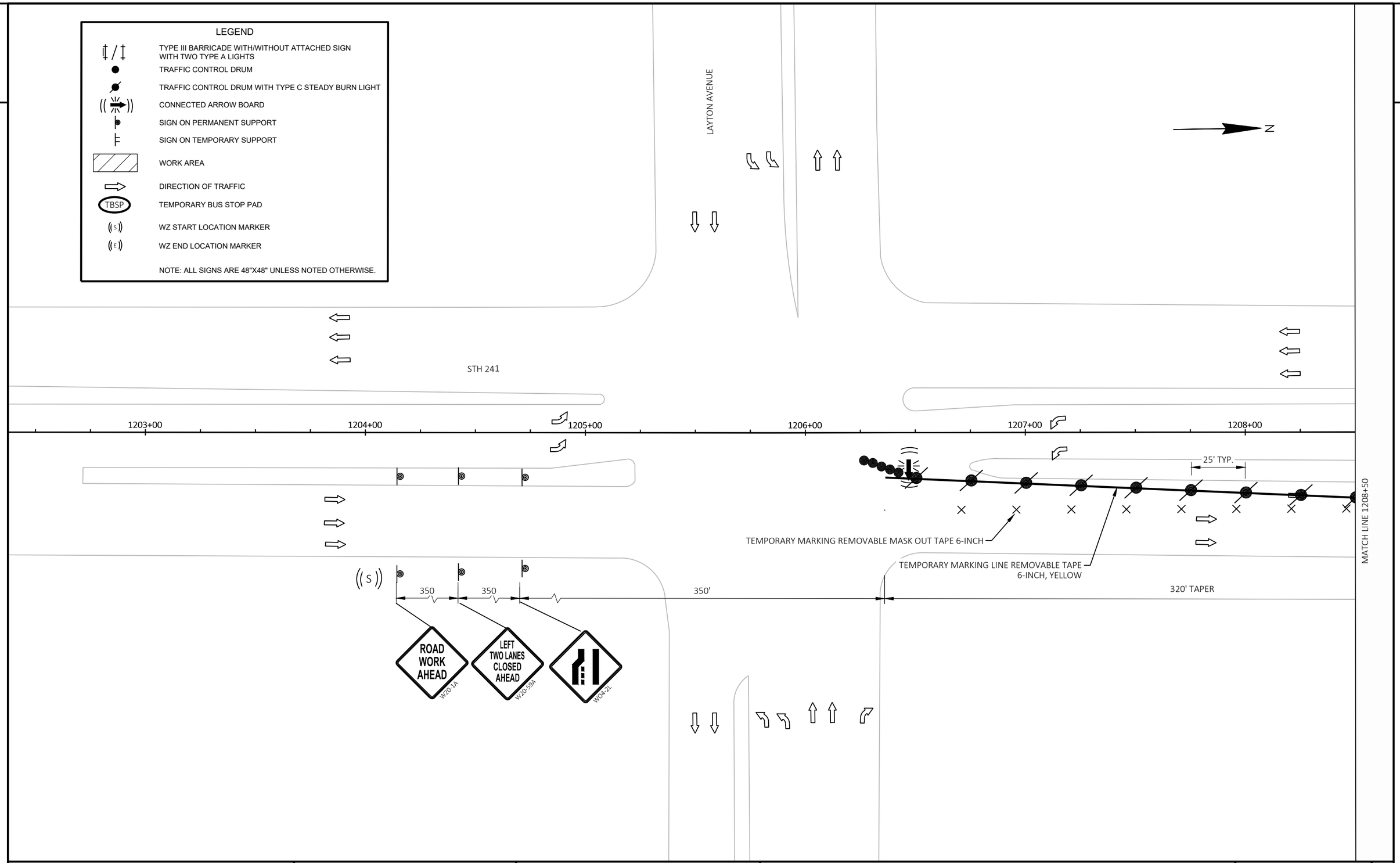
2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 148	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 01
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

MATCH LINE 1208+50

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

1209+00 1210+00 1211+00 1212+00 1213+00 1214+00

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

25' TYP.

640'

W04-2L

MATCH LINE 1214+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 149	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

IH 41 SB OFF RAMP

MATCH LINE 1214+25

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

STH 241

1215+00 1216+00 1217+00 1218+00 1219+00 1220

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

25' TYP.

320' TAPER

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

MATCH LINE 1220+00

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 150	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 03

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

500'

500'

500'

BOTTSFORD AVENUE

(E)

MATCH LINE 1220+00

STH 241

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

BEGIN PROJECT
STA 1224+59

15' TYP.

1220+00 1221+00 1222+00 1223+00 1224+00 1225+00

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW

543' BUFFER

100' TYP.

MATCH LINE 1225+75

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

WO1-6
48" X 24"
TYPE III BARRICADE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 151	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 04
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

50' TYP.

MATCH LINE 1225+75

STH 241

1226+00 1227+00 1228+00 1229+00 1230+00 1231

MATCH LINE 1231+00

WHITTAKER AVENUE

500'

500'

ONE WAY
R6-2R
24"X30"

R3-2
24"X24"

ONE WAY
R6-1R
36"X12"

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

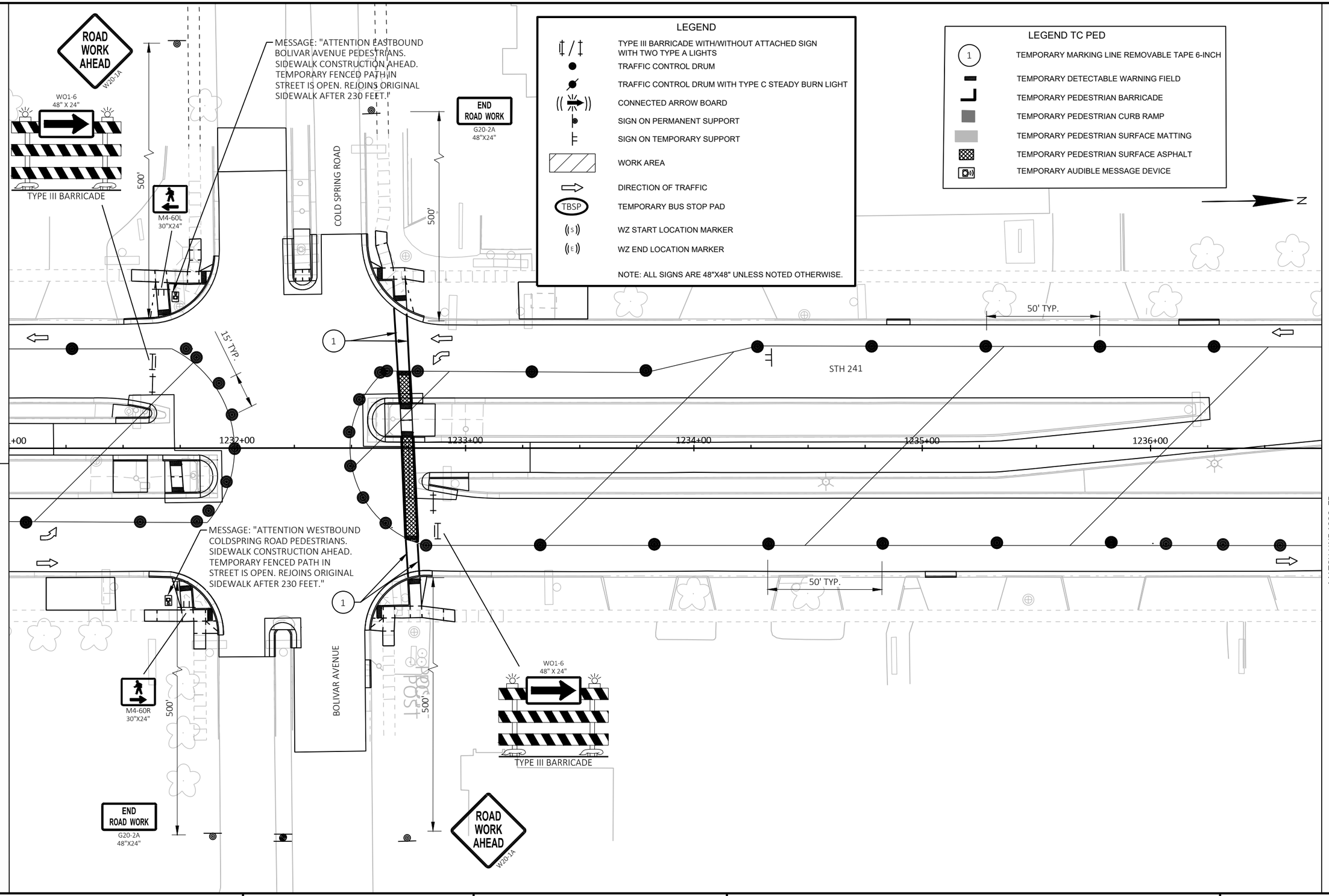
END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 152	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 05
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 153	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 06
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

LEGEND TC PED

- 1 — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY AUDIBLE MESSAGE DEVICE

N

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

MESSAGE: "ATTENTION EASTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 200 FEET."

M4-60L
30"X24"

MATCH LINE 1236+75

50' TYP.

25' TYP.

STH 241

1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

MATCH LINE 1242+50

25' TYP.

MESSAGE: "ATTENTION WESTBOUND PLAINFIELD AVENUE PEDESTRIANS. SIDEWALK CONSTRUCTION AHEAD. TEMPORARY FENCED PATH IN STREET IS OPEN. REJOINS ORIGINAL SIDEWALK AFTER 200 FEET."

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

M4-60R
30"X24"

500'

PLAINFIELD AVENUE

RIGHT TURN ONLY
R3-53R
24"X30"

500'

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

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 154	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 07

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N

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

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

25' TYP.

50' TYP.

STH 241

MATCH LINE 1242+50

1243+00 1244+00 1245+00 1246+00 1247+00 1248+00

50' TYP.

MATCH LINE 1248+25

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 155	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 08

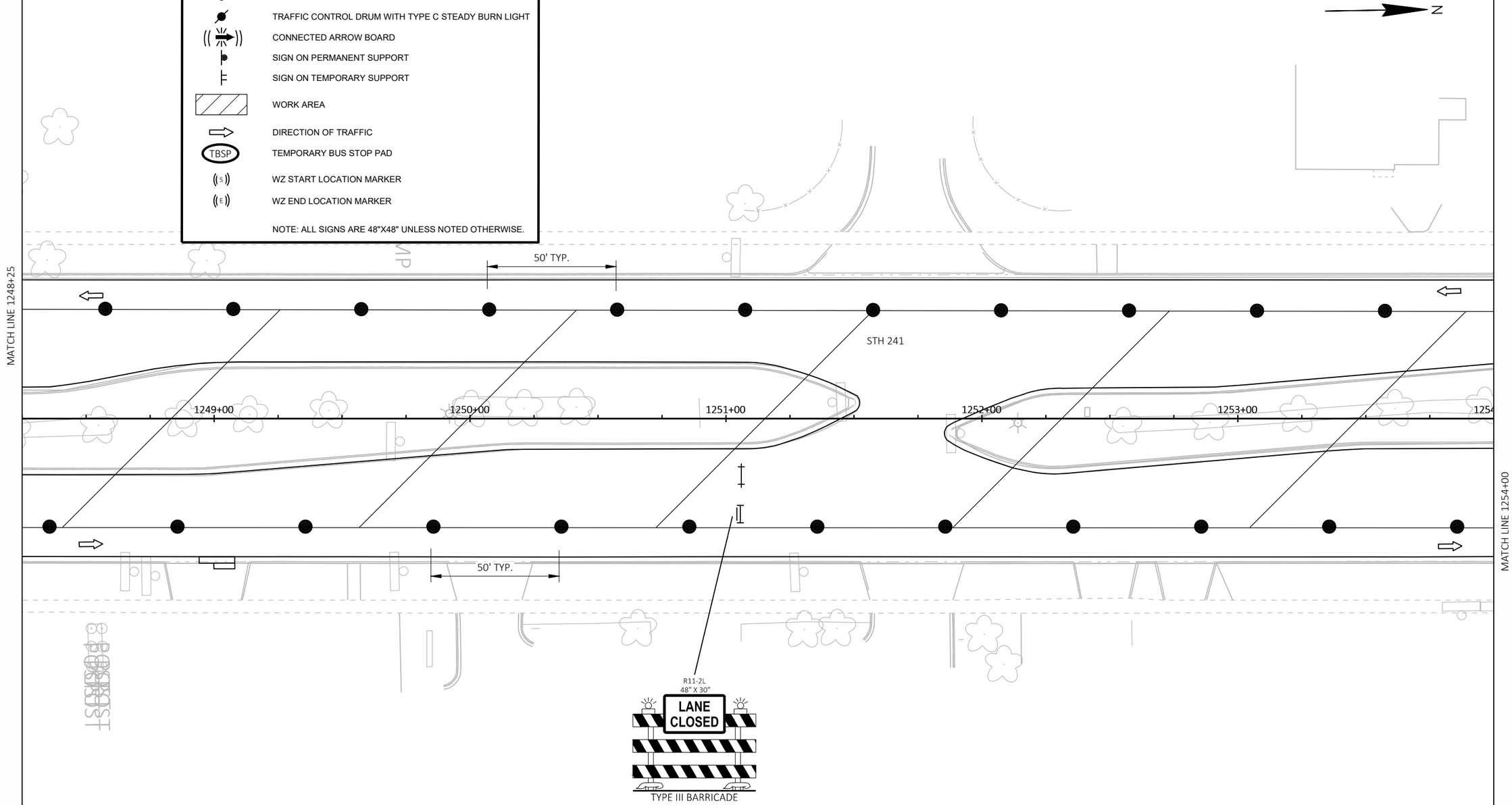
PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 156	E

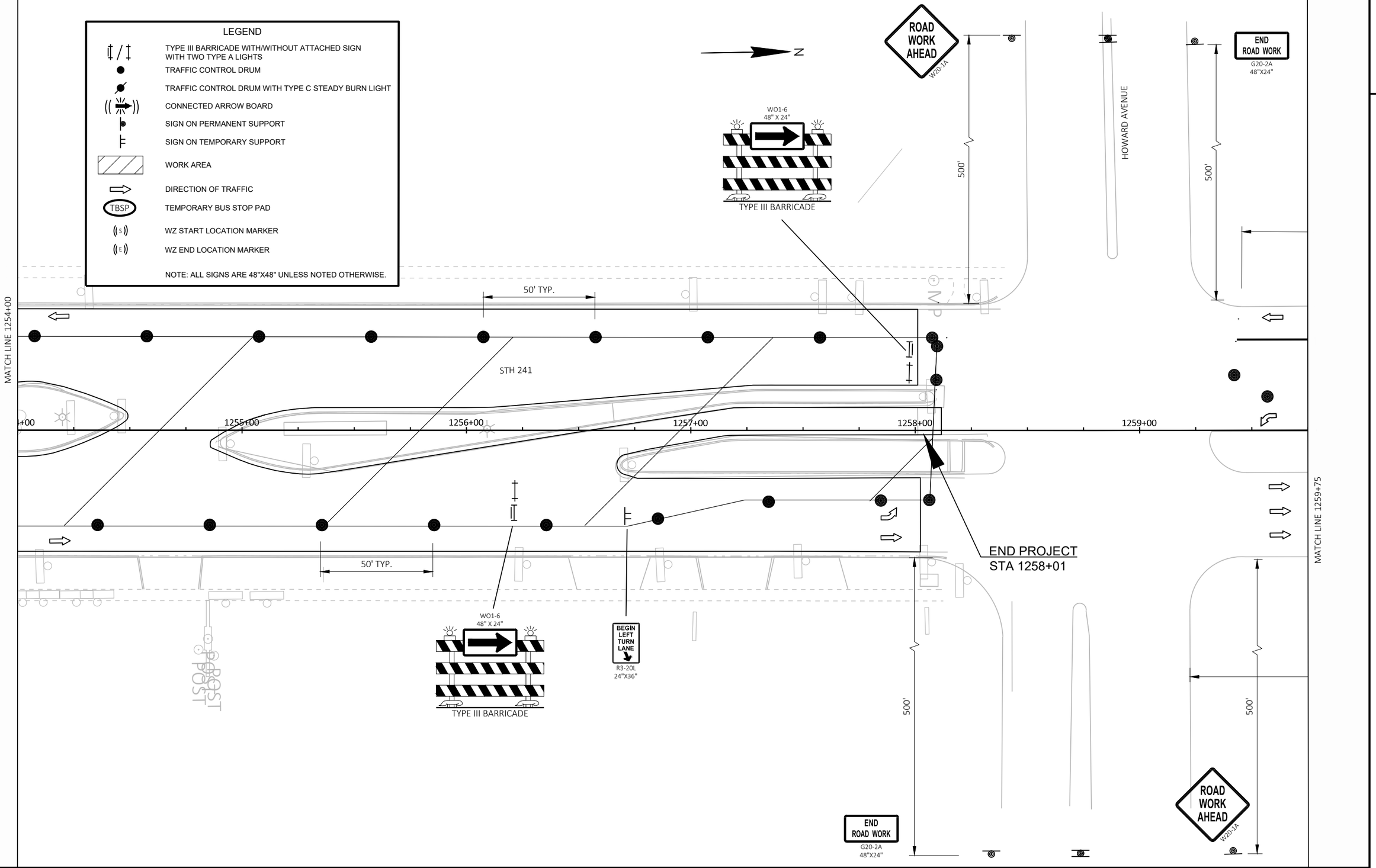
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 09
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 157	E

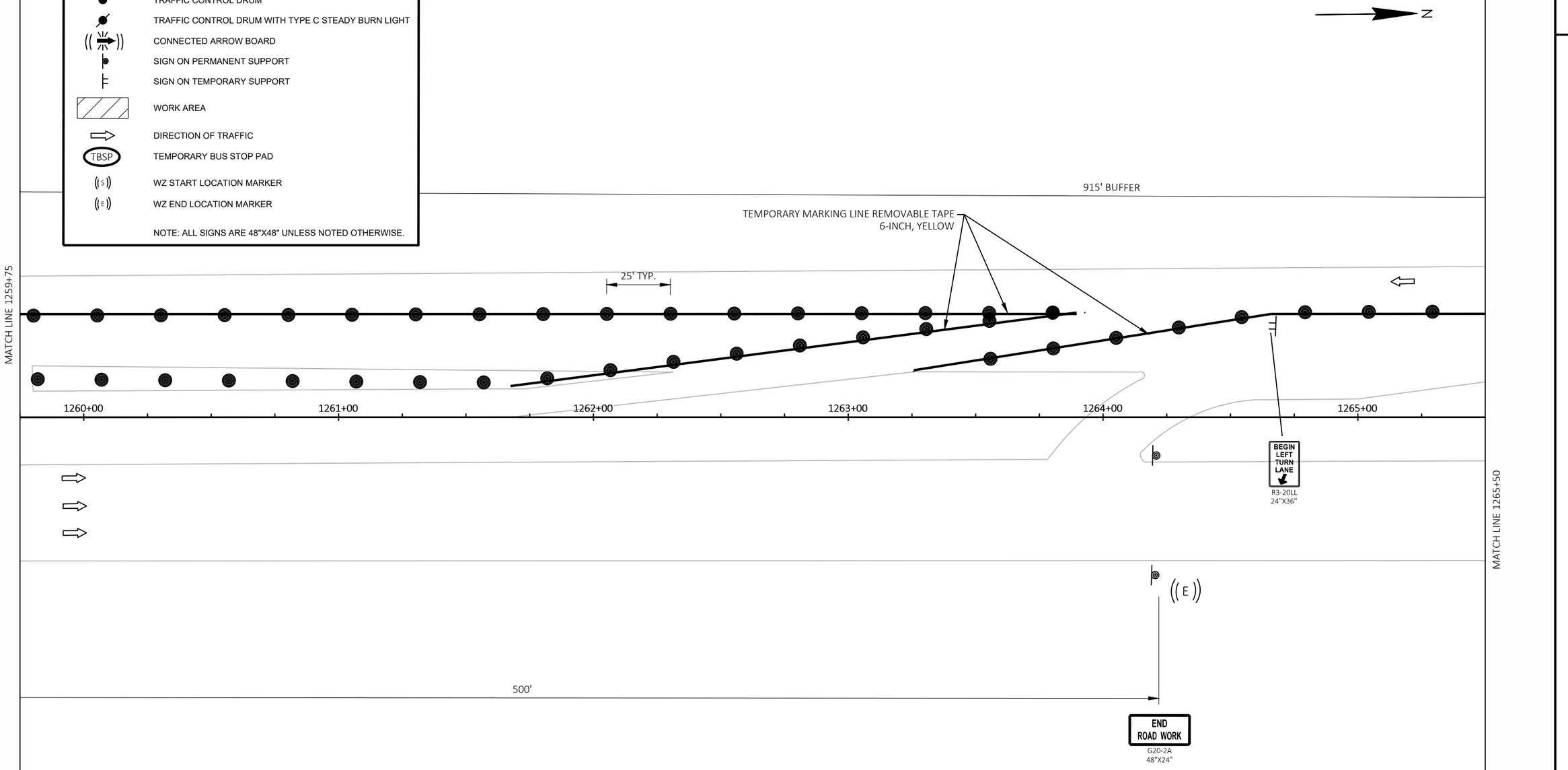
FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 10
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

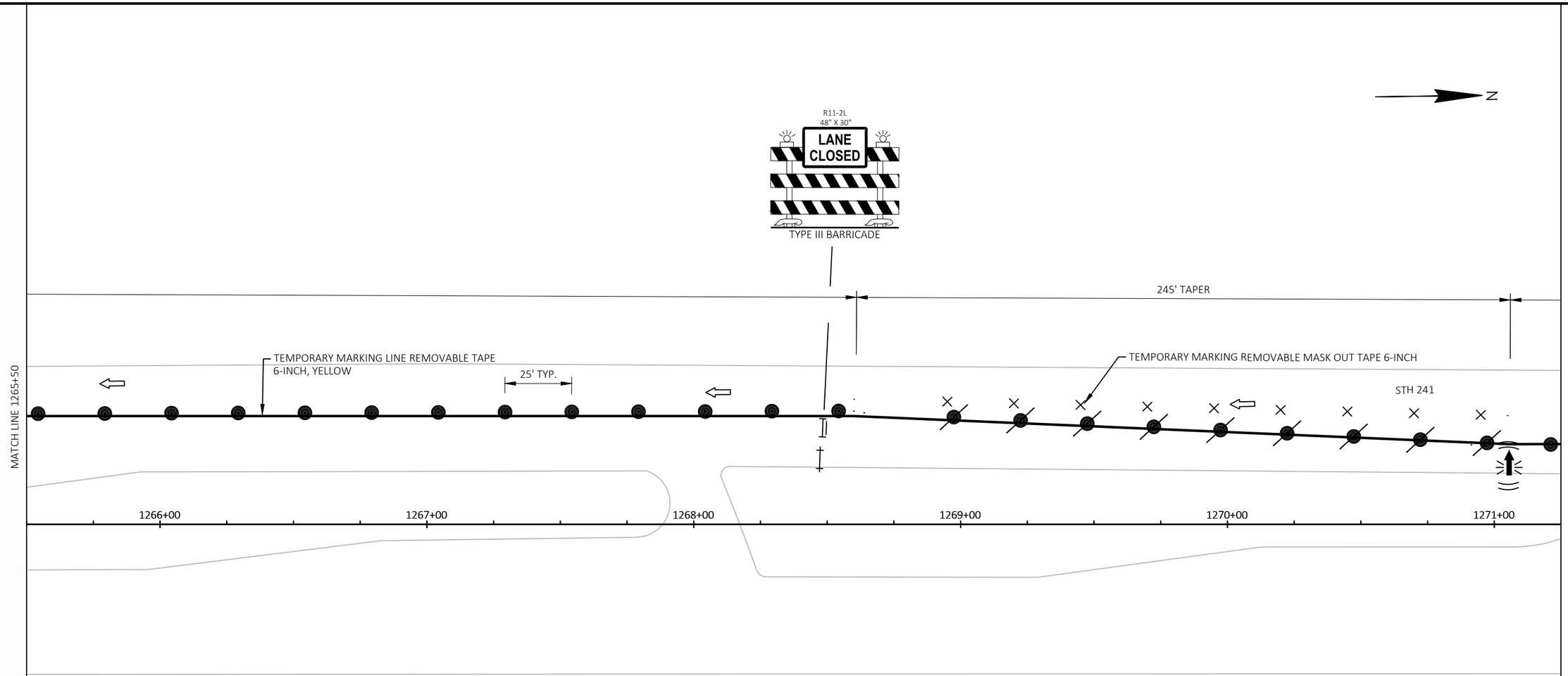


PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 158	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 11

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



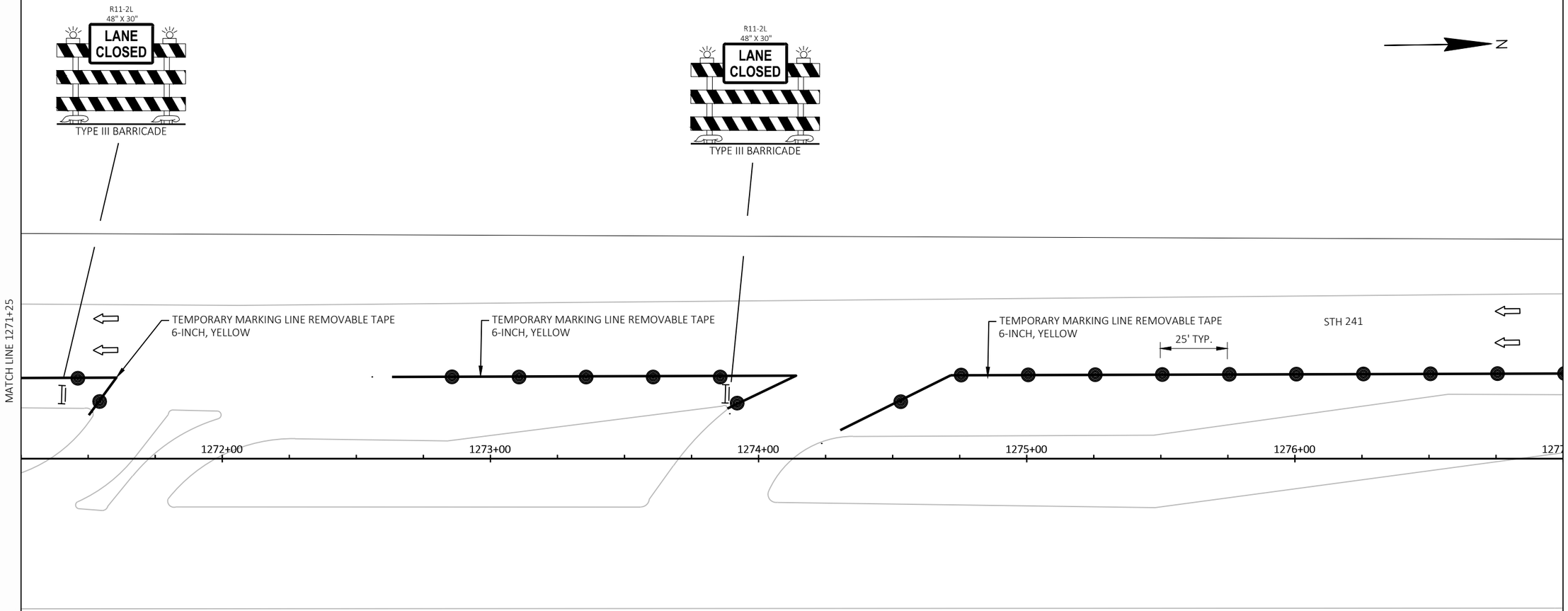
LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 159	E

2



LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 160	E

2

2

LOOMIS AVENUE

R11-2L
48" X 30"
LANE CLOSED

TYPE III BARRICADE

W04-2L

1830'

N

MATCH LINE 1277+00

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

STH 241

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

1278+00 1279+00 1280+00 1281+00 1282+00

MATCH LINE 1282+75

LEGEND

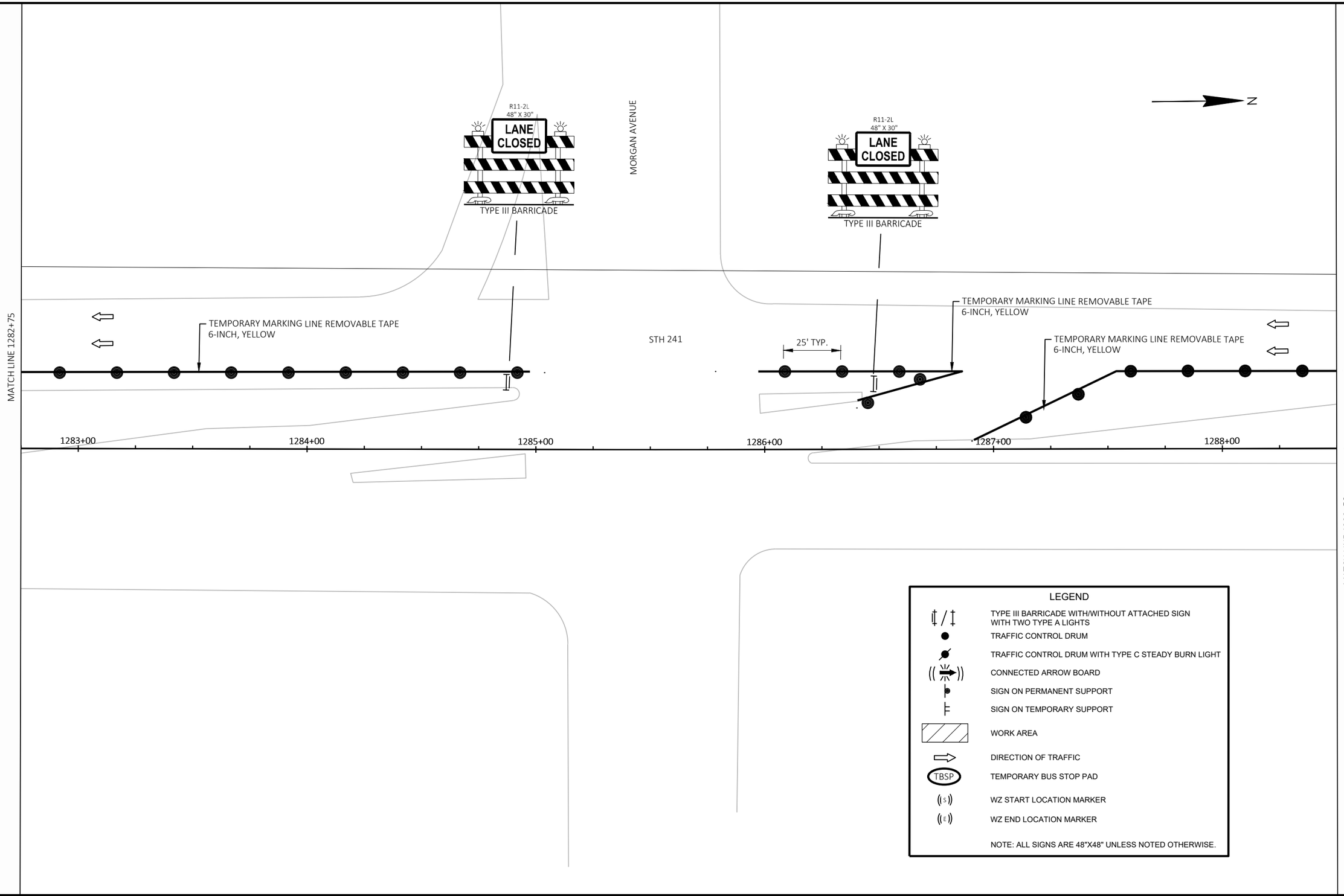
	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	CONNECTED ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
TBSP	TEMPORARY BUS STOP PAD
S	WZ START LOCATION MARKER
E	WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 161	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 14
PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	CONNECTED ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
TBSP	TEMPORARY BUS STOP PAD
S	WZ START LOCATION MARKER
E	WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

2

N

HOLT AVENUE







245' TAPER

350'

350'

350'

(S)

MATCH LINE 1288+50

25' TYP.

TEMPORARY MARKING LINE REMOVABLE TAPE
6-INCH, YELLOW

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH

STH 241

1289+00

1290+00

1291+00

1292+00

1293+00

1294+00

LEGEND

	TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	CONNECTED ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
TBSP	TEMPORARY BUS STOP PAD
(S)	WZ START LOCATION MARKER
(E)	WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 163	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 16
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20.1A

1000'

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

NOTE:
ALTERNATE CLOSING INTERSECTIONS AND MEDIAN TURN AROUNDS TO COMPLETE MEDIAN WORK.

N

IH41 NB OFF RAMP

101' TYP.

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

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 164	E

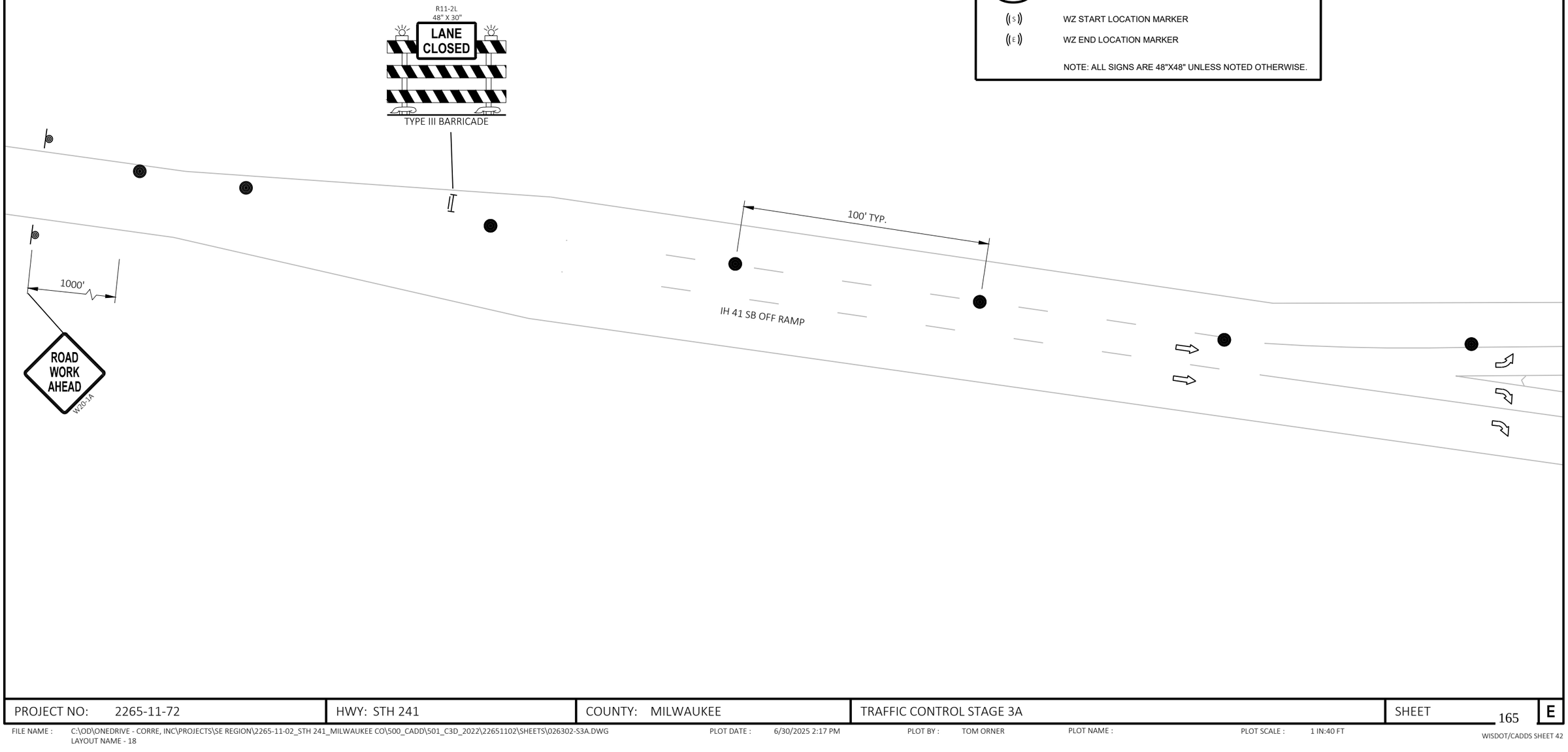
2

LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN WITH TWO TYPE A LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- CONNECTED ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- TBSP — TEMPORARY BUS STOP PAD
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

NOTE: ALL SIGNS ARE 48"X48" UNLESS NOTED OTHERWISE.

N



PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC CONTROL STAGE 3A	SHEET 165	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\026302-S3A.DWG
LAYOUT NAME - 18
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

A C E G
M05-1L 21"X21" | M05-2L 21"X21" | M06-1 21"X21" | M06-2 21"X21"

B D F H I
M05-1R 21"X21" | M05-2R 21"X21" | M06-1 21"X21" | M06-2 21"X21" | M06-1 21"X21"

1 DETOUR M4-8 24"X12" / SOUTH M3-3 24"X12" / 241 M1-6 24"X24"

2 DETOUR M4-8 24"X12" / NORTH M3-1 24"X12" / 241 M1-6 24"X24"

3 END DETOUR M4-8A 24"X18" / 241 M1-6 24"X24"

4 NORTH M3-1 24"X12" / 241 M1-6 24"X24"

5 DETOUR AHEAD W20-2A

6 ROAD CLOSED AHEAD W20-3A

7 ROAD CLOSED 500 FT W20-3D

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE WITH ATTACHED SIGN

NOTE:
USE SIZE 3 SIGNS ON IH 43/41/894.

FOREST HOME AVENUE

HONEY CREEK

HOWARD AVENUE

LOOMIS ROAD

27TH STREET

INTERSTATE 43 | INTERSTATE 41 | INTERSTATE 894

36 | 241 | 41

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

500' 300' 300' 500'

N

2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	DETOUR	SHEET 166	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\027001-DT.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:1000 FT

2

2

N

W BOTTSFORD AVE

W COLD SPRING RD

PI: 1232+24.22

STH 241

Y = 273345.005
X = 595506.811

1222 1224 1226 N0°47'43"E 1228 1230 1232 1234 1236

MATCH LINE 1237+00

BEGIN PROJECT
STA 1224+59

W WHITAKAR AVE

W BOLIVAR AVE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 167	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\027201-AD.DWG
LAYOUT NAME - 01

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

STH 241

1238 1240 1242 1244 N0°50'47"E 1246 1248 1250 12

MATCH LINE 1237+00

MATCH LINE 1252+00

W PLAINFIELD AVE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 168	E

2

2

N

MATCH LINE 1252+00

52

1254

1256

1258

1260

1262

N0°46'48"E

1264

1266

STH 241

PI: 1258+80.13

Y = 276000.542
X = 595546.020

END PROJECT
STA 1258+01

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 169	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\027201-AD.DWG
LAYOUT NAME - 03

PLOT DATE : 6/30/2025 2:17 PM PLOT BY : TOM ORNER PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

I-43/894 OFF RAMP

CP 2207
FENO MONUMENT
STA 1216+17.75, 69.33' LT
N= 271739.571
E= 595415.194
EL= 716.354

N

HMOD

STH 241

1215+00 1216+00 N0°47'43"E 1217+00

I-43/894 ON RAMP

N

STH 241

CP 122167
FENO MONUMENT
STA 1221+67.11, 8.50' LT
N= 272288.030
E= 595483.639
EL= 699.074

1221+00 1222+00 1223+00

2

POST

N

CP 901
FENO MONUMENT
STA 1227+56.15, 9.33' LT
N= 272877.028
E= 595490.986
EL= 696.260

STH 241

1227+00 1228+00 1229+00

W WHITAKER AVE

W COLD SPRING RD

N

PI: 1232+24.22

1231+00 1232+00 N0°50'47"E 1233+00

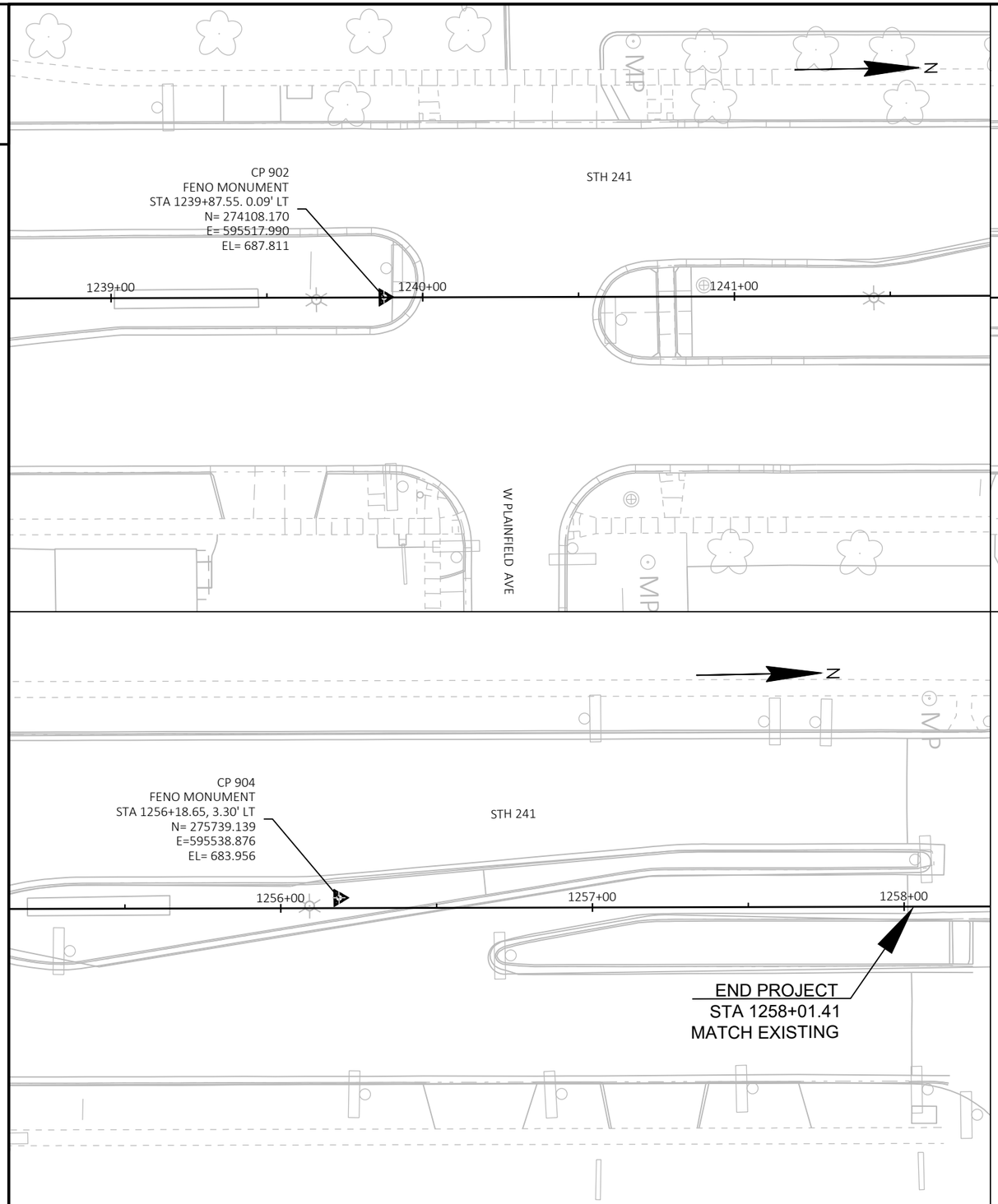
CP 910
FENO MONUMENT
STA 1231+73.05, 63.94' RT
N= 273292.872
E= 595570.031
EL= 693.639

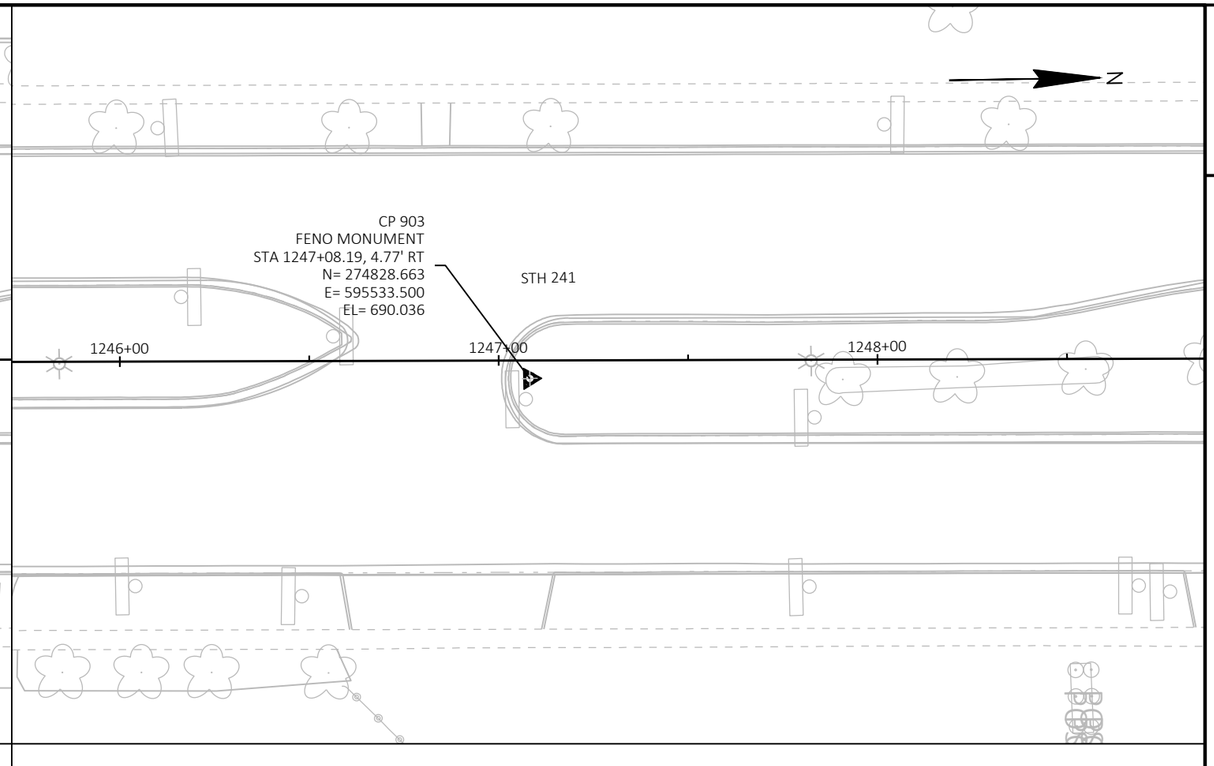
STH 241

W BOLIVAR AVE

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 170	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\027202-AD.DWG
LAYOUT NAME - 01
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





2

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	ALIGNMENT DETAILS - SURVEY CONTROL	SHEET 171	E

FILE NAME : C:\OD\ONEDRIVE - CORRE, INC\PROJECTS\SE REGION\2265-11-02_STH 241_MILWAUKEE CO\500_CADD\501_C3D_2022\22651102\SHEETS\027202-AD.DWG
LAYOUT NAME - 02
PLOT DATE : 6/30/2025 2:17 PM
PLOT BY : TOM ORNER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Estimate Of Quantities

2265-11-72

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0004	201.0105	Clearing	STA	1.000	1.000
0006	201.0205	Grubbing	STA	1.000	1.000
0008	204.0110	Removing Asphaltic Surface	SY	850.000	850.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	82.000	82.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	29,800.000	29,800.000
0014	204.0150	Removing Curb & Gutter	LF	1,140.000	1,140.000
0016	204.0155	Removing Concrete Sidewalk	SY	680.000	680.000
0018	204.0170	Removing Fence	LF	14.000	14.000
0020	204.0195	Removing Concrete Bases	EACH	5.000	5.000
0022	204.9060.S	Removing (item description) 01. Loop Detector Wire and Lead-In Cable STH 241 & Coldspring Rd	EACH	1.000	1.000
0024	204.9060.S	Removing (item description) 02. Loop Detector Wire and Lead-In Cable STH 241 & W. Howard Ave	EACH	1.000	1.000
0026	204.9060.S	Removing (item description) 03. Electrical Service Meter Breaker Pedestal	EACH	1.000	1.000
0028	206.5001	Cofferdams (structure) 01. C-40-42	EACH	1.000	1.000
0030	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 2265-11-72	EACH	1.000	1.000
0032	213.0100	Finishing Roadway (project) 01. 2265-11-72	EACH	1.000	1.000
0034	390.0100	Removing Pavement for Base Patching	CY	120.000	120.000
0036	390.0305	Base Patching Concrete HES	CY	128.000	128.000
0038	416.0610	Drilled Tie Bars	EACH	66.000	66.000
0040	416.0620	Drilled Dowel Bars	EACH	328.000	328.000
0042	455.0605	Tack Coat	GAL	4,363.000	4,363.000
0044	460.2000	Incentive Density HMA Pavement	DOL	4,720.000	4,720.000
0046	460.6223	HMA Pavement 3 MT 58-28 S	TON	4,140.000	4,140.000
0048	460.6424	HMA Pavement 4 MT 58-28 H	TON	3,220.000	3,220.000
0050	465.0105	Asphaltic Surface	TON	67.000	67.000
0052	465.0110	Asphaltic Surface Patching	TON	76.000	76.000
0054	465.0125	Asphaltic Surface Temporary	TON	101.000	101.000
0056	509.1500	Concrete Surface Repair	SF	94.000	94.000
0058	601.0331	Concrete Curb & Gutter 31-Inch	LF	1,012.000	1,012.000
0060	601.0600	Concrete Curb Pedestrian	LF	185.000	185.000
0062	602.0410	Concrete Sidewalk 5-Inch	SF	5,830.000	5,830.000
0064	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	300.000	300.000
0066	611.0660	Inlet Covers Type WM	EACH	2.000	2.000
0068	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000
0070	611.8115	Adjusting Inlet Covers	EACH	5.000	5.000
0072	612.0106	Pipe Underdrain 6-Inch	LF	44.000	44.000
0074	616.0206	Fence Chain Link 6-FT	LF	10.000	10.000
0076	616.0329	Gates Chain Link (width) 01. 4-Ft	EACH	1.000	1.000
0078	618.0100	Maintenance and Repair of Haul Roads (project) 01. 2265-11-72	EACH	1.000	1.000
0080	619.1000	Mobilization	EACH	1.000	1.000
0082	620.0300	Concrete Median Sloped Nose	SF	367.000	367.000
0084	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0086	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0088	628.7010	Inlet Protection Type B	EACH	10.000	10.000
0090	628.7015	Inlet Protection Type C	EACH	55.000	55.000
0092	628.7020	Inlet Protection Type D	EACH	40.000	40.000
0094	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	67.000	67.000

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Line	Item	Item Description	Unit	Total	Qty
0096	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	10.000	10.000
0098	637.2210	Signs Type II Reflective H	SF	780.380	780.380
0100	637.2230	Signs Type II Reflective F	SF	78.250	78.250
0102	638.2602	Removing Signs Type II	EACH	110.000	110.000
0104	638.3000	Removing Small Sign Supports	EACH	70.000	70.000
0106	642.5401	Field Office Type D	EACH	1.000	1.000
0108	643.0300	Traffic Control Drums	DAY	96,265.000	96,265.000
0110	643.0420	Traffic Control Barricades Type III	DAY	11,050.000	11,050.000
0112	643.0705	Traffic Control Warning Lights Type A	DAY	22,590.000	22,590.000
0114	643.0715	Traffic Control Warning Lights Type C	DAY	6,870.000	6,870.000
0116	643.0810.S	Connected Arrow Board	DAY	663.000	663.000
0118	643.0900	Traffic Control Signs	DAY	34,680.000	34,680.000
0120	643.1050	Traffic Control Signs PCMS	DAY	27.000	27.000
0122	643.1220.S	Connected Work Zone Start and End Location Markers	DAY	825.000	825.000
0124	643.3165	Temporary Marking Line Paint 6-Inch	LF	14,420.000	14,420.000
0126	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	27,280.000	27,280.000
0128	643.3960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	3,938.000	3,938.000
0130	643.5000	Traffic Control	EACH	1.000	1.000
0132	644.1410	Temporary Pedestrian Surface Asphalt	SF	3,063.000	3,063.000
0134	644.1440	Temporary Pedestrian Surface Matting	SF	1,600.000	1,600.000
0136	644.1601	Temporary Pedestrian Curb Ramp	DAY	282.000	282.000
0138	644.1605	Temporary Pedestrian Detectable Warning Field	SF	338.000	338.000
0140	644.1810	Temporary Pedestrian Barricade	LF	2,975.000	2,975.000
0142	644.1900.S	Temporary Audible Message Devices	DAY	745.000	745.000
0144	646.1020	Marking Line Epoxy 4-Inch	LF	130.000	130.000
0146	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	3,080.000	3,080.000
0148	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	14,500.000	14,500.000
0150	646.3020	Marking Line Epoxy 8-Inch	LF	370.000	370.000
0152	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	2,900.000	2,900.000
0154	646.5020	Marking Arrow Epoxy	EACH	13.000	13.000
0156	646.5120	Marking Word Epoxy	EACH	4.000	4.000
0158	646.6120	Marking Stop Line Epoxy 18-Inch	LF	240.000	240.000
0160	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	870.000	870.000
0162	646.8120	Marking Curb Epoxy	LF	870.000	870.000
0164	646.8220	Marking Island Nose Epoxy	EACH	13.000	13.000
0166	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,197.000	1,197.000
0168	650.8000	Construction Staking Resurfacing Reference	LF	13,400.000	13,400.000
0170	650.8501	Construction Staking Electrical Installations (project) 01. 2265-11-72	EACH	1.000	1.000
0172	650.9000	Construction Staking Curb Ramps	EACH	32.000	32.000
0174	650.9500	Construction Staking Sidewalk (project) 01. 2265-11-72	EACH	1.000	1.000
0176	650.9911	Construction Staking Supplemental Control (project) 01. 2265-11-72	EACH	1.000	1.000
0178	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	88.000	88.000
0180	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	220.000	220.000
0182	652.0605	Conduit Special 2-Inch	LF	655.000	655.000
0184	652.0800	Conduit Loop Detector	LF	2,310.000	2,310.000
0186	653.0135	Pull Boxes Steel 24x36-Inch	EACH	1.000	1.000
0188	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000	4.000
0190	653.0900	Adjusting Pull Boxes	EACH	1.000	1.000
0192	653.0905	Removing Pull Boxes	EACH	2.000	2.000

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Line	Item	Item Description	Unit	Total	Qty
0194	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0196	655.0230	Cable Traffic Signal 5-14 AWG	LF	80.000	80.000
0198	655.0240	Cable Traffic Signal 7-14 AWG	LF	200.000	200.000
0200	655.0260	Cable Traffic Signal 12-14 AWG	LF	590.000	590.000
0202	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	520.000	520.000
0204	655.0700	Loop Detector Lead In Cable	LF	9,979.000	9,979.000
0206	655.0800	Loop Detector Wire	LF	9,525.000	9,525.000
0208	657.0100	Pedestal Bases	EACH	3.000	3.000
0210	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	1.000	1.000
0212	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0214	658.0174	Traffic Signal Face 4S 12-Inch	EACH	2.000	2.000
0216	658.0416	Pedestrian Signal Face 16-Inch	EACH	2.000	2.000
0218	658.0500	Pedestrian Push Buttons	EACH	7.000	7.000
0220	658.5070	Signal Mounting Hardware (location) 01. STH 241 & Coldspring Rd	EACH	1.000	1.000
0222	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	4.000	4.000
0224	690.0150	Sawing Asphalt	LF	1,676.000	1,676.000
0226	690.0250	Sawing Concrete	LF	766.000	766.000
0228	740.0440	Incentive IRI Ride	DOL	7,600.000	7,600.000
0230	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	250.000	250.000
0232	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	900.000	900.000
0234	SPV.0060	Special 01. Pedestrian Push Button Extension	EACH	2.000	2.000
0236	SPV.0060	Special 02. Modify Traffic Signal STH 241 & Coldspring	EACH	1.000	1.000
0238	SPV.0060	Special 03. Adjusting CUC Manhole Cover	EACH	2.000	2.000
0240	SPV.0060	Special 04. Adjusting Sanitary Manhole with Internal/External Seal	EACH	8.000	8.000
0242	SPV.0060	Special 05. Adjusting Water Valve Boxes	EACH	6.000	6.000
0244	SPV.0060	Special 06. Temporary Bus Stop	EACH	8.000	8.000
0246	SPV.0060	Special 07. Curb Ramp Grading, Shaping, and Finishing	EACH	32.000	32.000
0248	SPV.0060	Special 08. Cleaning Storm Sewer Structure & Pipes	EACH	5.000	5.000
0250	SPV.0060	Special 09. Section Corner Monument	EACH	1.000	1.000
0252	SPV.0060	Special 10. Tuck Point Storm Sewer Structure	EACH	4.000	4.000
0254	SPV.0060	Special 302. Pullboxes 13" x 24" x 24"	EACH	12.000	12.000
0256	SPV.0090	Special 01. Construction Staking Fence	LF	10.000	10.000
0258	SPV.0090	Special 351. Split Duct Conduit	LF	10.000	10.000
0260	SPV.0165	Special 01. Concrete Surface Repair Full-Depth	SF	15.000	15.000
0262	SPV.0165	Special 02. Remove, Salvage, and Reinstall Landscaping Rocks	SF	60.000	60.000
0264	SPV.0195	Special 01. Asphaltic Repair	TON	368.000	368.000

CLEARING AND GRUBBING ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010								
	1	STH 241	1222+00	-	1223+00	98.0' LT	1	1
		TOTAL					1	1

ASPHALT REMOVALS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
0010									
	1 & 2	STH 241	1224+59	-	1258+01	LT/RT	610	57	12,200
		SUBTOTAL					610	57	12,200
	3	STH 241	1224+59	-	1258+01	LT/RT	240	25	17,600
		SUBTOTAL					240	25	17,600
		TOTAL					850	82	29,800

CONCRETE REMOVALS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY
0010								
	1	STH 241	1224+59	-	1258+01	RT	450	210
			1224+59	-	1258+01	LT	310	230
		SUBTOTAL					760	440
	3	STH 241	1224+59	-	1258+01	MEDIAN	380	240
		SUBTOTAL					380	240
		TOTAL					1,140	680

REMOVING FENCE

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	204.0170 REMOVING FENCE LF
0010							
	1	STH 241	1222+52	-	1222+62	88.0' LT	14
		TOTAL					14

REMOVING ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	STAGE	ROADWAY	STATION	O/S	204.9060.S.03 REMOVING ELECTRICAL SERVICE METER BREAKER PEDESTAL EA
0010					
	2	STH 241	1233+41	67' LT	1
		TOTAL			1

BASE PATCHING CONCRETE

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	* 390.0305 BASE PATCHING CONCRETE HES CY	* 416.0610 DRILLED TIE BARS EA	416.0620 DRILLED DOWEL BARS EA
0010										
	1 & 2	STH 241 SIGNAL LOOPS	1224+59	-	1258+01	LT/RT	23	29	15	160
		COLDSPRING	1231+92	-	1232+22	LT	15	15	--	22
		SUBTOTAL					38	44	15	182
	3	STH 241	1239+66	-	1240+18	MEDIAN NOSE EXTENSION	24	24	--	--
		STH 241 SIGNAL LOOPS	1224+59	-	1258+01	MEDIAN	21	21	15	80
		SUBTOTAL					45	45	15	80
		UNDISTRIBUTED					37	37	8	66
		TOTAL					120	126	38	328

*QUANTITIES SHOWN ELSEWHERE ON PLAN

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ASPHALTIC PAVING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	SPV.0195.01 ASPHALTIC REPAIR TON	REMARKS
0010														
	1 & 2	STH 241	1224+59	-	1258+01	LT/RT	1,790	1,730	1,350	--	31	65	--	MINOR REPAIR PRIOR TO OVERLAY
		INTERSECTIONS	1231+92	-	1232+56	COLDSPRING/BOLIVAR	43	--	--	37	1	6	--	MINOR REPAIR PRIOR TO OVERLAY
		SUBTOTAL					1,833	1,730	1,350	37	32	71	--	
	3	STH 241	1224+59	-	1258+01	LT/RT	2,530	2,410	1,870	30	44	30	--	MINOR REPAIR PRIOR TO OVERLAY
		SUBTOTAL					2,530	2,410	1,870	30	44	30	--	
		UNDISTRIBUTED					--	--	--	--	--	--	368	
		TOTAL					4,363	4,140	3,220	67	76	101	368	

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	601.0331 CONCRETE CURB & GUTTER 31-INCH LF	601.0600 CONCRETE CURB PEDESTRIAN LF	612.0106 PIPE UNDERDRAIN 6-INCH LF
0010									
	1	STH 241	1224+59	-	1258+01	RT	434	65	--
			1224+59	-	1258+01	LT	291	47	--
		SUBTOTAL					725	112	--
	3	STH 241	1224+59	-	1258+01	RT	139	--	--
			1224+59	-	1258+01	LT	148	--	--
			1224+59	-	1258+01	MEDIANS	--	73	--
		SUBTOTAL					287	73	--
		UNDISTRIBUTED							44
		TOTAL					1,012	185	44

CONCRETE SIDEWALK

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF
0010								
	1	STH 241	1224+59	-	1258+01	RT	2,130	110
			1224+59	-	1258+01	LT	2,080	90
		SUBTOTAL					4,210	200
	3	STH 241	1224+59	-	125,801	MEDIANS	1,620	100
		SUBTOTAL					1,620	100
		TOTAL					5,830	300

ADJUSTING INLET COVERS

CATEGORY	STAGE	ROADWAY	STATION	O/S	* 416.0610 DRILLED TIE BARS EA	611.0660 INLET COVERS TYPE WM EA	611.8115 ADJUSTING INLET COVERS EA	SPV.0060.08 CLEANING STORM SEWER STRUCTURE & PIPES EA	SPV.0060.10 TUCK POINT STORM SEWER STRUCTURE EA	FIELD VERIFY ALL ELEVATIONS RIM ELEVATIONS
0010										
	1	STH 241	1224+41	59' LT	-	-	-	-	1	--
			1225+28	52' RT	-	-	-	1	-	--
			1227+78	87' RT	4	-	1	1	-	694.32
			1231+62	55' RT	-	-	-	-	1	--
			1235+09	55' RT	4	-	1	-	-	690.20
			1237+62	55' RT	4	-	1	-	-	688.42
			1240+86	56' LT	4	-	1	-	-	686.12
			1242+84	53' LT	-	1	-	-	-	--
			1254+84	53' RT	-	1	-	-	-	--
		SUBTOTAL			16	2	4	2	2	
	3	STH 241	1225+40	11' LT	-	-	-	1	-	--
			1228+31	11' RT	-	-	-	1	-	--
			1228+41	10' RT	-	-	-	1	-	--
			1231+80	4' RT	4	-	1	-	-	693.67
			1236+06	10' LT	-	-	-	-	1	--
			1236+21	12' LT	-	-	-	-	1	--
		SUBTOTAL			4	-	1	3	2	
		TOTAL			20	2	5	5	4	

*QUANTITIES
SHOWN ELSEWHERE
ON PLAN

ADJUSTING MANHOLES

CATEGORY	STAGE	ROADWAY	STATION	O/S	* 390.0305 BASE PATCHING CONCRETE HES CY	* 416.0610 DRILLED TIE BARS EA	611.8110 ADJUSTING MANHOLE COVERS EA	* 690.0250 SAWING CONCRETE LF	FIELD VERIFY ALL ELEVATIONS RIM ELEVATION
0010									
	1	STH 241	1229+93	53' RT	1	4	1	6	694.81
			1249+02	55' RT	1	4	1	24	689.31
		TOTAL			2	8	2	30	

*QUANTITIES SHOWN ELSEWHERE ON PLAN

FENCING

CATEGORY	STAGE	ROADWAY	STATION		STATION	O/S	616.0206 CHAIN LINK FENCE 6-FT LF	616.0329 GATES CHAIN LINK (4-FT) EACH
0010								
	1	STH 241	1222+52	-	1222+62	88.0' LT	10	1
		TOTAL					10	1

CONCRETE MEDIAN

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	620.0300 SLOPED NOSE SF
0010							
	1	STH 241	1232+14	-	1232+25	RT	29
			1232+23	-	1232+34	LT	29
		SUBTOTAL					58
	3	STH 241	1231+61		1231+65	LT	24
			1231+84	-	1231+91	RT	108
			1232+57	-	1232+65	LT	110
			1232+81	-	1232+84	RT	21
			1240+09	-	1240+16	LT/RT	46
		SUBTOTAL					309
		TOTAL					367

EROSION CONTROL

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	628.1905 MOBILIZATIONS EROSION CONTROL EA	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EA	628.7010 INLET PROTECTION TYPE B EA	628.7015 INLET PROTECTION TYPE C EA	628.7020 INLET PROTECTION TYPE D EA
0010											
	1 & 2	STH 241	1224+59	-	1258+01	LT/RT	1	1	4	22	16
		SUBTOTAL					1	1	4	22	16
	3	STH 241	1224+59	-	1258+01	LT/RT	1	1	4	22	16
		SUBTOTAL					1	1	4	22	16
		UNDISTRIBUTED					1	1	2	11	8
		TOTAL					3	3	10	55	40

PERMANENT SIGNING

CATEGORY	STAGE	ROADWAY	SIGN NO.	SIGN CODE	SIGN SIZE	SIGN MESSAGE	SIGN SIZE W (IN.)	X	SIGN SIZE H (IN.)	634.0618 POSTS WOOD 4X6-INCH X 18-FT EA	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EA	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS EA	MOUNT ON SAME POST AS SIGN NO.	REMARKS
0010																	
	3	STH 241	1-1	W14-1	2M	DEAD END	30	X	30	1	--	--	6.25	1	1	--	
			1-2	R1-1	3	STOP	36	X	36	1	--	9.00	--	1	1	--	--
			1-3	R9-3A	2M		24	X	24	1	--	4.00	--	--	--	--	--
			1-4	R9-3BL	2M	USE CROSSWALK	18	X	12	--	--	1.50	--	--	--	1-3	--
			1-5	R9-3A	2M		24	X	24	1	--	4.00	--	--	--	--	--
			1-6	R9-3BR	2M	USE CROSSWALK	18	X	12	--	--	1.50	--	--	--	1-5	--
			1-7	R3-4	2M		36	X	36	1	--	9.00	--	1	1		--
			1-8	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			1-9	R4-7	2M		24	X	30	--	1	5.00	--	1	1	--	--
			1-10	R3-4	2S		24	X	24	--	--	4.00	--	1	--	1-9	--
			1-11	JV-F	2M		60	X	93	2	--	38.75	--	1	2	--	--
				MB3-3		SOUTH	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				MB3-4		WEST	24	X	12	--	--	--	--	--	--	--	--
				M1-1A		INTERSTATE 894	30	X	24	--	--	--	--	--	--	--	--
				MB6-2			21	X	21	--	--	--	--	--	--	--	--
				MB3-1		NORTH	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				MB3-2		EAST	24	X	12	--	--	--	--	--	--	--	--
				M1-1A		INTERSTATE 894	30	X	24	--	--	--	--	--	--	--	--
				MB6-2			21	X	21	--	--	--	--	--	--	--	--
			1-12	R7-1L	2M	NO PARKING ANY TIME	24	X	30	--	--	5.00	--	1	--	1-11	--
			1-13	J3-2	2M		48	X	57	2	--	19.00	--	1	2	--	--
				MB3-1		NORTH	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 41	24	X	24	--	--	--	--	--	--	--	--
				MB6-2			21	X	21	--	--	--	--	--	--	--	--
				M3-1		NORTH	24	X	24	--	--	--	--	--	--	--	--
				M1-4		41	24	X	24	--	--	--	--	--	--	--	--
				M6-2			21	X	21	--	--	--	--	--	--	--	--
			1-14	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			1-15	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			1-16	R3-20L	2M	BEGIN LEFT TURN LANE	24	X	36	1	--	6.00	--	1	1	--	--
			1-17	JV	2M		24	X	81	1	--	13.50	--	1	1	--	--
				MB4-1		ALTERNATE	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 94	24	X	24	--	--	--	--	--	--	--	--
				MB6-1			21	X	21	--	--	--	--	--	--	--	--
			1-18	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			1-19	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			1-20	R7-1D	2M	NO PARKING ANY TIME	24	X	30	--	--	5.00	--	1	--	1-19	--
			1-21	J32-2	2M		48	X	72	2	--	24.00	--	1	2	--	--
				MB4-5		TO	24	X	12	--	--	--	--	--	--	--	--
				MB2-1		JCT	21	X	15	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 41	24	X	24	--	--	--	--	--	--	--	--
				MB6-1			21	X	21	--	--	--	--	--	--	--	--
				MB4-5		TO	24	X	12	--	--	--	--	--	--	--	--
				MB2-1		JCT	21	X	15	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 94	24	X	24	--	--	--	--	--	--	--	--
				MB6-1			21	X	21	--	--	--	--	--	--	--	--
			1-22	I5-1	2M		24	X	24	--	--	4.00	--	1	--	1-21	--
			1-23	J1-1	2M		30	X	87	1	--	18.13	--	1	1	--	--
				MB2-1		JCT	21	X	15	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1A		INTERSTATE 894	30	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			1-24	J3-2	2M		48	X	57	2	--	19.00	--	1	2	--	--
				M2-1		JCT	21	X	15	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 41	24	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
				M2-1		JCT	21	X	15	--	--	--	--	--	--	--	--
				M1-4		41	24	X	24	--	--	--	--	--	--	--	--
				M4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			1-25	R3-20LL	2M	BEGIN LEFT TURN LANE	24	X	36	1	--	6.00	--	1	1	--	--

PERMANENT SIGNING

CATEGORY	STAGE	ROADWAY	SIGN NO.	SIGN CODE	SIGN SIZE	SIGN MESSAGE	SIGN SIZE W (IN.)	X	H (IN.)	634.0618 POSTS WOOD 4X6-INCH X 18-FT EA	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EA	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS EA	MOUNT ON SAME POST AS SIGN NO.	REMARKS
	3	STH 241	1-26	R5-1	2M	DO NOT ENTER	36	X	36	1	--	9.00	--	1	1	--	--
			1-27	R5-1	2M	DO NOT ENTER	36	X	36	1	--	9.00	--	1	1	--	--
			1-28	R3-53R	2M	RIGHT TURN ONLY	24	X	30	1	--	5.00	--	--	--	--	
			2-1	R4-7	2M	--	24	X	30	1	--	5.00	--	1	1	--	--
			2-2	R4-7	2M	--	24	X	30	1	--	5.00	--	1	1	--	--
			2-3	J1-1	2M	--	24	X	39	1	--	6.50	--	1	1	--	--
				M3-3	2M	SOUTH	24	X	12	1	--	--	--	--	--	--	--
				M1-6	2M	241	24	X	24	--	--	--	--	1	--	--	--
				R9-3A	2M	--	24	X	24	--	1	4.00	--	--	--	--	--
			2-4	R2-1	2M	SPEED LIMIT 40	30	X	36	--	--	7.50	--	1	--	--	MOUNTED TO LIGHT POST
			2-5	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			2-6	R7-1D	2M	NO PARKING STOPPING STANDNG	24	X	30	--	--	5.00	--	1	--	2-4	--
			2-7	R6-2L	2M	ONE WAY	30	X	36	--	--	7.50	--	1	--	--	MOUNTED TO SIGNAL POST
			2-8	R5-1	2M	DO NOT ENTER	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-9	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-10	R5-1	2M	DO NOT ENTER	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-11	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-12	R5-1	2M	DO NOT ENTER	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-13	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-14	R5-2	2M		24	X	24	--	--	4.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-15	R5-2A	2M	3 TONS OR OVER	24	X	12	--	--	2.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-16	R5-2	2M		24	X	24	--	--	4.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-17	R5-2A	2M	3 TONS OR OVER	24	X	12	--	--	2.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-18	W5-52-L	2M		12	X	36	--	--	3.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-19	R4-7	2M		24	X	30	--	--	5.00	--	--	--	--	MOUNTED TO SIGNAL POST
			2-20	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-21	R6-2L	2M	ONE WAY	30	X	36	--	--	7.50	--	1	--	--	MOUNTED TO SIGNAL POST
			2-22	R7-4L	2M	NO STOPPING OR STANDING	24	X	30	--	--	5.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-23			DO NOT BLOCK DRIVEWAYS	24	X	30	1	--		--	1	1.00	--	
			2-24	R5-1	2M	DO NOT ENTER	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-25	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-26	R7-1D	2M	NO PARKING STOPPING STANDNG	24	X	30	--	1	5.00	--	1	1	--	--
			2-27	J1-1	2M		24	X	39	--	--	6.50	--	1	--	--	MOUNTED TO SIGNAL POST
				M3-1		NORTH	24	X	12	--	--	--	--	--	--	--	--
				M1-4		241	24	X	24	--	--	--	--	--	--	--	--
			2-28	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-29	J1-1	2M		24	X	39	--	--	6.50	--	1	--	--	MOUNTED TO SIGNAL POST
				M3-1		NORTH	24	X	12	--	--	--	--	--	--	--	--
				M1-4		241	24	X	24	--	--	--	--	--	--	--	--
			2-30	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-31	R4-7	2M		24	X	30	--	--	5.00	--	1	--	--	MOUNTED TO SIGNAL POST
			2-32	R10-50L	2M	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30	X	36	--	--	--	--	1	--	--	MOUNTED TO SIGNAL POST
			2-33	R10-50L	2M	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30	X	36	--	--	--	--	1	--	--	MOUNTED TO SIGNAL POST
			2-34	R10-50L	2M	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30	X	36	--	--	--	--	1	--	--	MOUNTED TO SIGNAL POST
			2-35	R10-50L	2M	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30	X	36	--	--	--	--	1	--	--	MOUNTED TO SIGNAL POST
			3-1	R1-1	3	STOP	36	X	36	1	--	9.00	--	1	1	--	--
			3-2	R3-20LL	2M	BEGIN LEFT TURN LANE	24	X	36	--	1	6.00	--	1	1	--	--

										PERMANENT SIGNING							
							SIGN SIZE			634.0618	634.0812	637.2210	637.2230	638.2602	638.3000		
CATEGORY	STAGE	ROADWAY	SIGN NO.	SIGN CODE	SIGN SIZE	SIGN MESSAGE	W (IN.)	X	H (IN.)	POSTS WOOD 4X6-INCH X 18-FT EA	POSTS TUBULAR STEEL 2X2-INCH X 12-FT EA	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	REMOVING SIGNS TYPE II EA	REMOVING SMALL SIGN SUPPORTS EA	MOUNT ON SAME POST AS SIGN NO.	REMARKS
	3	STH 241	3-3	R7-4	2M	NO PARKING STOPPING STANDNG	24	X	30	--	1	5.00	--	1	1		--
			3-4	R3-20L	2M	BEGIN LEFT TURN LANE	24	X	36	1	--	6.00	--	1	1	--	--
			3-5	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			3-6	R5-1	2M	DO NOT ENTER	36	X	36	1	--	9.00	--	1	1		--
			3-7	R5-2	2M		24	X	24	--	--	4.00	--	1	--	--	MOUNTED TO LIGHT POST
			3-8	R5-2A	2M	3 TONS OR OVER	24	X	12	--	--	2.00	--	1	--	3-7	MOUNTED TO LIGHT POST
			3-9	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			4-1	W3-3	2M		36	X	36	1	--	--	9.00	1	1		
			4-2	W3-3	2M		36	X	36	1	--	--	9.00	1	1		
			4-3	R7-1D	2M	NO PARKING STOPPING STANDNG	24	X	30	--	--	5.00	--	1	--	4-2	--
			4-4	J12-2	2M		48	X	45	1	--	15.00	--	1	1		
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
				M1-4		41	24	X	24	--	--	--	--	--	--	--	--
				M4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			4-5	J12-2	2M		48	X	45	1	--	15.00	--	1	1		
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
				M1-4		41	24	X	24	--	--	--	--	--	--	--	--
				M4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			4-6	D12-2B	2M	RIDE SHARE INFORMATION	84	X	36	2	--	21.00	--	2	1	--	--
			4-7	JV	2M		30	X	72	1	--	15.00	--	1	1	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1A		INTERSTATE 894	30	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			4-8	JV	2M		30	X	72	1	--	15.00	--	1	1	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1A		INTERSTATE 894	30	X	24	--	--	--	--	--	--	--	--
				MB4-20R		USE RIGHT LANE	24	X	24	--	--	--	--	--	--	--	--
			4-9	R7-1D	2M	NO PARKING STOPPING STANDNG	24	X	30	--	1	5.00	--	1	1	--	--
			4-12	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			4-13	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			4-14	R7-1D	2M	NO PARKING ANY TIME	24	X	30	1	--	5.00	--	1	1	--	--
			4-15	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			4-16	R3-53U	2M	U-TURN ONLY	24	X	30	1	--	5.00	--	--	--	--	--
			5-1	R7-4L	2M	NO PARKING STOPPING STANDNG	24	X	30	--	1	5.00	--	1	1	--	--
			5-2	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			5-3	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			5-4	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			5-5	R7-1D	2M	NO PARKING ANY TIME	24	X	30	--	--	5.00	--	1	--	5-4	--
			5-6	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			5-7	R7-4	2M	NO PARKING STOPPING STANDNG	24	X	30	1	--	5.00	--	1	1	--	--
			5-8	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			5-9	R7-1D	2M	NO PARKING ANY TIME	24	X	30	1	--	5.00	--	1	1	--	--
			5-10	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			5-11	W3-3	2M		36	X	36	1	--	--	9.00	1	1	--	--
			6-1	R2-1	2M	SPEED LIMIT 40	30	X	36	--	--	7.50	--	1	--	--	MOUNTED TO LIGHT POST
			6-2	R7-1D		NO PARKING STOPPING STANDNG	24	X	30	--	1	5.00	--	1	1	--	--
			6-3	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--

PERMANENT SIGNING

CATEGORY	STAGE	ROADWAY	SIGN NO.	SIGN CODE	SIGN SIZE	SIGN MESSAGE	SIGN SIZE W (IN.)	X	SIGN SIZE H (IN.)	634.0618 POSTS WOOD 4X6-INCH X 18-FT EA	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EA	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2602 REMOVING SIGNS TYPE II EA	638.3000 REMOVING SMALL SIGN SUPPORTS EA	MOUNT ON SAME POST AS SIGN NO.	REMARKS
	3	STH 241	6-4	JV	2M		24	X	81	1	--	13.50	--	1	1	--	--
				M3-1		NORTH	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 94	24	X	24	--	--	--	--	--	--	--	--
				MB5-1R			21	X	21	--	--	--	--	--	--	--	--
			6-5	R7-1D	2M	NO PARKING ANY TIME	24	X	30	--	--	5.00	--	1	--	6-4	--
			6-6	R4-7	2M		24	X	30	1	--	5.00	--	1	1	--	--
			6-7	R3-20L	2M	BEGIN LEFT TURN LANE	24	X	36	1	--	6.00	--	1	1	--	--
			6-8	R7-1D	2M	NO PARKING ANY TIME	24	X	30	1	--	5.00	--	1	1	--	--
			6-9	R3-20LL	2M	BEGIN LEFT TURN LANE	24	X	36	1	--	6.00	--	1	1	--	--
			6-10	JV	2M		24	X	81	1	--	13.50	--	1	1	--	--
				MB4-1		ALTERNATE	24	X	12	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 43	24	X	24	--	--	--	--	--	--	--	--
				M1-1		INTERSTATE 94	24	X	24	--	--	--	--	--	--	--	--
				MB6-1			21	X	21	--	--	--	--	--	--	--	--
			6-11	R7-1R	2M	NO PARKING ANY TIME	24	X	30	--	1	5.00	--	1	1	--	--
			6-12	R2-1	2M	SPEED LIMIT 40	30	X	36	1	--	7.50	--	1	1	--	--
			6-13	J1-1	2M		24	X	39	1	--	6.50	--	1	1		
				M3-3		SOUTH	24	X	12	--	--	--	--	--	--	--	--
				M1-6		241	24	X	24	--	--	--	--	--	--	--	--
			6-14	R4-7	2M		24	X	30	--	1	5.00	--	1	1	--	--
			6-15	R5-1	2M	DO NOT ENTER	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			6-16	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO SIGNAL POST
			6-17	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	6-14	--
			6-18	R1-1F	2M	STOP	36	X	36	--	--	9.00	--	1	--	--	MOUNTED TO LIGHT POST
		SUBTOTAL								67	10	780.38	78.25	110	70		
		TOTAL								67	10	780.38	78.25	110	70		

TRAFFIC CONTROL

CATEGORY	STAGE	ROADWAY	643.0300 DRUMS DAY	643.0420 BARRICADES TYPE III DAY	643.0705 WARNING LIGHTS TYPE A DAY	643.0715 WARNING LIGHTS TYPE C DAY	643.0810.S CONNECTED ARROW BOARD DAY	643.0900 SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.1220.S CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
0010										
	1	STH 241	6,240	45	480	390	30	3180	7	60
		43 OFFRAMP	165	45	90	--	--	60	--	--
		SUBTOTAL	6405	90	570	390	30	3240	7	60
	2	STH 241	38,200	6,450	12,900	2,300	200	12,100	7	200
		COLDSPRING & STH 241	2,250	200	400	500	--	650	--	200
		43 OFFRAMP	900	150	300	--	100	350	--	--
		SUBTOTAL	41,350	6,800	13,600	2,800	300	13,100	7	400
	3	STH 241	28,200	1,850	3700	2300	200	11,050	7	200
		43 OFFRAMP	1,050	100	200	--	--	350	--	--
		SUBTOTAL	29,250	1,950	3,900	2,300	200	11,400	7	200
		UNDISTRIBUTED	19,260	2,210	4,520	1,380	133	6,940	6	165
		TOTAL	96,265	11,050	22,590	6,870	663	34,680	27	825

TRAFFIC CONTROL

CATEGORY	STAGE	ROADWAY	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	643.3960 TEMPORARY MARKING REMOVALBE MASK OUT TAPE 6-INCH LF	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICE DAY	SPV.0060.06 TEMPORARY BUS STOP EA
0010														
	1	STH 241	5630	--	3950	--	640	--	1280	225	190	1710	345	3
		43 OFFRAMP	--	--	--	--	--	--	--	--	--	--	--	--
		SUBTOTAL	5630		3950		640	--	1280	225	190	1710	345	3
	2	STH 241	5,620	--	4890	--	1,130	--	--	--	32	180	--	3
		COLDSPRING & STH 241	130	140	200	350	250	460	--	--	--	--	--	--
		43 OFFRAMP	--	--	--	--	--	--	--	--	--	--	--	--
		SUBTOTAL	5,900		5,500		1,380	460	--	--	32	180	--	3
	3	STH 241	--	--	1,970	10,400	1,130	1,990	--	--	48	490	400	--
		43 OFFRAMP	--	--	--	--	--	--	--	--	--	--	--	--
		SUBTOTAL	--		12,370		1,130	1,990	--	--	48	490	400	--
		UNDISTRIBUTED	2,890		5,460		788	613	320	57	68	595		2
		TOTAL	14,420		27,280		3,938	3,063	1,600	282	338	2,975	745	8

PAVEMENT MARKING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE LF	646.5020 MARKING ARROW EPOXY TYPE 2 EA	646.5120 MARKING WORD EPOXY EA	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010																		
	2	STH 241	1224+59	-	1258+01	LT/RT	--	1,540	4,550	--	--	--	--	--	240	--	--	--
		COLDSPRING/BOLIVAR				LT/RT	130	--	--	--	370	--	--	--	--	--	--	--
		SUBTOTAL					130	1,540	4,550		370	--	--	--	240	--	--	--
	3	STH 241	1224+59	-	1258+01	LT/RT	--	1,540	4,550	5,320	--	2,900	13	4	--	870	870	13
		SUBTOTAL					--	1,540	9,870		--	2,900	13	4	--	870	870	13
		TOTAL					130	3,080	14,500		370	2,900	13	4	240	870	870	13

CONSTRUCTION STAKING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	650.5500 CURB AND GUTTER LF	650.8000 RESURFACING REFERENCE LF	650.8501 ELECTRICAL INSTALLATION EA	650.9000 CURB RAMPS EA	650.9500 SIDEWALK EA	650.9911 SUPPLEMENTAL CONTROL EA	SPV.0090.01 CONSTRUCTION STAKING FENCE LF
0010													
	1 & 2	STH 241	1224+59	-	1258+01	RT	434	3,350	1	11	1	1	--
			1224+59	-	1258+01	LT	291	3,350	--	11	--	--	10
		PEDESTRIAN CURB				LT	112	--	--	--	--	--	--
		SUBTOTAL					837	6,700	1	22	1	1	10
	3	STH 241	1224+59	-	1258+01	RT	139	3,350	--	5	--	--	--
			1224+59	-	1258+01	LT	148	3,350	--	5	--	--	--
		PEDEESTRIAN CURB				LT/RT	73	--	--	--	--	--	--
		SUBTOTAL					360	6,700	--	10	--	--	--
		TOTAL					1,197	13,400	1	32	1	1	10

SAWING PAVEMENT

CATEGORY	STAGE	ROADWAY	STATION	-	STATION	690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
0010							
	1	STH 241	1224+59	-	1258+01	1120	441
		SUBTOTAL				1120	441
	3	STH 241	1224+59	-	1258+01	556	295
		SUBTOTAL				556	295
		TOTAL				1676	736

*QUANTITIES SHOWN ELSEWHERE ON PLAN

ADJUSTING CUC MANHOLE COVER

CATEGORY	STAGE	ROADWAY	STATION	O/S	SPV.0060.03 ADJUSTING CUC MANHOLE COVER EACH	RIM ELEVATION
0220						
	3	STH 241	1226+77	27' RT	1	694.626
			1232+45	28' RT	1	693.128
		TOTAL			2	

ADJUSTING SANITARY MANHOLE WITH INTERNAL/EXTERNAL SEAL

CATEGORY	STAGE	ROADWAY	STATION	O/S	SPV.0060.04 ADJUSTING SANITARY MANHOLE WITH INTERNAL/EXTERNAL SEAL EACH	RIM ELEVATION
0210						
	1	STH 241	1224+84	51' RT	1	691.630
			1227+16	52' LT	1	693.981
			1229+17	51' LT	1	695.040
			1230+35	50' LT	1	694.050
			1232+28	50' LT	1	692.036
			1232+52	50' LT	1	691.792
			1234+80	50' LT	1	689.743
			1236+21	52' LT	1	688.521
		TOTAL			8	

ADJUSTING WATER VALVE BOXES

CATEGORY	STAGE	ROADWAY	STATION	O/S	SPV.0060.05 ADJUSTING WATER VALVE BOXES EACH
0200					
	1	STH 241	1224+50	74' LT	1
			1231+79	76' LT	1
			1232+03	94' LT	1
			1232+73	77' LT	1
			1232+34	70' RT	1
			1232+92	74' LT	1
		TOTAL			6

CURB RAMP GRADING, SHAPING AND FINISHING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	SPV.0060.07 CURB RAMP GRADING, SHAPING AND REFINISHING EACH	FOR INFORMATION PURPOSES ONLY. THESE ITEMS INCLUDED IN ITEM SPV.0060.07 TOPSOIL SY	MULCHING SY	SOIL STABILIZER TYPE A ACRE	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 40 LB	SEED WATER MGAL
0010													
	1	STH 241	1224+59	-	1258+01	LT/RT	22	490	--	0.10	0.40	2.00	11
		SUBTOTAL					22	490	--	0.10	0.40	2.00	11
	3	STH 241	1224+59	-	1258+01	LT/LT	10	140	140	0.03	0.10	1.00	3
		SUBTOTAL					10	140	140	0.03	0.10	1.00	3
		TOTAL					32	630	140		1	3	14

SECTION CORNER MONUMENT

CATEGORY	STAGE	ROADWAY	STATION	O/S	SPV.0060.09 SECTION CORNER MONUMENTS EACH
0010					
	3	STH 241	1232+24	LT/RT	1
		TOTAL			1

MISCELLANEOUS REMOVALS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	O/S	SPV.0165.02 REMOVE, SALVAGE AND REINSTALL LANDSCAPING ROCKS SF
0010							
	1	STH 241	1239+81	-	1240+11	LT	7
			1240+62	-	1240+86	LT	53
		TOTAL					60

STREET LIGHTING

CATEGORY	STAGE	ROADWAY	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 30 3-INCH LF	SPV.0060.302 PULL BOX 13" x 24" x 24" FIBERGLASS EACH	SPV.0090.351 CONDUIT SPLIT-DUCT LF
0220					
	3	STH 241	220	6	10
		PLAINFIELD AVE.	--	2	--
		BOLIVAR AVE.	--	2	--
		WHITAKER AVE.	--	2	--
		TOTAL	220	12	10

3

3

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
SB3	1
SB4	1
SB6	1
SB14	1
SB16	1
TOTAL	5

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB8	1
PB18	1
TOTAL	2

CONCRETE BASES

SIGNAL BASE NO.	LOCATION STA	LOCATION OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH
SB3	1232+61.8	80.6 LT	1
SB4	1232+75.4	68.0 LT	1
SB14	1231+73.5	69.6 RT	1
TOTAL		TOTAL	3

MODIFY TRAFFIC SIGNALS

LOCATION	SPV.0060.02 MODIFY TRAFFIC SIGNALS EACH
STH 241 & COLDSPRING RD	1
TOTAL	1

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0605 CONDUIT SPECIAL 2-INCH L.F.
PB6	SB3	5	--
PB7	SB4	25	--
PB7	PB8	--	190
PB8	PB24	--	135
PB17	SB14	20	--
PB17	PB18	--	200
PB18	PB25	--	130
	TOTAL	50	655

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0140 PULL BOXES STEEL 24x42-INCH EACH	653.0900 ADJUSTING PULL BOXES EACH
PB8	1234+90.3	62.9 LT	1	--
PB18	1229+55.2	64.1 RT	1	--
PB22	1231+72.8	62.6 LT	--	1
PB24	1235+24.8	63.8 LT	1	--
PB25	1228+25.2	64.0 RT	1	--
TOTAL		TOTAL	4	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, FOUR SECTION	2
TRAFFIC SIGNAL, PEDESTRIAN	2
TOTAL	4

REMOVING WIRE

LOCATION	204.9060.S.01 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 241 & COLDSPRING RD	1
TOTAL	1

3

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB19	1231+44.5	3.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	84	165	265
12	PB19	1231+72.5	3.8 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	165	246
21	PB24	1236+25.8	49.3 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	48	495	252
22	PB24	1236+25.9	38.3 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	72	495	378
23	PB24	1236+26.1	27.6 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	94	495	494
24	PB8	1234+91.4	49.5 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	42	365	221
25	PB8	1234+91.4	38.1 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	66	365	347
26	PB8	1234+91.5	26.7 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	90	365	473
31	PB15	1232+29.4	103.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	62	290	195
32	PB15	1232+29.2	75.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	290	208
42	PB23	1231+96.0	103.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	62	30	195
43	PB23	1231+96.3	76.8 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	30	202
44	PB4	1232+06.5	97.4 LT	6 X 30	3	ASPHALT	9F15-4B OPTION 2	112	80	353
45	PB4	1232+06.6	75.4 LT	6 X 15	3	ASPHALT	9F15-4B OPTION 2	92	80	290
51	PB9	1233+03.3	4.4 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	225	221
52	PB9	1232+75.3	4.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	225	221
61	PB25	1228+23.8	49.6 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	52	540	273
62	PB25	1228+23.6	38.4 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	76	540	399
63	PB25	1228+23.7	27.7 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	98	540	515
64	PB18	1229+53.8	49.7 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	44	410	231
65	PB18	1229+53.7	38.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	68	410	357
66	PB18	1229+53.7	27.8 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	90	410	473
71	PB4	1232+16.6	103.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	80	221
72	PB4	1232+16.9	76.8 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	80	233
82	PB13	1232+50.7	103.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	330	227
83	PB13	1232+50.4	75.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	330	208
84	PB15	1232+40.0	103.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	82	290	258
85	PB15	1232+39.7	75.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	84	290	265
							TOTAL	2048	8410	8215

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 6/13/2025 7:56:36 AM PLOT BY : DJW

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.
CB1	SB3	200	--
CB1	SB4	--	280
CB1	SB14	--	310
	TOTAL	200	590

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB4	5	20
SB4	21	20
SB14	11	20
SB14	19	20
	TOTAL	80

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0174 TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB4	5	1	--
SB4	21	--	1
SB14	11	1	--
SB14	19	--	1
	TOTAL	2	2

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
SB2	SB3	65
SB3	SB4	125
SB4	SB21	85
SB13	SB14	130
SB14	SB22	85
SB3	PB6	30
	TOTAL	520

POLES

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
SB3	1	1	--	1
SB4	1	--	1	1
SB5	--	--	--	1
SB9	--	--	--	1
SB14	1	--	1	1
SB15	--	--	--	1
SB19	--	--	--	1
TOTAL	3	1	2	7

PEDESTRIAN PUSH BUTTON EXTENSION

LOCATION	SPV.0060.01 PEDESTRIAN PUSH BUTTON EXTENSION EACH
SB5	1
SB15	1
TOTAL	2

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
STH 241 & COLDSPRING RD	1
TOTAL	1

STH 241 (S 27TH ST) & W HOWARD AVE
MILWAUKEE COUNTY
CATEGORY 0010
S40-1086

3

3

REMOVING WIRE

LOCATION		204.9060.S.02 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE EACH
STH 241 (S. 27TH ST) & WEST HOWARD AVE		1
	TOTAL	1

CONDUIT

FROM	TO		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB14	PB18		38
		TOTAL	38

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
61	PB18	100+64.1, 432.0' RT	6'X12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	62	523	310
62	PB18	100+64.1, 432.0' RT	6'X12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	88	523	440
63	PB18	100+64.1, 432.0' RT	6'X12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	112	523	560
					TOTAL	262	1569	1310

^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION ^		653.0135 PULL BOXES STEEL 24x36-INCH EACH
PB18'	100+64.1, 432.0' RT		1
		TOTAL	1

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

PROJECT NO: 2265-11-72	HWY: STH 241	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : N:\PDS\C3D\CAD\22651102\SIG\S40-1086\S40-1086_mq.pptx PLOT DATE : 6/12/2025 PLOT BY : DOTSHW PLOT NAME : S40-1086_mq.pdf PLOT SCALE : 1:1

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF ALL TLE IS FOR GRADING, UNLESS OTHERWISE NOTED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

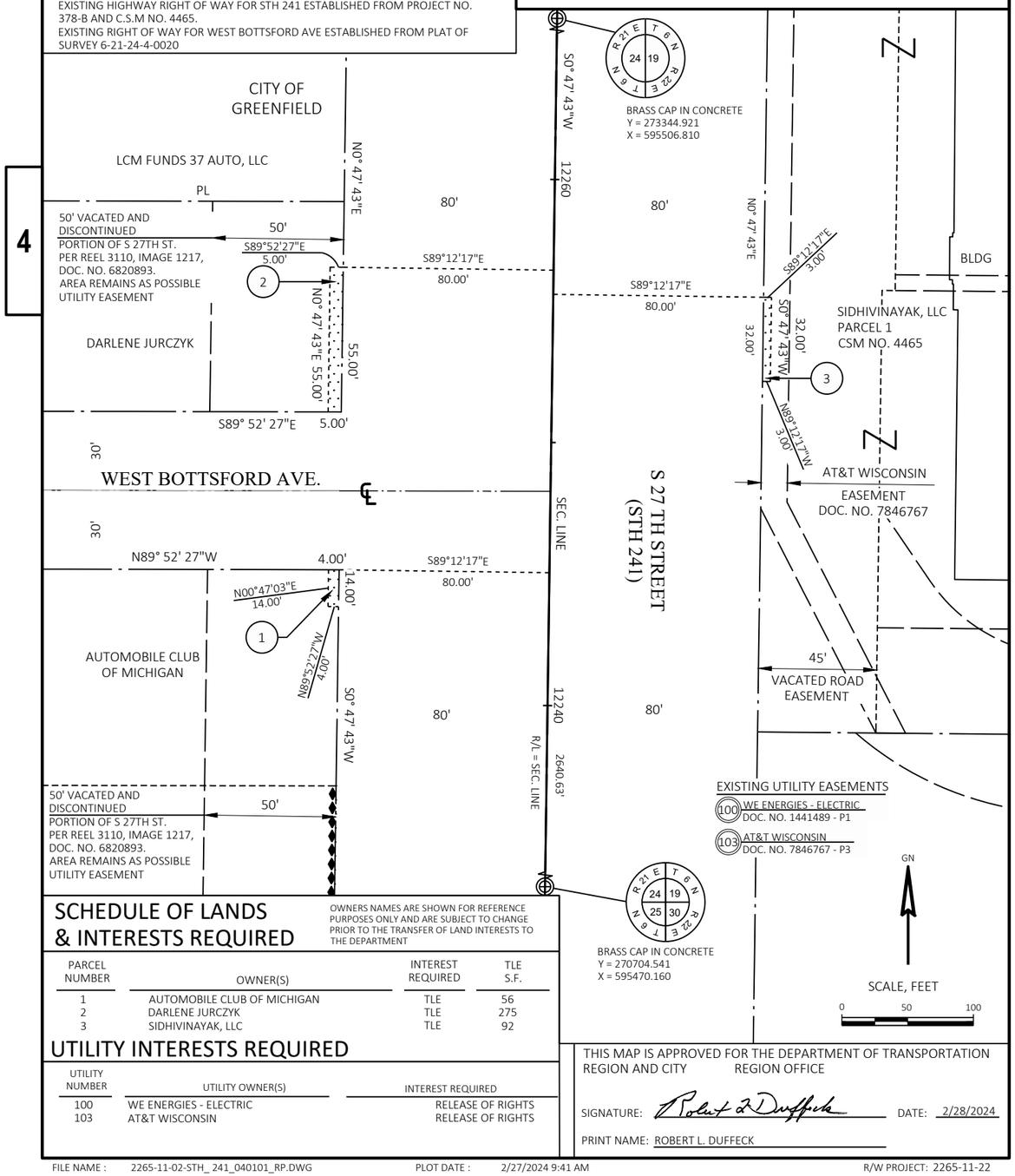
EXISTING HIGHWAY RIGHT OF WAY FOR STH 241 ESTABLISHED FROM PROJECT NO. 378-B AND C.S.M NO. 4465.
EXISTING RIGHT OF WAY FOR WEST BOTTSFORD AVE ESTABLISHED FROM PLAT OF SURVEY 6-21-24-4-0020

R/W PROJECT NUMBER: 2265-11-22 | SHEET NUMBER: 4.01

TLE ACQUISITION EXHIBIT
C GREENFIELD/MILWAUKEE
W BOTTSFORD AVE TO W HOWARD AVE
STH 241 MILWAUKEE COUNTY

PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 24, TOWNSHIP 6 NORTH, RANGE 21 EAST, CITY OF GREENFIELD, AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 6 NORTH, RANGE 22 EAST, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

4



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
1	AUTOMOBILE CLUB OF MICHIGAN	TLE	56
2	DARLENE JURCZYK	TLE	275
3	SIDHIVINAYAK, LLC	TLE	92

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
103	AT&T WISCONSIN	RELEASE OF RIGHTS

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
REGION AND CITY REGION OFFICE

SIGNATURE: Robert L Duffeck DATE: 2/28/2024

PRINT NAME: ROBERT L. DUFFECK

FILE NAME : 2265-11-02-STH_ 241_040101_RP.DWG PLOT DATE : 2/27/2024 9:41 AM R/W PROJECT: 2265-11-22

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF ALL TLE IS FOR GRADING, UNLESS OTHERWISE NOTED.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

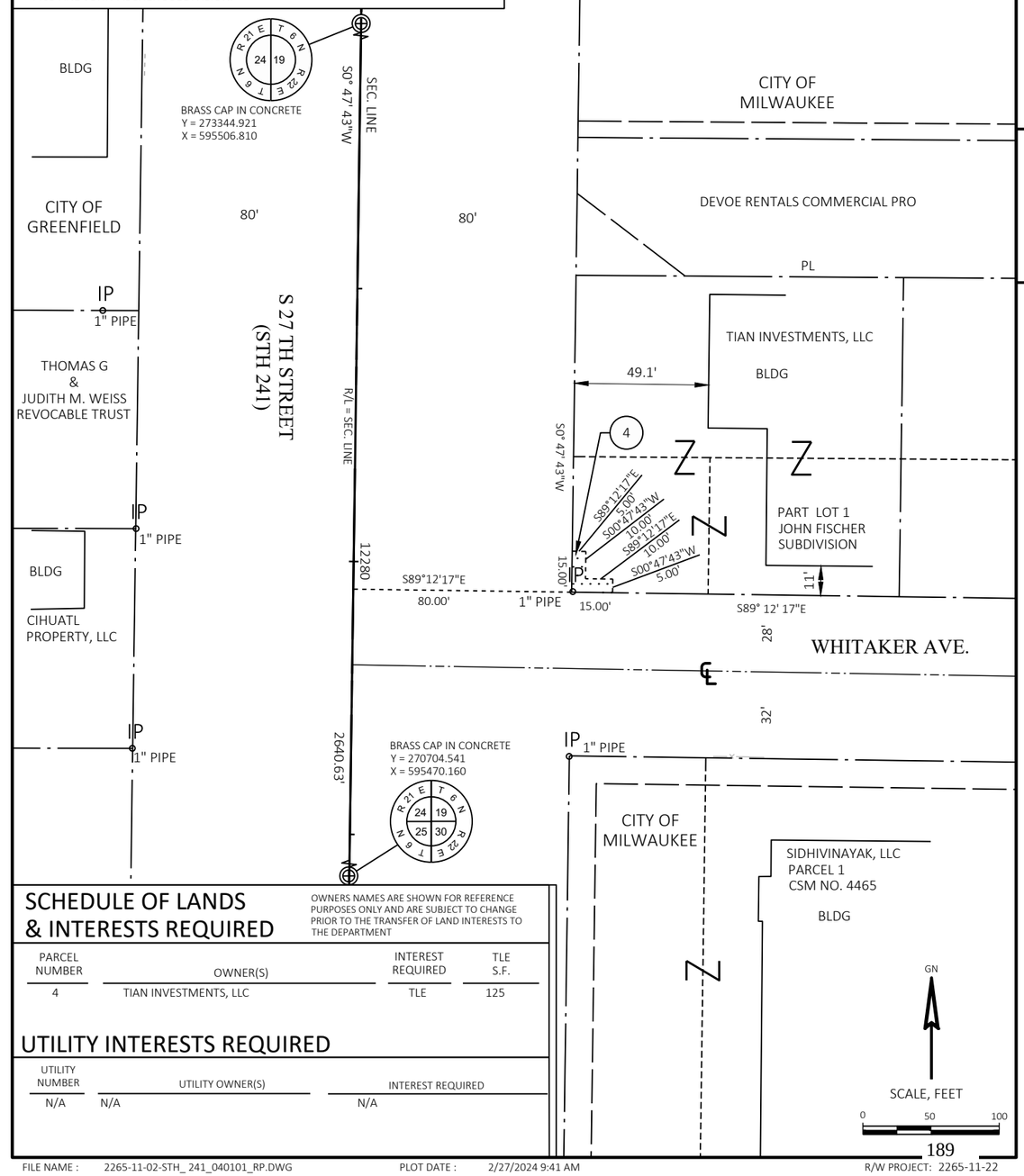
EXISTING HIGHWAY RIGHT OF WAY FOR STH 241 ESTABLISHED FROM PROJECT NO. 378-B, C.S.M NO. 4465, AND JOHN FISCHER SUBDIVISION.
EXISTING RIGHT OF WAY FOR WEST WHITAKER AVE ESTABLISHED FROM C.S.M. NO. 4465 AND JOHN FISCHER SUBDIVISION.

R/W PROJECT NUMBER: 2265-11-22 | SHEET NUMBER: 4.02

TLE ACQUISITION EXHIBIT
C GREENFIELD/MILWAUKEE
W BOTTSFORD AVE TO W HOWARD AVE
STH 241 MILWAUKEE COUNTY

PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 6 NORTH, RANGE 22 EAST, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

4



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
4	TIAN INVESTMENTS, LLC	TLE	125

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
N/A	N/A	N/A

FILE NAME : 2265-11-02-STH_ 241_040101_RP.DWG PLOT DATE : 2/27/2024 9:41 AM R/W PROJECT: 2265-11-22

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF ALL TLE IS FOR GRADING, UNLESS OTHERWISE NOTED.

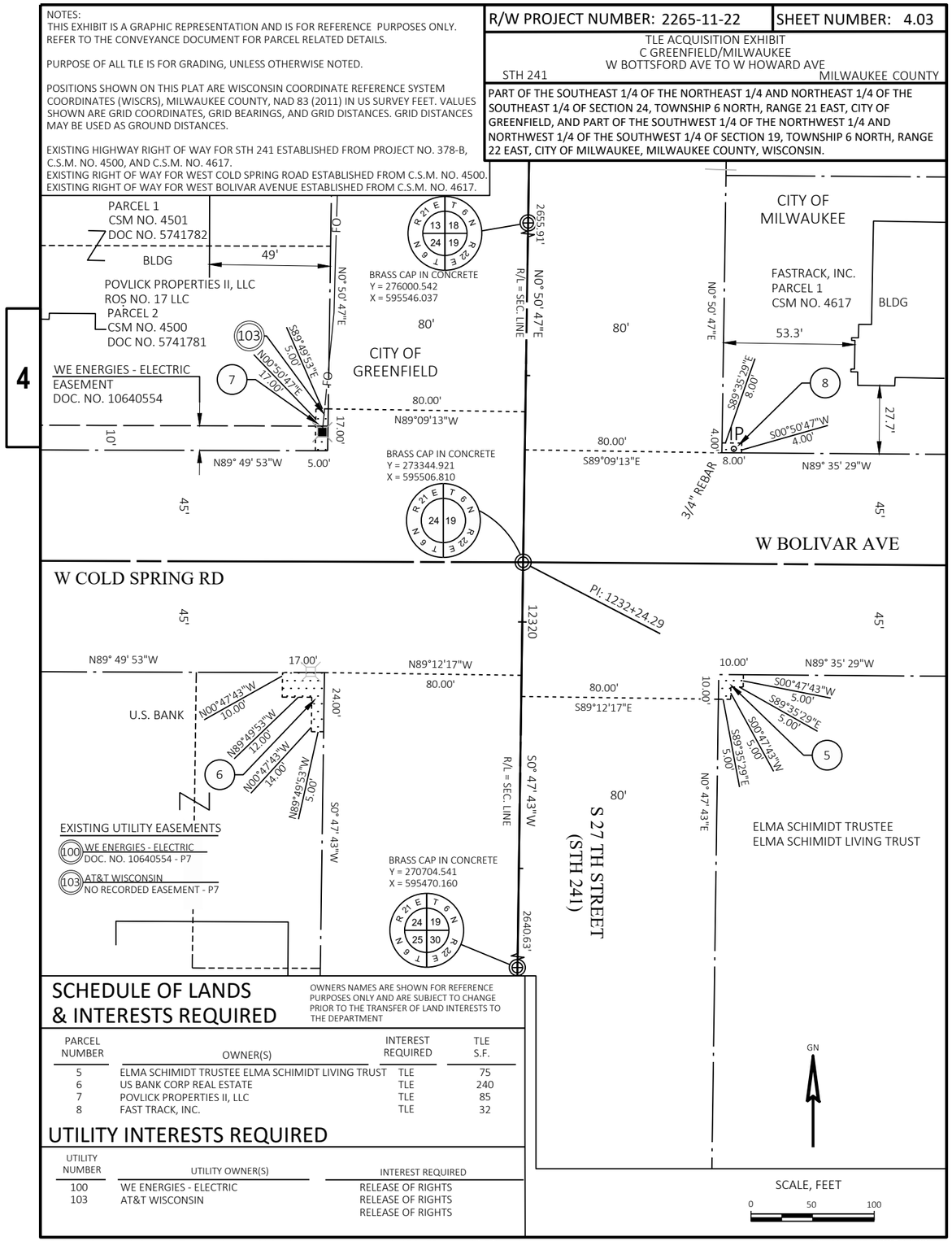
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

EXISTING HIGHWAY RIGHT OF WAY FOR STH 241 ESTABLISHED FROM PROJECT NO. 378-B, C.S.M. NO. 4500, AND C.S.M. NO. 4617.
EXISTING RIGHT OF WAY FOR WEST COLD SPRING ROAD ESTABLISHED FROM C.S.M. NO. 4500.
EXISTING RIGHT OF WAY FOR WEST BOLIVAR AVENUE ESTABLISHED FROM C.S.M. NO. 4617.

R/W PROJECT NUMBER: 2265-11-22	SHEET NUMBER: 4.03

TLE ACQUISITION EXHIBIT
C GREENFIELD/MILWAUKEE
W BOTTSFORD AVE TO W HOWARD AVE
STH 241 MILWAUKEE COUNTY

PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 AND NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 24, TOWNSHIP 6 NORTH, RANGE 21 EAST, CITY OF GREENFIELD, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 AND NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 19, TOWNSHIP 6 NORTH, RANGE 22 EAST, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
5	ELMA SCHIMIDT TRUSTEE ELMA SCHIMIDT LIVING TRUST	TLE	75
6	US BANK CORP REAL ESTATE	TLE	240
7	POVLICK PROPERTIES II, LLC	TLE	85
8	FAST TRACK, INC.	TLE	32

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
103	AT&T WISCONSIN	RELEASE OF RIGHTS
		RELEASE OF RIGHTS

4

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Standard Detail Drawing List

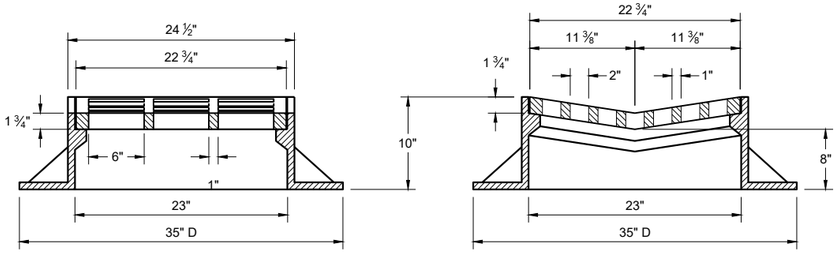
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW & WM
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D16-11	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08D20-02	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C10-03	TRANSFORMER BASE FOR 15" BOLT CIRCLE
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
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
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
11B02-02	CONCRETE MEDIAN NOSE
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C19-03	HMA LONGITUDINAL JOINTS
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09E	OFF RAMP LANE CLOSURE
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-16A	PAVEMENT MARKING SYMBOLS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D12-14A	TRAFFIC CONTROL, LANE CLOSURE
15D20-10A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-10B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-10C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-08	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-03	TRAFFIC CONTROL, DROP-OFF SIGNING

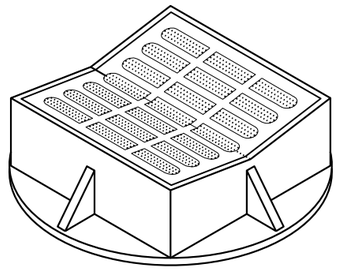
6

Standard Detail Drawing List

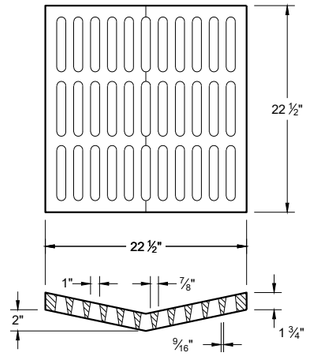
15D40-06A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D41-05A	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D41-05B	TRAFFIC CONTROL, MULTIPLE LANE SHIFT DIVIDED ROAD TEMPORARY TAPE RUMBLE STRIPS
15D42-04	TRAFFIC CONTROL, TWO LANE FULL FREEWAY CLOSURE
15D50-04A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-04B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

6





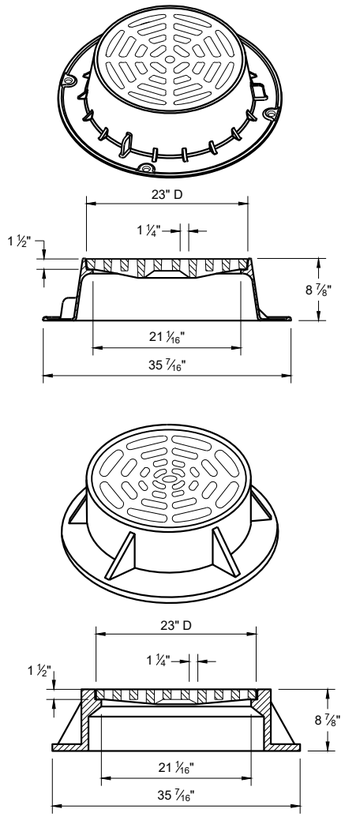
TYPE "B"



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"

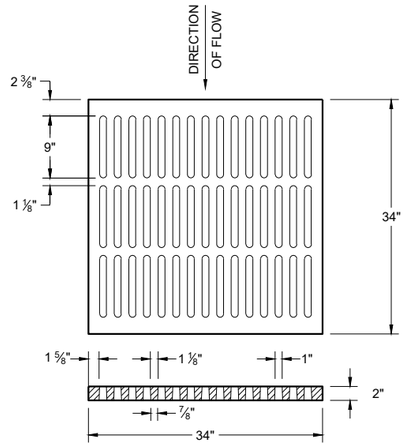
NOTE: EITHER CASTING IS ACCEPTABLE

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.

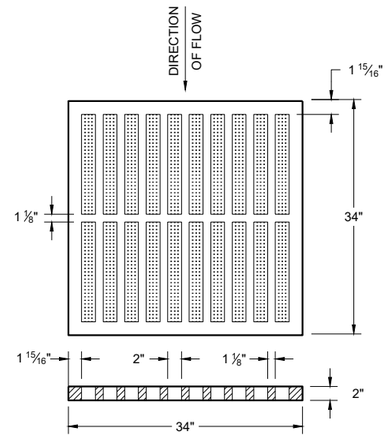
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

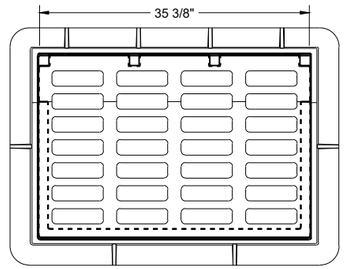
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

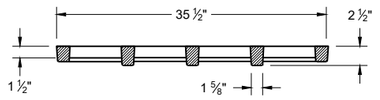


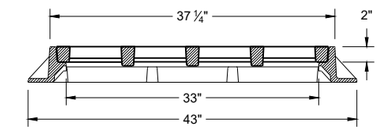
TYPE "MS"

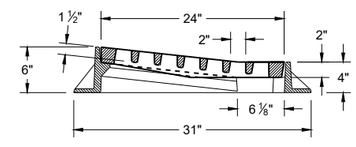
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



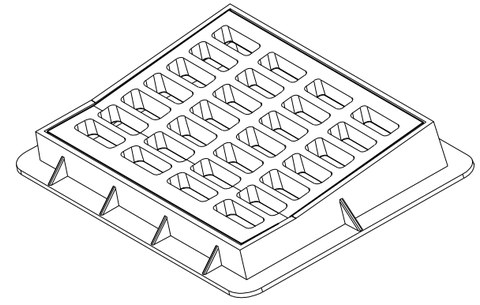


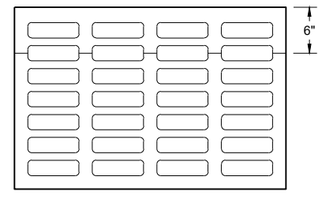


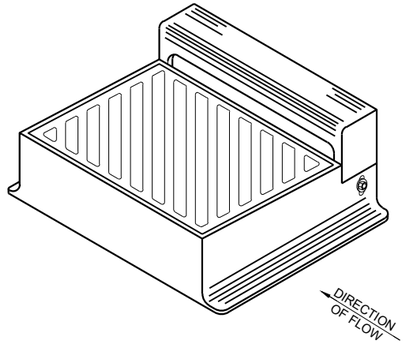


TYPE "DW"

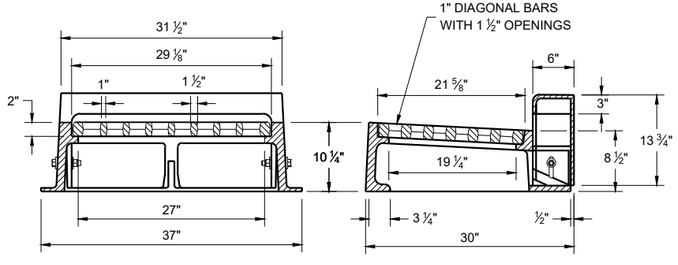
NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.







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



TYPE "WM"

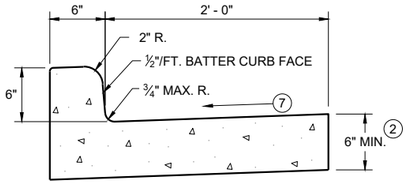
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

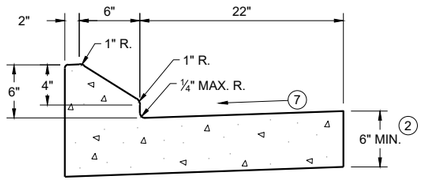
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

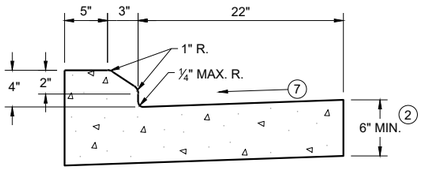
FHWA



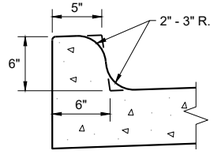
TYPES A (1) & D



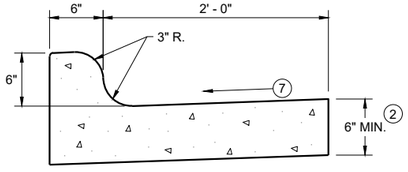
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

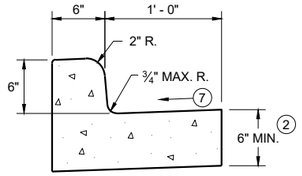


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



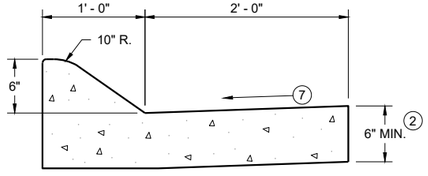
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

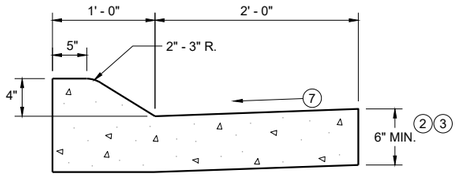


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

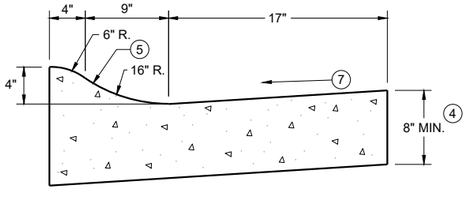


6" SLOPED CURB TYPES A (1) & D



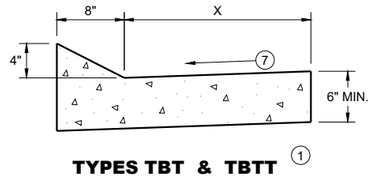
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

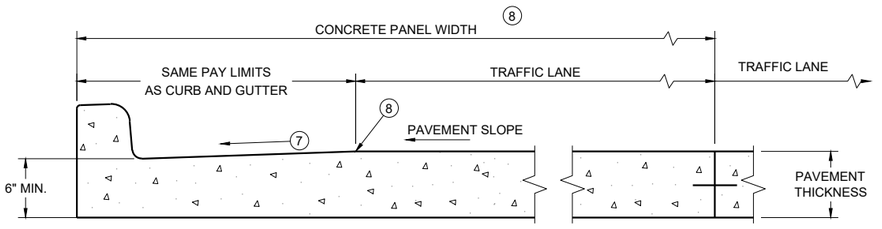


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

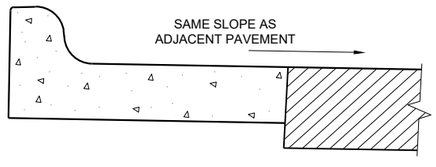
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

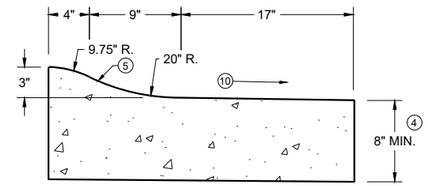
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

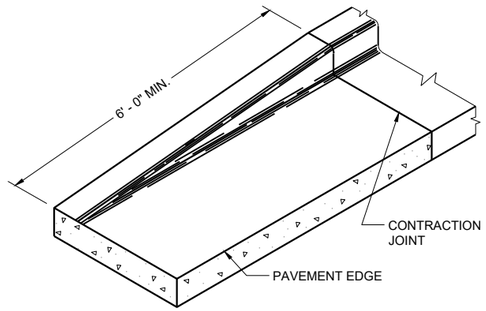
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



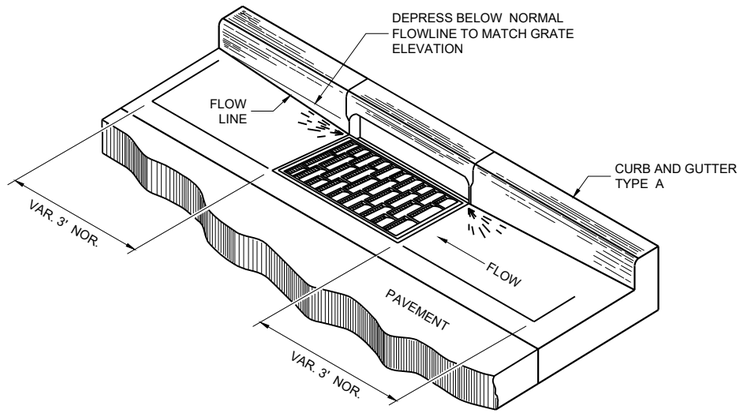
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

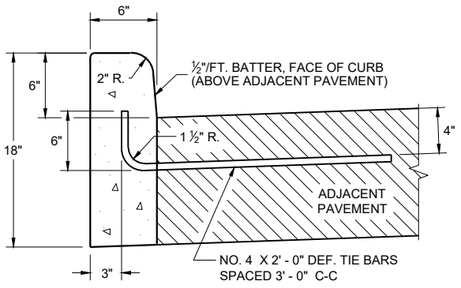
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

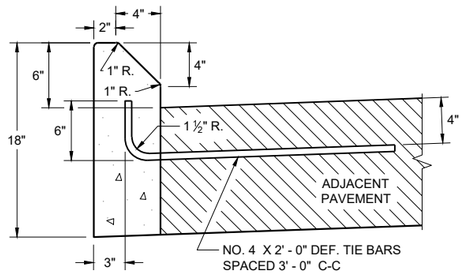
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

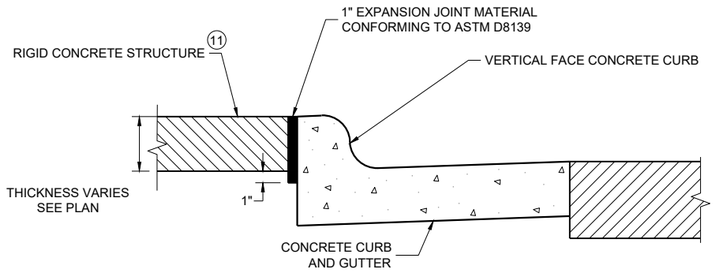


TYPES A (1) & D

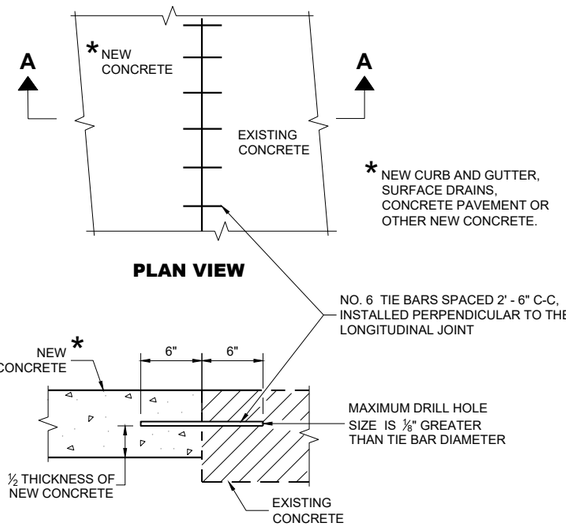


TYPES G (1) & J

CONCRETE CURB



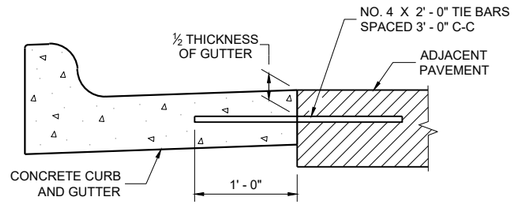
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



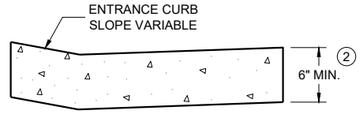
PLAN VIEW

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

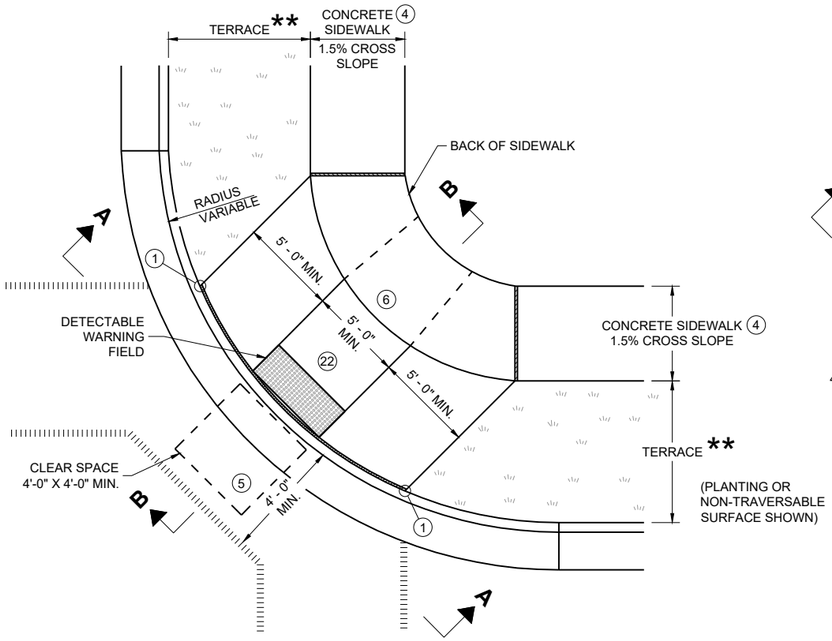
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

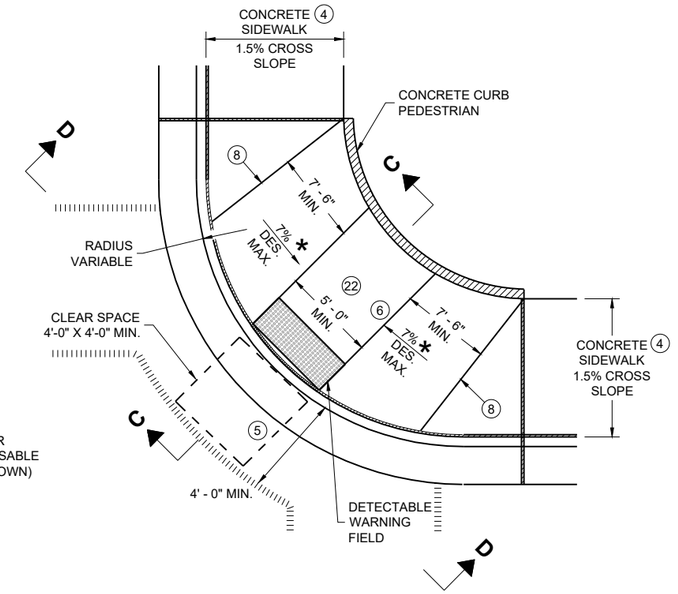
SDD 08D01-24b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

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

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB 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 CURB 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 COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

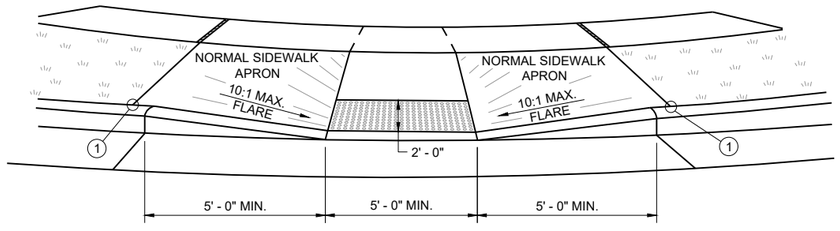
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

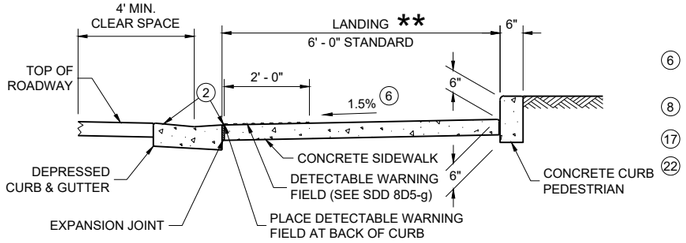
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

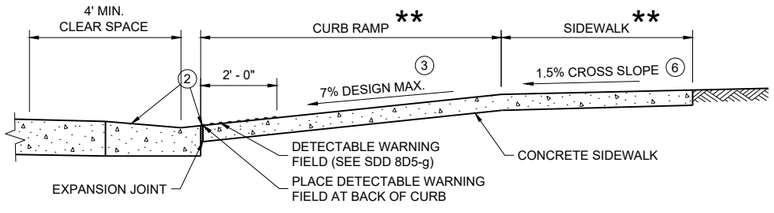
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS



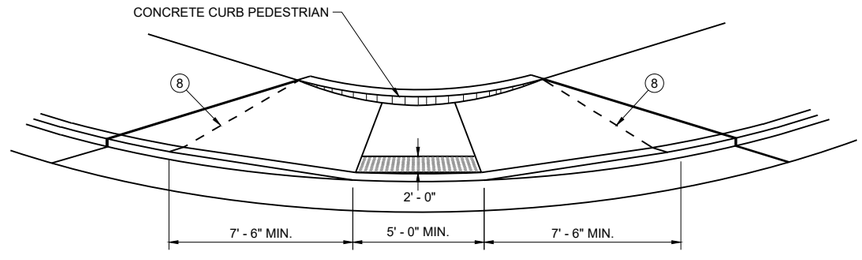
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1

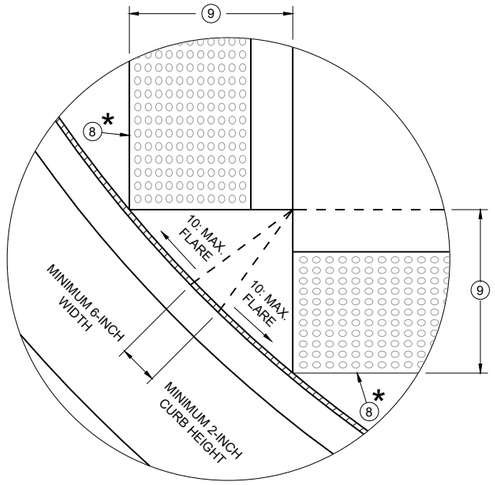


VIEW D - D FOR TYPE 1 - A

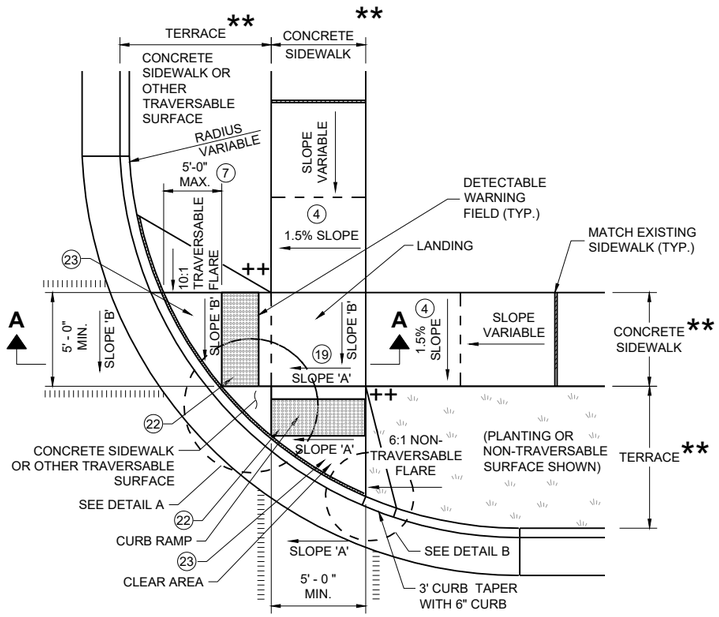
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05-22a



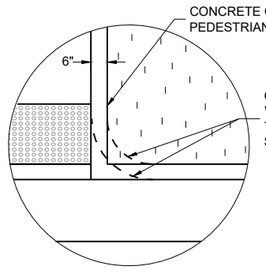
DETAIL A



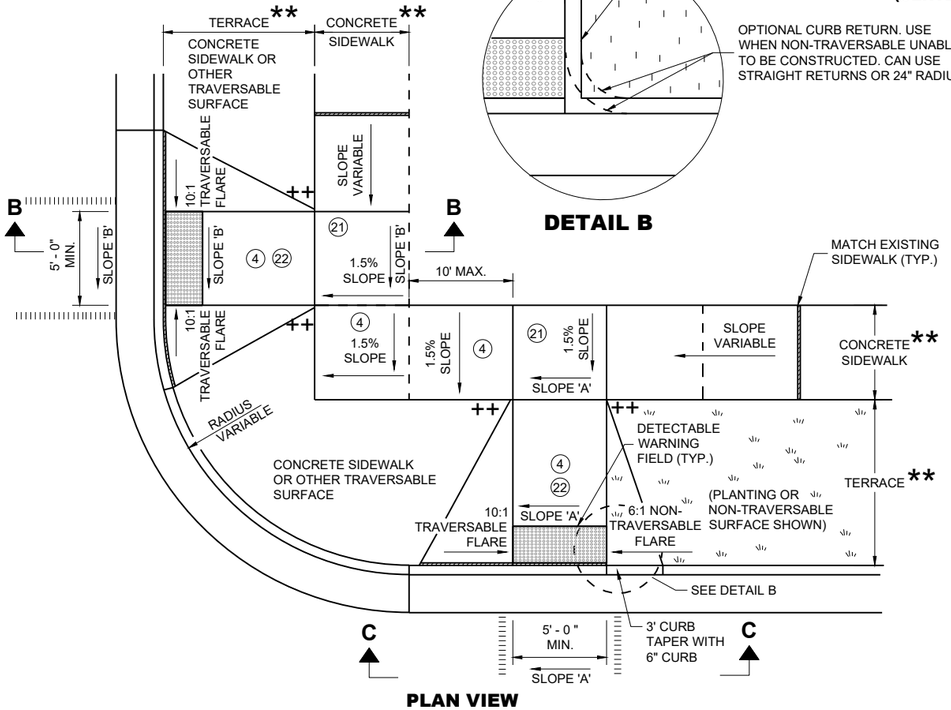
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



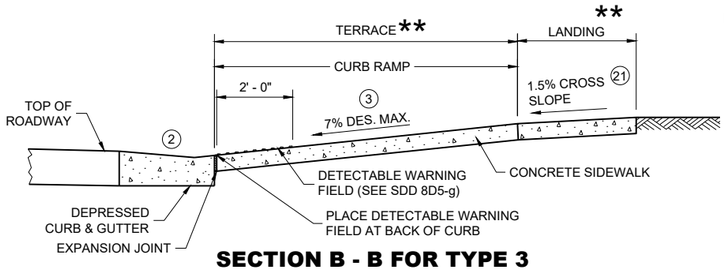
DETAIL B



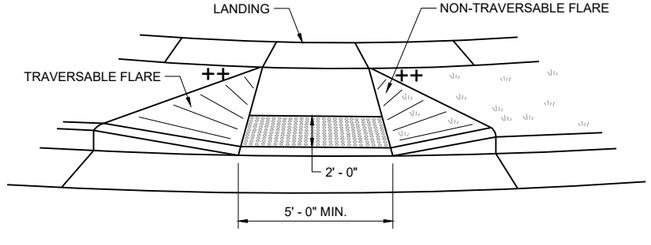
PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB 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 COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

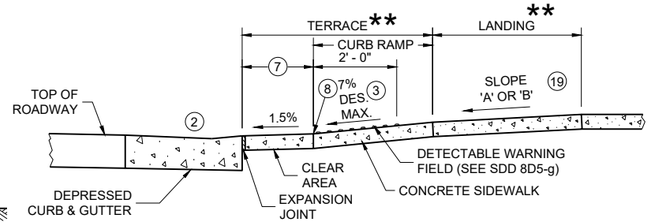
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



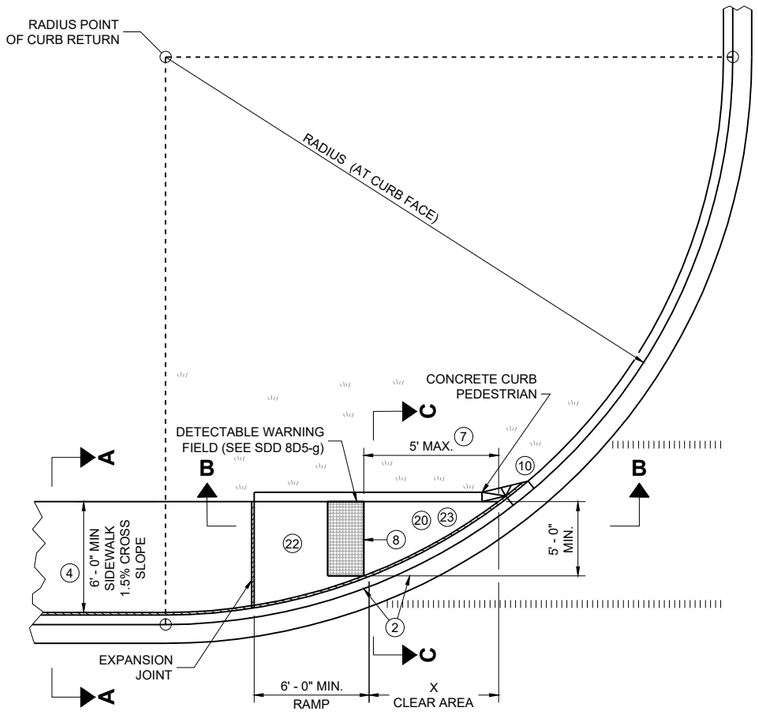
SECTION A - A FOR TYPE 2

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

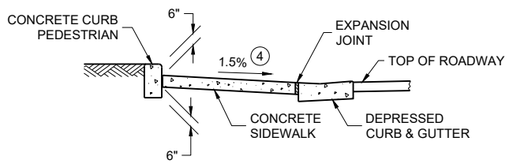
CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

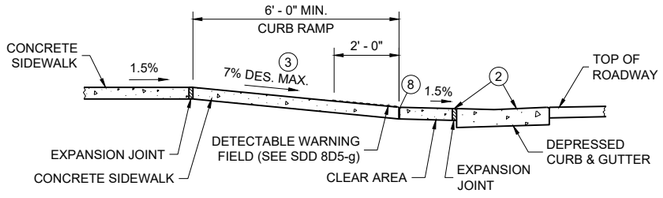


PLAN VIEW

CURB RAMP TYPE 4A



SECTION C - C FOR TYPE 4A



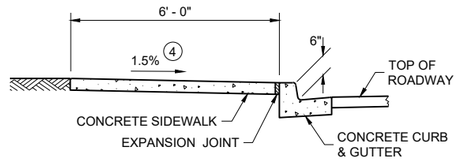
SECTION B - B FOR TYPE 4A AND TYPE 4A1

LEGEND

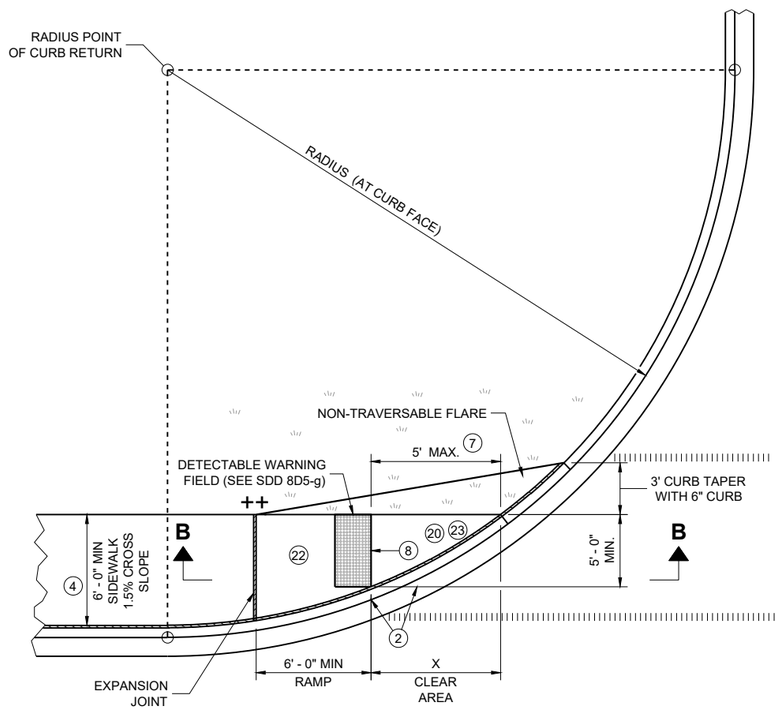
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



PLAN VIEW

CURB RAMP TYPE 4A1

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB 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 COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

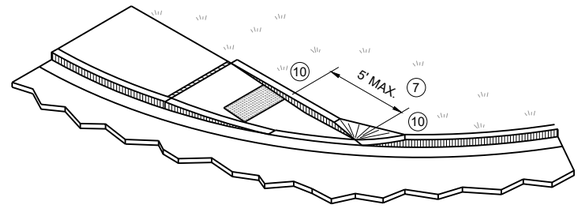
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

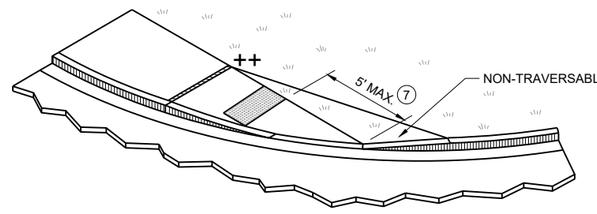
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



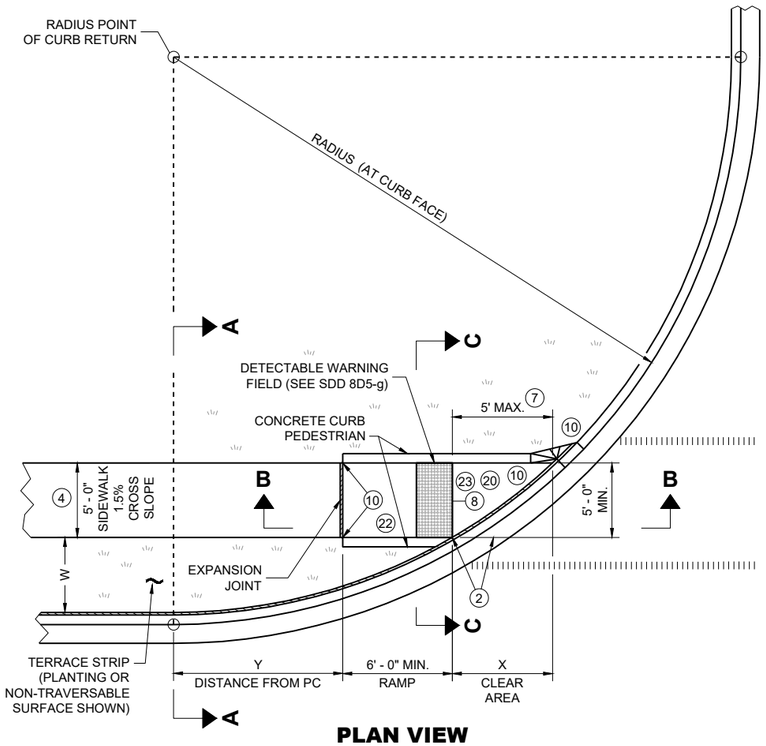
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

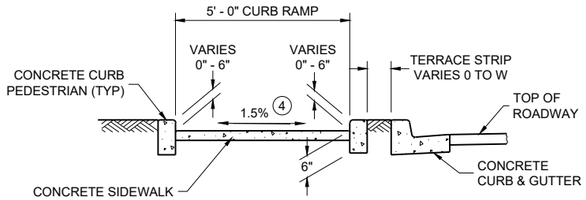
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

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)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB 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 COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

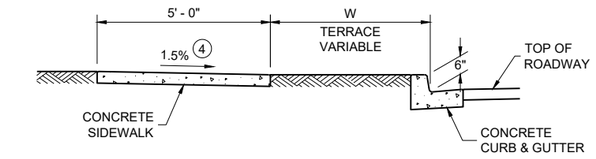
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

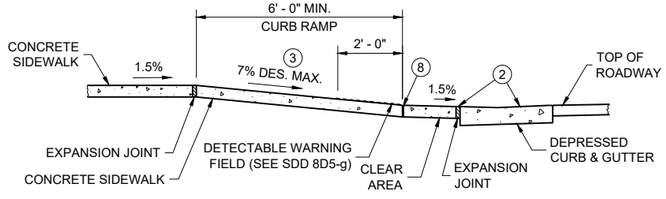
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

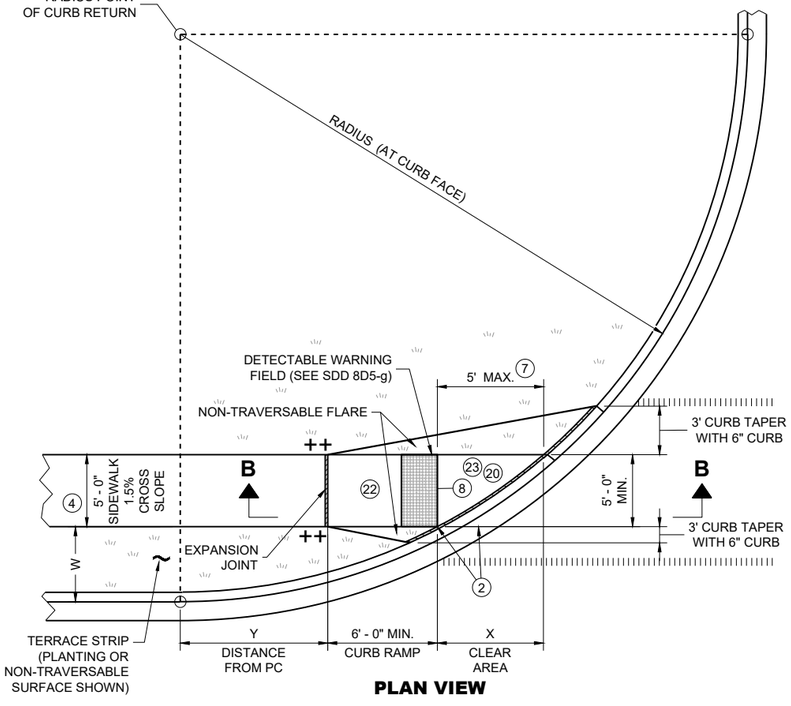
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



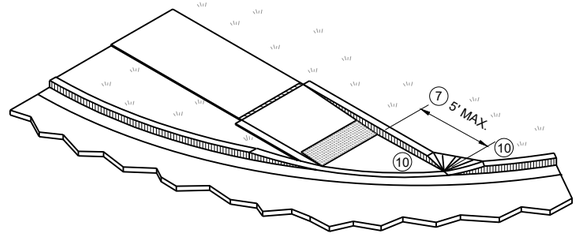
SECTION A - A FOR TYPE 4B



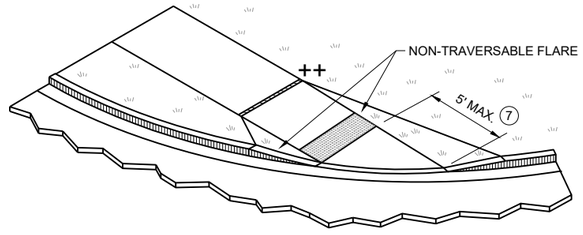
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



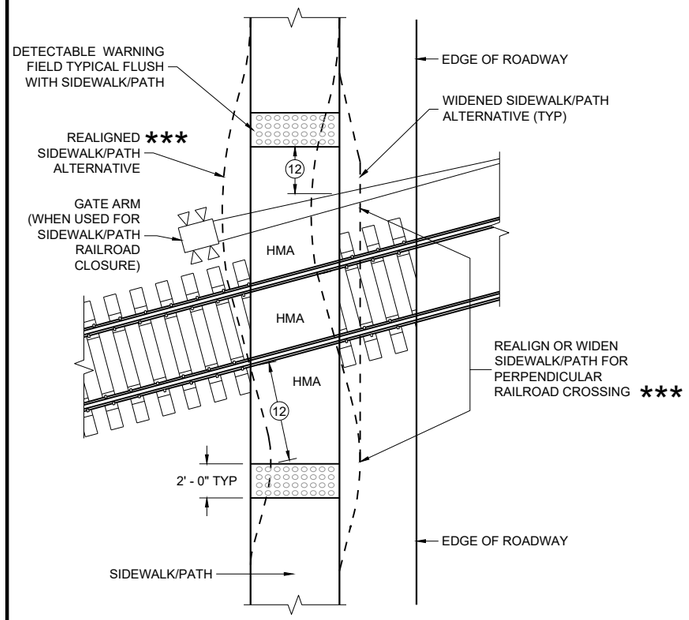
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

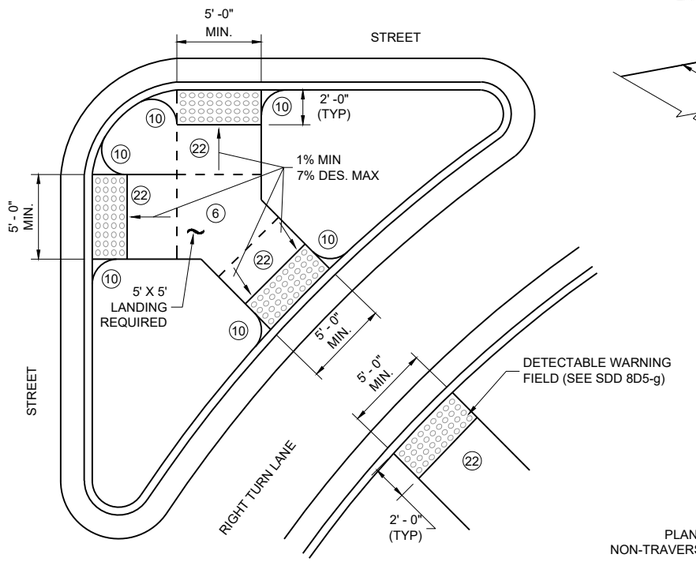
6

SDD 08D05-22d



CURB RAMP TYPE 8

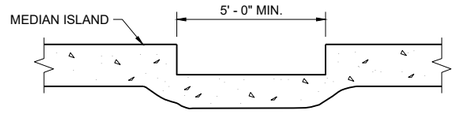
DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



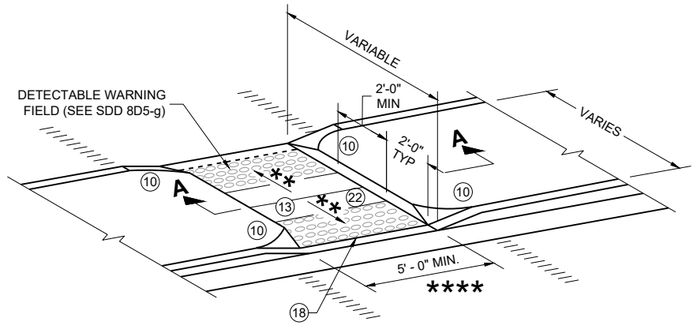
CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

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

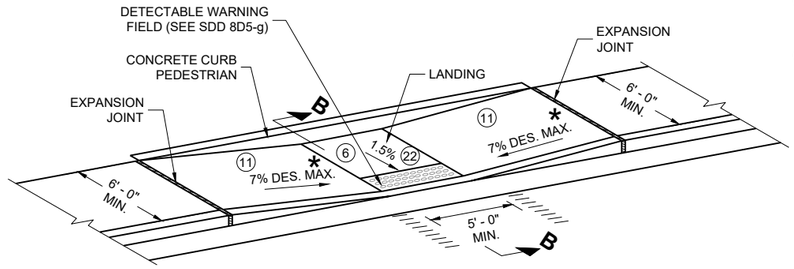


SECTION A - A FOR TYPE 5



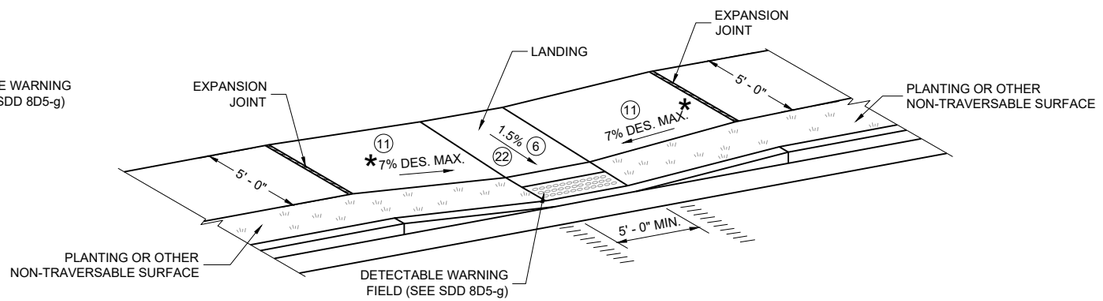
CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB 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 2.1%.

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

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(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.

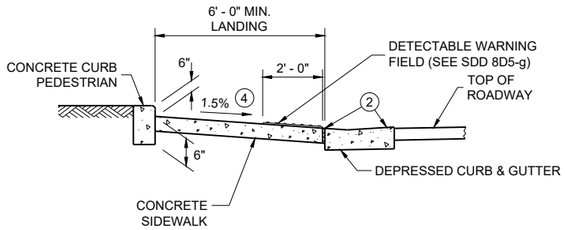
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

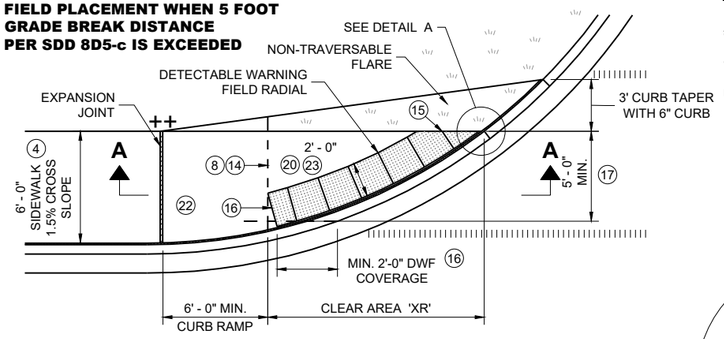


SECTION B - B FOR TYPE 7A

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

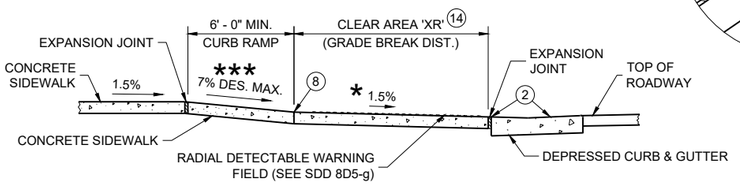
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

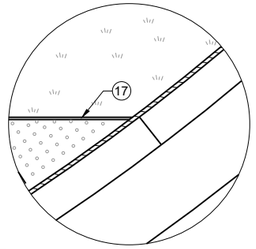
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB 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 COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(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 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

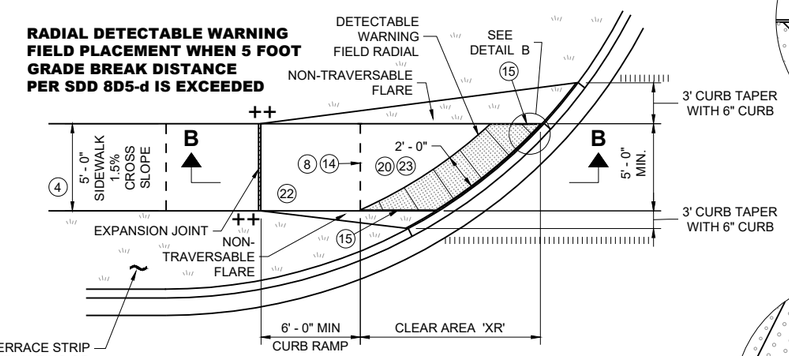
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

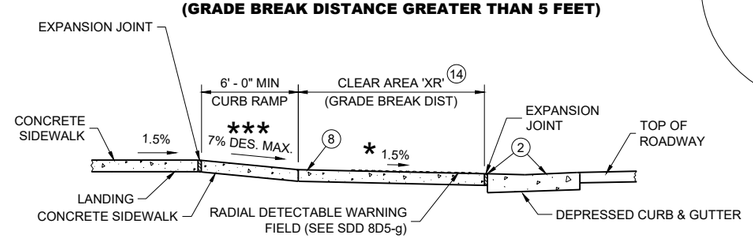
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



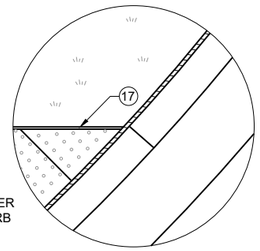
PLAN VIEW

CURB RAMP TYPE 4B1

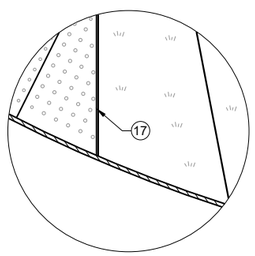
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

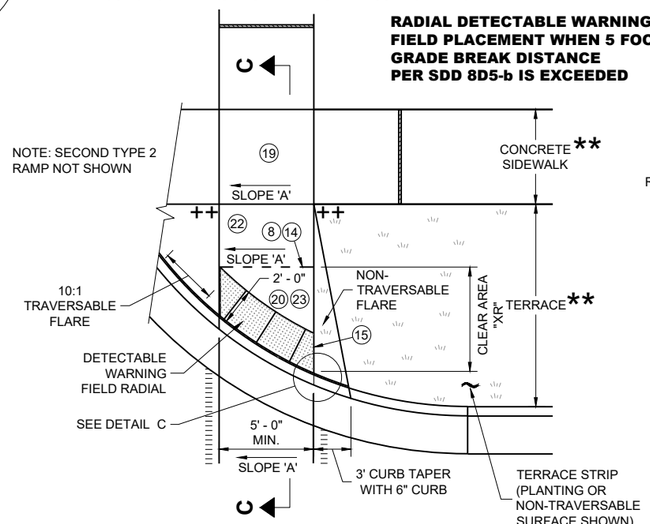


DETAIL B



DETAIL C

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

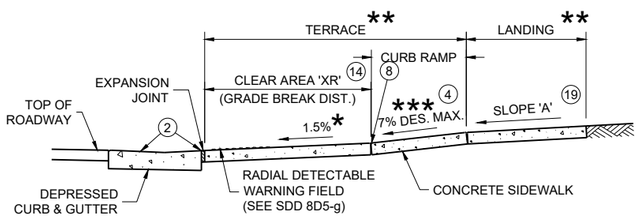


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



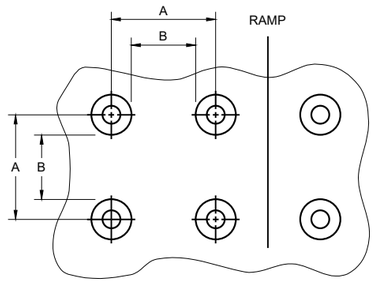
SECTION C - C FOR TYPE 2

CURB RAMPS RADIAL DETECTABLE WARNING

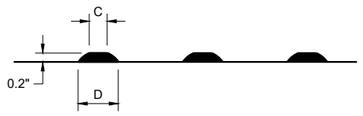
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

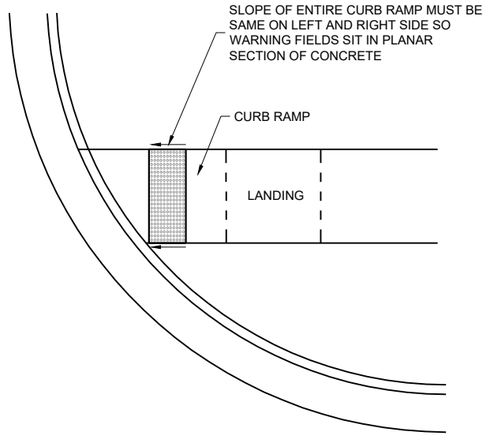
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

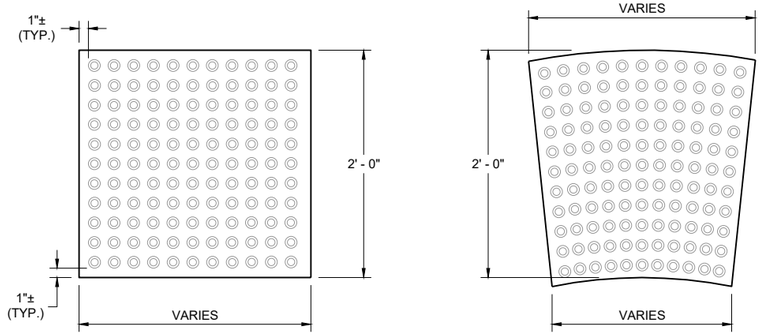
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE.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

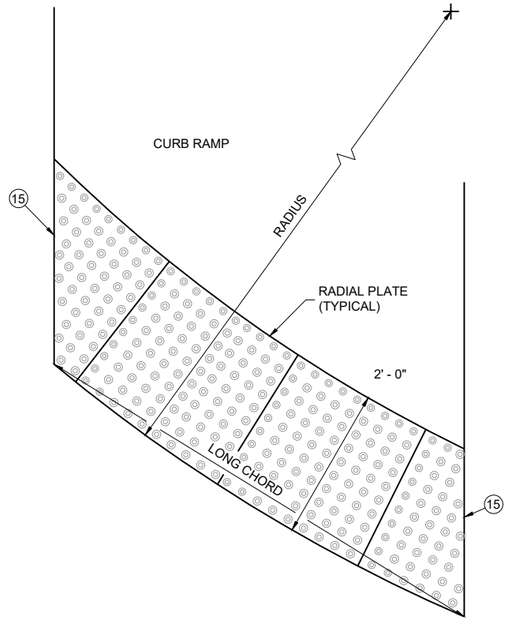
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



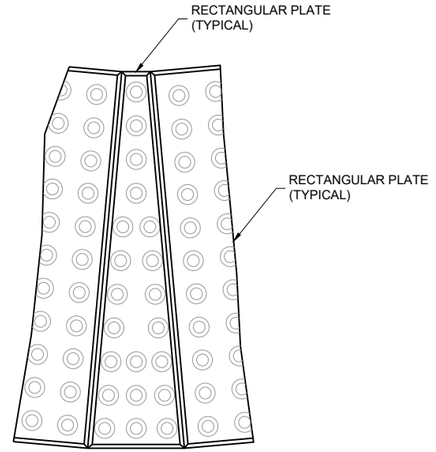
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



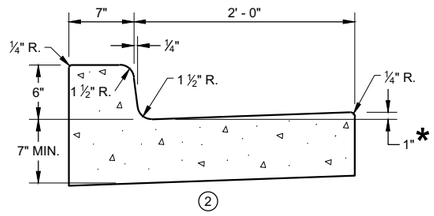
PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

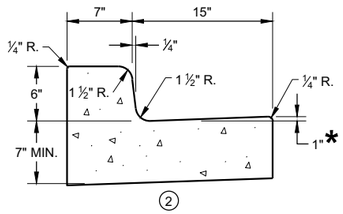
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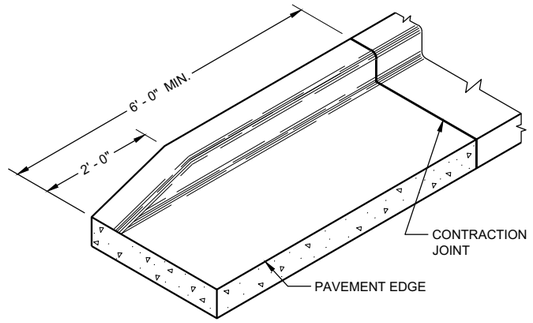


CONCRETE CURB AND GUTTER 31" ①

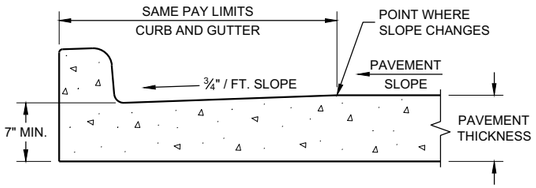
*TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



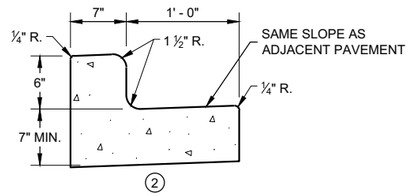
CONCRETE CURB AND GUTTER 22" ①



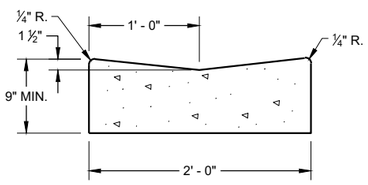
END SECTIONCURB AND GUTTER



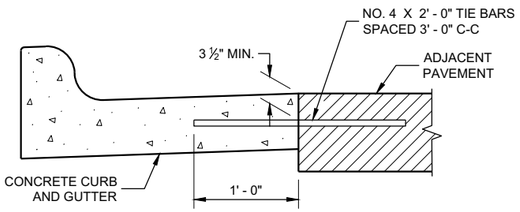
PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER



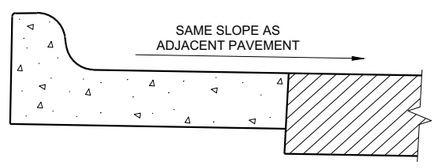
CONCRETE CURB AND GUTTER 19" ①



CONCRETE GUTTER 24" ①



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.

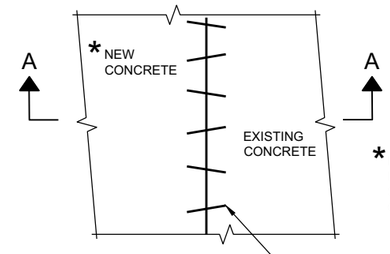
INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

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".

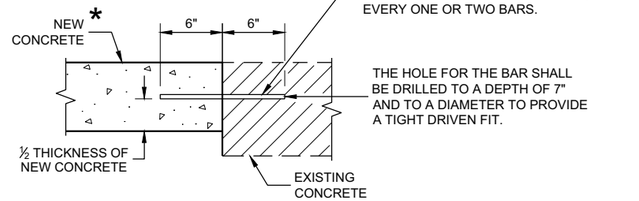
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLANS



*EXISTING AND NEW CONCRETE MAY BE CURB AND GUTTER, SURFACE DRAINS, PAVEMENT OR OTHER CONCRETE STRUCTURE.

PLAN VIEW



SECTION A - A

PAVEMENT TIES

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

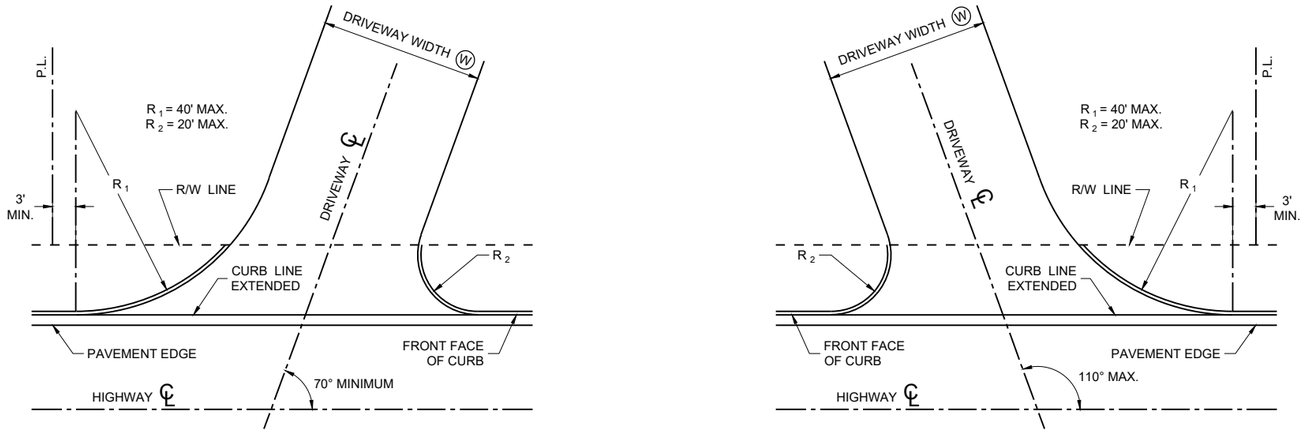
(For Optional use in Milwaukee Co. Only)

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DEPARTMENT OF TRANSPORTATION

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February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
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SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

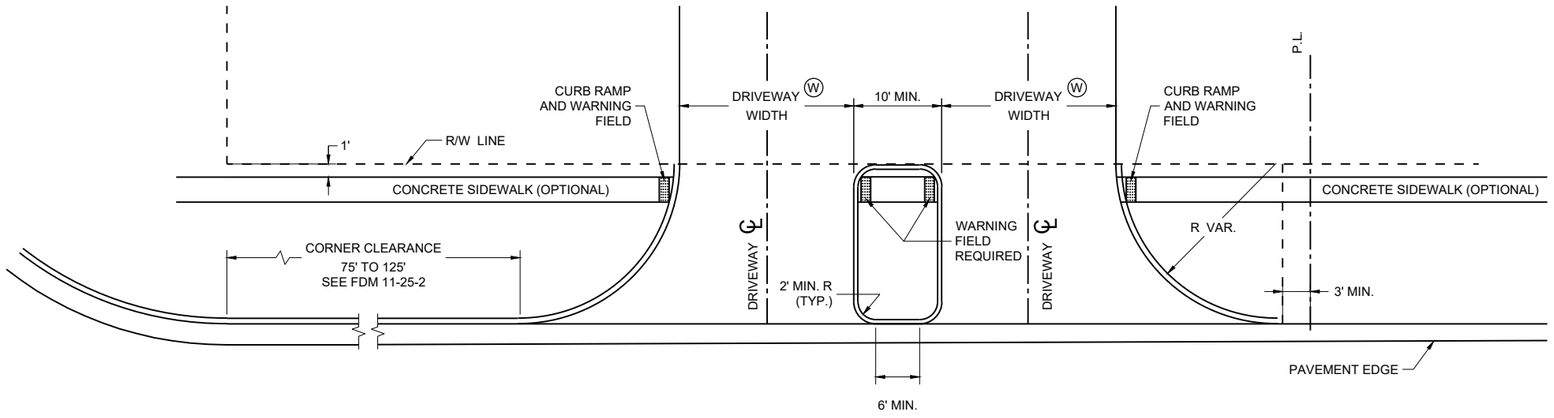
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

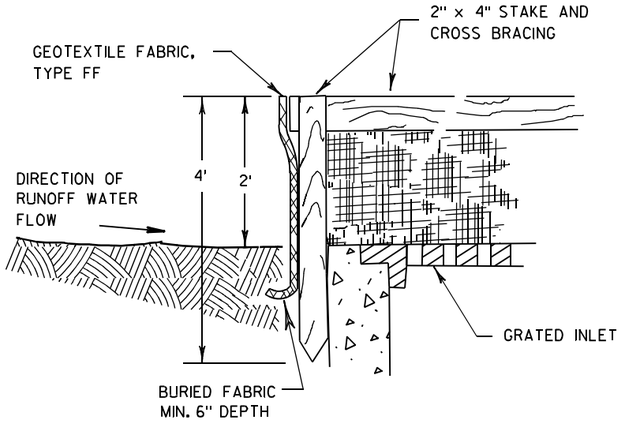
DRIVEWAYS WITH CURB AND GUTTER RETURNS

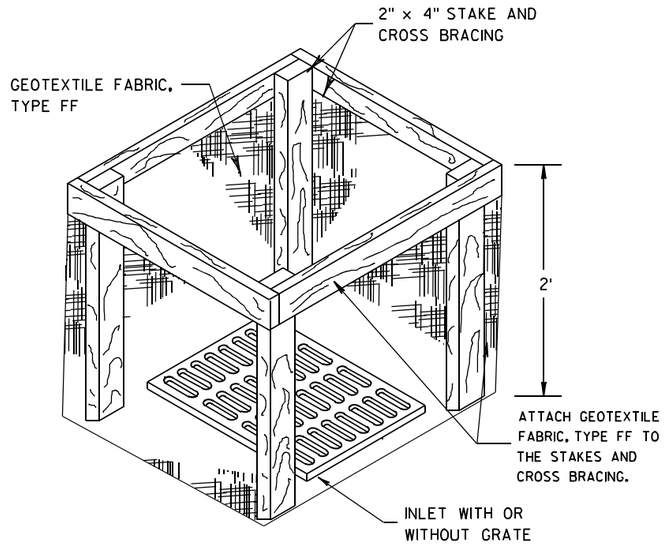
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

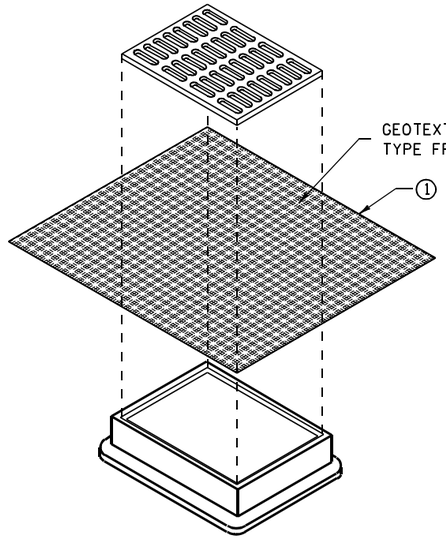
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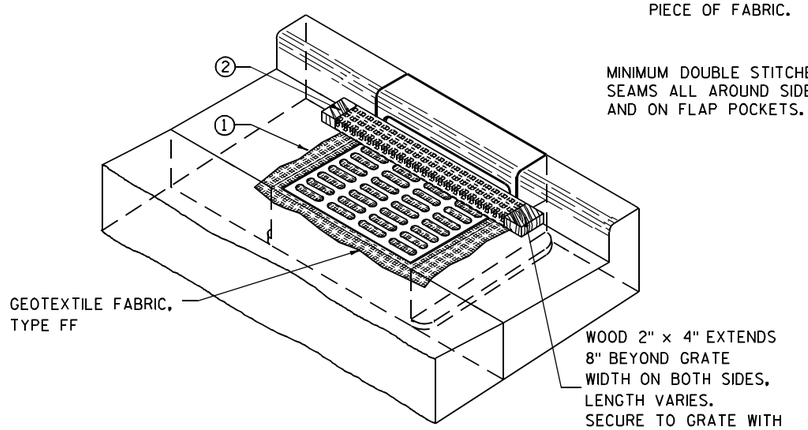


INLET PROTECTION, TYPE A

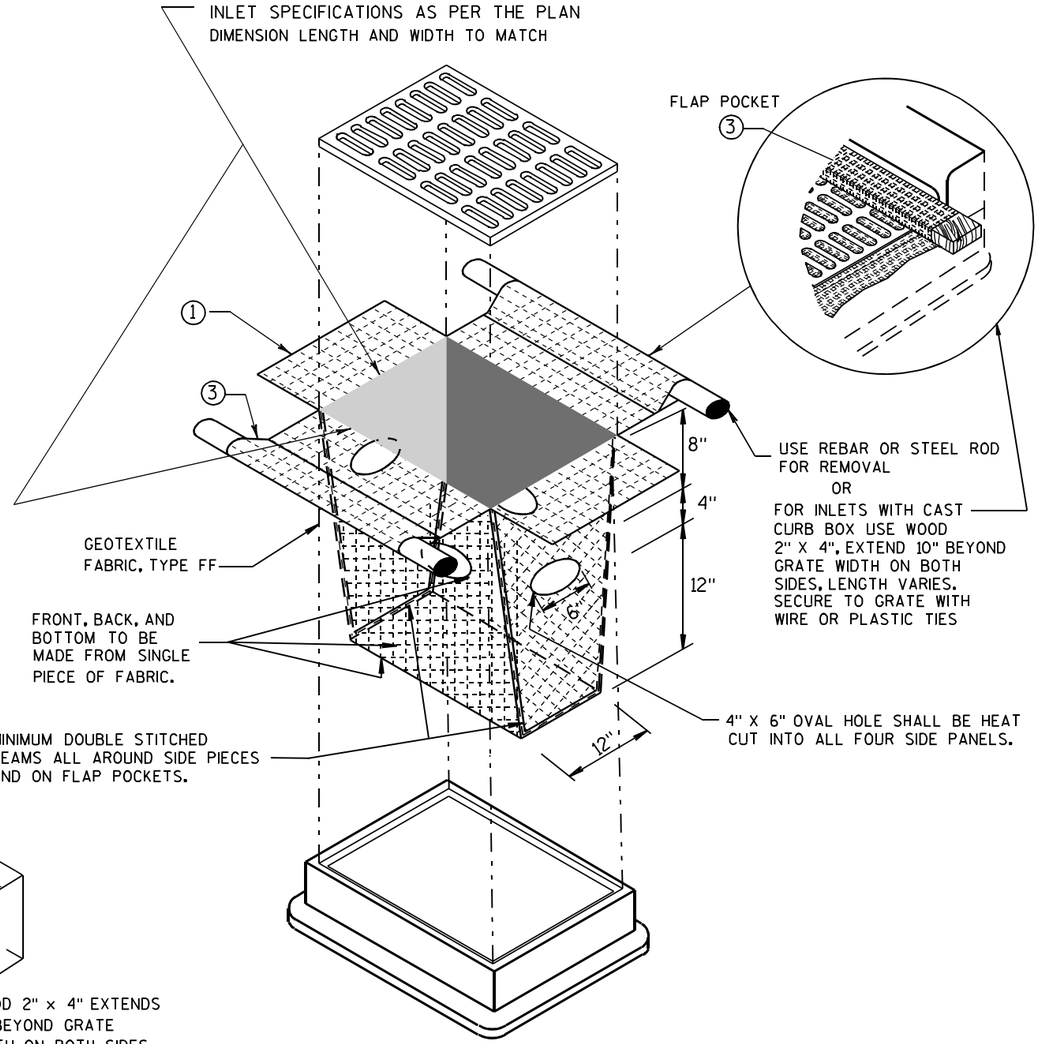


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

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APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

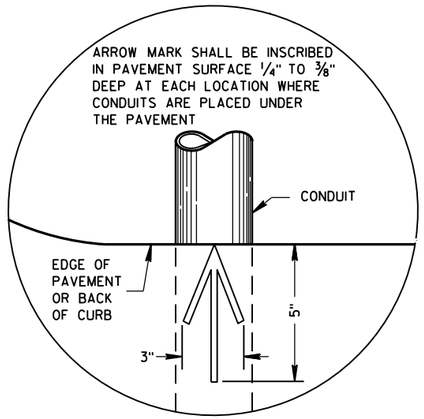
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S.D.D. 8 E 10-2

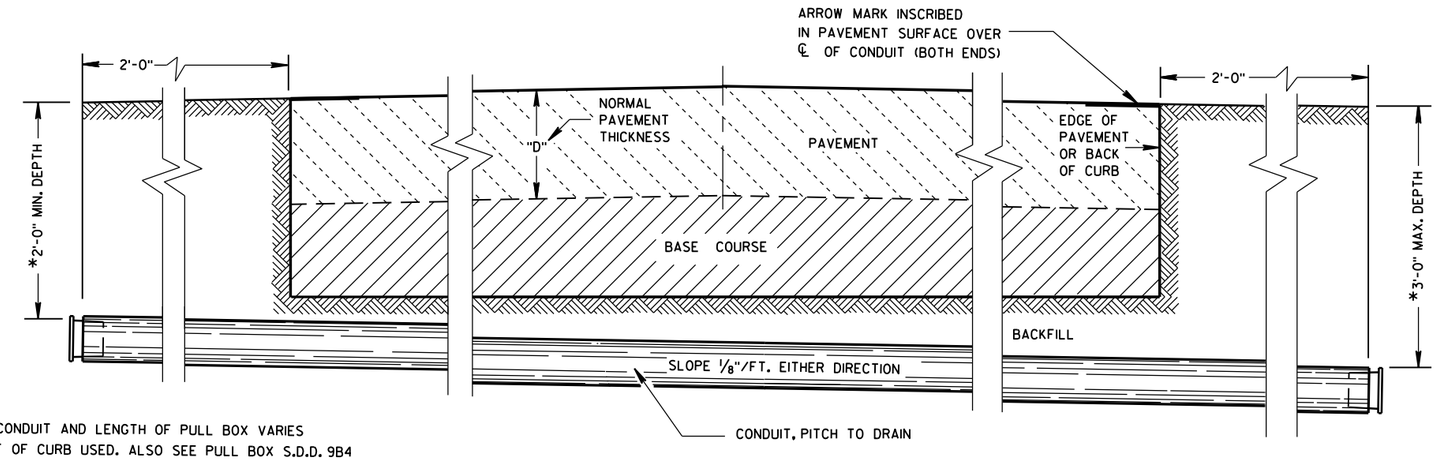
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S.D.D. 8 E 10-2



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.

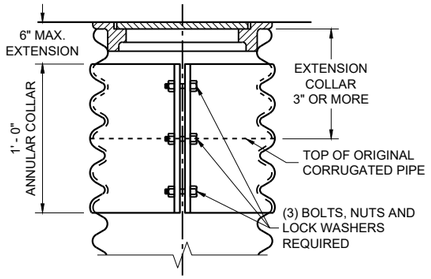
CONDUIT

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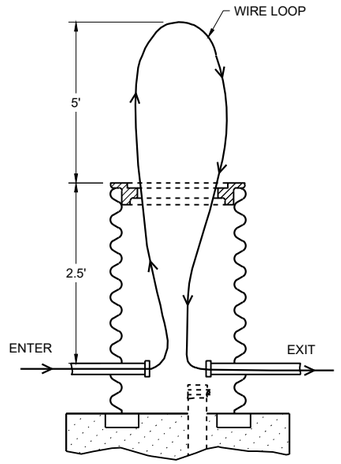
APPROVED
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/S/ Ahmet Demirbilek — STATE ELECTRICAL
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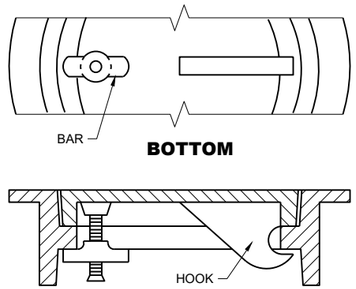
S.D.D. 9 B 2-10



CORRUGATED PIPE EXTENDER



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



BOTTOM

SECTION

ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

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.

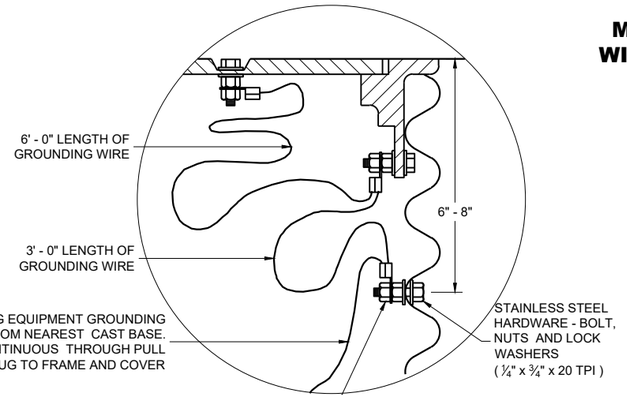
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

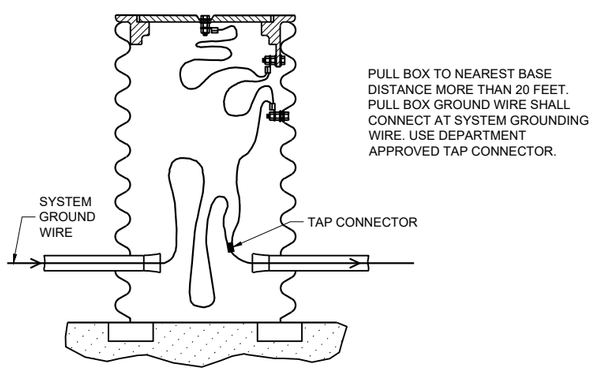
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

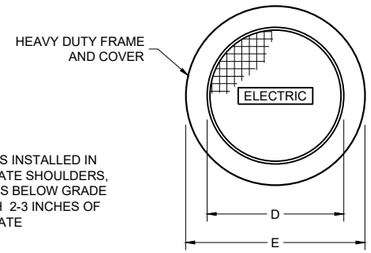
WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



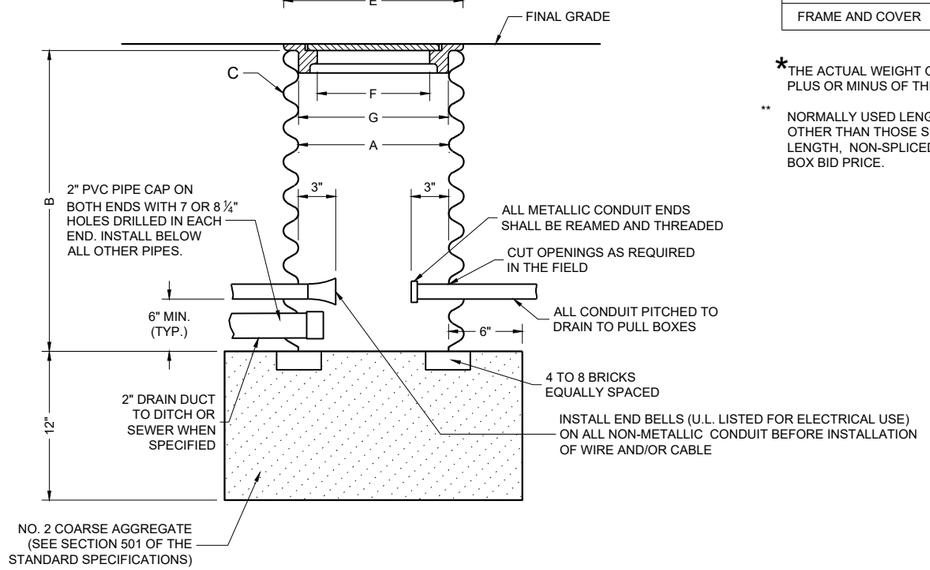
EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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



PULL BOX

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
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

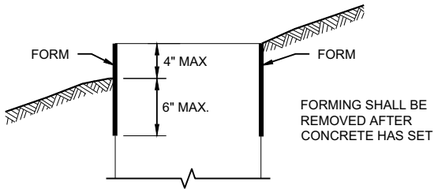
6

SDD 09B04-13

6

SDD 09B04-13

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.

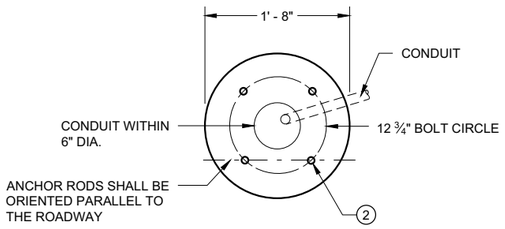
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

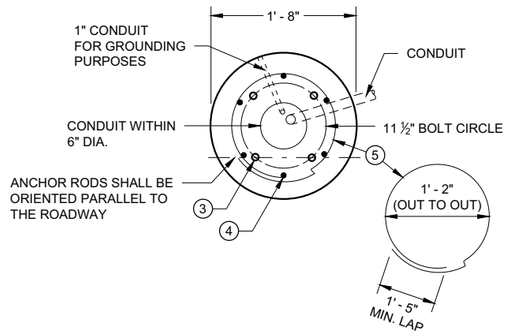
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

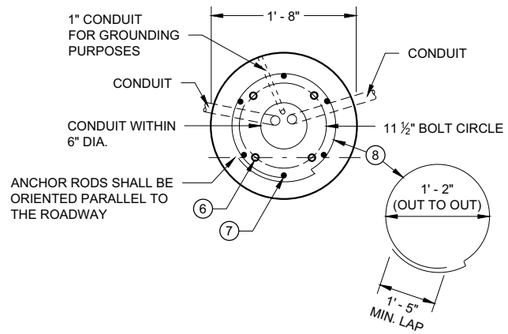
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

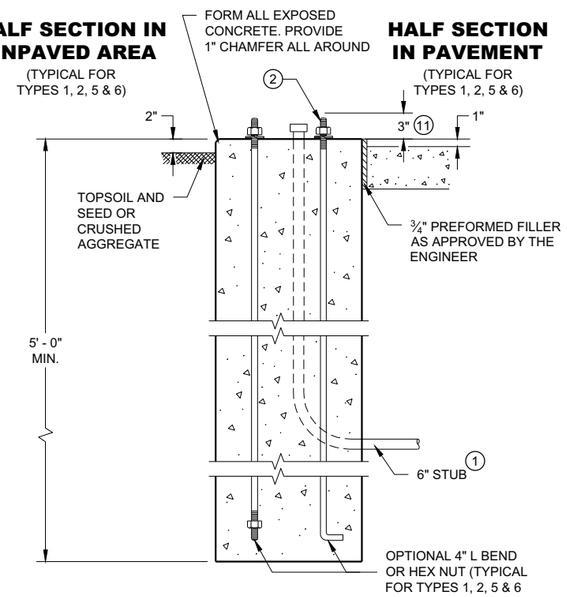
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

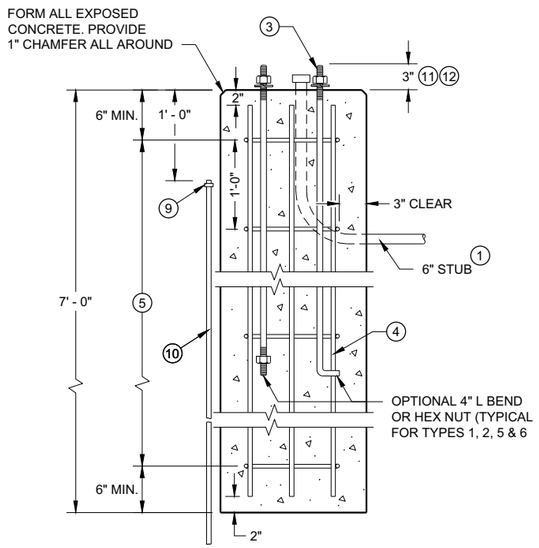
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

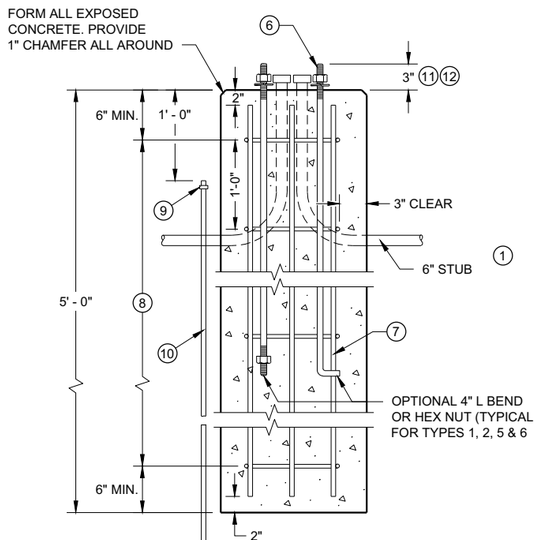
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



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 208

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

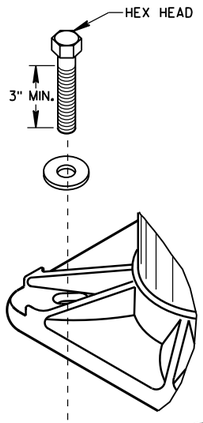
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

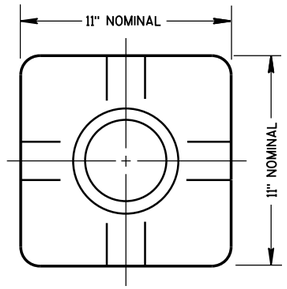
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

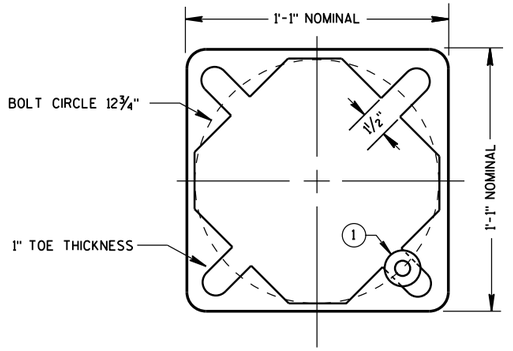
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

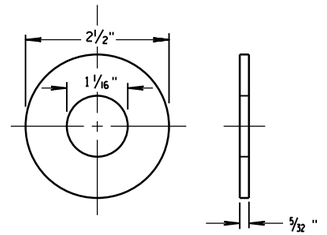




TOP VIEW
(PEDESTAL BASE)

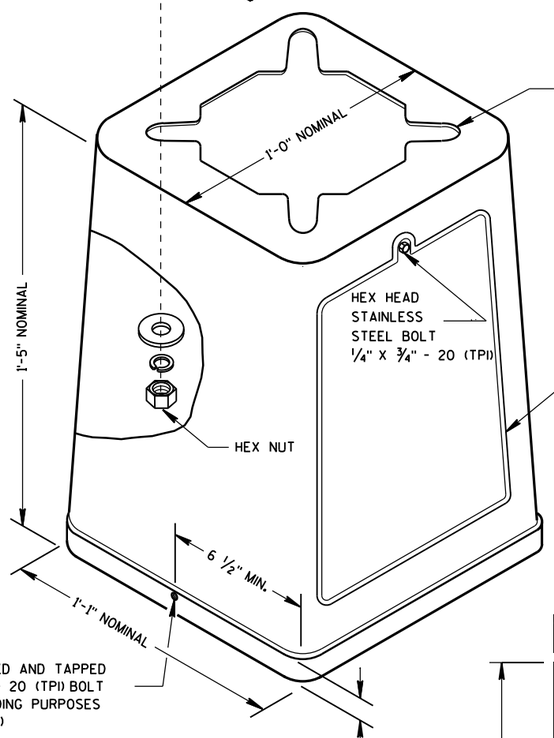


BOTTOM VIEW
(PEDESTAL BASE)

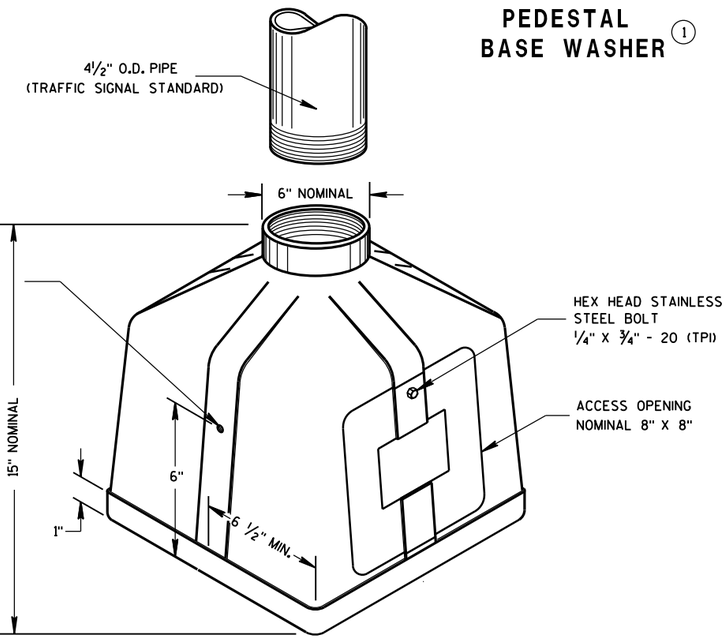


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

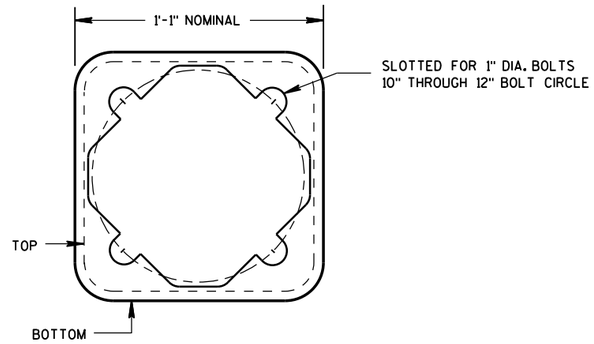


ISOMETRIC VIEW

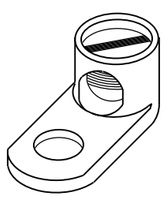


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

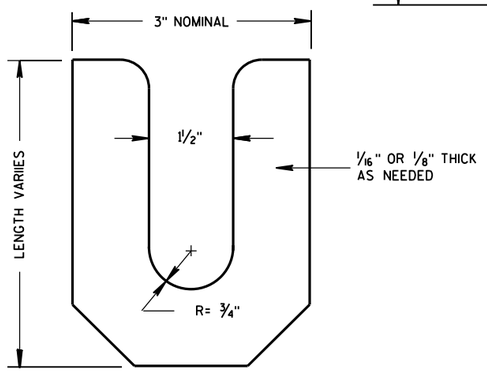


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

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



LEVELING SHIM

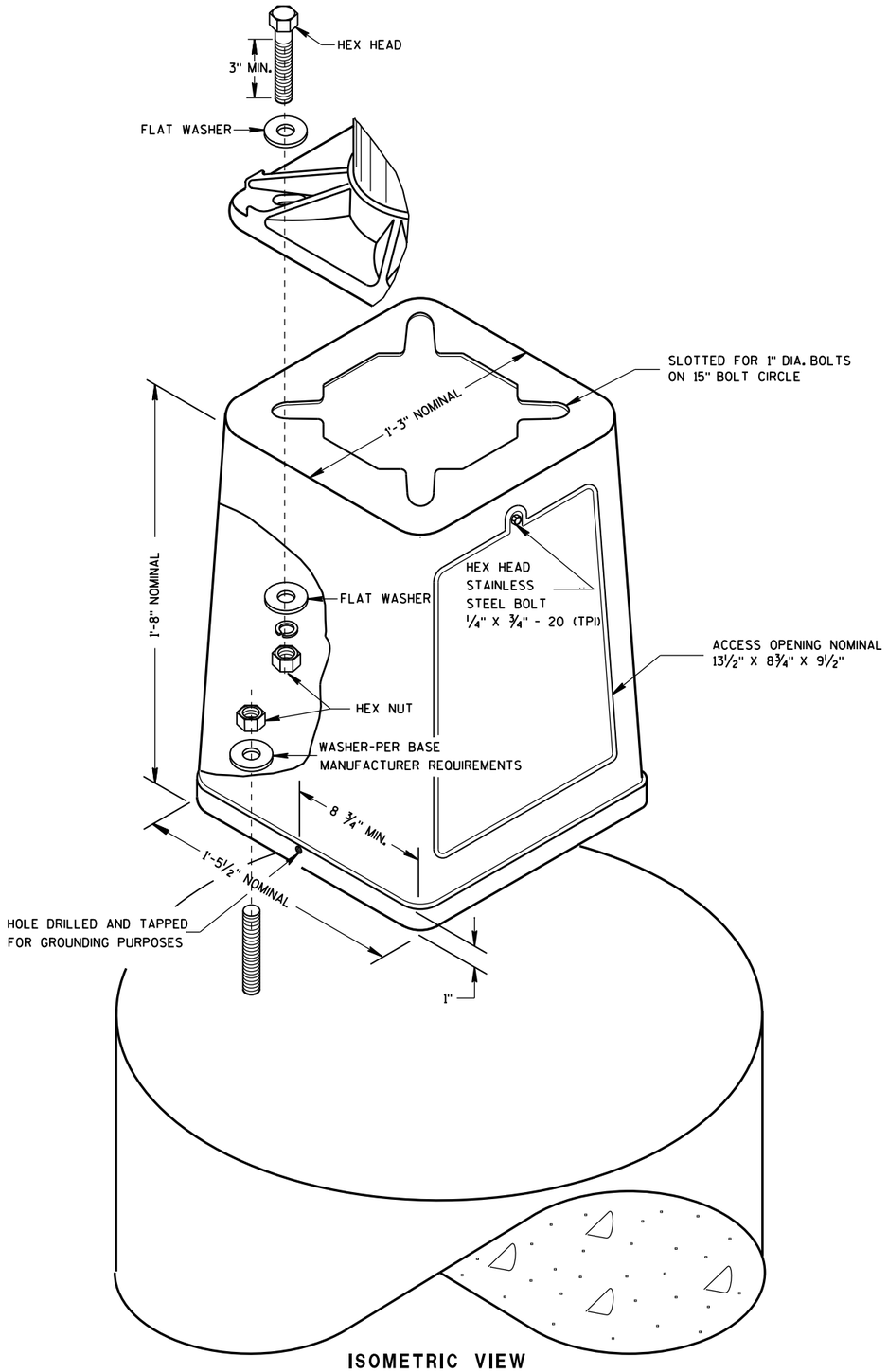
TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

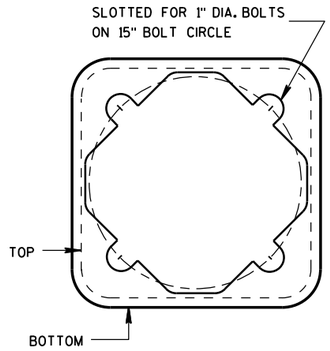
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ISOMETRIC VIEW

TRANSFORMER BASE



BOTTOM VIEW

GENERAL NOTES

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

BREAKAWAY BASES (WHERE REQUIRED) WILL BE MEASURED AND PAID AS SEPARATE ITEMS OF WORK IN ADDITION TO THE LIGHT POLE.

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 DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIMS SHALL BE SIZED TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

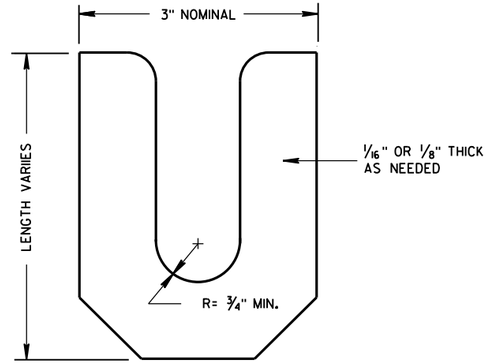
A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE TRANSFORMER BASE.

THE MECHANICAL CONNECTOR (GROUNDING LUG) SHALL BE INSTALLED USING THE TAPPED HOLE PROVIDED BY THE MANUFACTURER. THE MOUNTING BOLT HEXHEAD), NUT, WASHER AND LOCK WASHER SHALL BE STAINLESS STEEL, SIZED TO FIT THE THREADING AND HOLE SIZE, AND BE OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

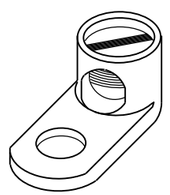
SHOULD A GROUNDING LUG MOUNTING HOLE NOT BE PROVIDED, THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" X 3/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE. IT SHALL BE MOUNTED IN THE SAME LOCATION AS IS SHOWN ON THE DRAWING.

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

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



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE FOR 15" BOLT CIRCLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

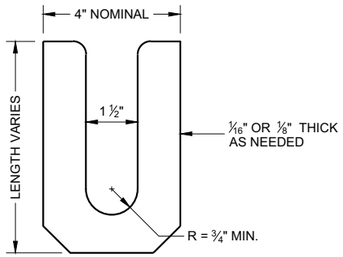
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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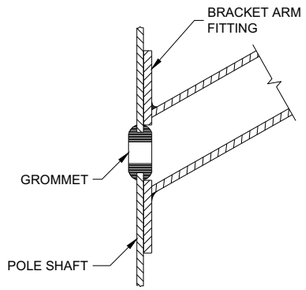
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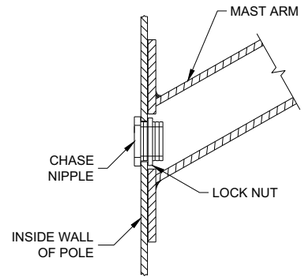
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LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

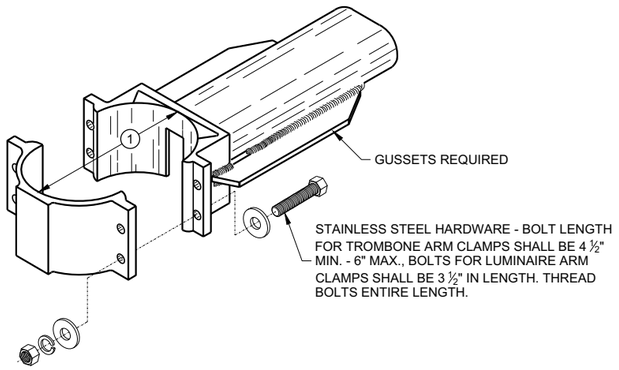
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

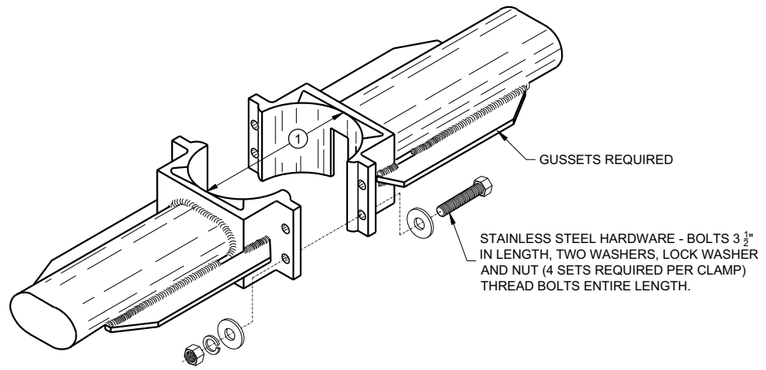
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

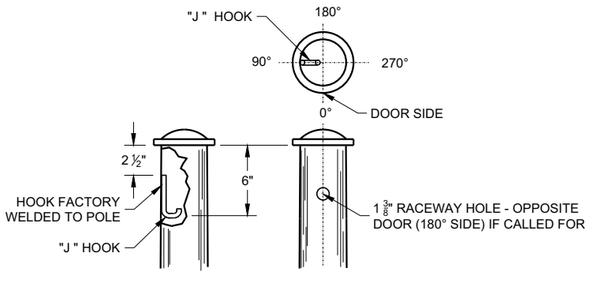
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



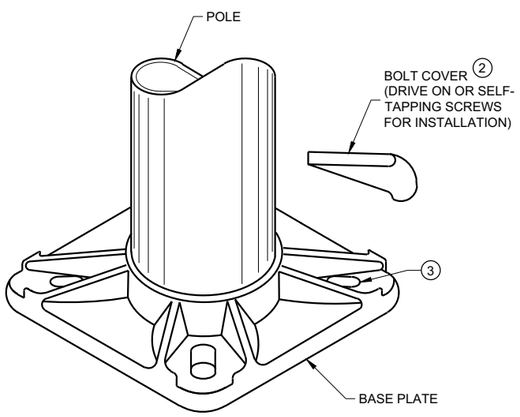
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



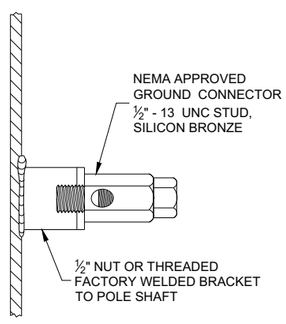
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

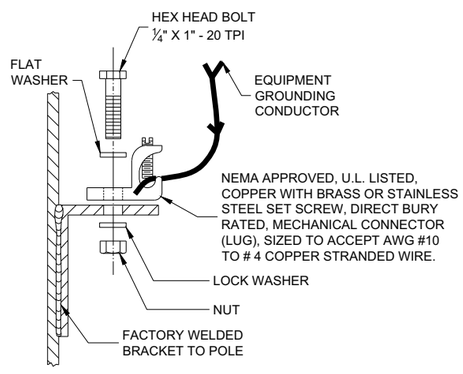


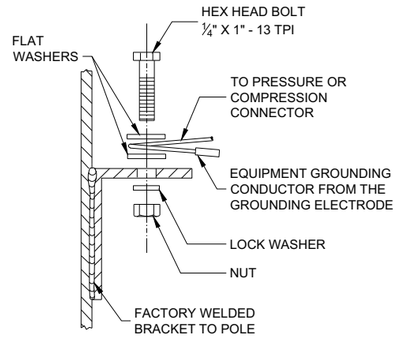
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

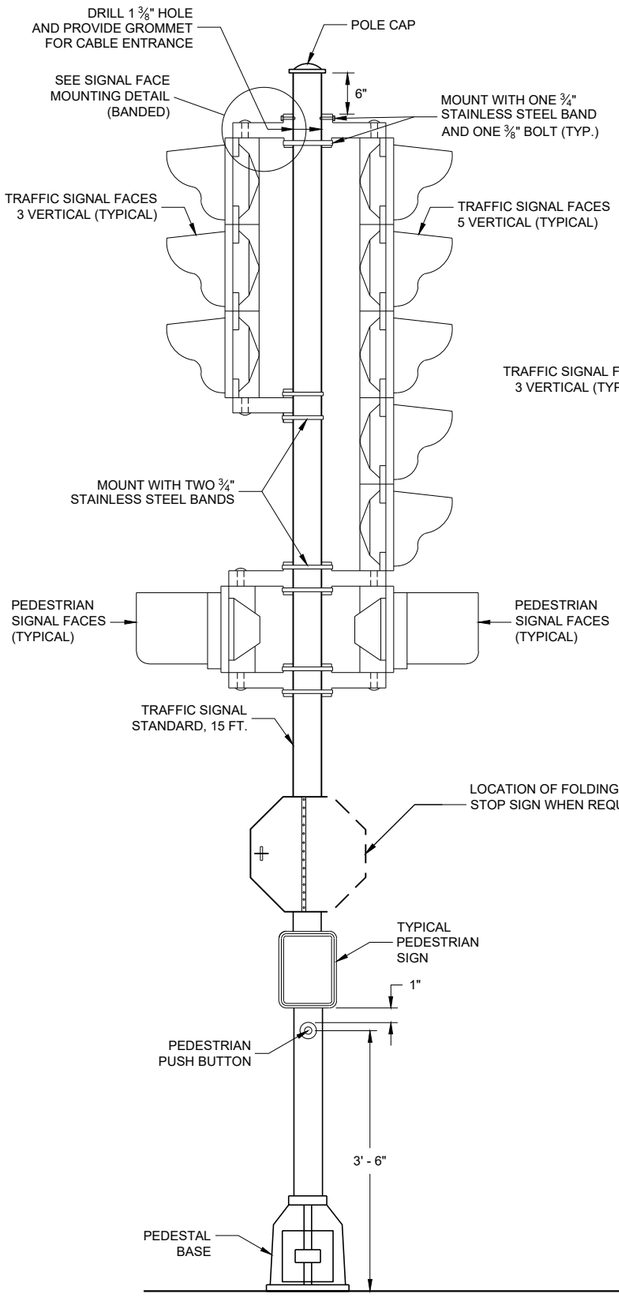
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

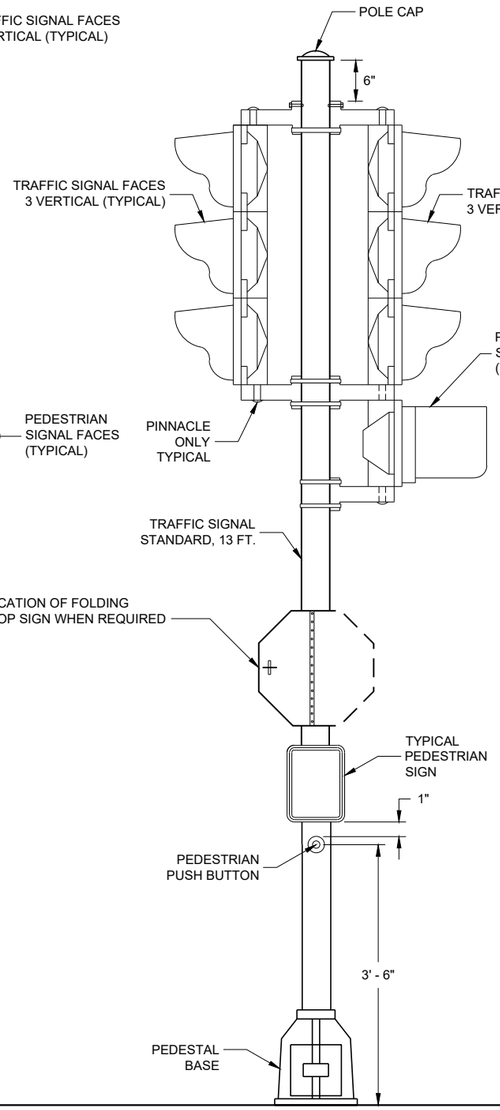
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 211

FHWA

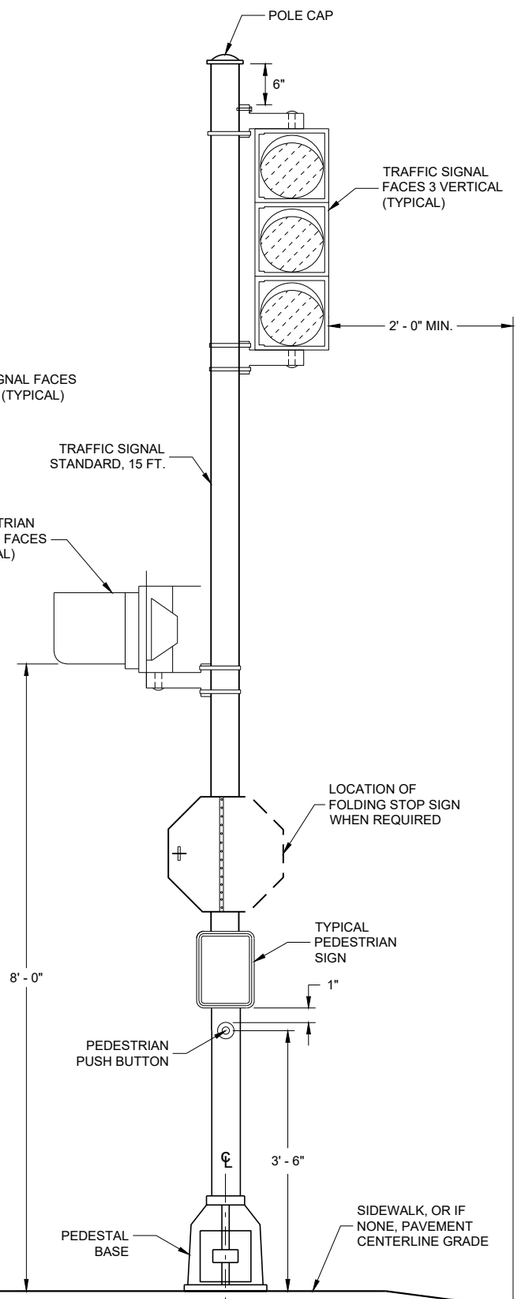
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SDD 09E01 - 15g



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

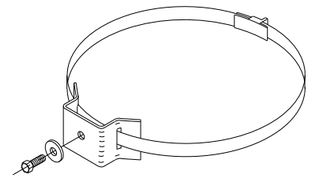
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

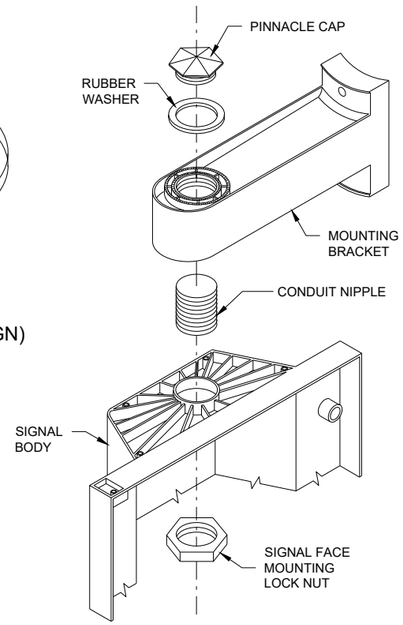
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

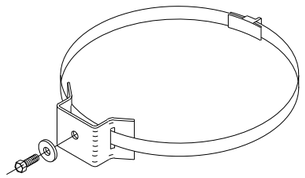
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

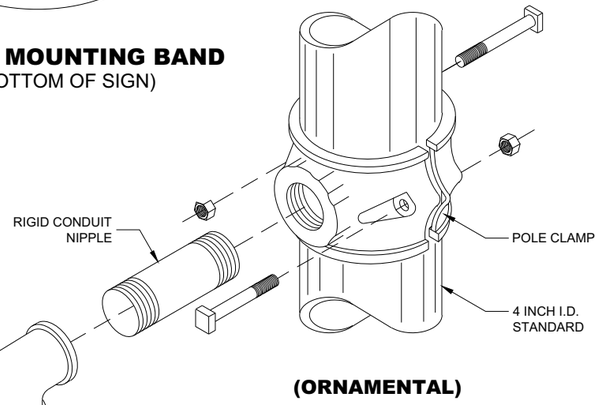
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 212

FHWA

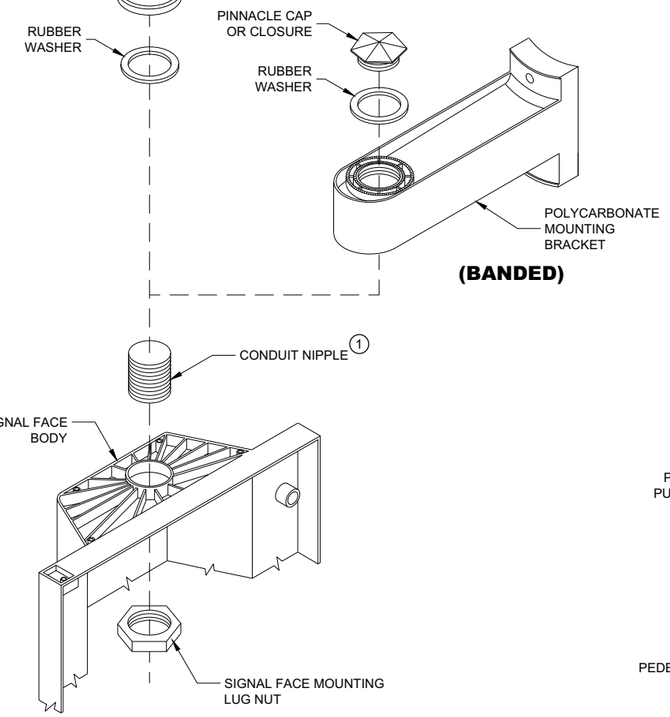
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SDD 09E06 - 05



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

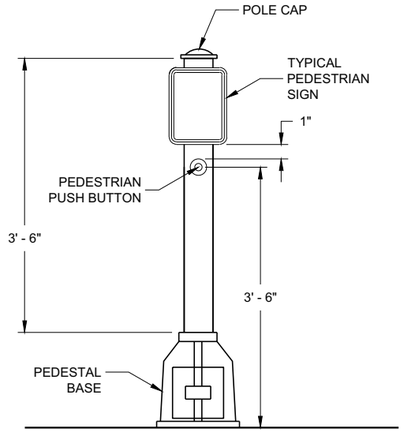


(ORNAMENTAL)



(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.

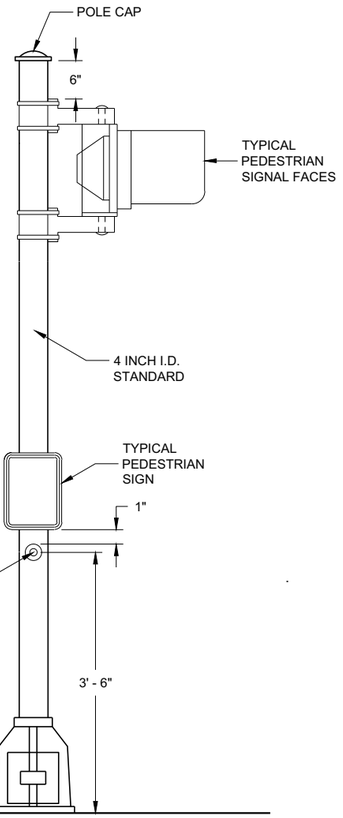
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

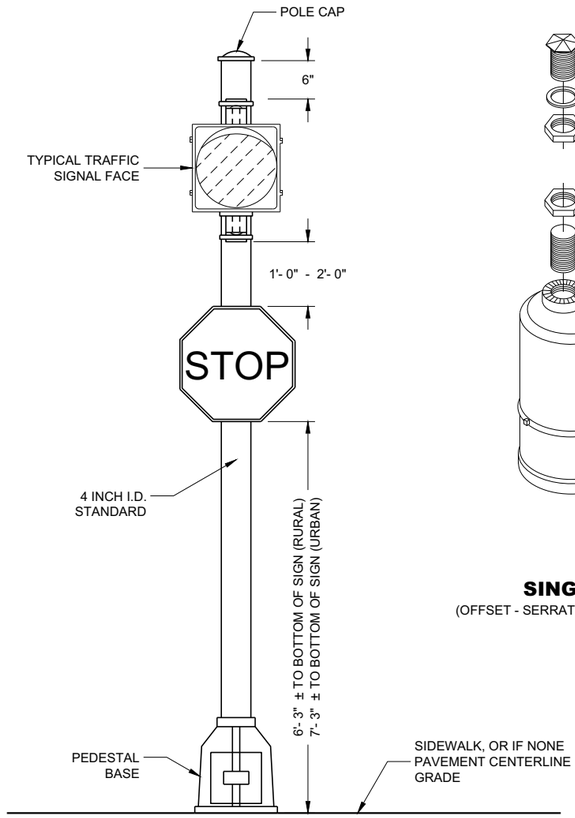
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

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

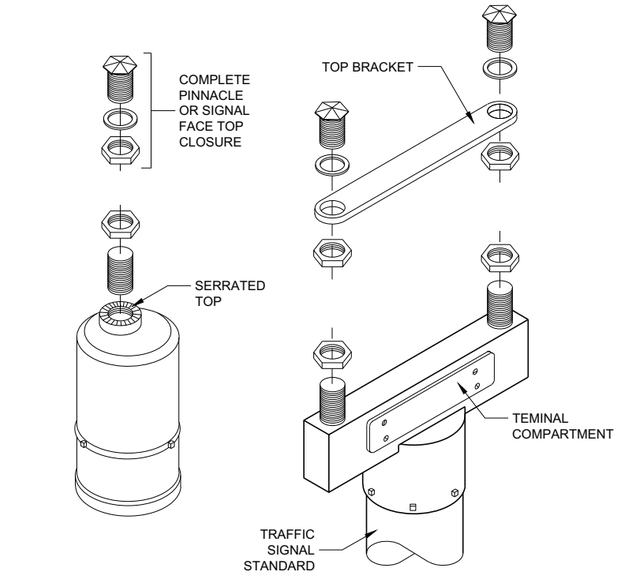
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE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

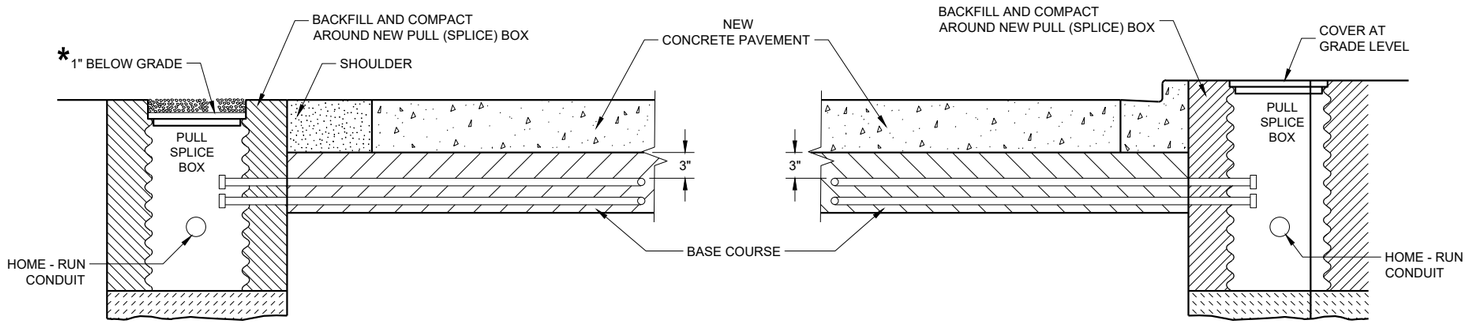
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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SDD 09E07 - 06



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.

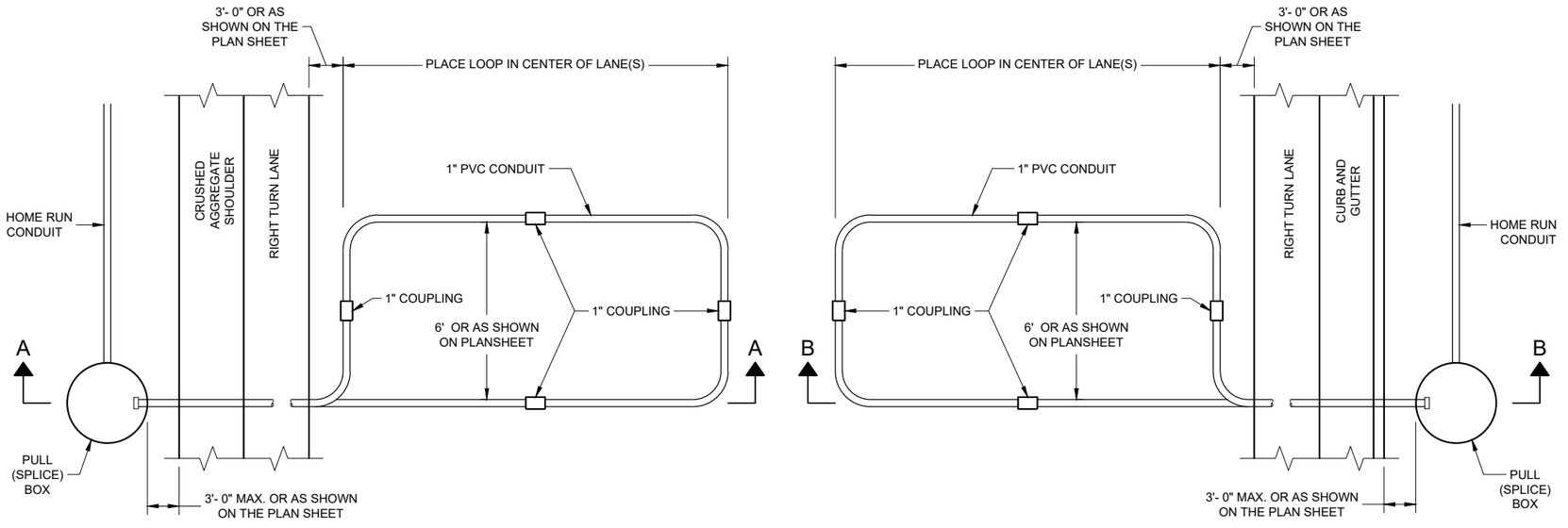
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

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

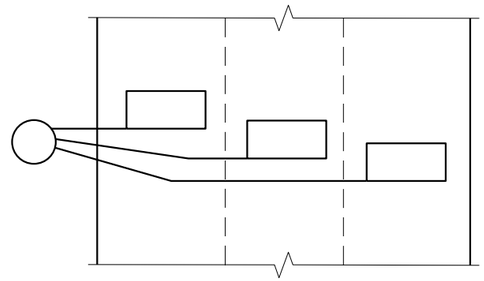
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

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

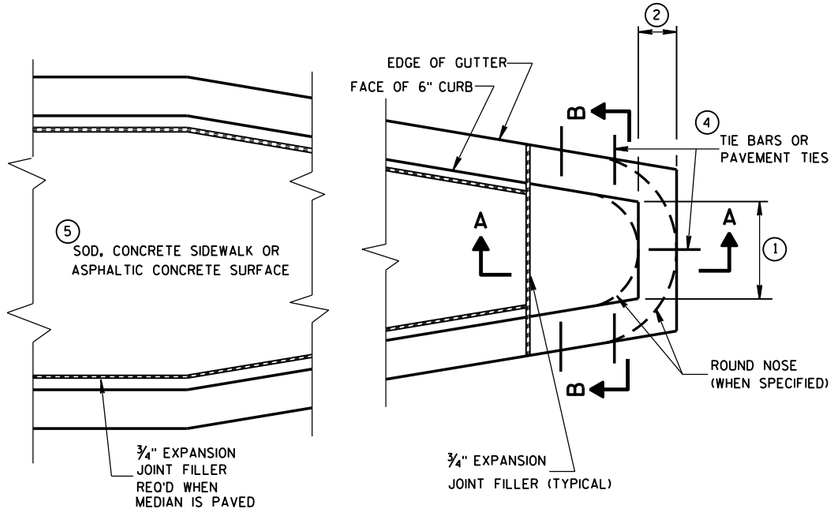
FHWA

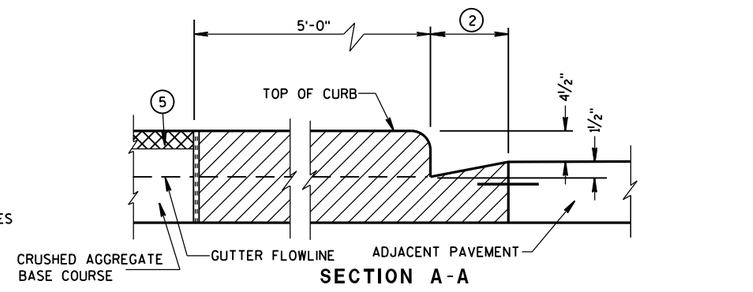
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SDD 09F15 - 04b

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SDD 09F15 - 04b





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

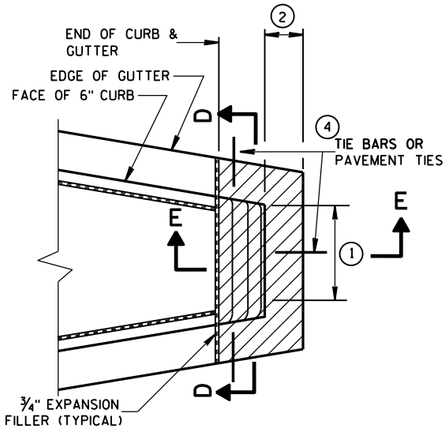
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

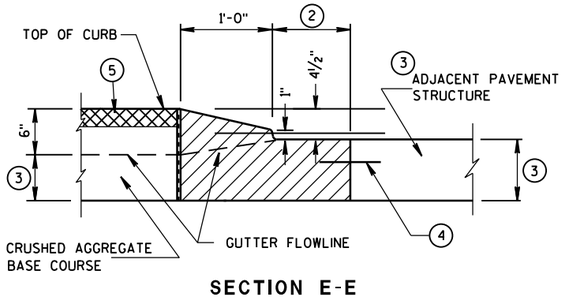
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

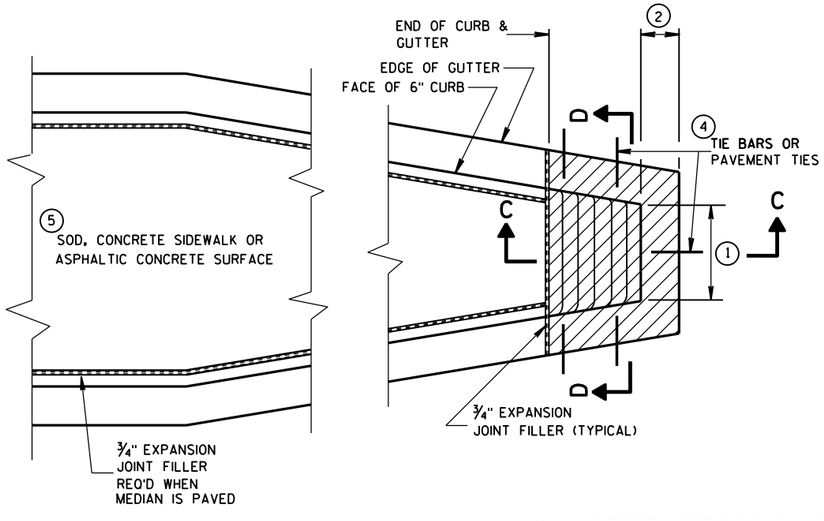
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

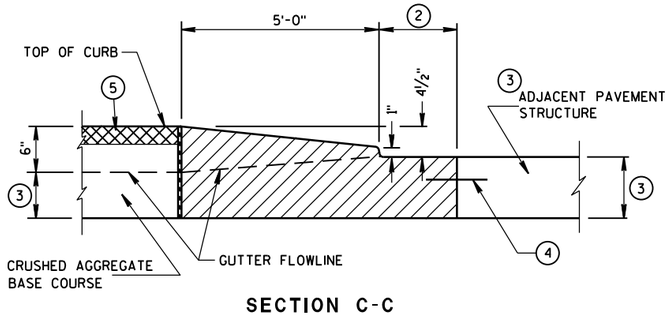
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



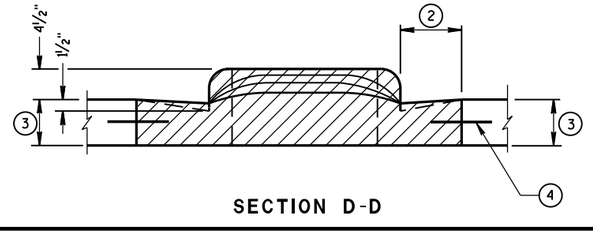


CONCRETE MEDIAN SLOPED NOSE TYPE 2





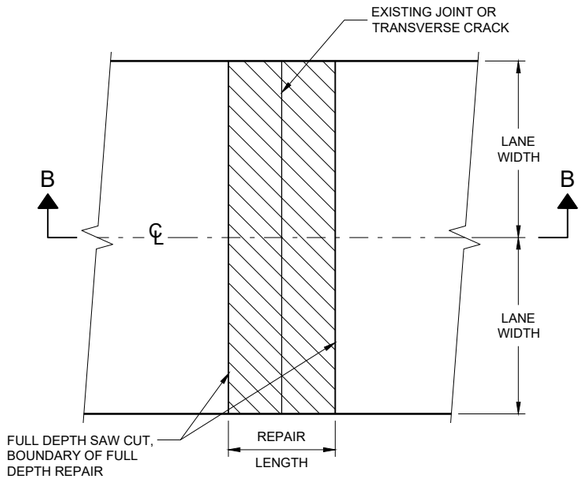
CONCRETE MEDIAN SLOPED NOSE TYPE 1



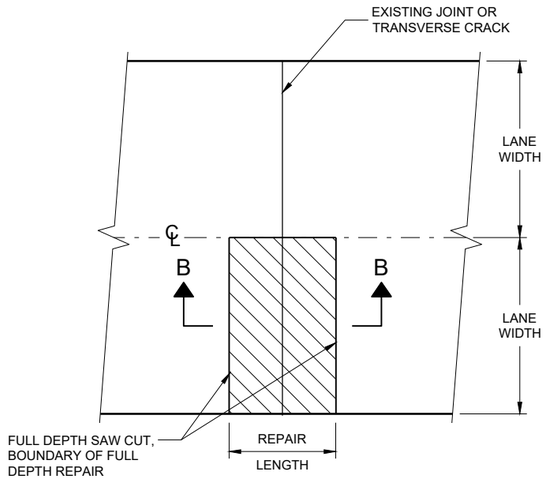
CONCRETE MEDIAN NOSE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/8/2006 DATE FHWA	/S/ Jerry H. Zogg ROADWAY STANDARDS D ENGINEER

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S.D.D. 11 B 2-2



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

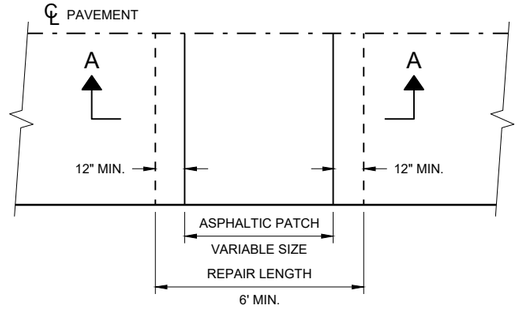
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

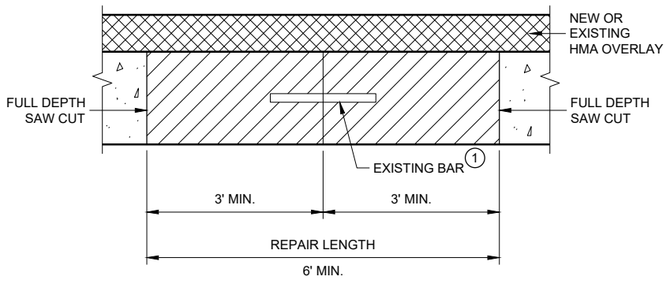
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

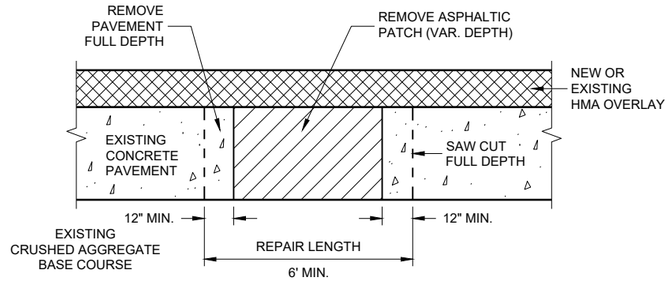


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A

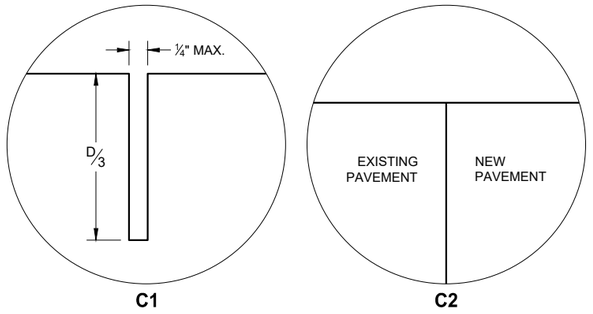
HMA PATCH REMOVAL

BASE PATCHING CONCRETE

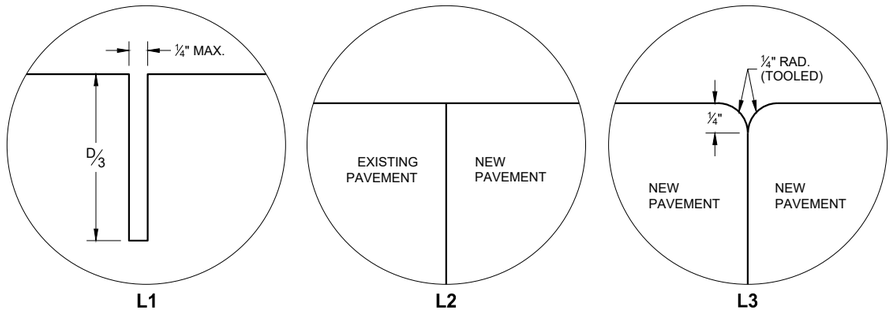
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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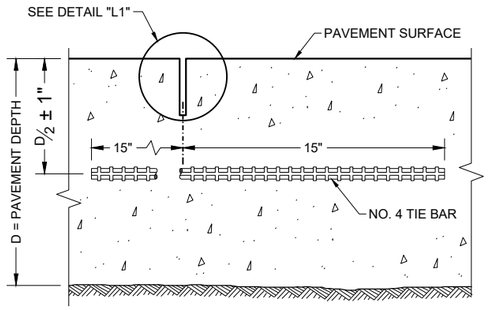
SDD 13C14 - 07a



TRANSVERSE JOINTS

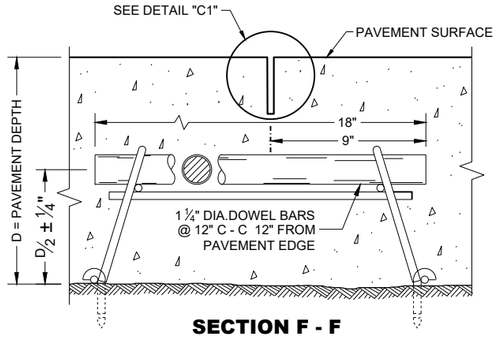


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

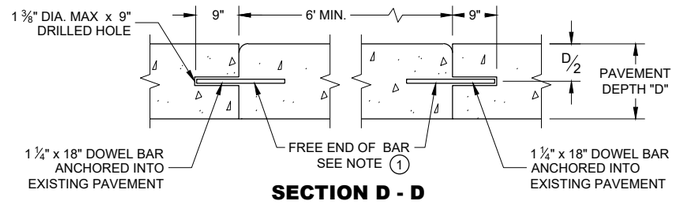
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

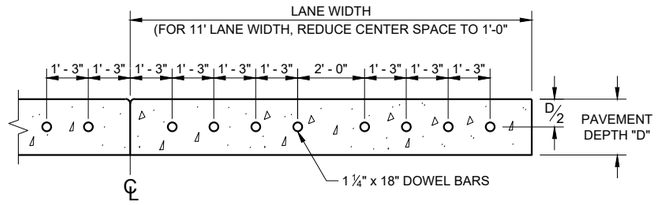
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

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.

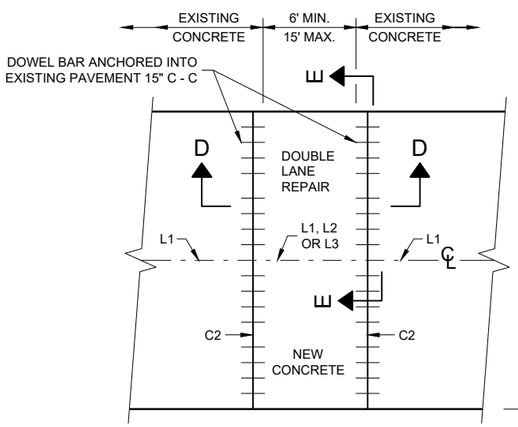


SECTION D - D



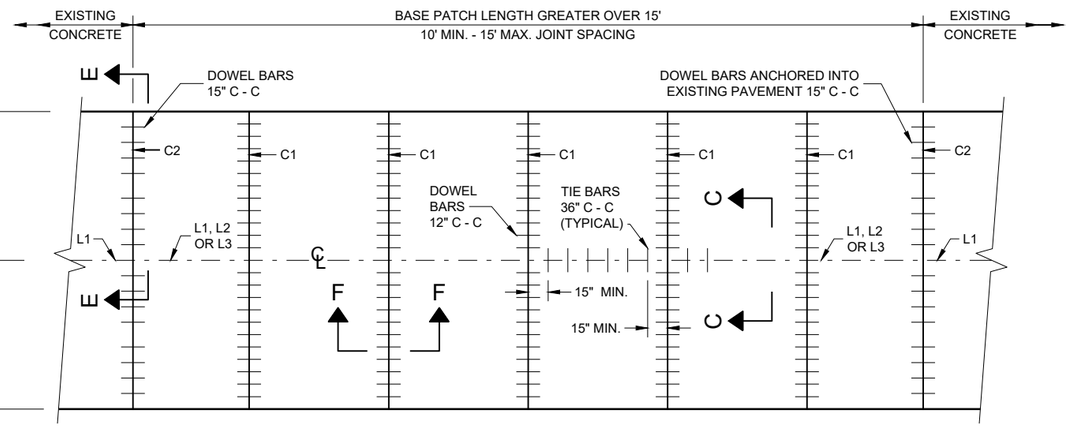
SECTION E - E

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

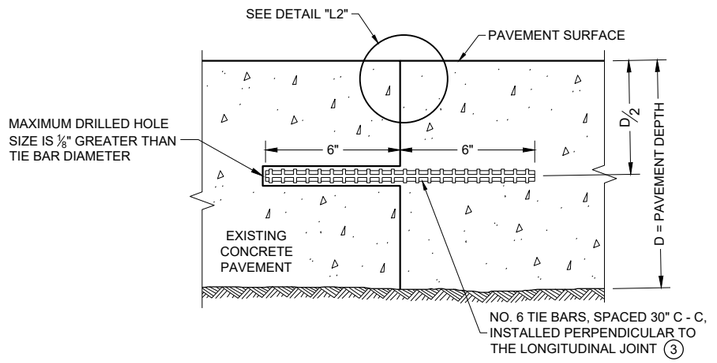
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 217

SDD 13C14 - 07b

SDD 13C14 - 07b

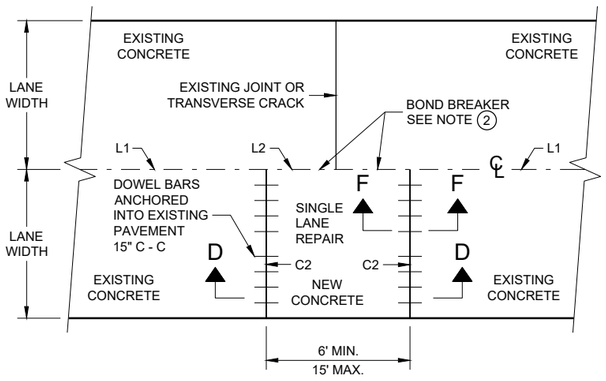
GENERAL NOTES

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.



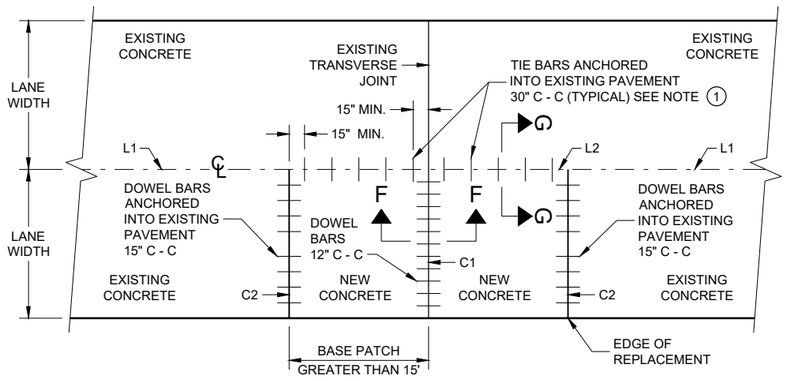
SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



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

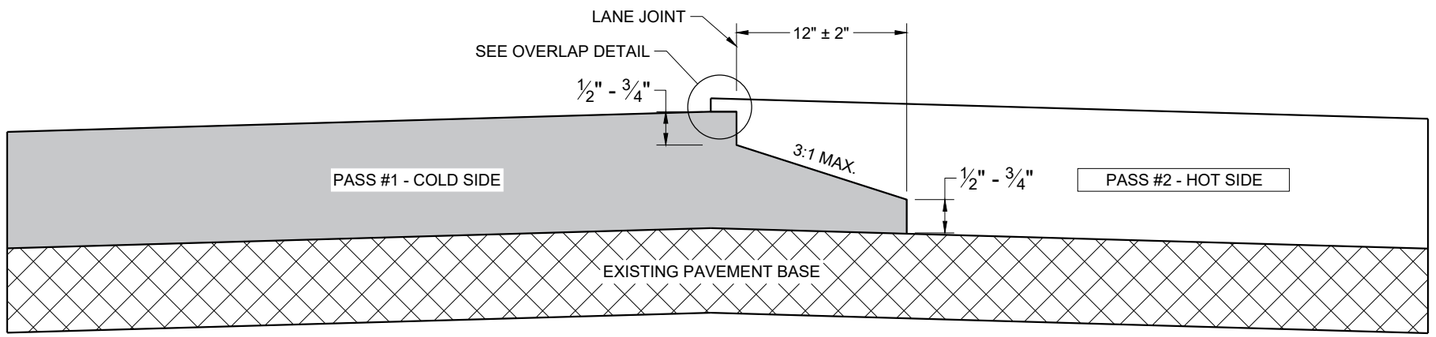
APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

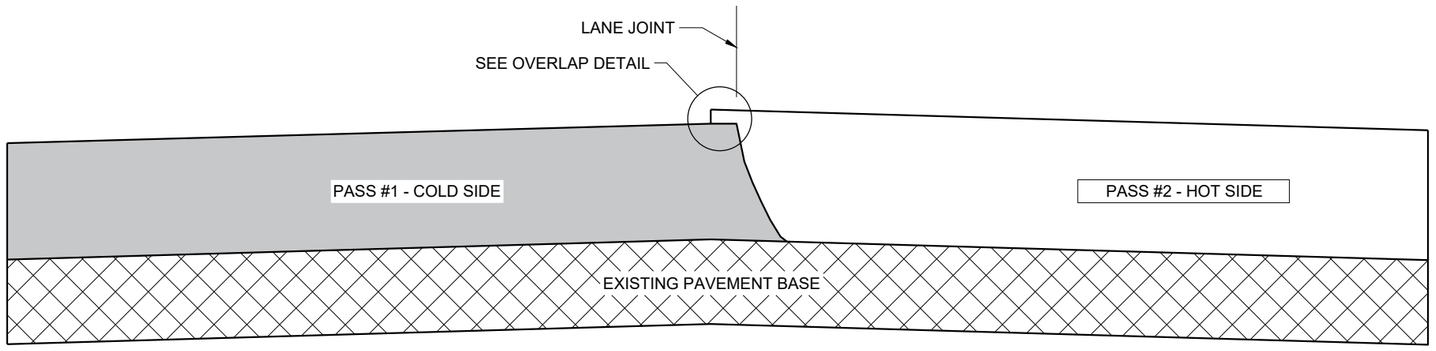
FHWA

6

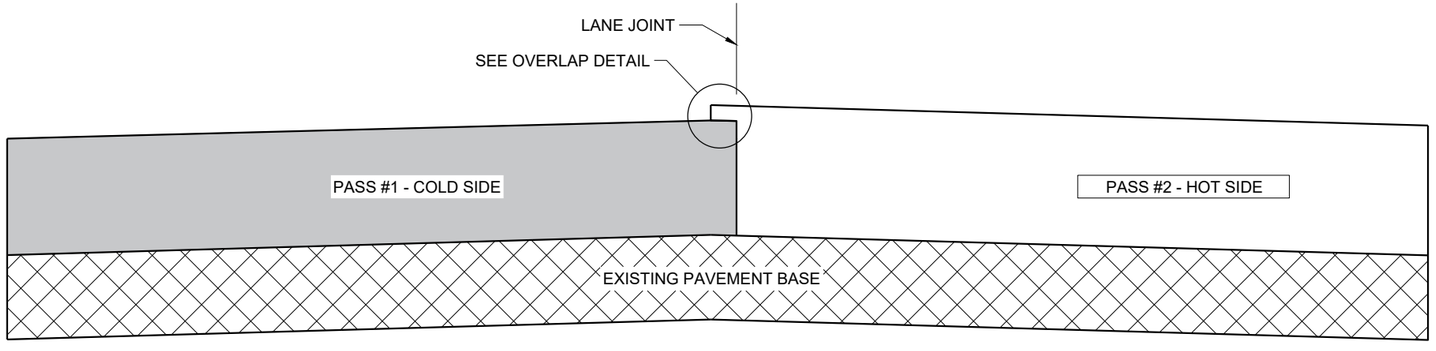
SDD 13C14 - 07c
SDD 13C14 - 07c



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

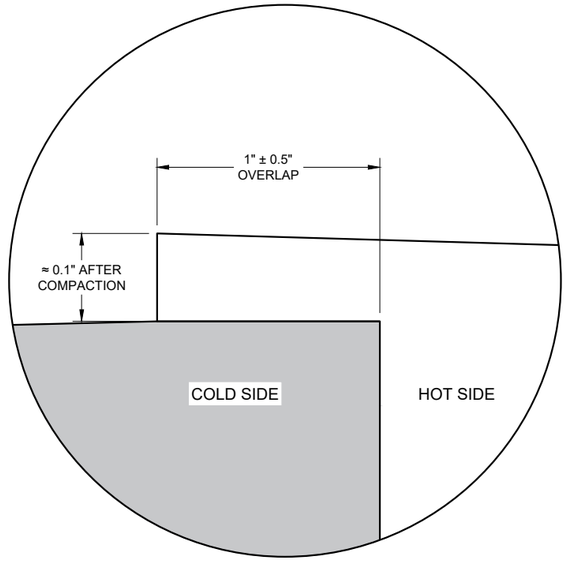
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

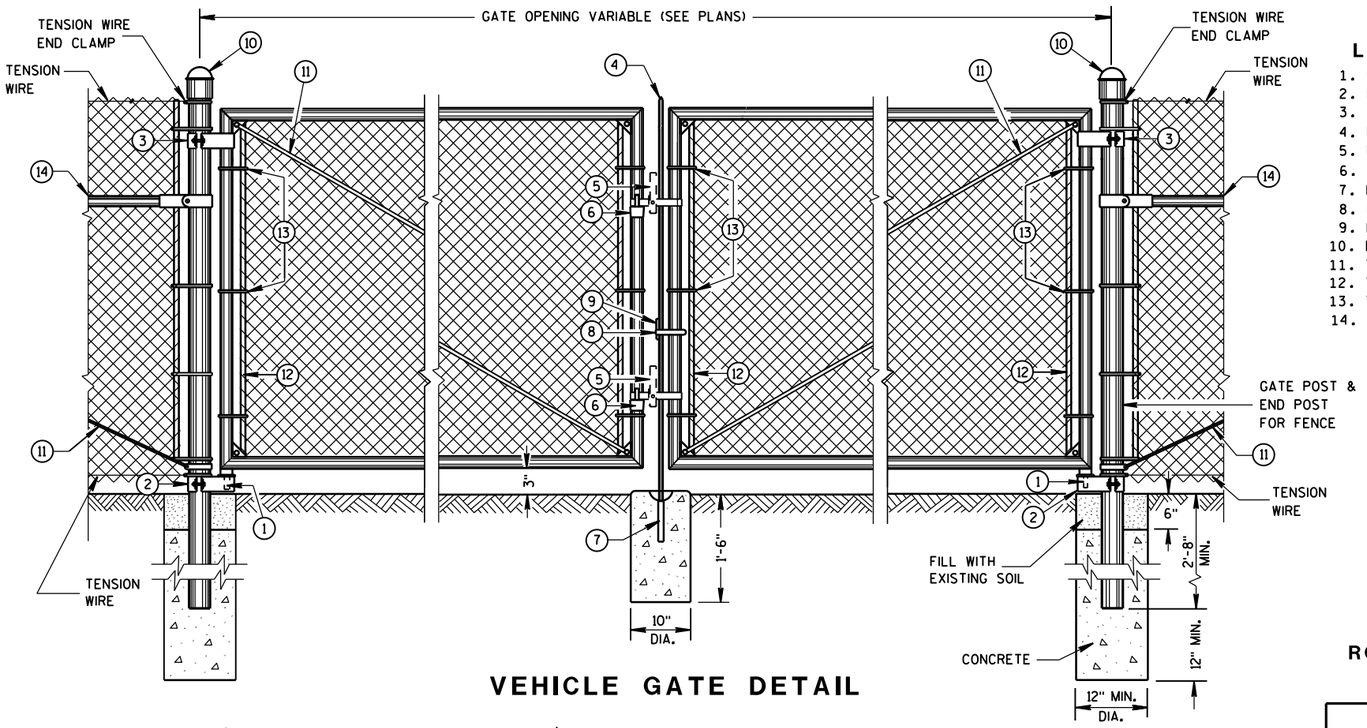
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

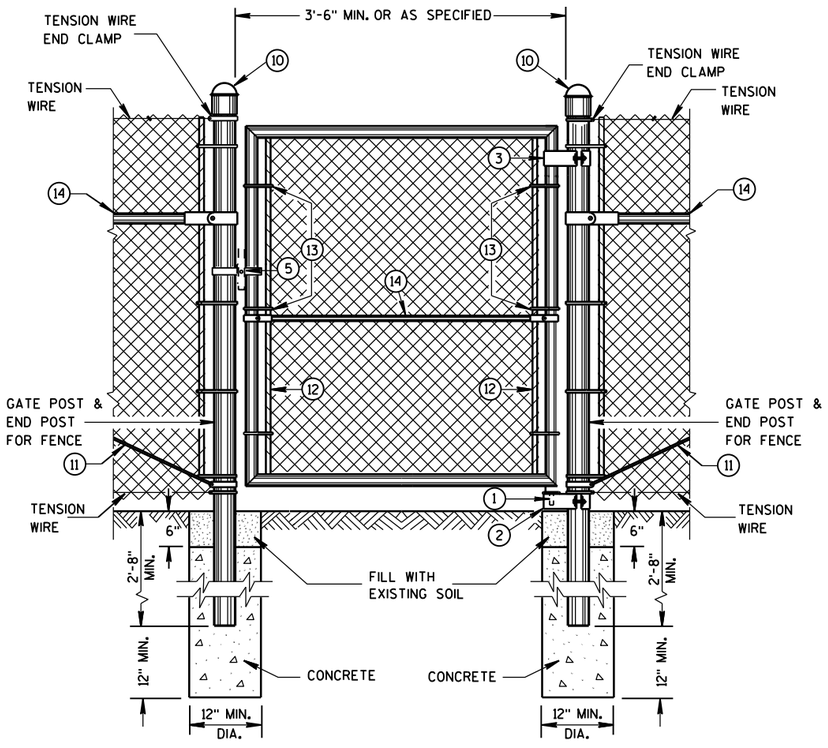
FHWA

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SDD 13C19 - 03



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

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

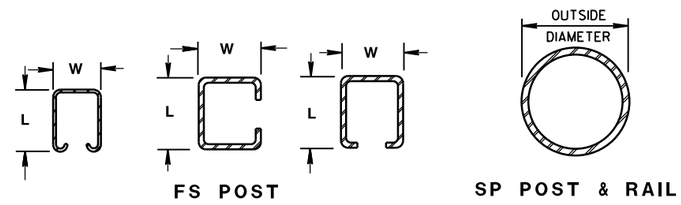
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

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

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

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

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST — SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

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

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

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

REQUIRED FENCE POST SIZES

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

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

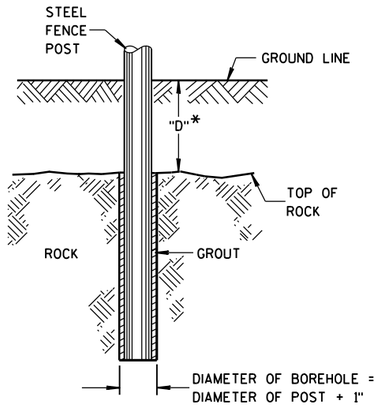
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

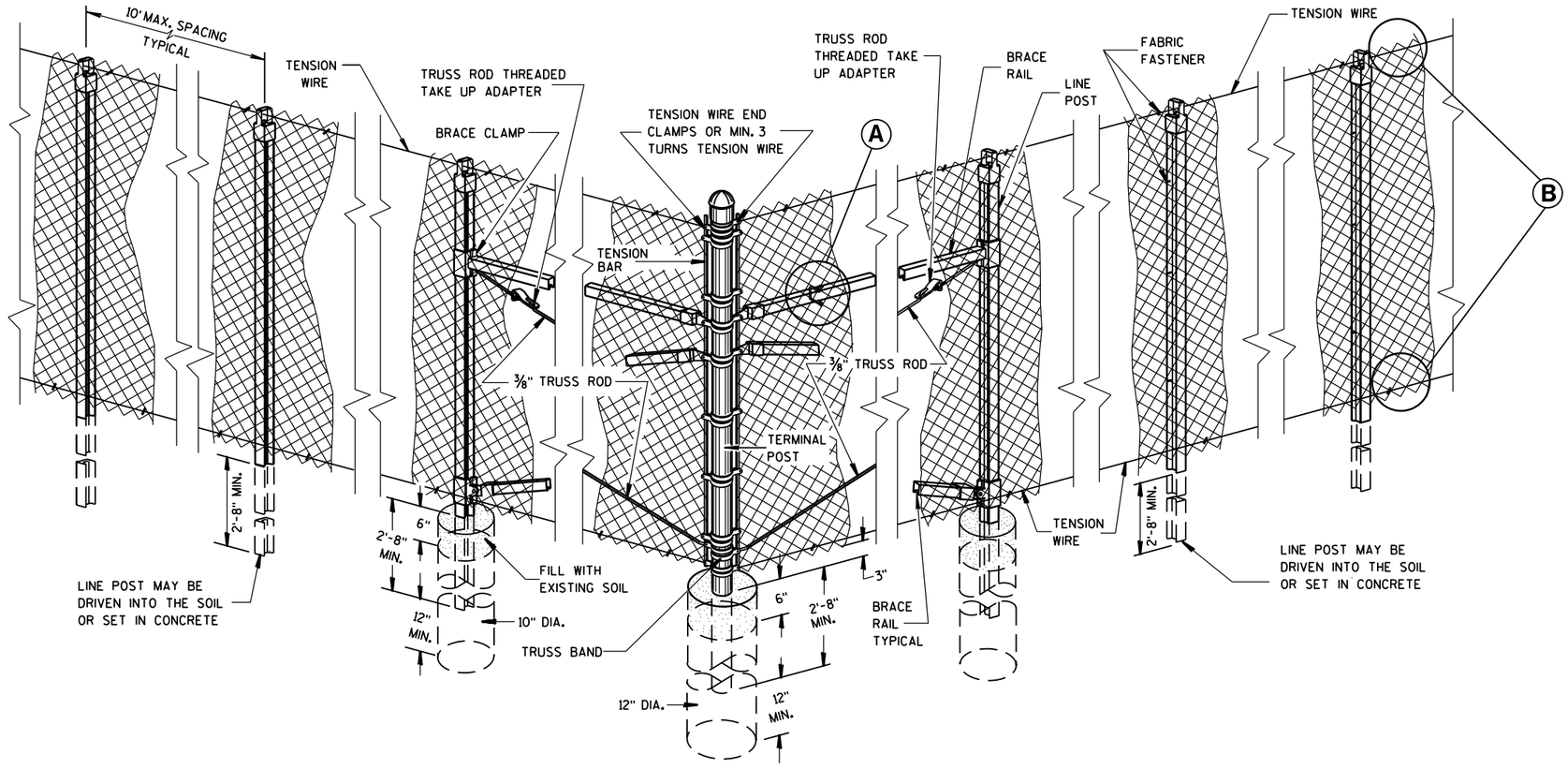
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S.D.D. 15 B 3-15a

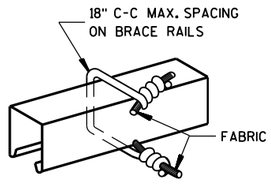


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



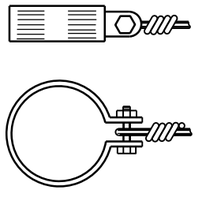
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



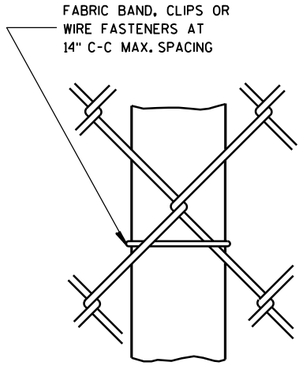
BRACE RAIL

FABRIC FASTENER

Ⓐ



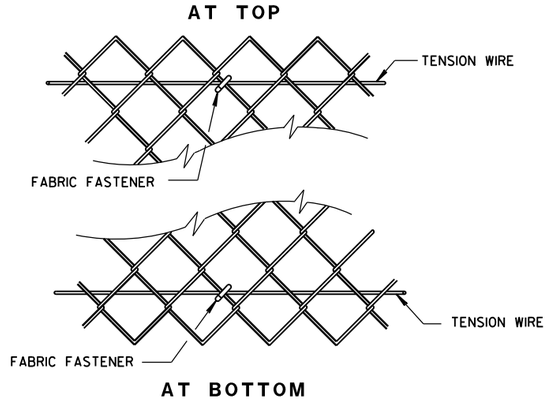
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

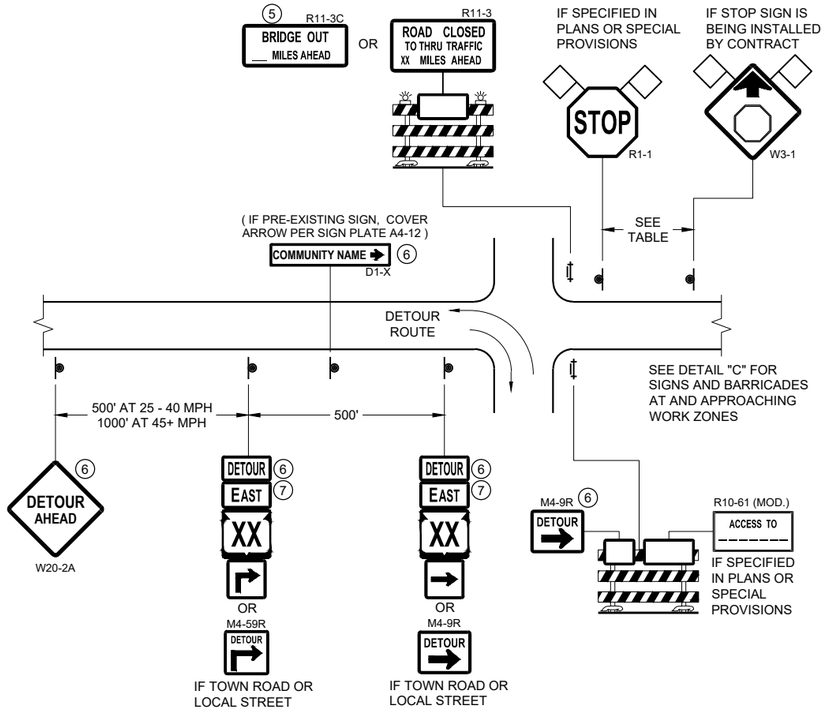
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
FHWA
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

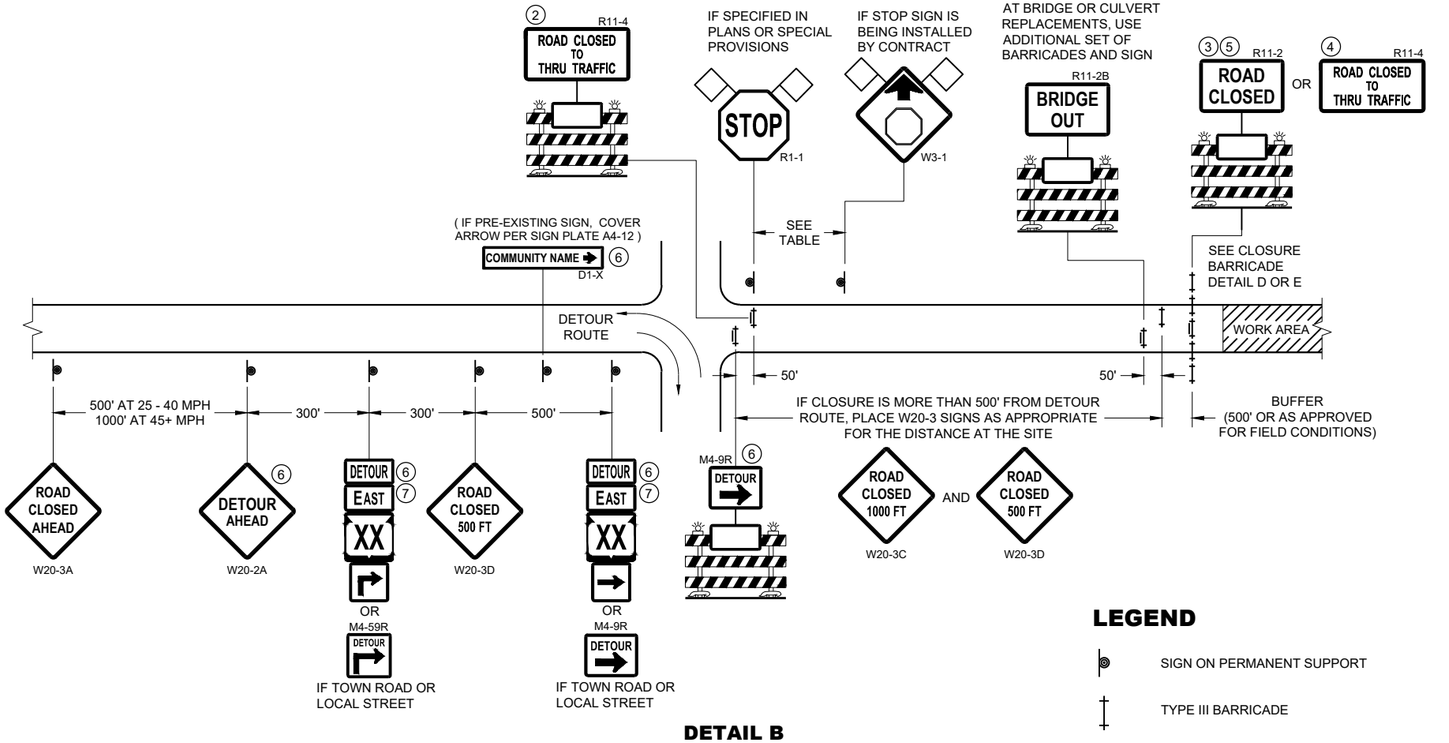
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S.D.D. 15 B 3-15b



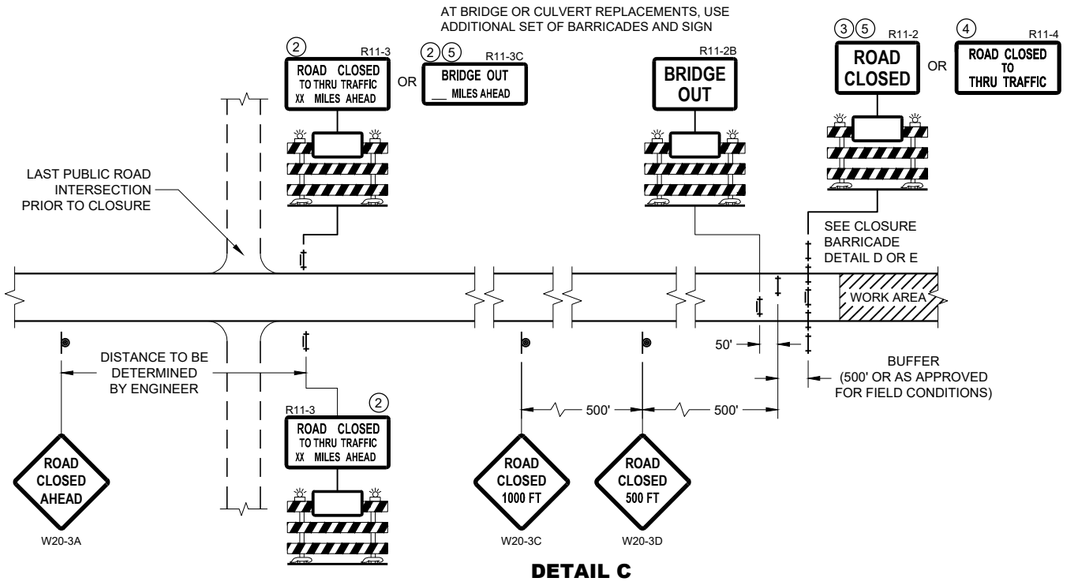
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

SDD 15C02 - 09a

SDD 15C02 - 09a

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4; 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.

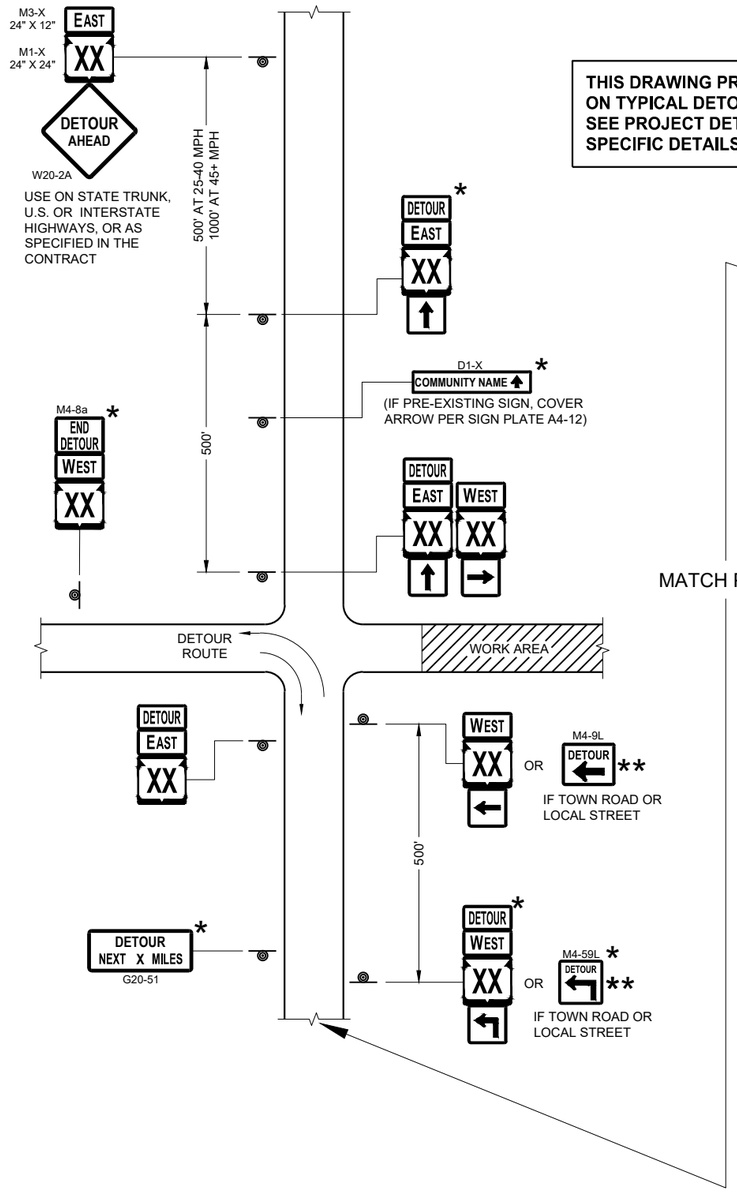
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

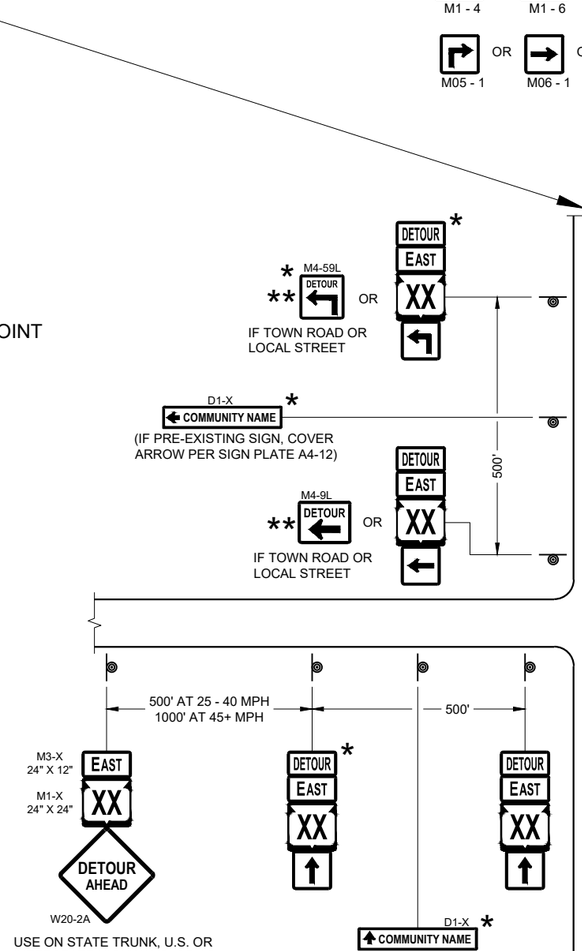
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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.

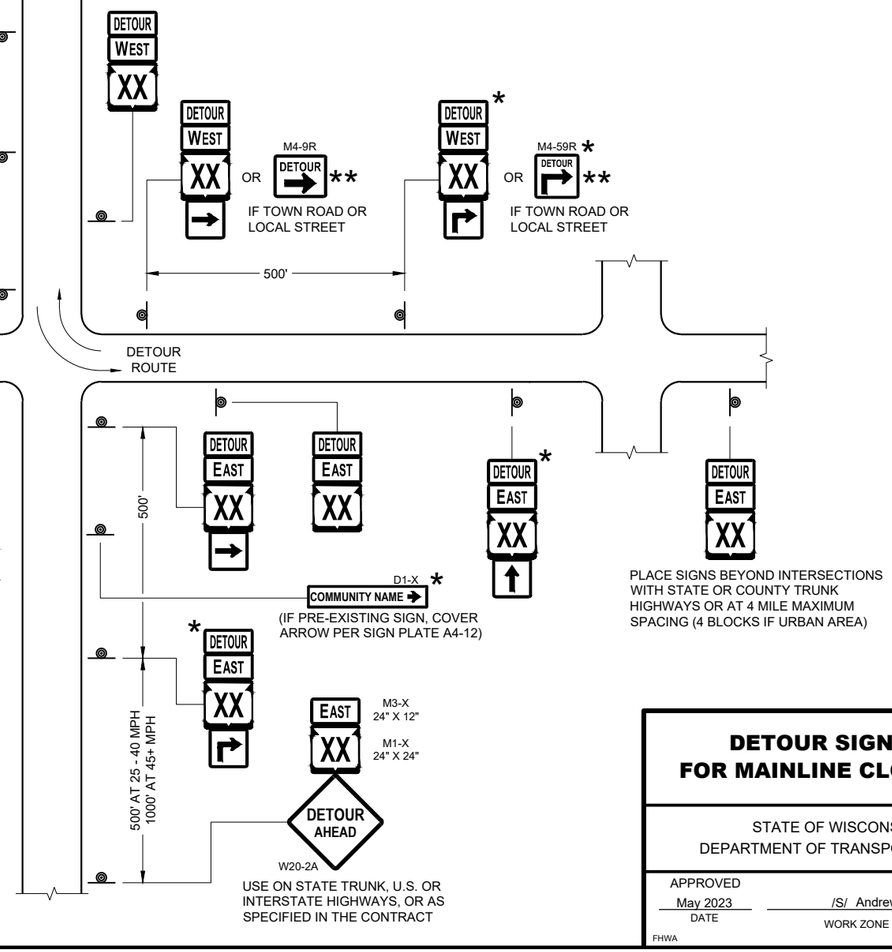
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** 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.



MATCH POINT





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

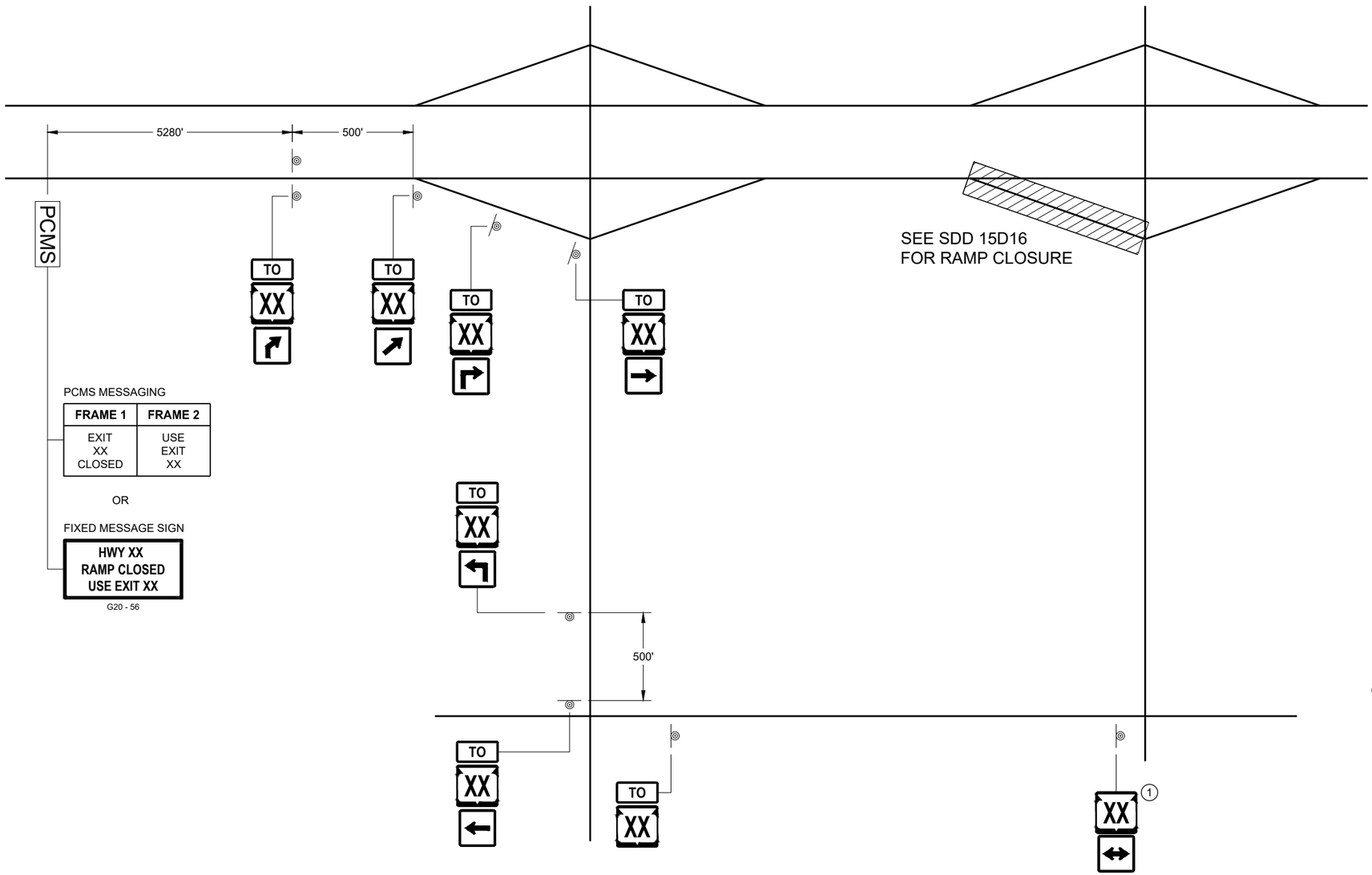
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 09c

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 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 SHALL 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 FOLLOW:
- MO4 - 5 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, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

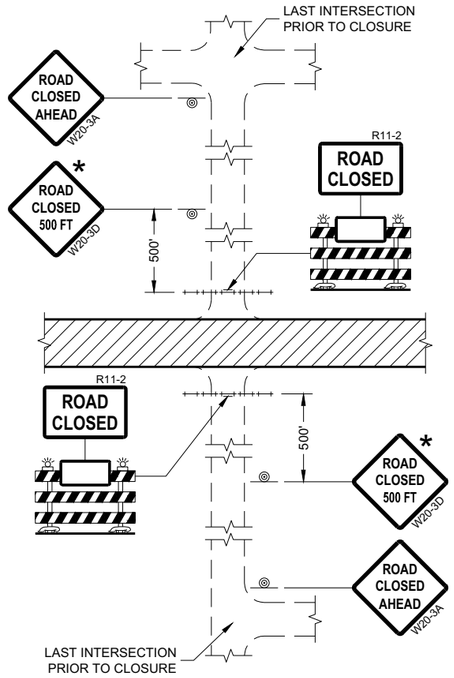
OFF RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

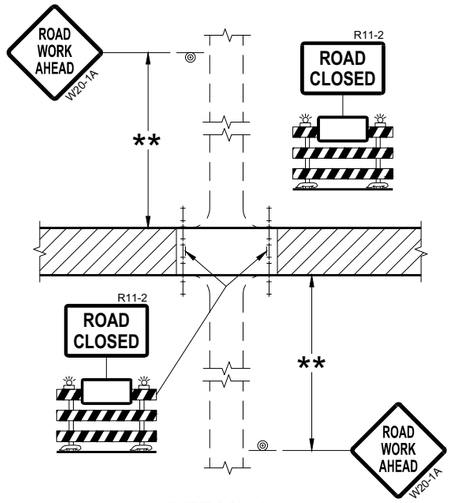
APPROVED
May 2023 DATE
/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 09e
SDD 15C02 - 09e



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

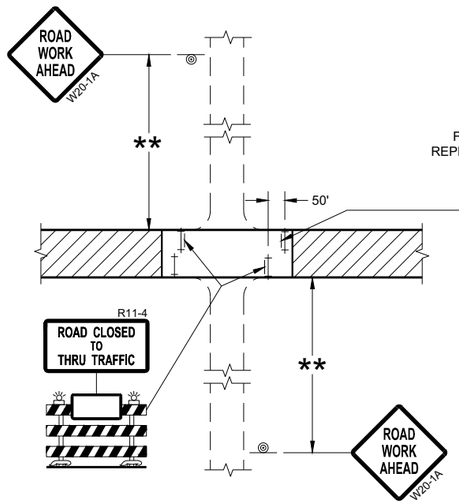
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

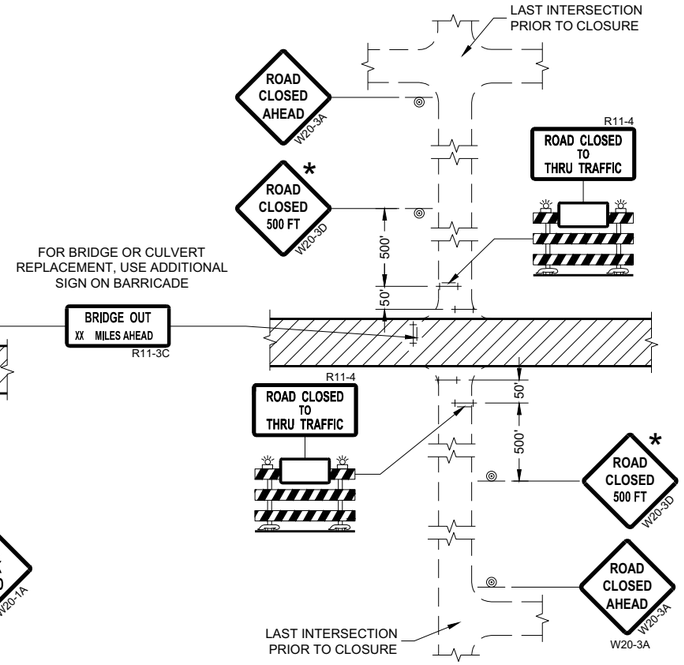
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.





DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

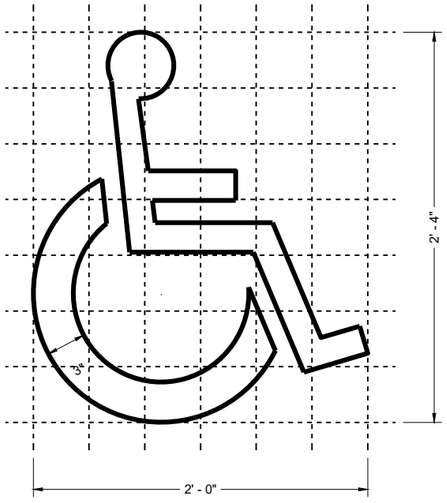
FHWA

6

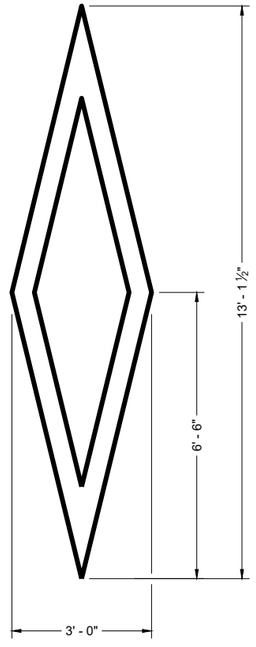
SDD 15C03 - 05

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.



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07-16a

SDD 15C07-16a

PAVEMENT MARKING SYMBOLS

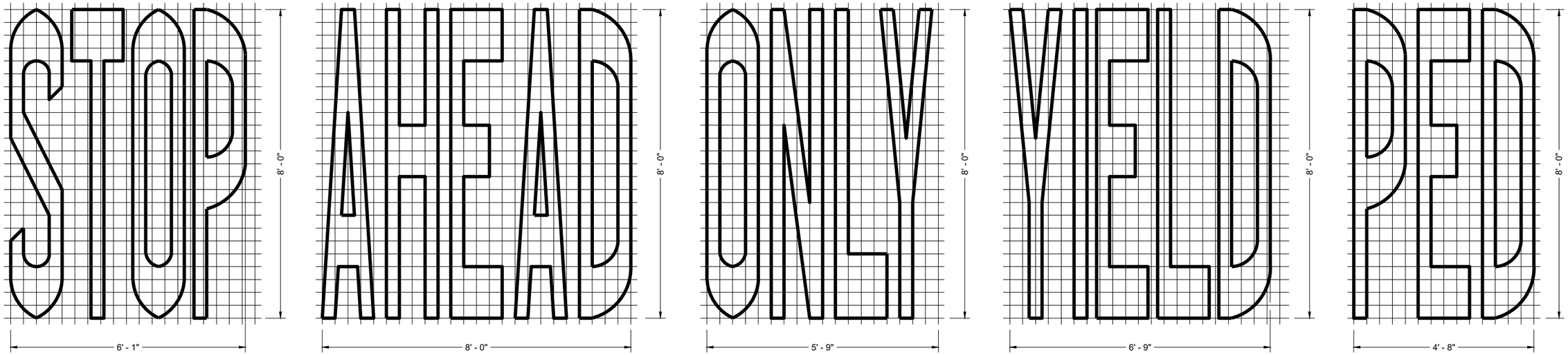
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

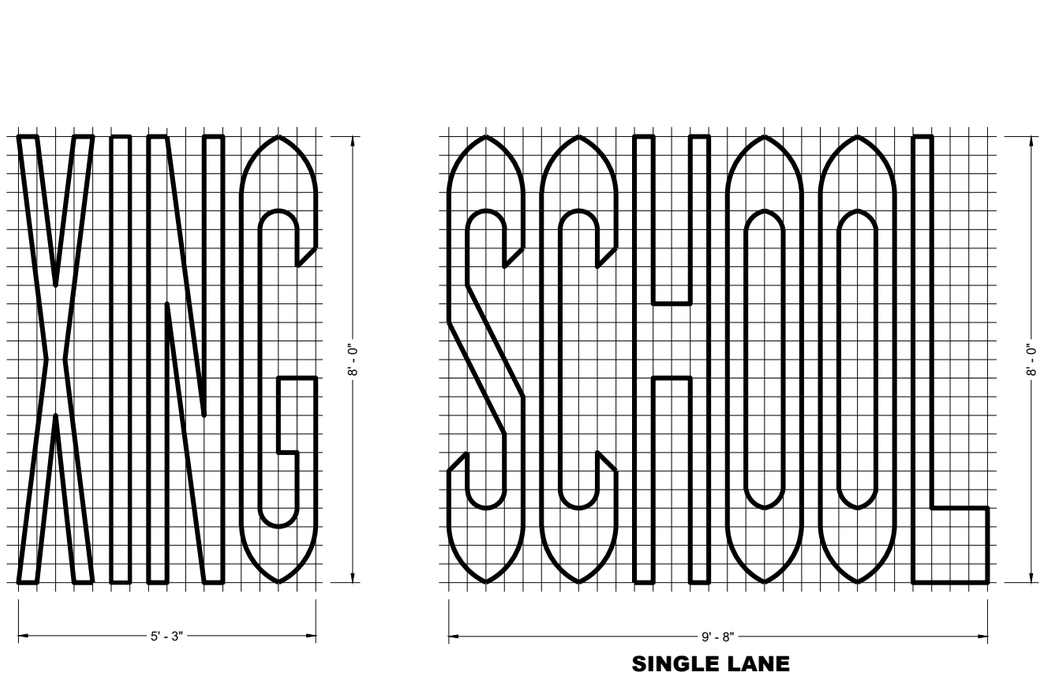
APPROVED

November 2024
DATE

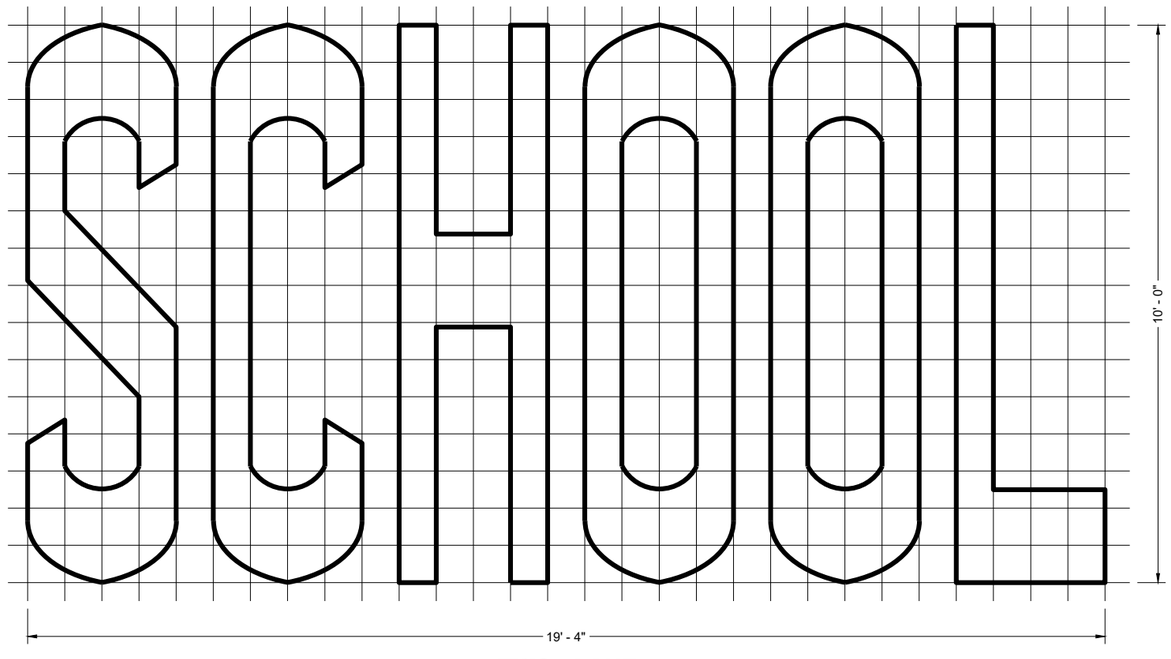
/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
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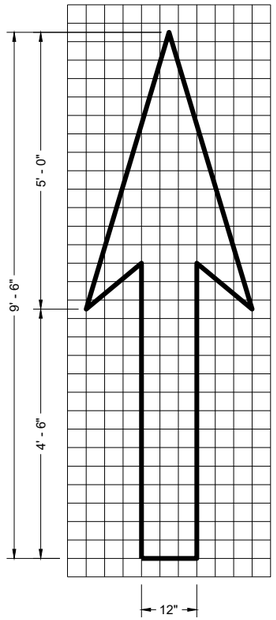
SDD 15C07-16b

6

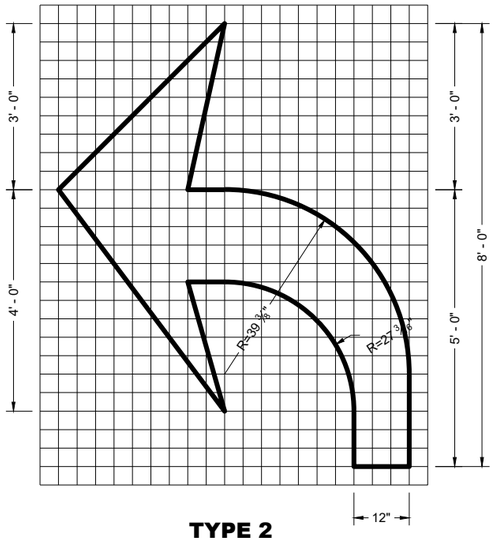
SDD 15C07-16b

GENERAL NOTES

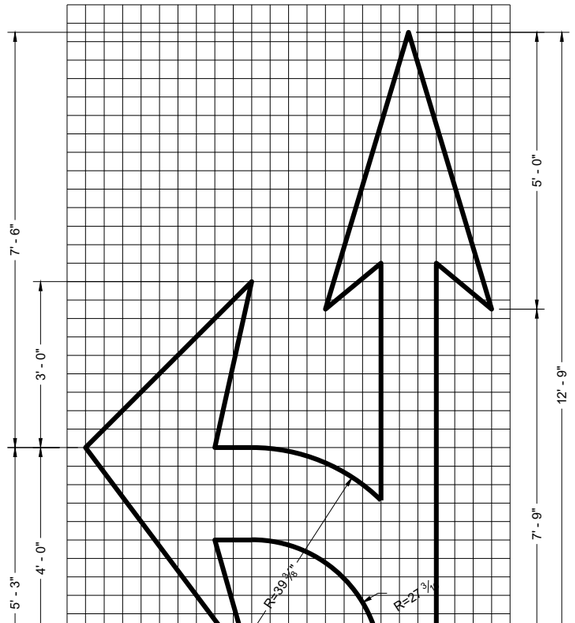
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



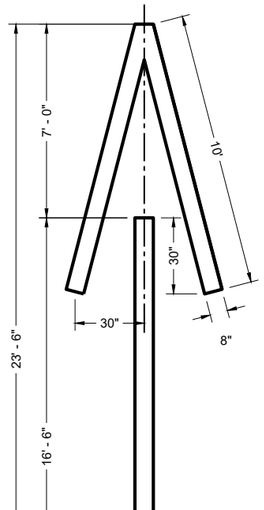
TYPE 1



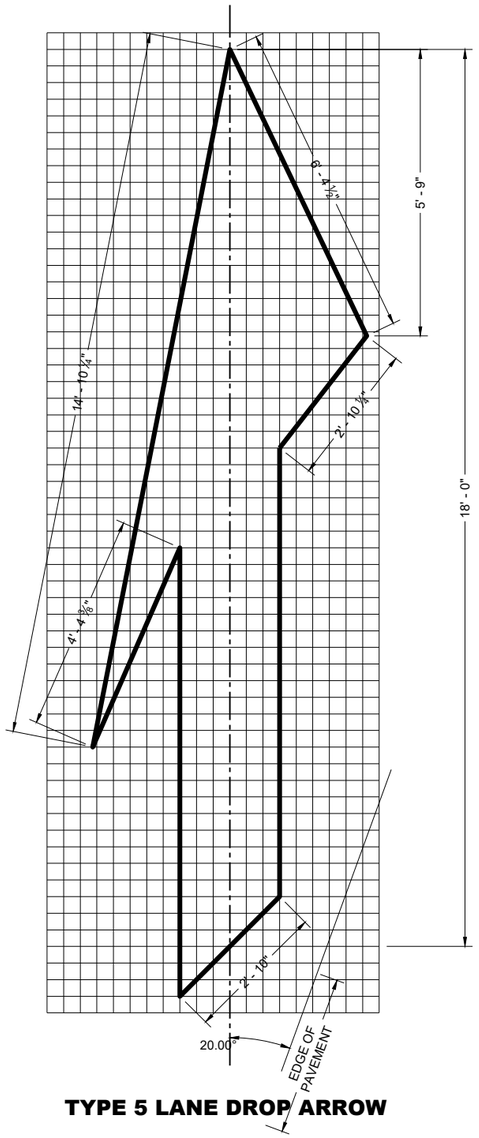
TYPE 2



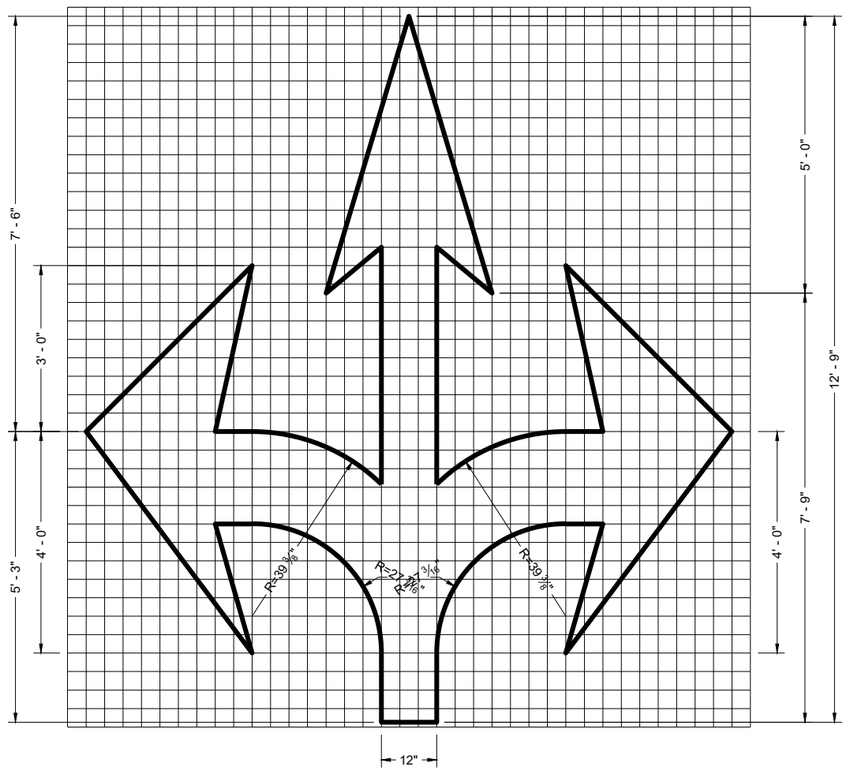
TYPE 3



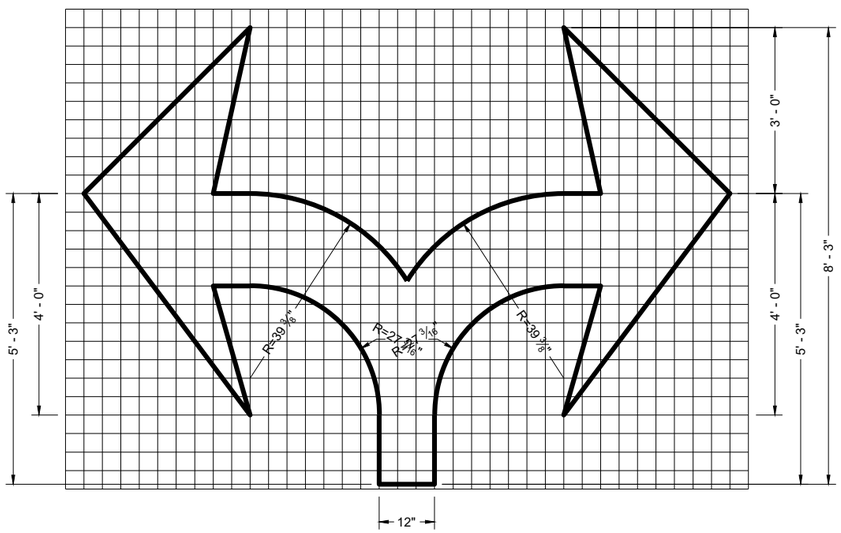
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

6

SDD 15C07-16c

PAVEMENT MARKING ARROWS

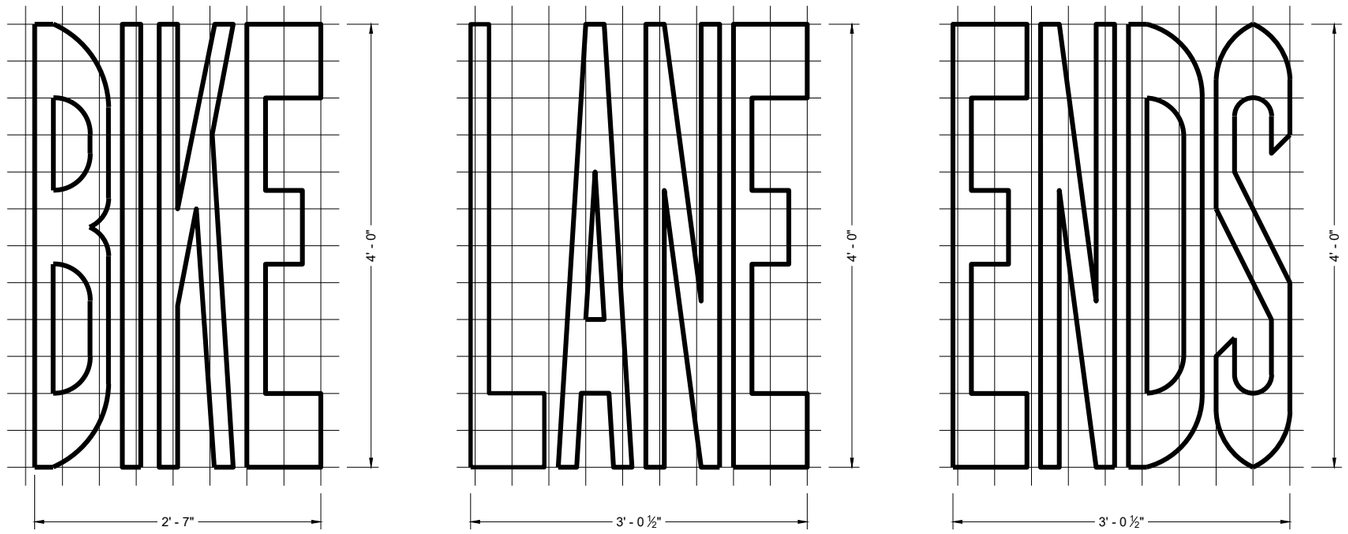
STATE OF WISCONSIN
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November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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6

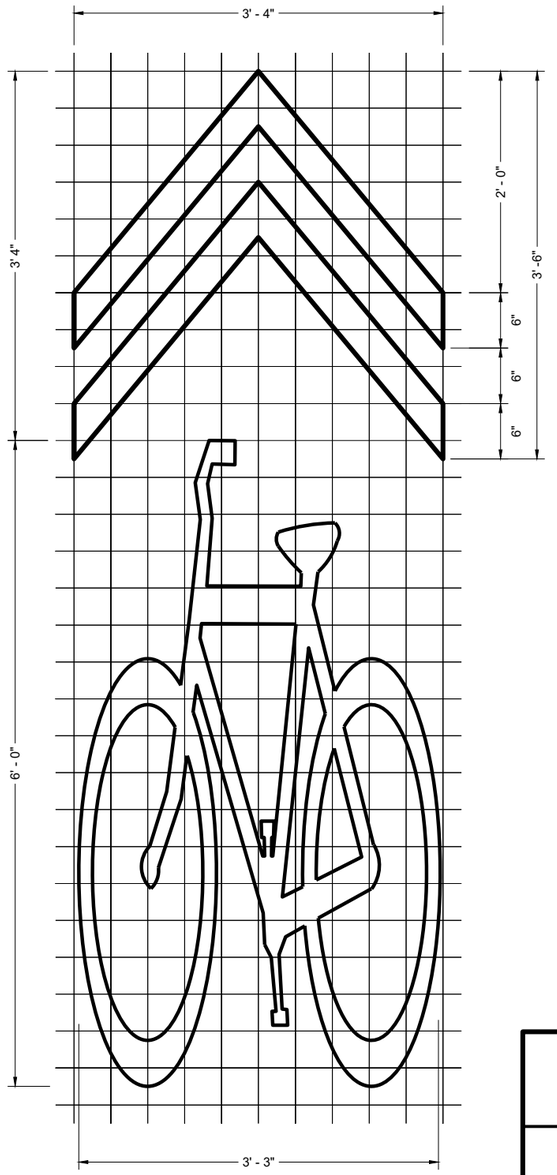
SDD 15C07-16c



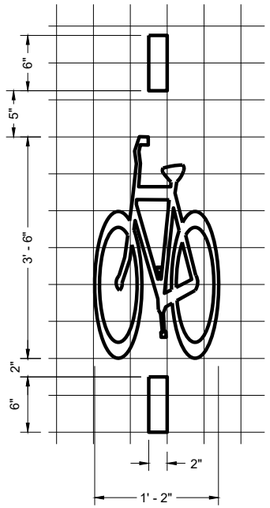
BIKE LANE WORDS

GENERAL NOTES

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



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

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November 2024
DATE

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STATE SIGNING AND MARKING ENGINEER

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SDD 15C07-16e

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

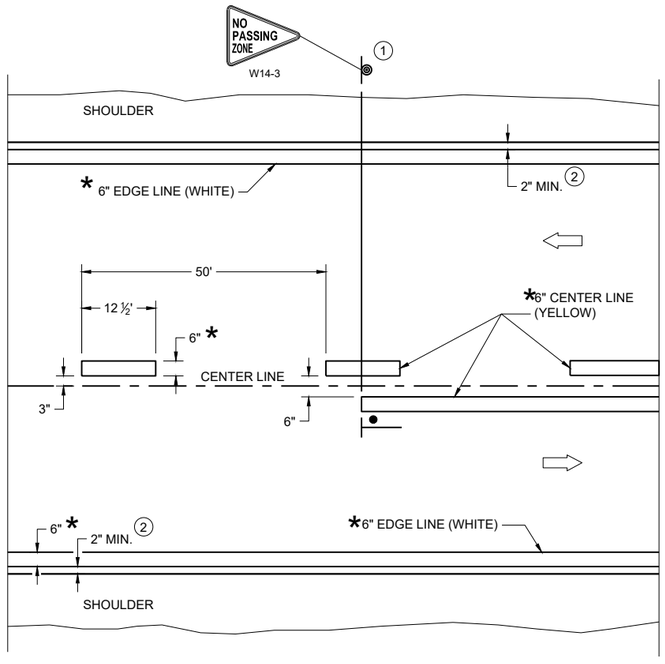
LEGEND

"T" MARKING

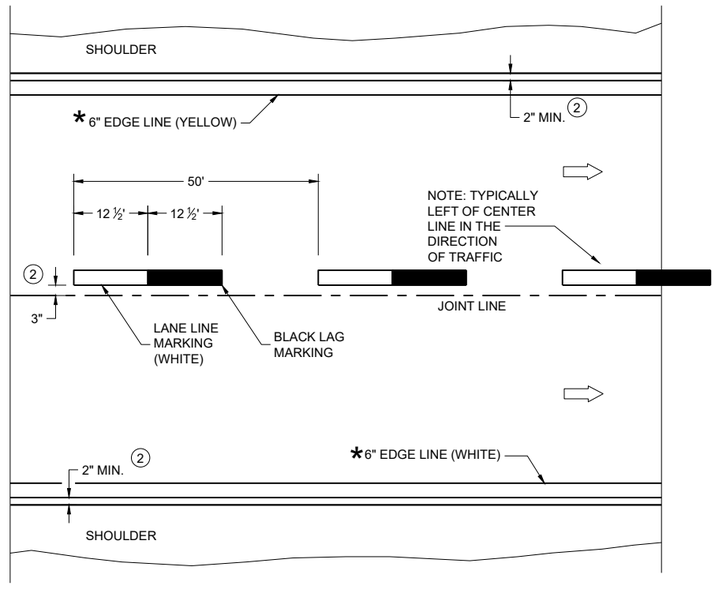
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-24a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

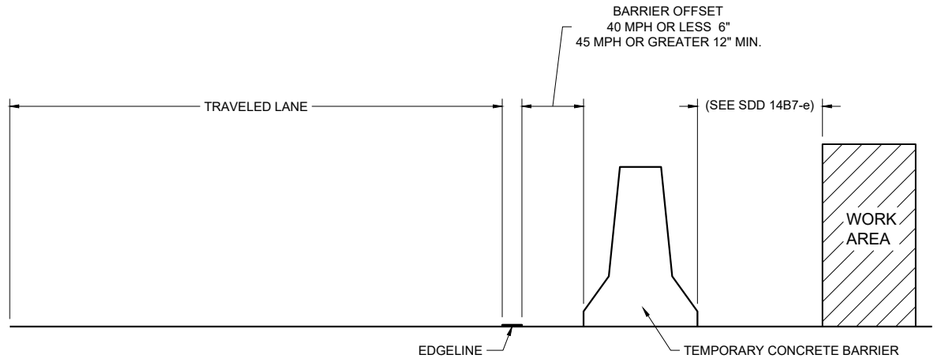
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

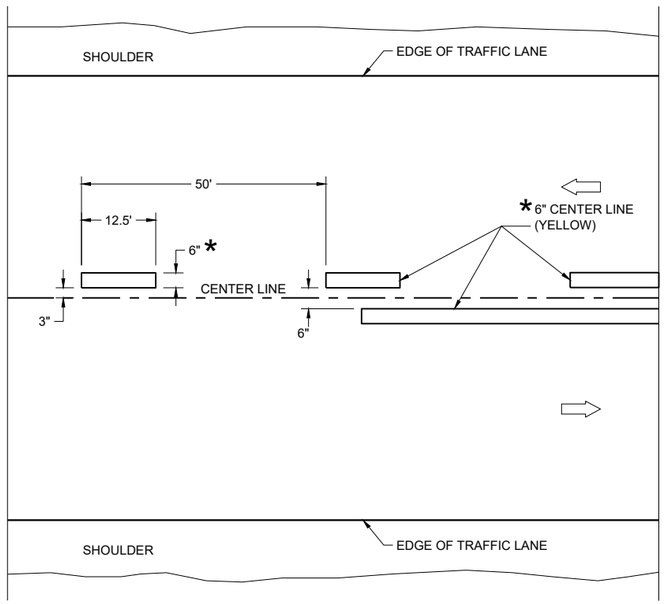
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

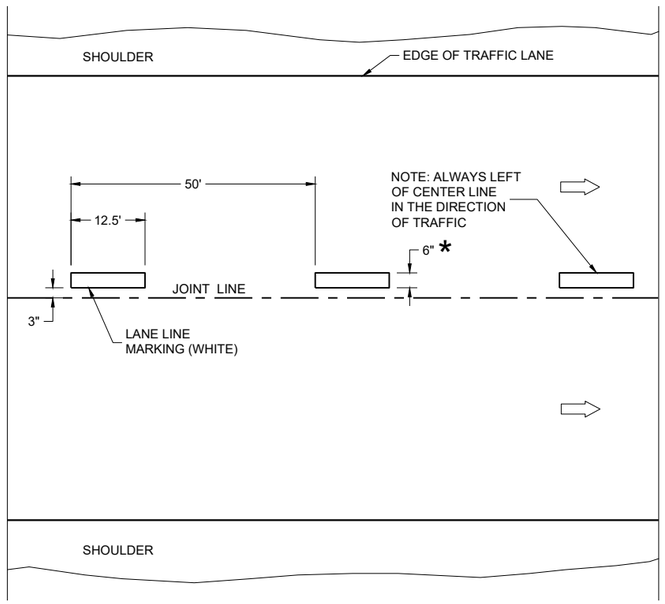
LEGEND

⇨ DIRECTION OF TRAFFIC

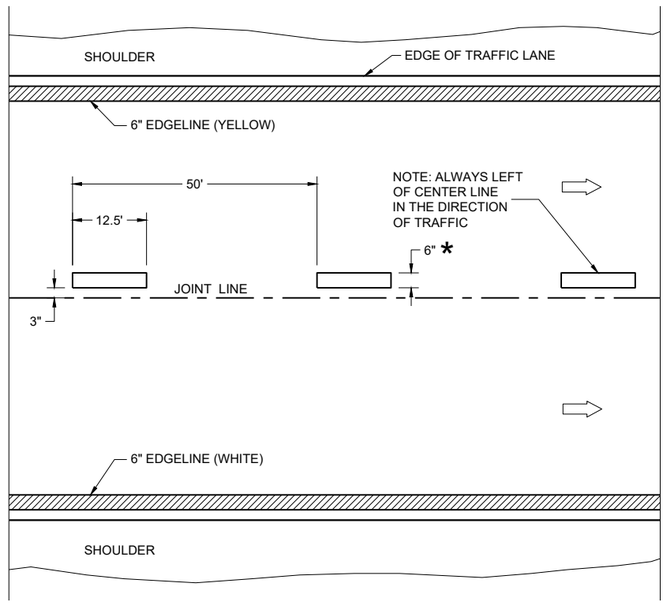
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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December 2024
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Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24b

6

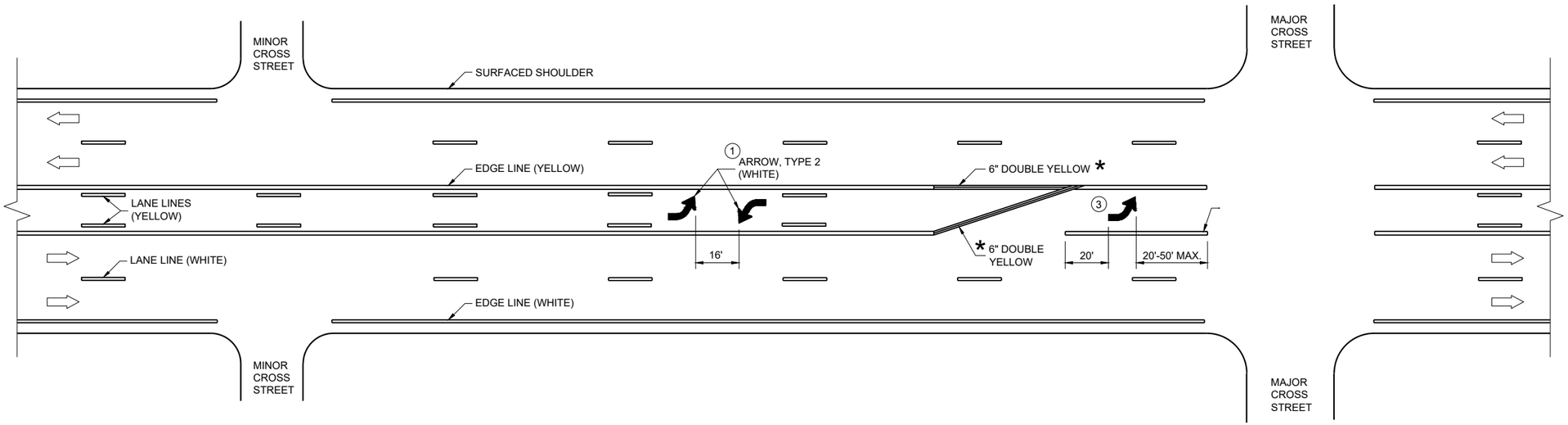
SDD 15C08-24b

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

6

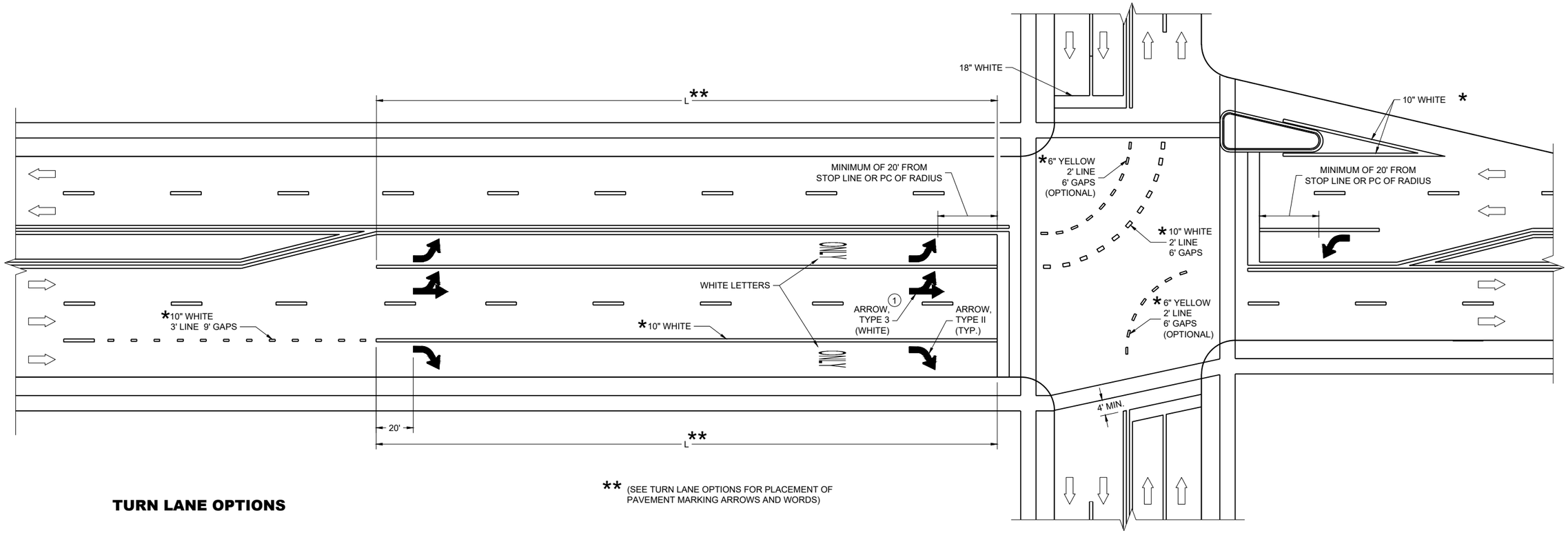
SDD 15C08-24c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

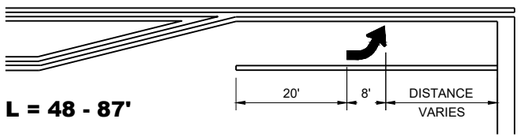
SDD 15C08-24c



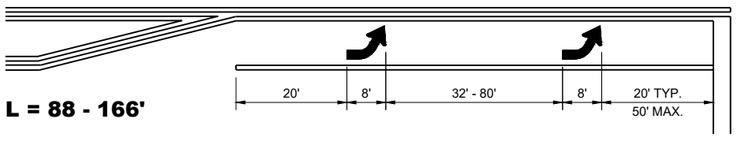
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

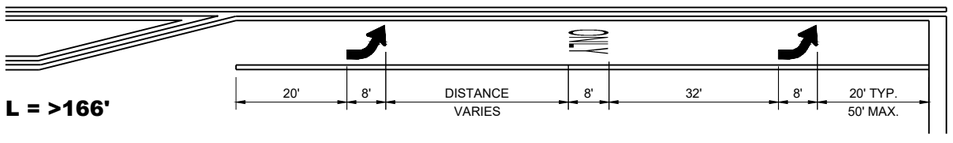
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

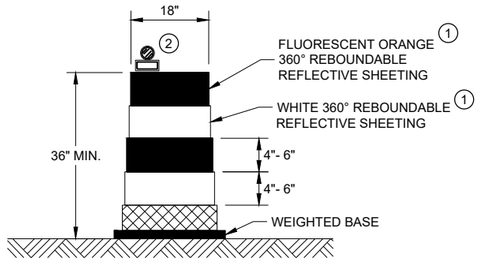
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

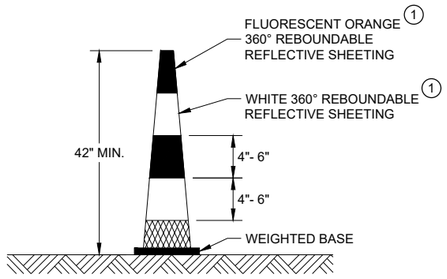
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

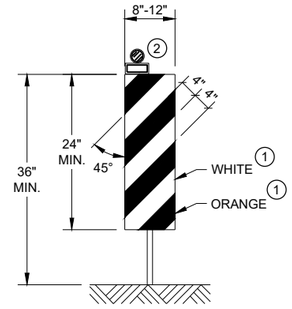
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

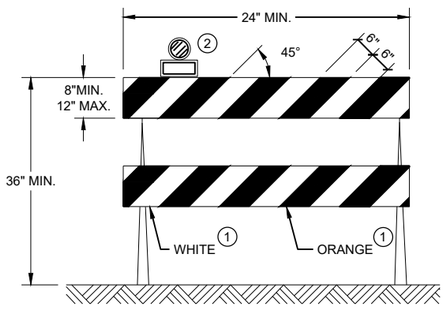
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



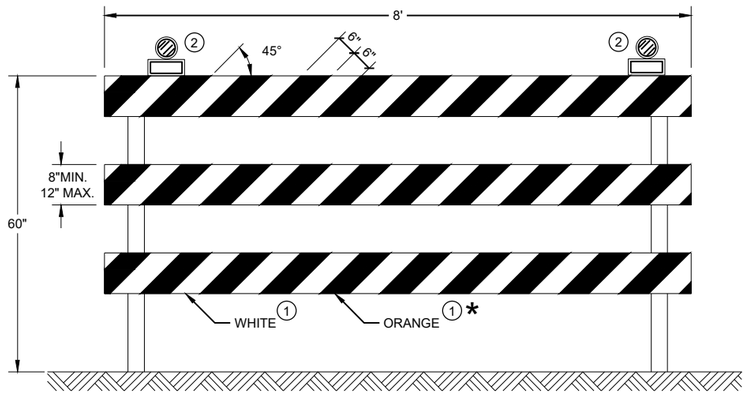
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

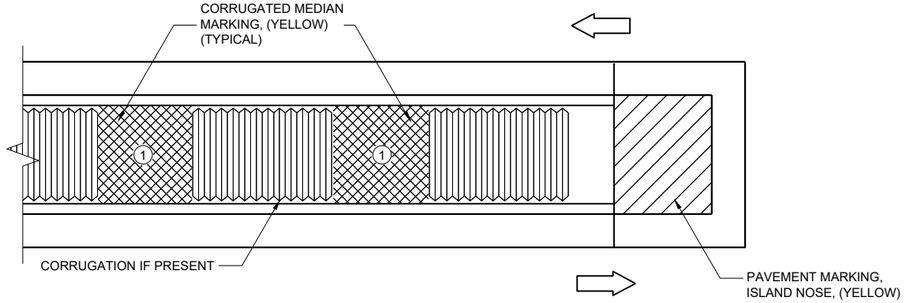
FHWA

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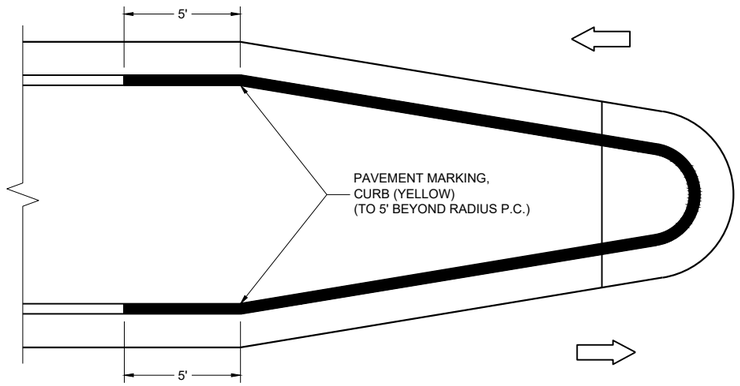
SDD 15C11 - 10b

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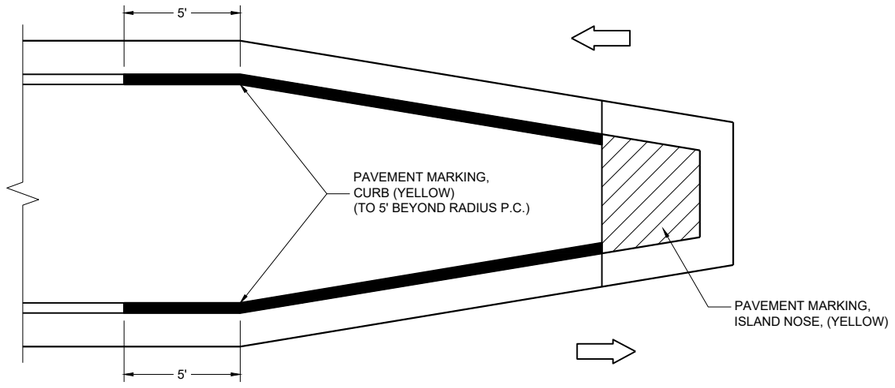
SDD 15C11 - 10b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

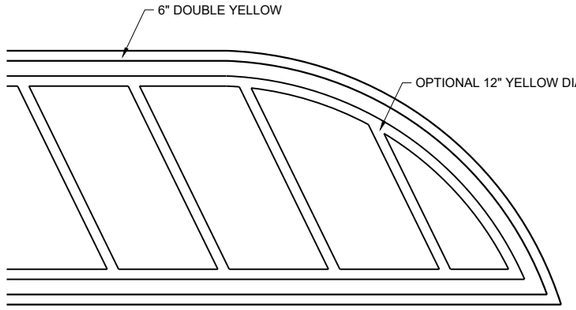
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

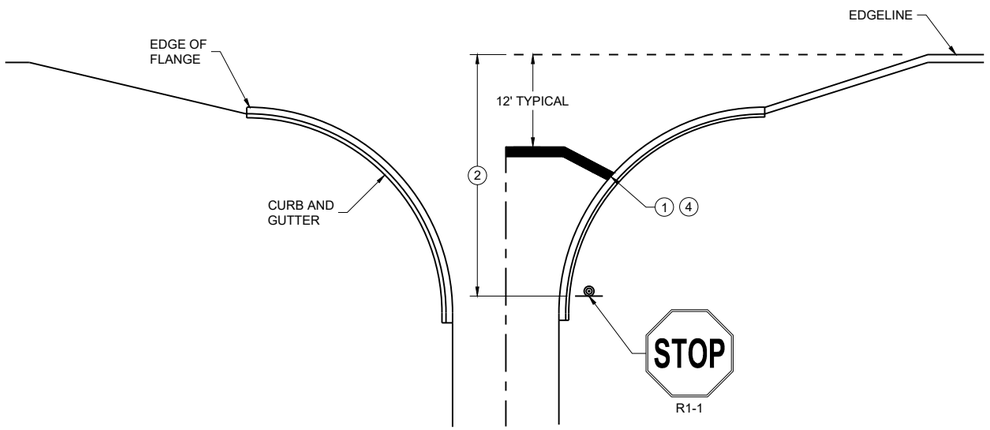
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SDD 15C18-09b

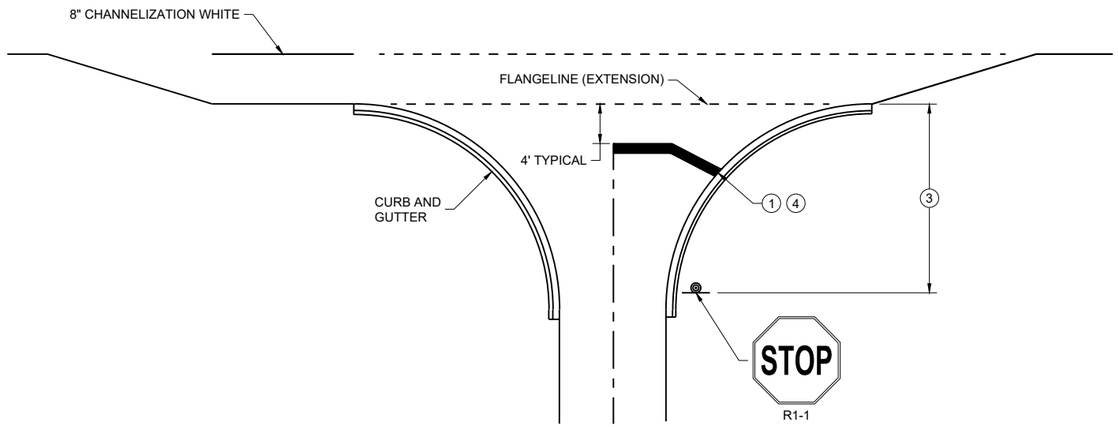
GENERAL NOTES

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

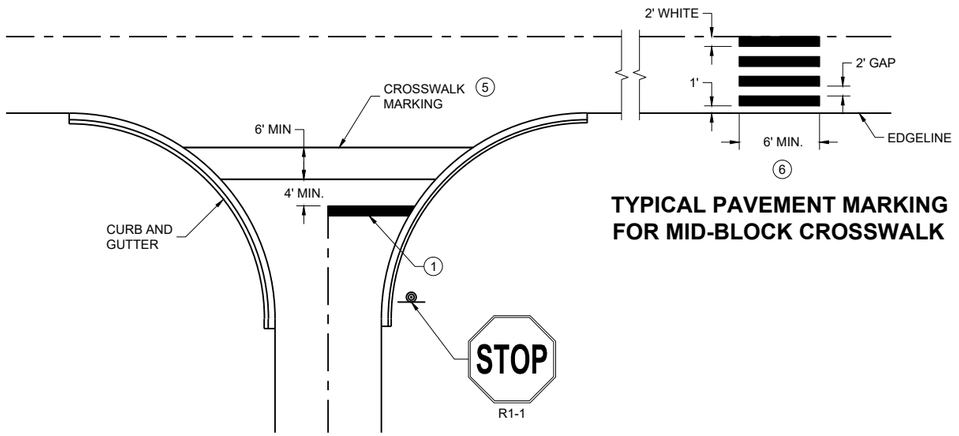
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

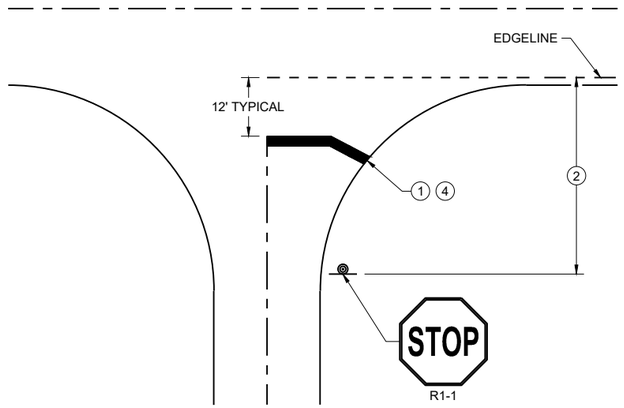


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



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

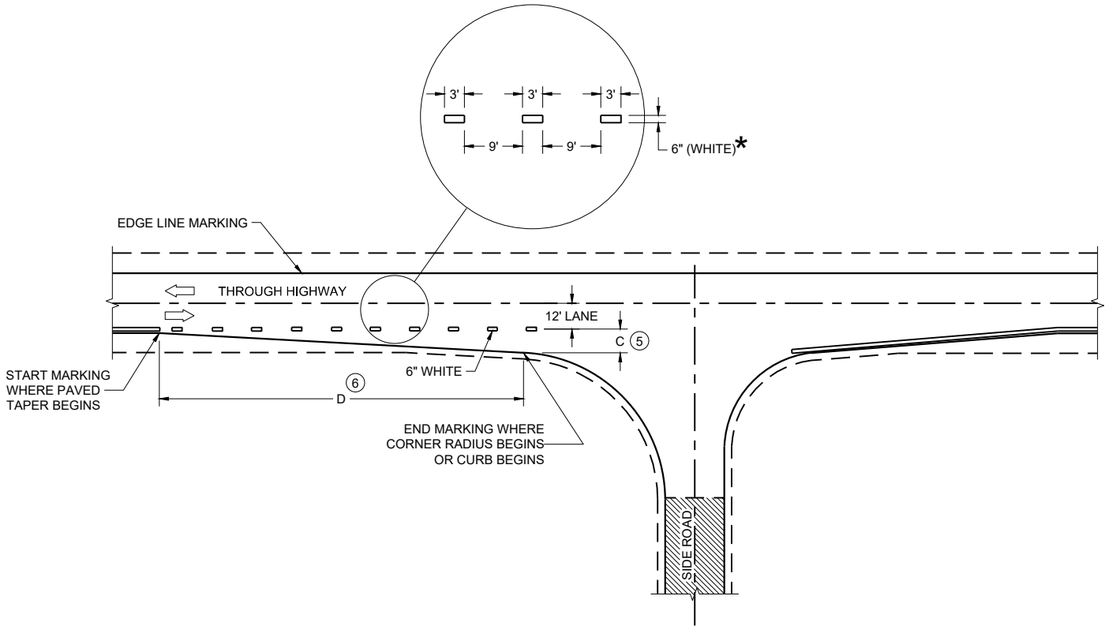
STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

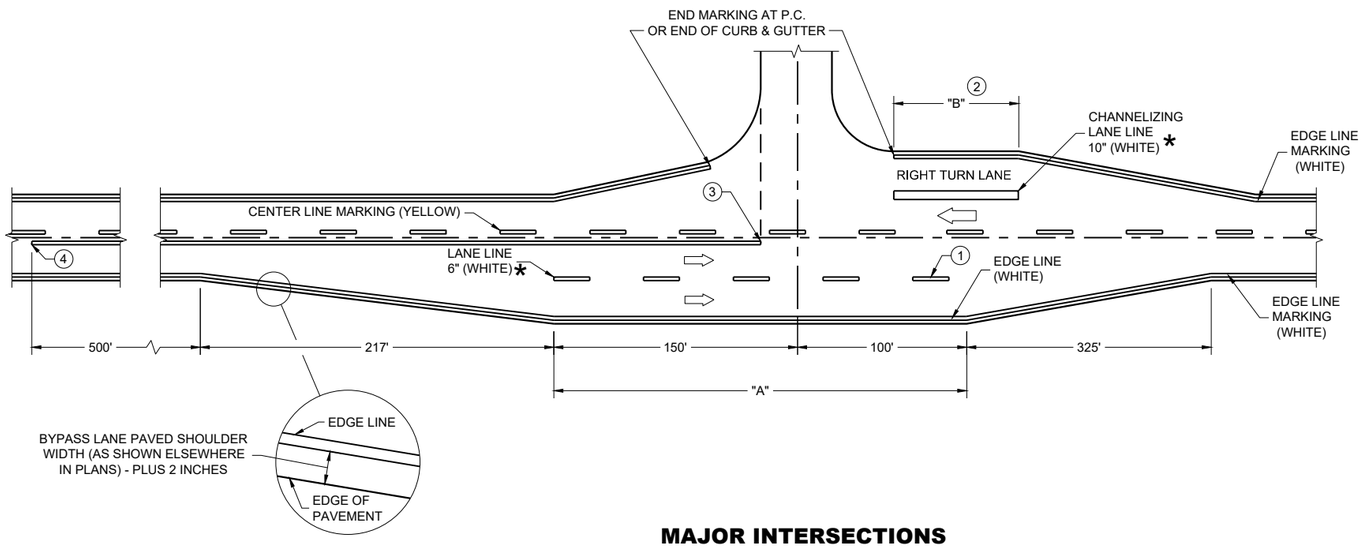
APPROVED
March 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6
SDD 15C33-05



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

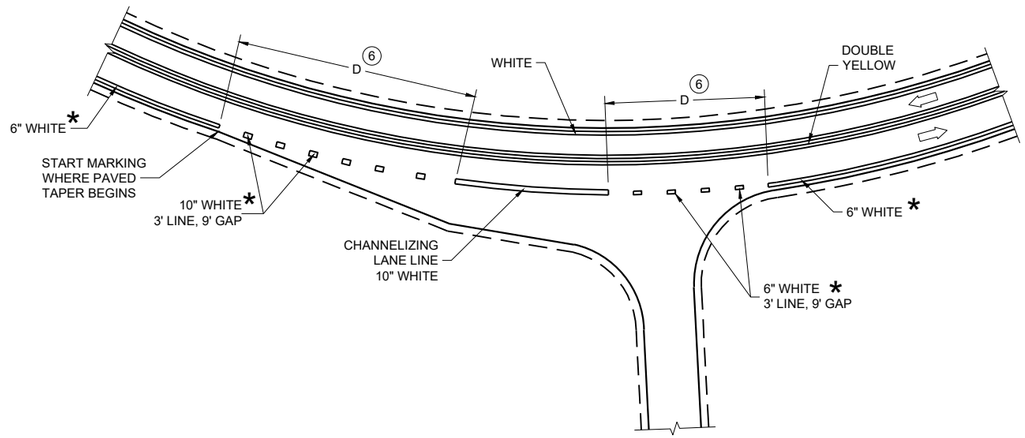
GENERAL NOTES

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

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.

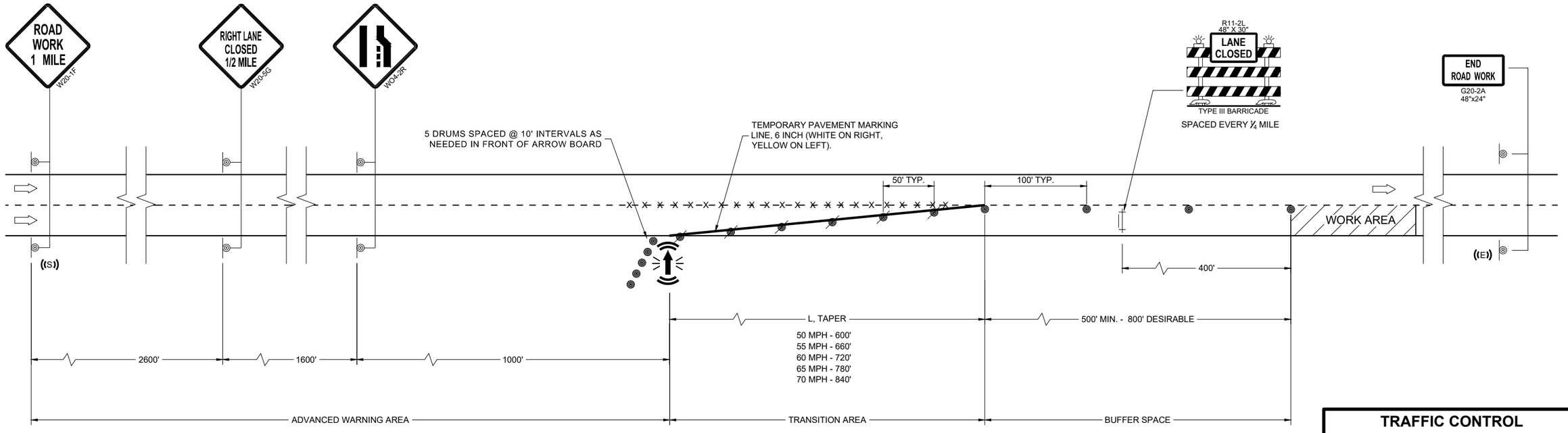
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-14a

6

SDD 15D12-14a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

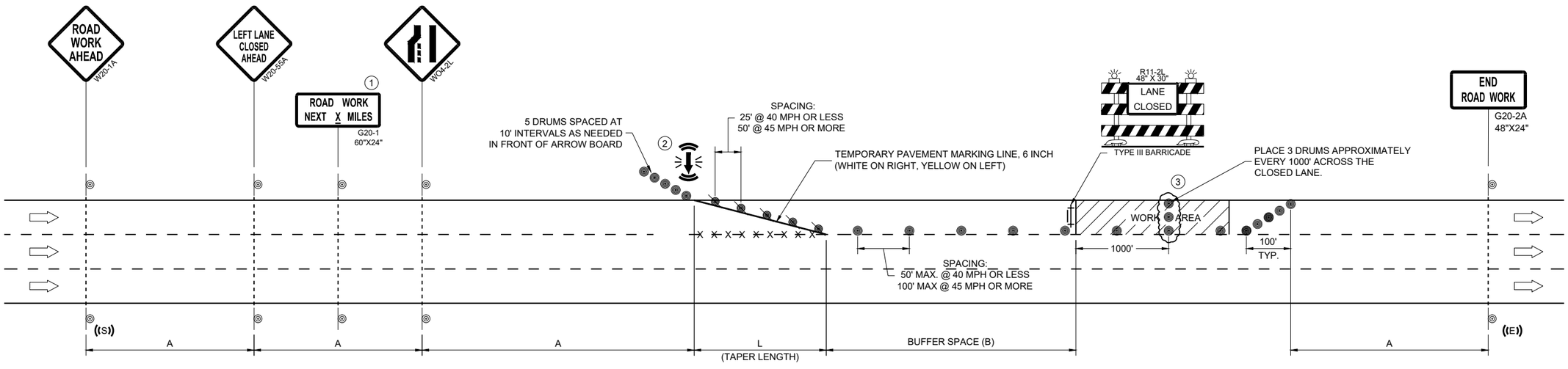
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

(3) DRUMS 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.



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'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D20-10a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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.

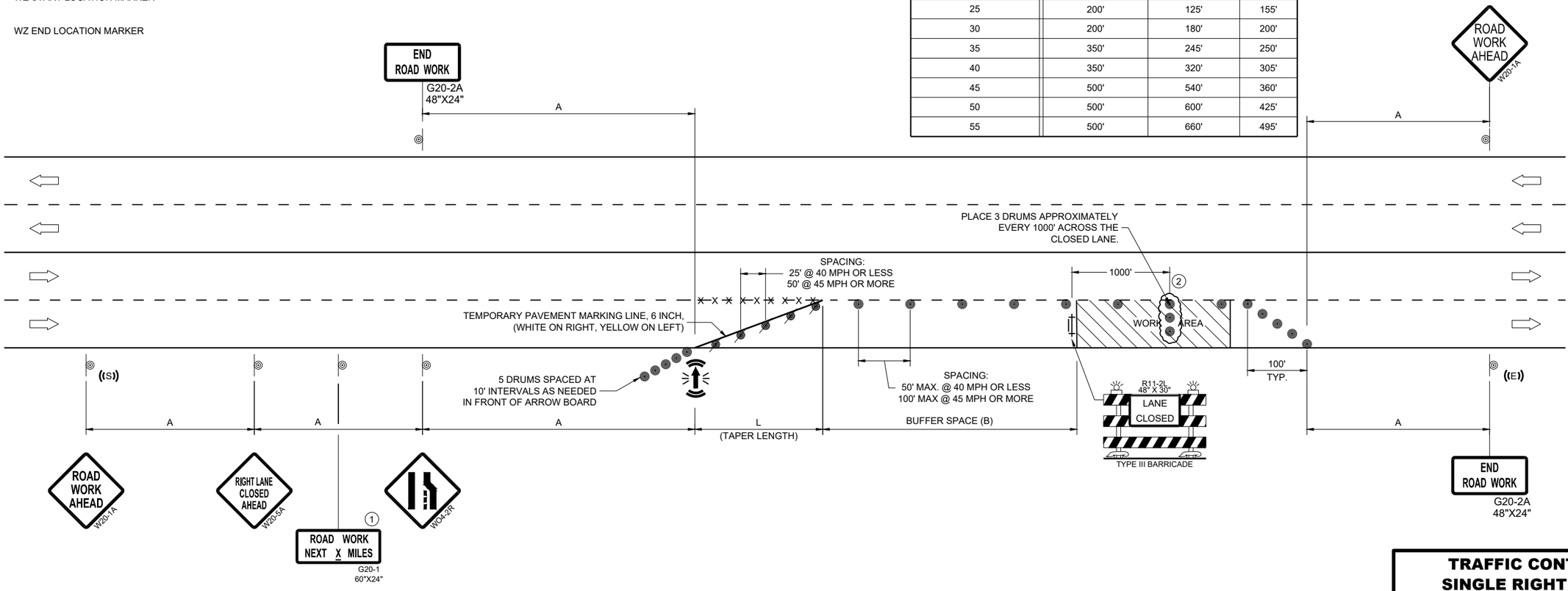
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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) DRUMS 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.

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'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-10b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

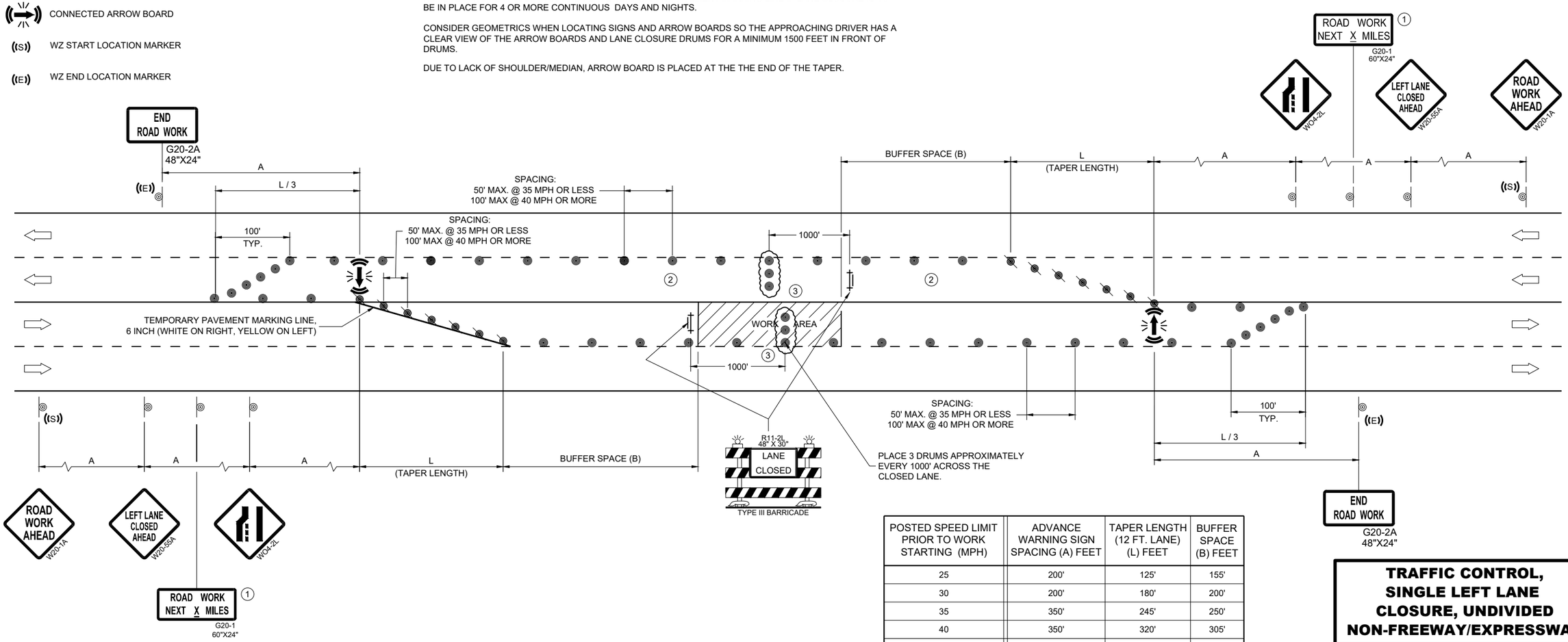
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.

DRUMS 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.



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'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'
50	500'	600'	425'
55	500'	660'	495'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

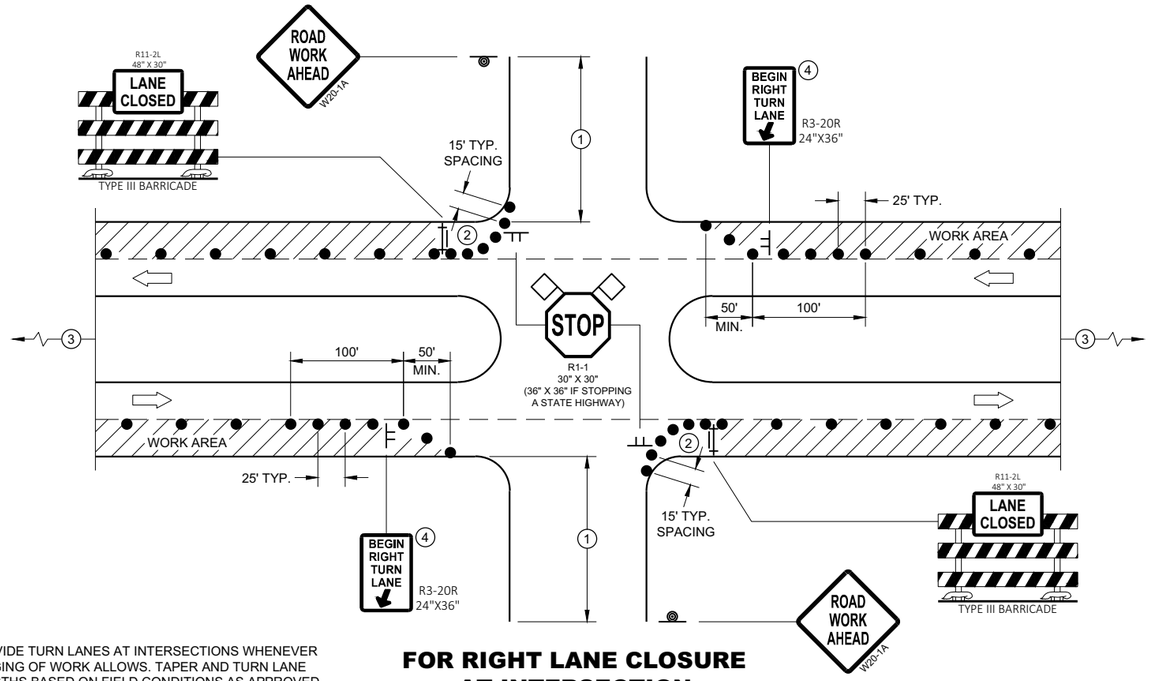
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

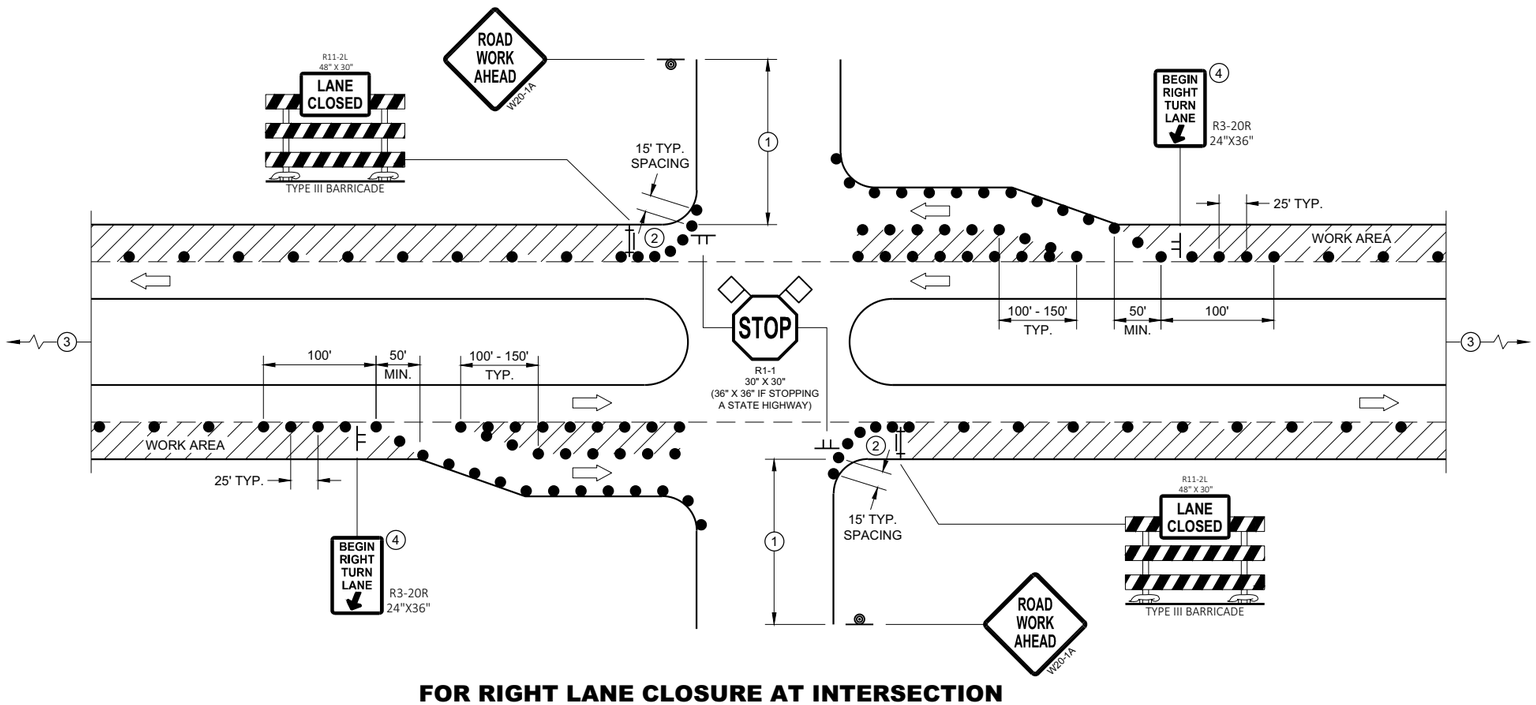
SDD 15D20-10c

6



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

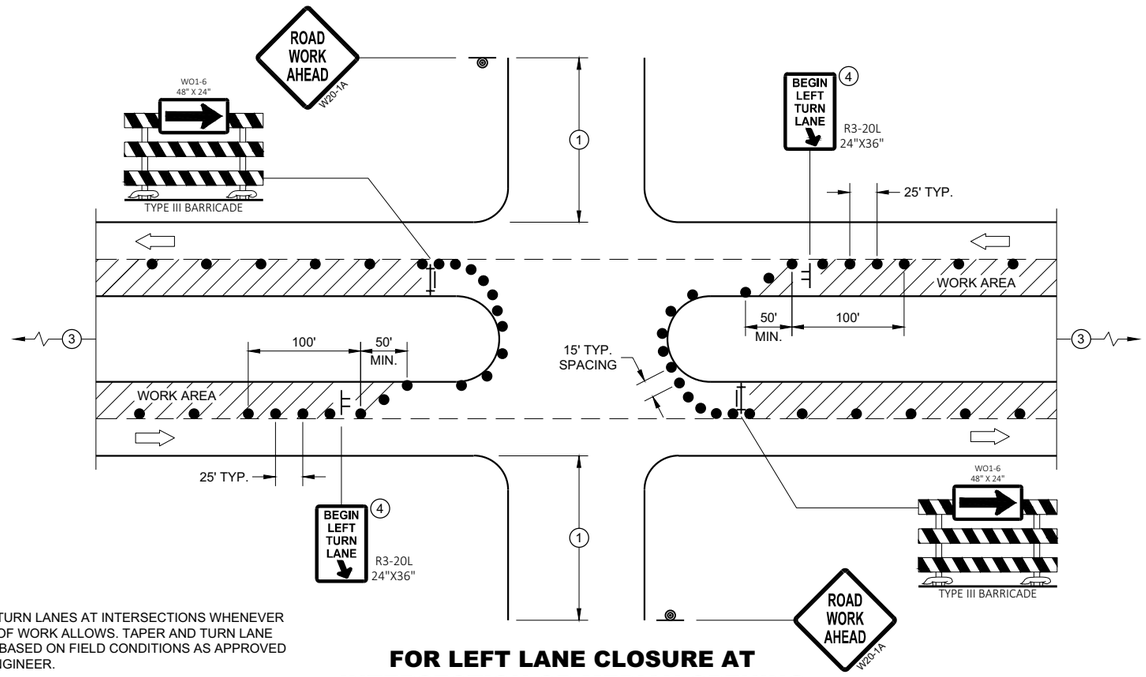
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D21 - 07a

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SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

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SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

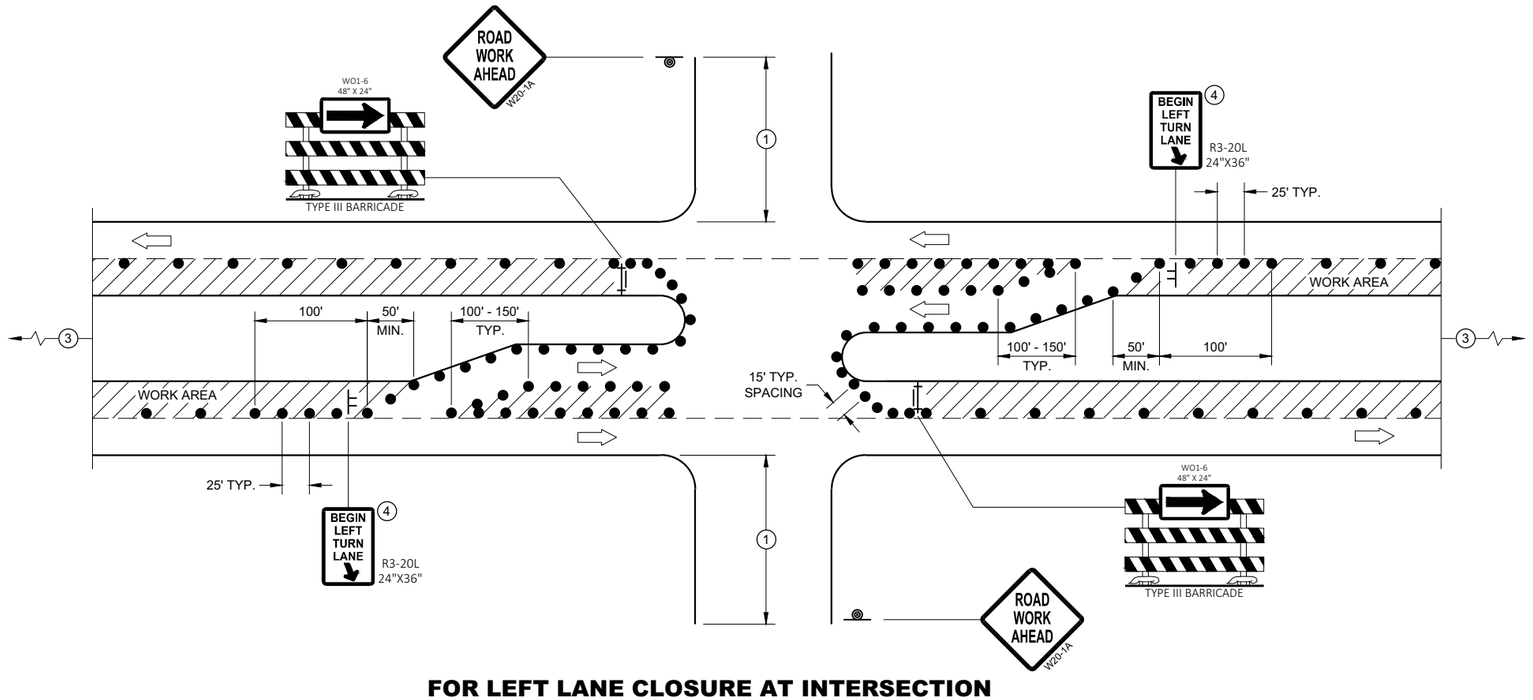
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- -X–X–X- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES.
FOR CLOSING LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"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 LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

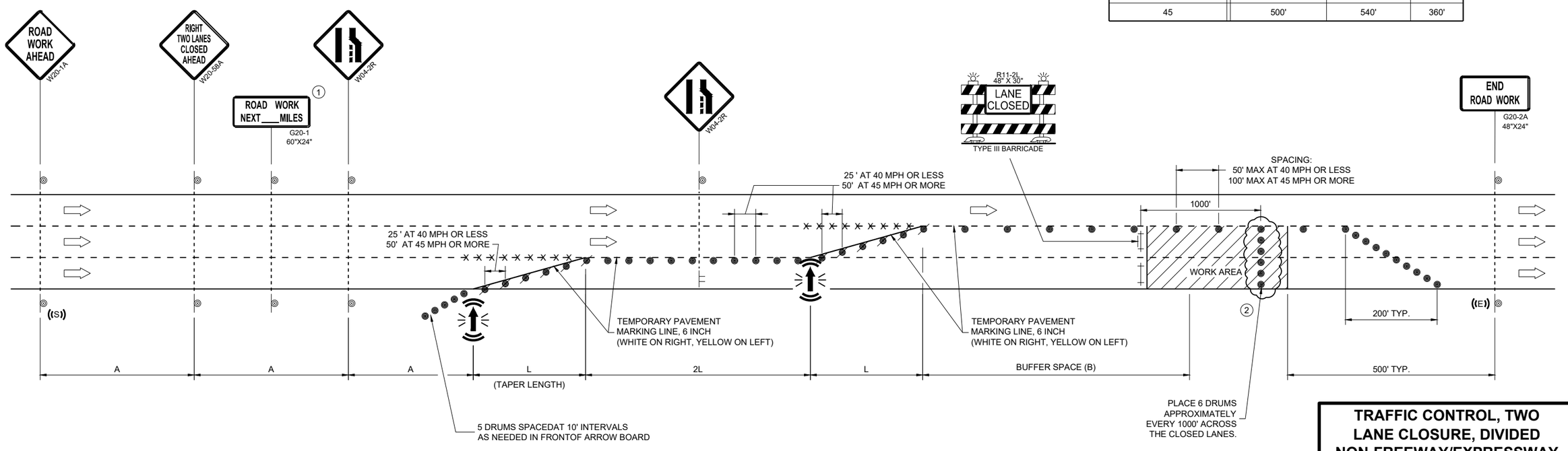
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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) DRUMS 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.

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'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'



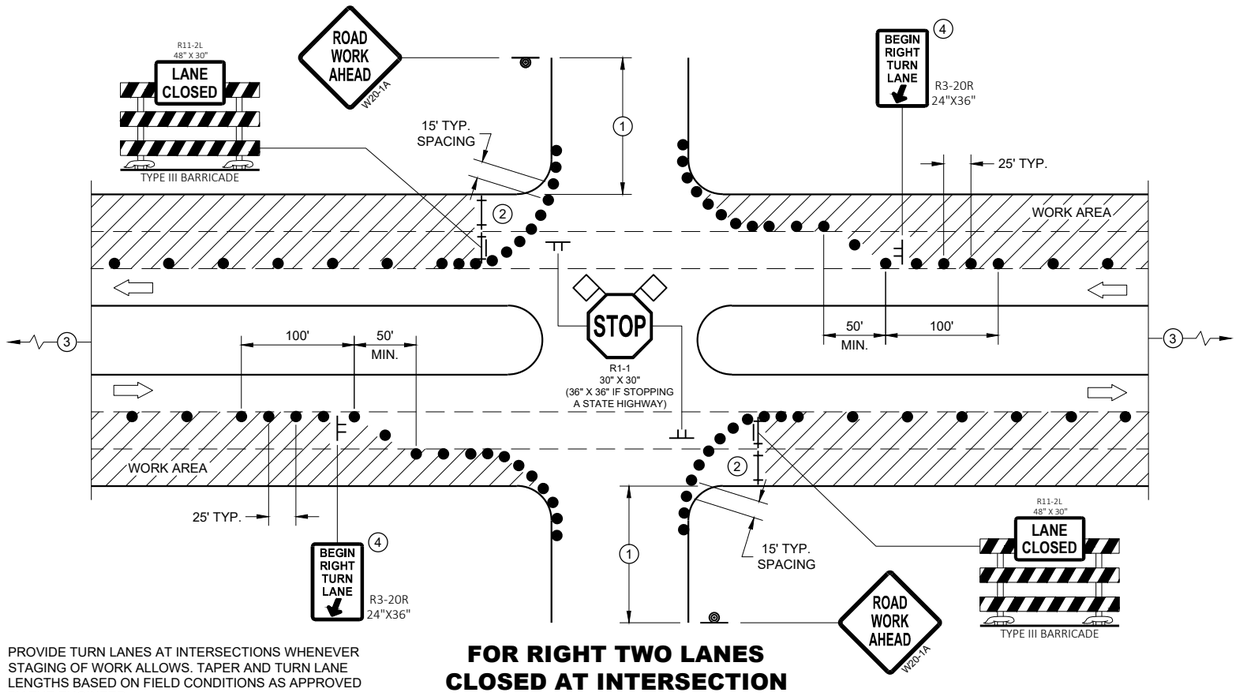
TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D22-08



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

GENERAL NOTES

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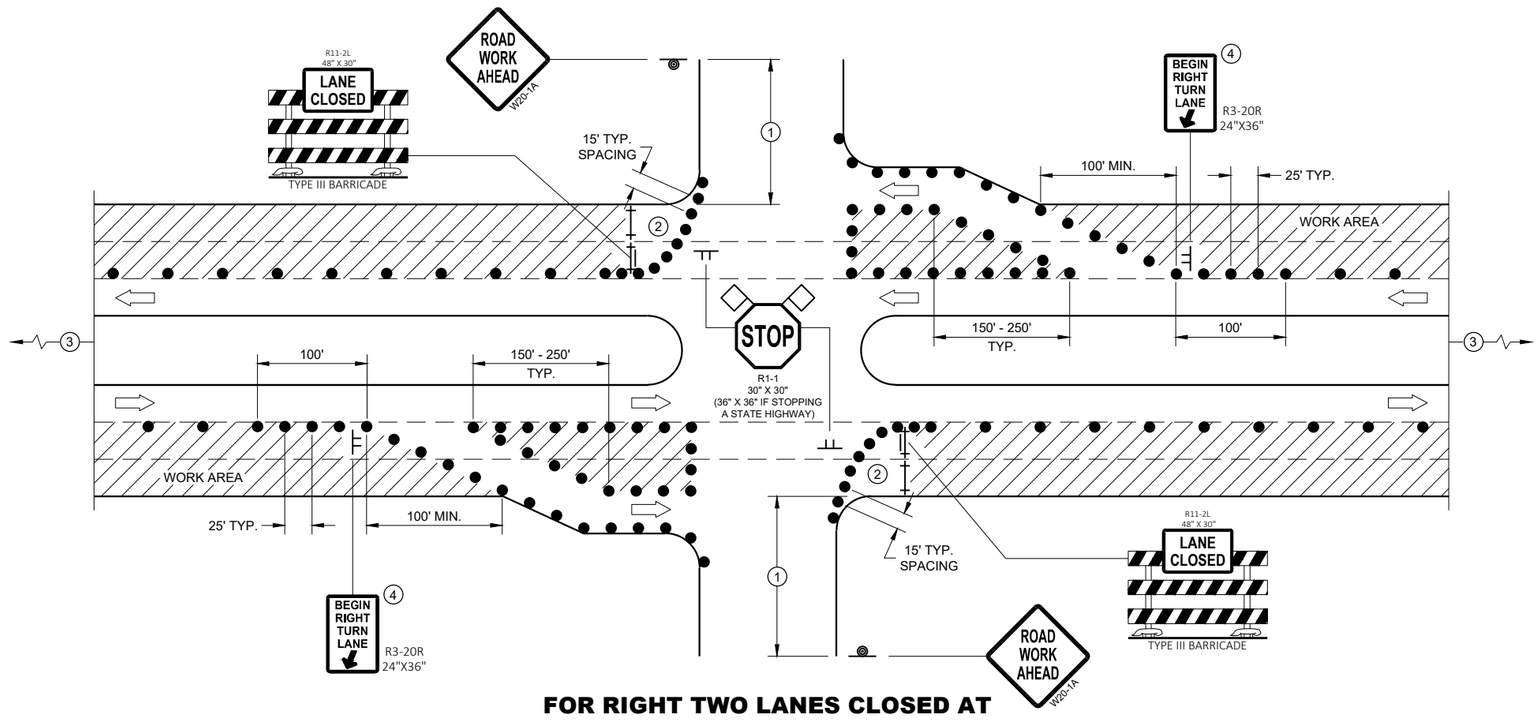
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FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

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- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
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TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

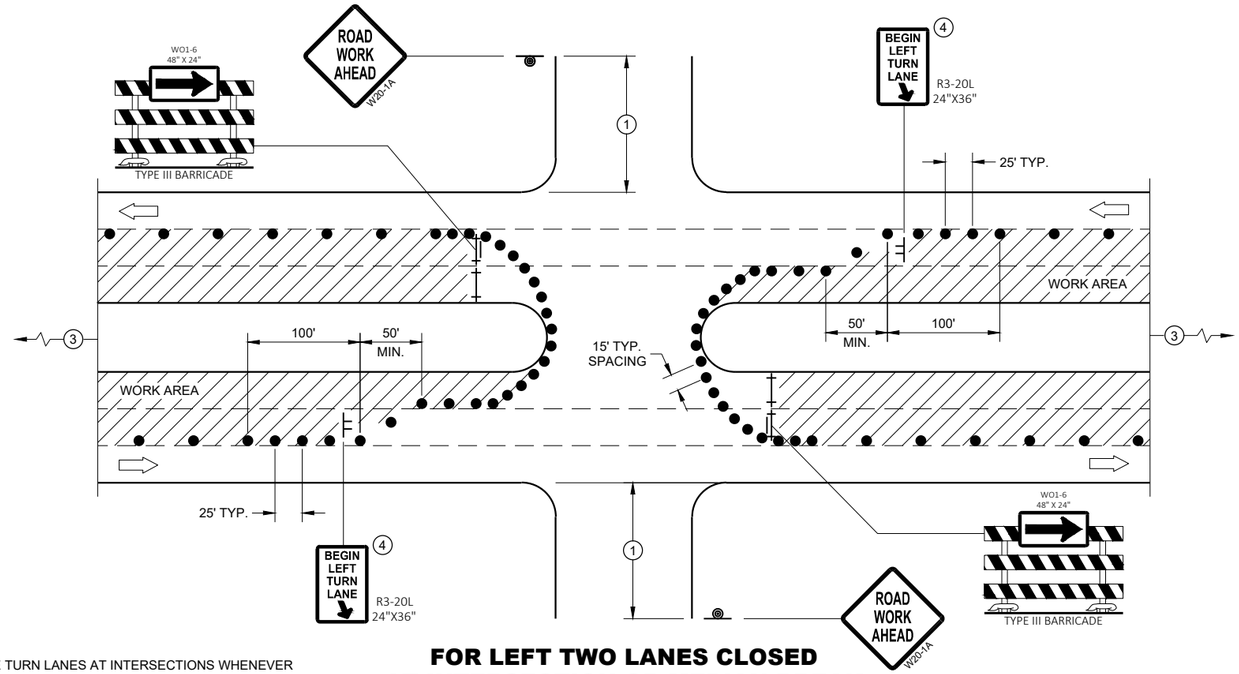
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D23 - 07a

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SDD 15D23 - 07a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

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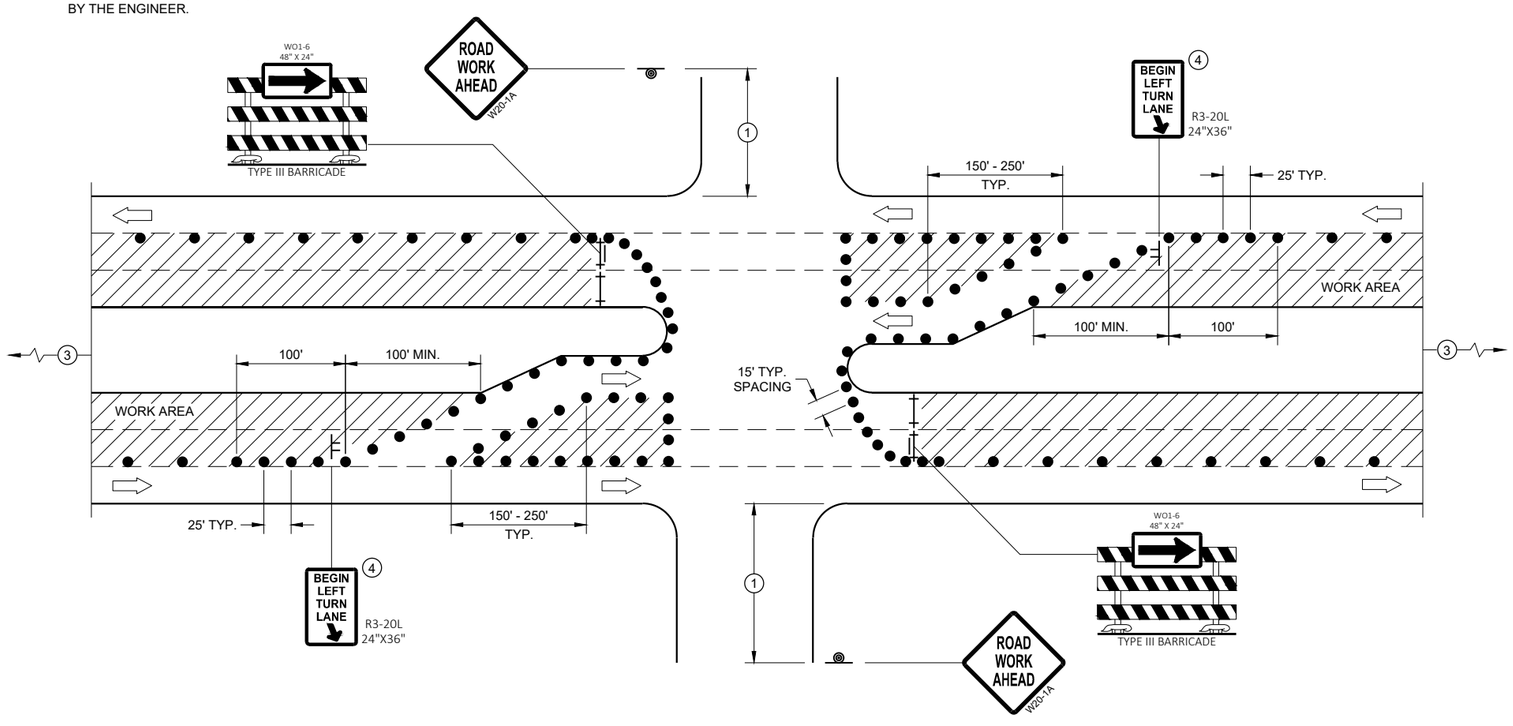
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FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

LEGEND

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- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
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TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

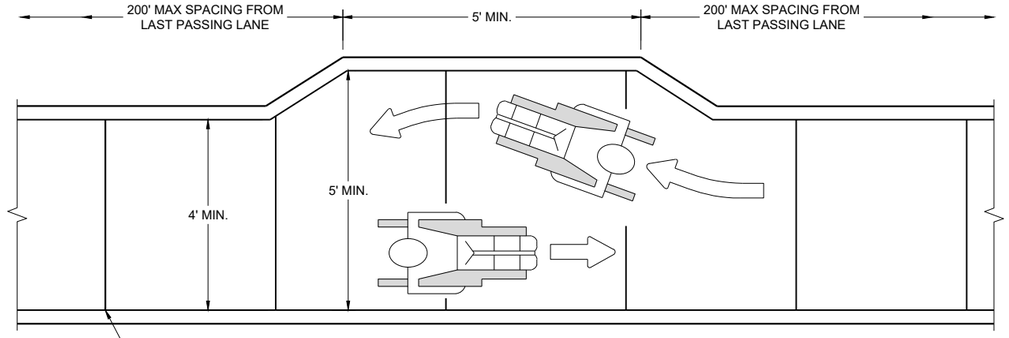
APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

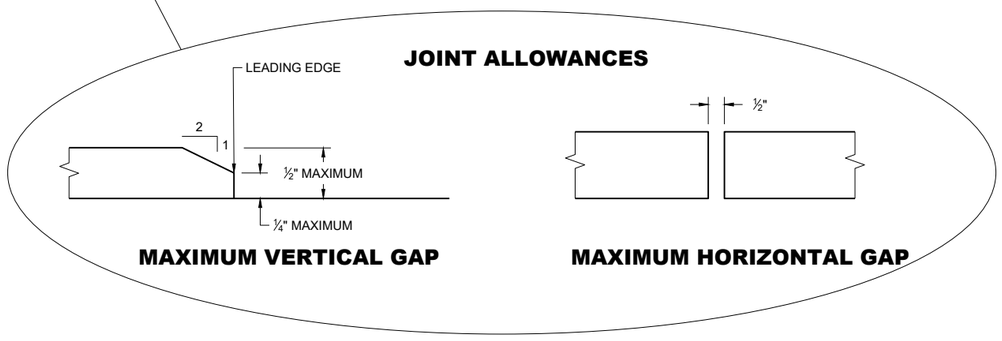
FHWA

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SDD 15D23 - 07b
SDD15D23 - 07b



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

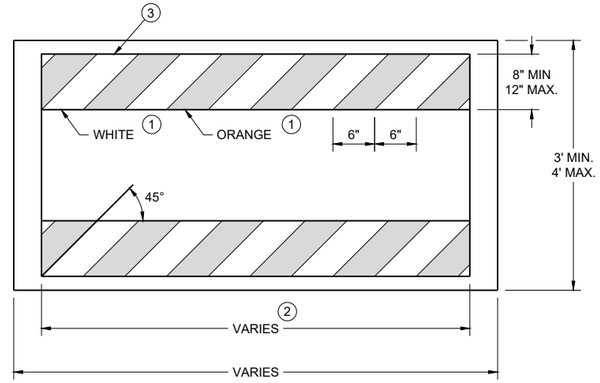
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

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

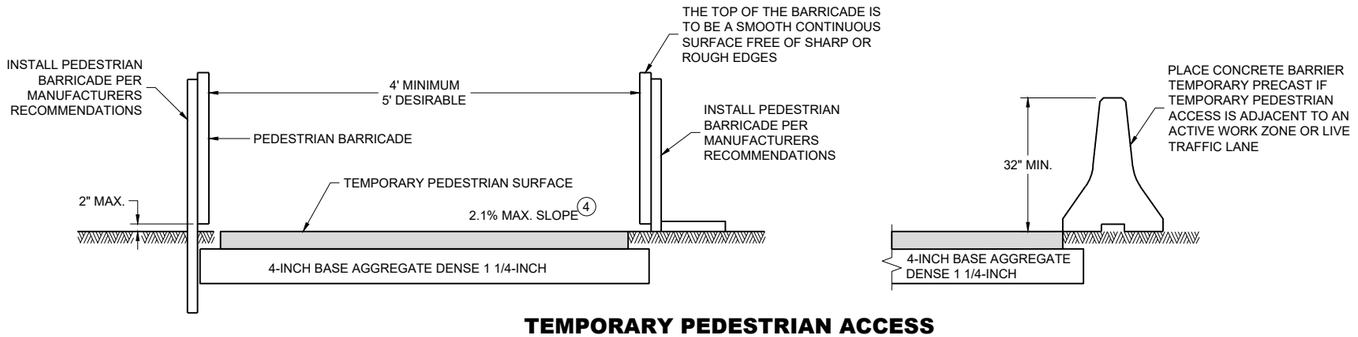
(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

(4) WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

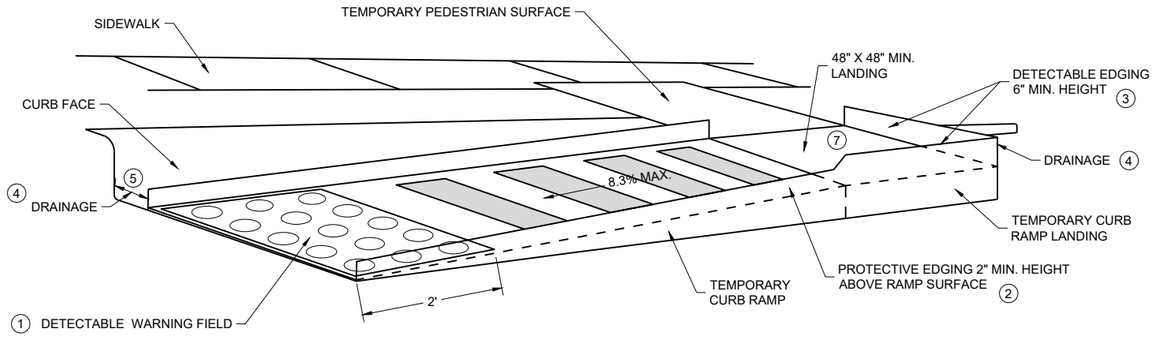
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30-11a

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SDD 15D30-11a



PERSPECTIVE VIEW

GENERAL NOTES

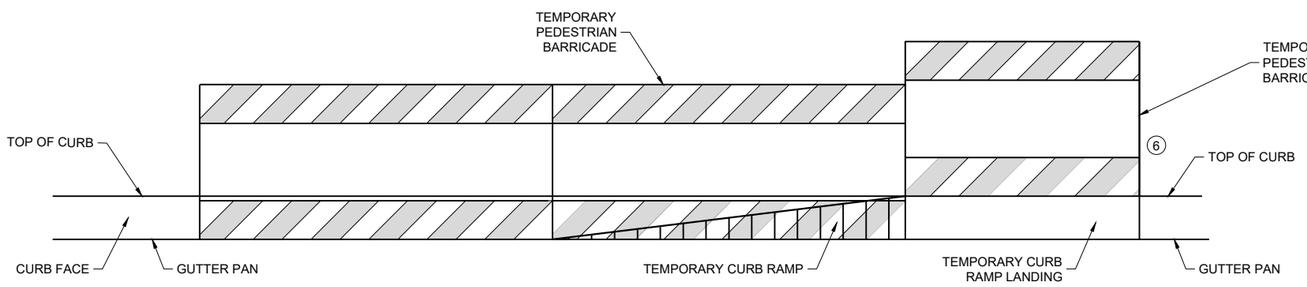
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

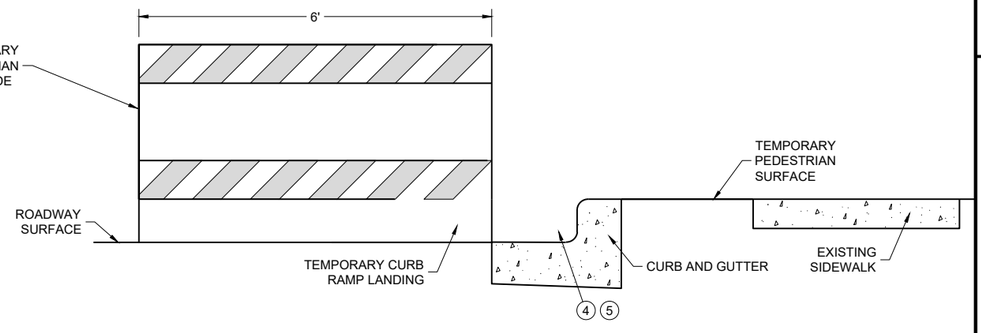
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



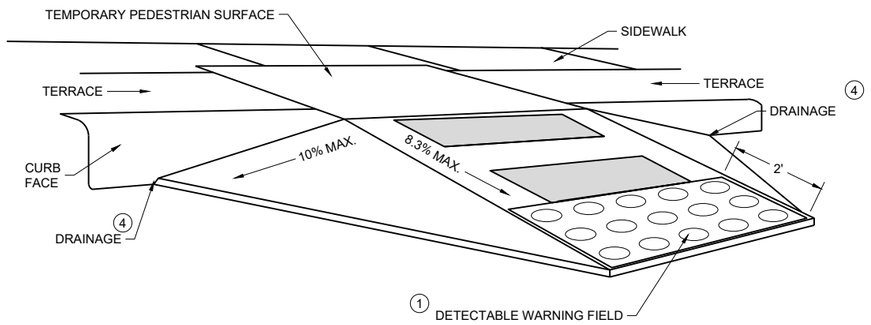
SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

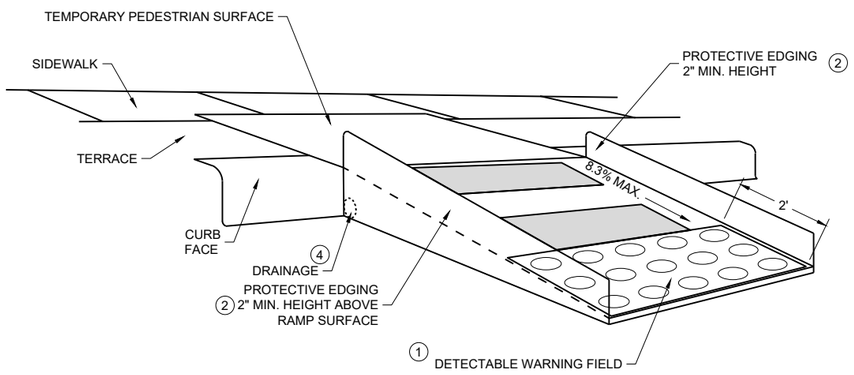
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11b



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 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

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

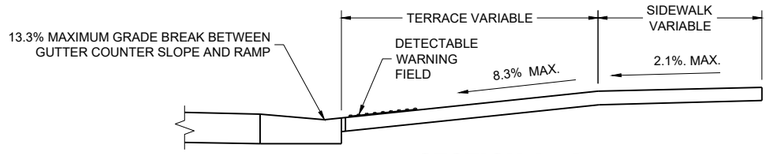
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

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

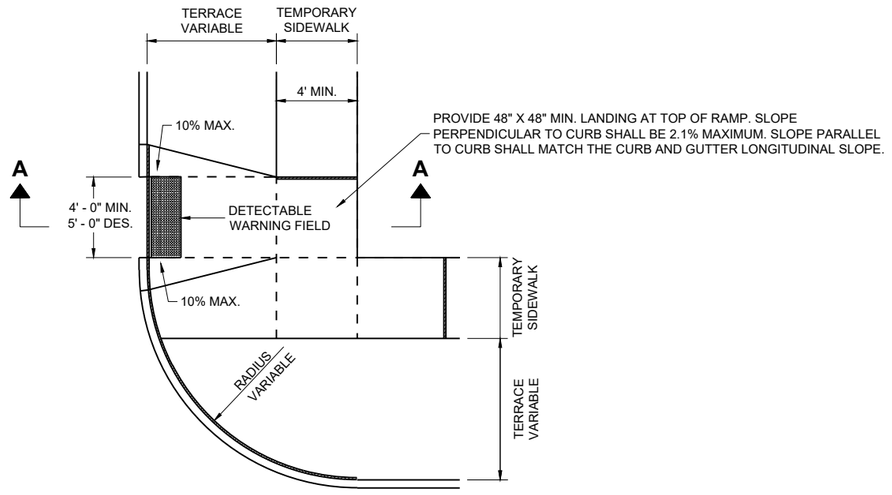
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES



SECTION A - A



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

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

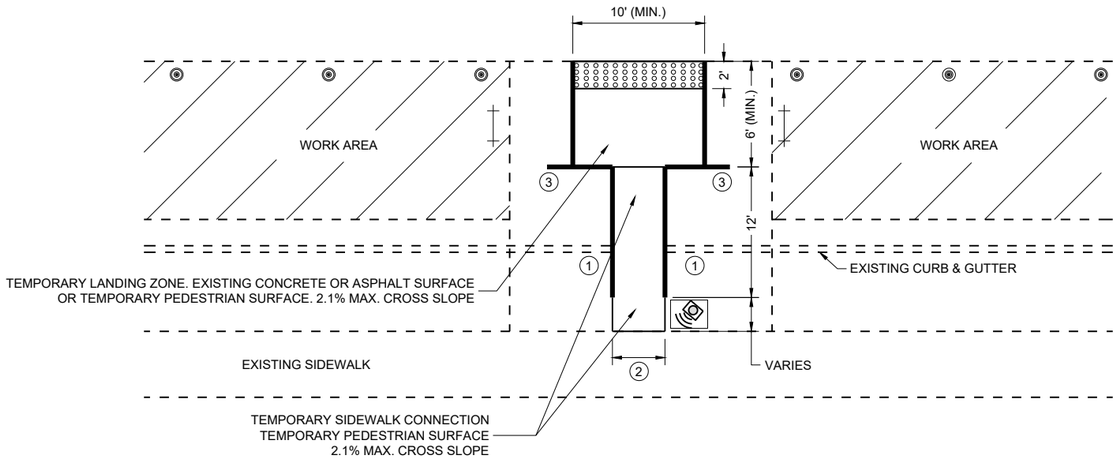
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

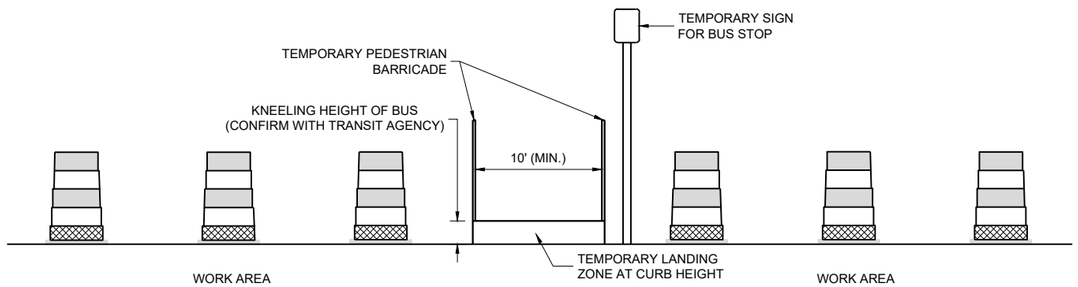
FHWA

6

SDD 15D30-11d



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 1:48 (2.1%) MAX. CROSS-SLOPE.

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

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

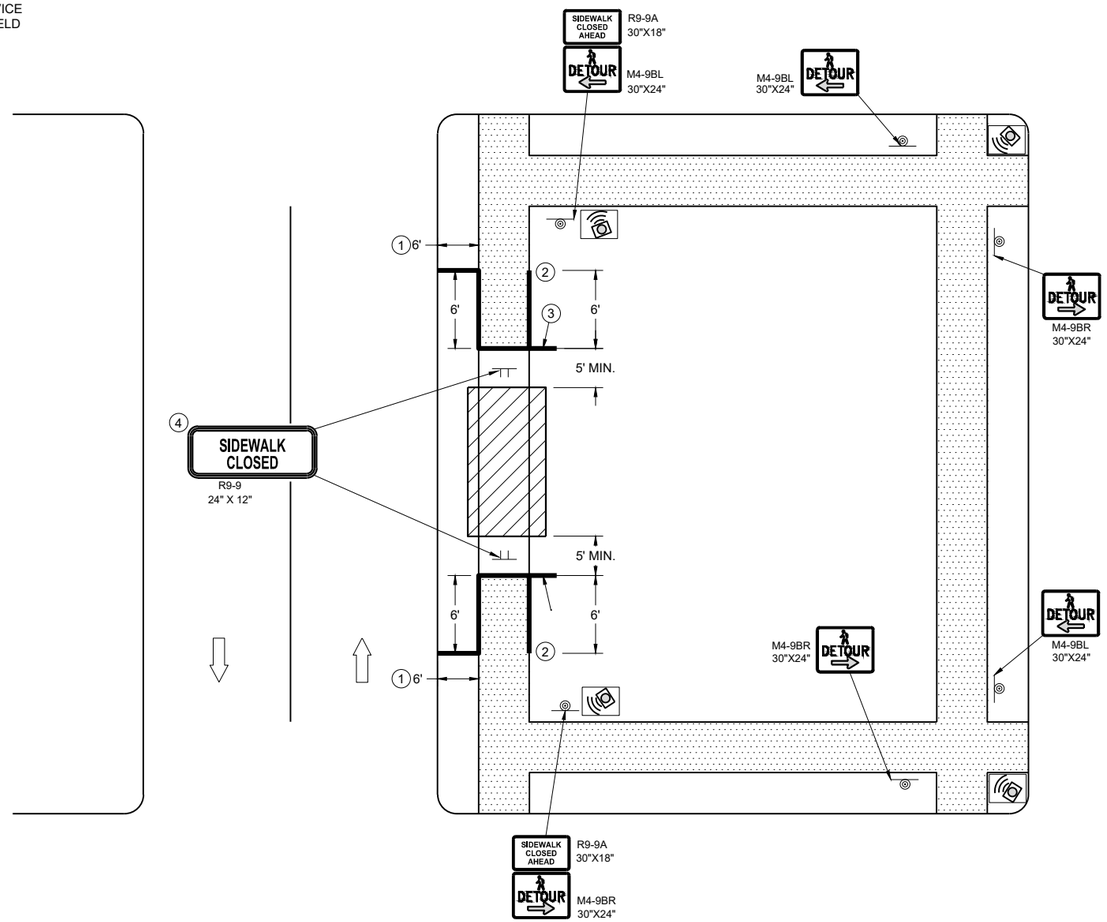
SDD 15D30-11e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

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

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

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

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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-11f

LEGEND

SIGN ON TEMPORARY SUPPORT

WORK AREA

UNDER PEDESTRIAN TRAFFIC

TEMPORARY PEDESTRIAN SURFACE

TEMPORARY PEDESTRIAN BARRICADE

OPTIONAL TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

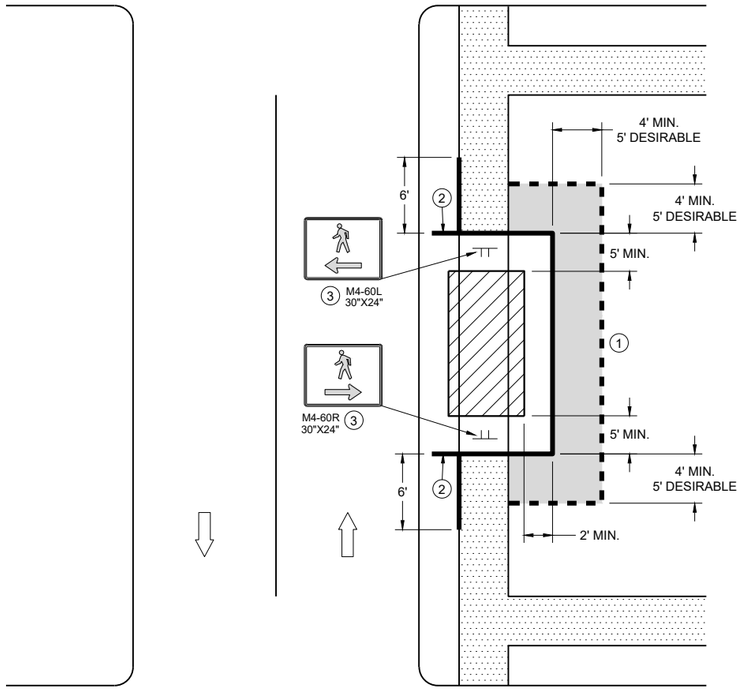
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

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

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

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



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-11g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

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

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

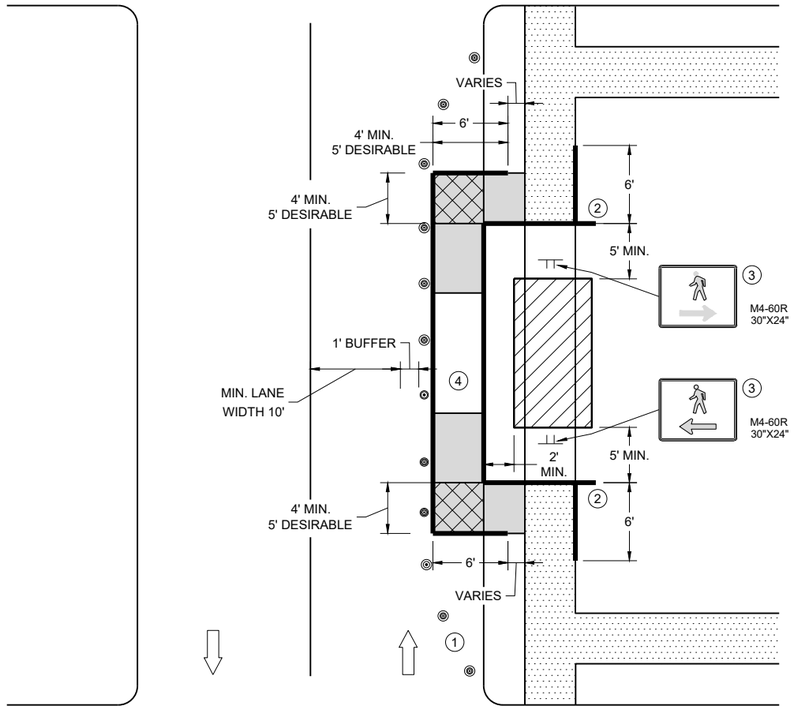
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

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

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



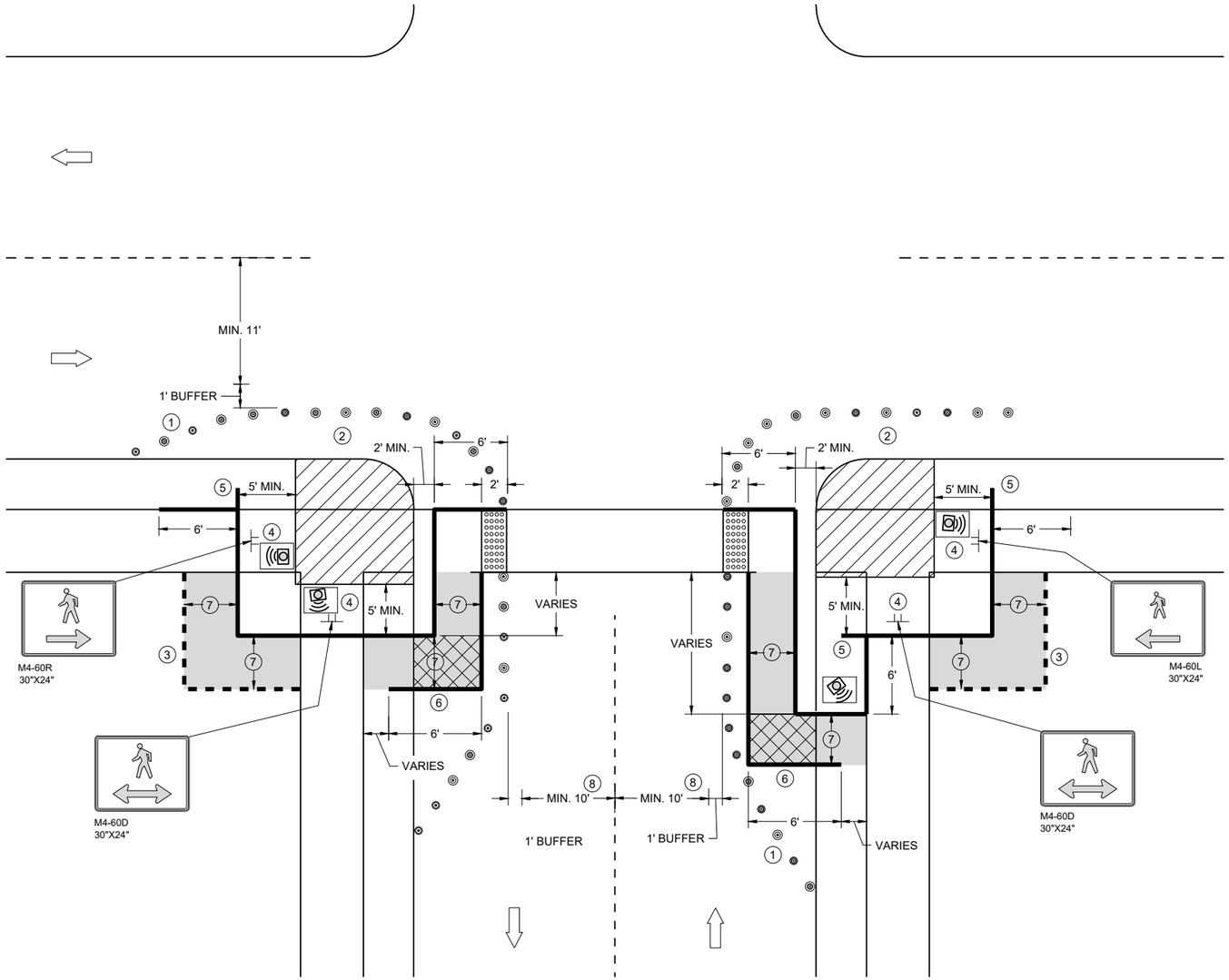
SIDEWALK BYPASS, SINGLE SIDE

6

SDD 15D30-11h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

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

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

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

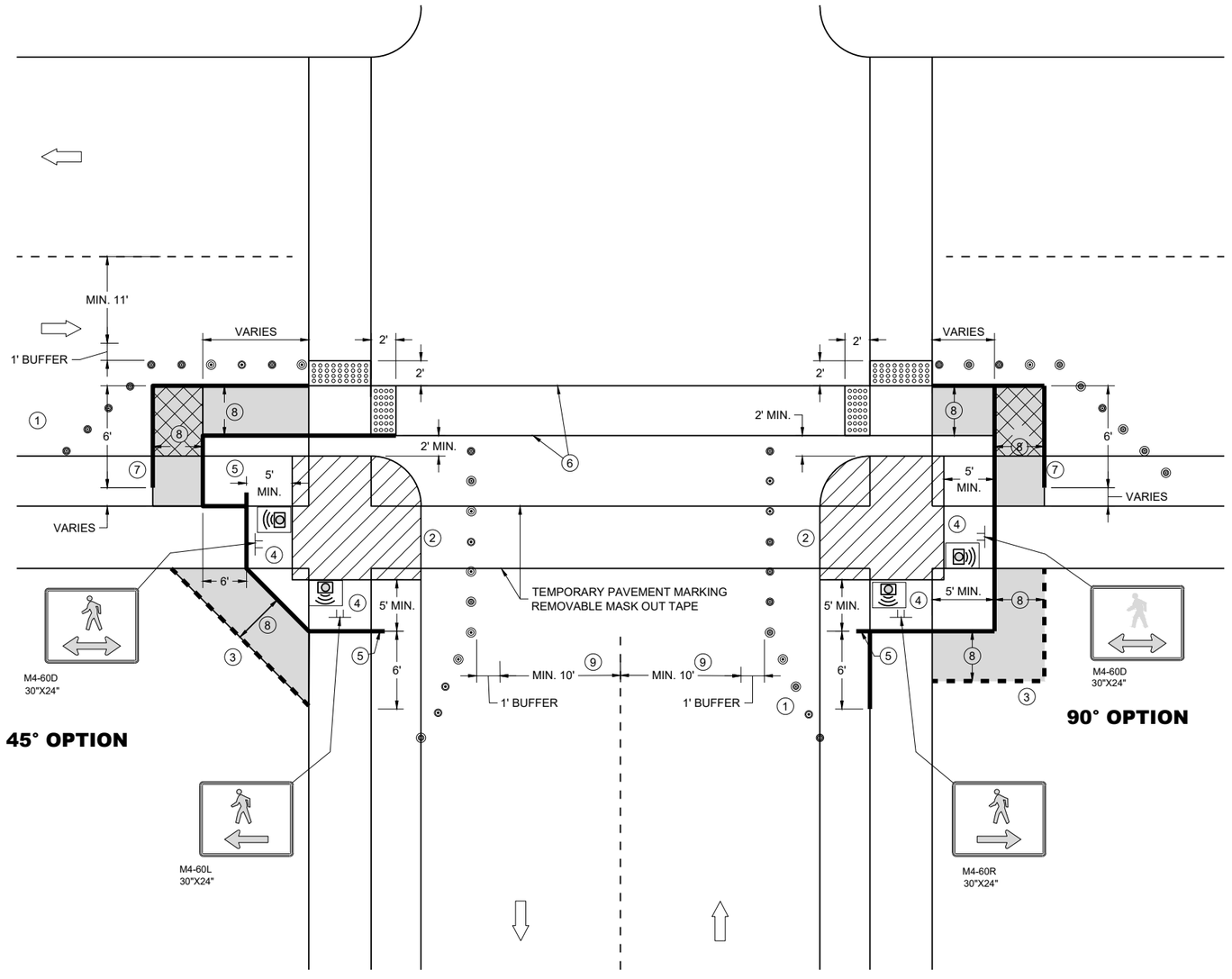
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

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

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

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

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

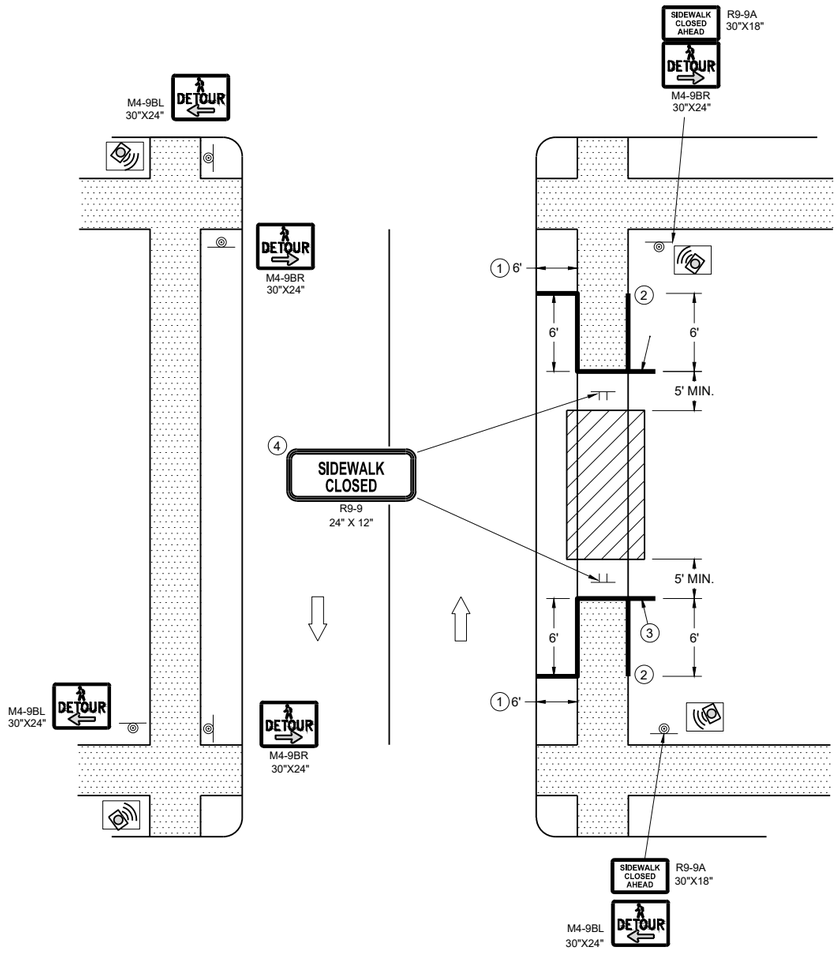
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

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

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

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

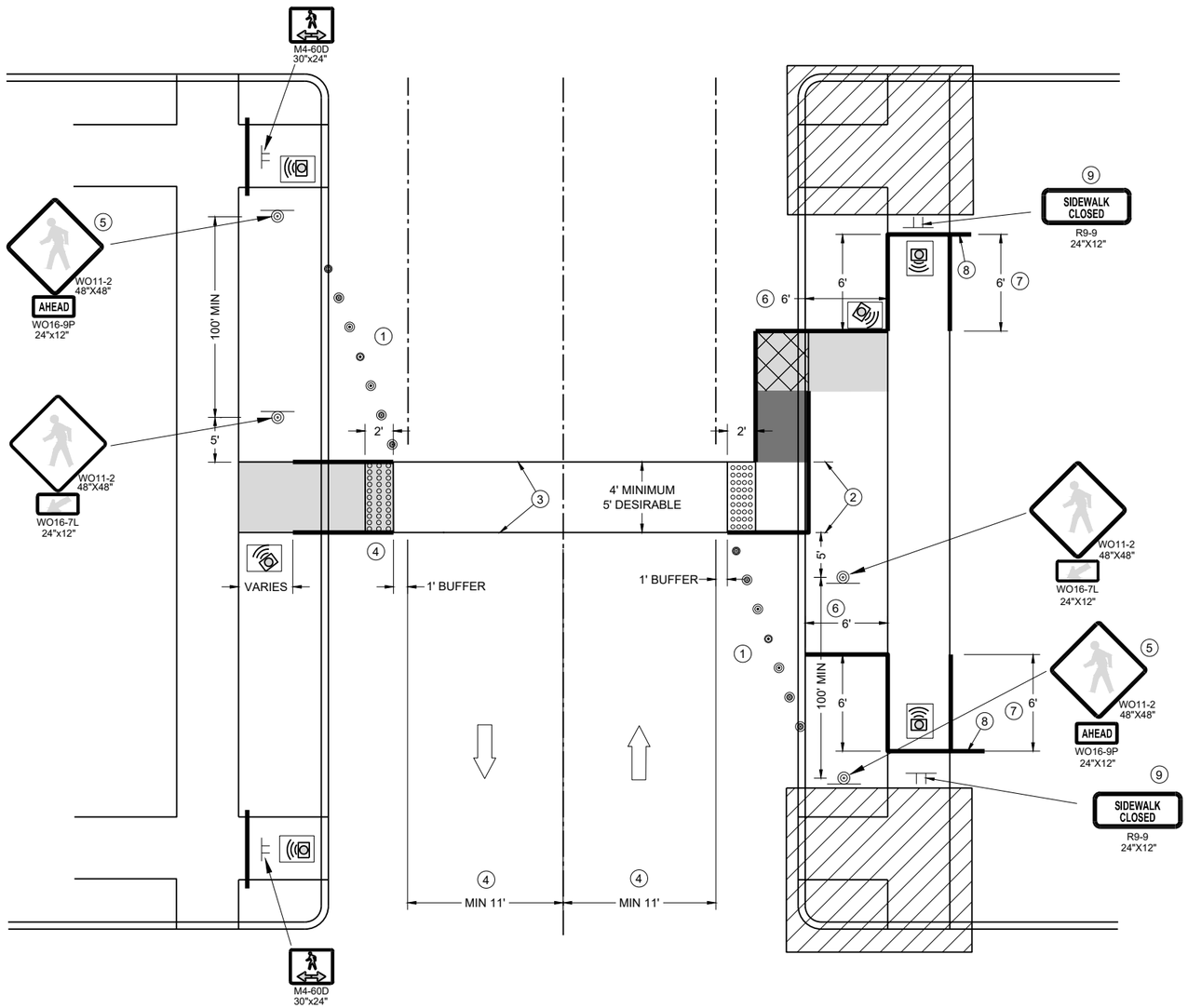
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN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

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SDD 15D30-11k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

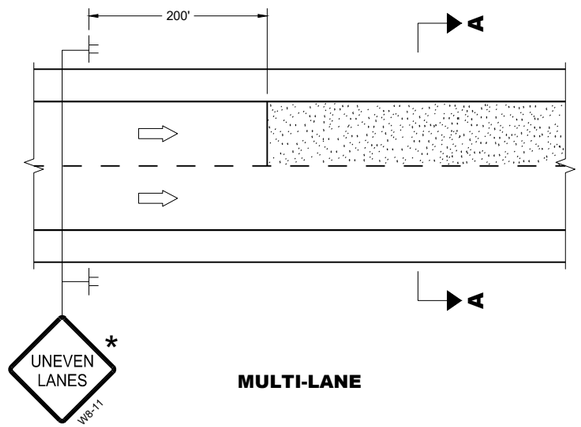
1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

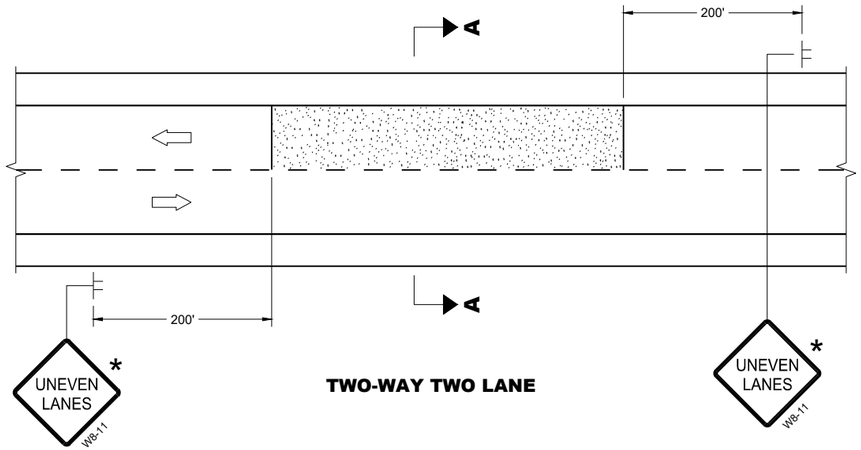
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

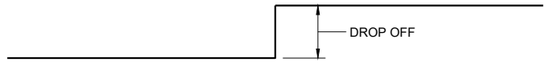
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



MULTI-LANE

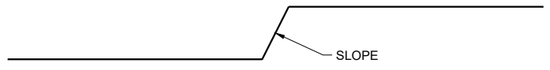


TWO-WAY TWO LANE

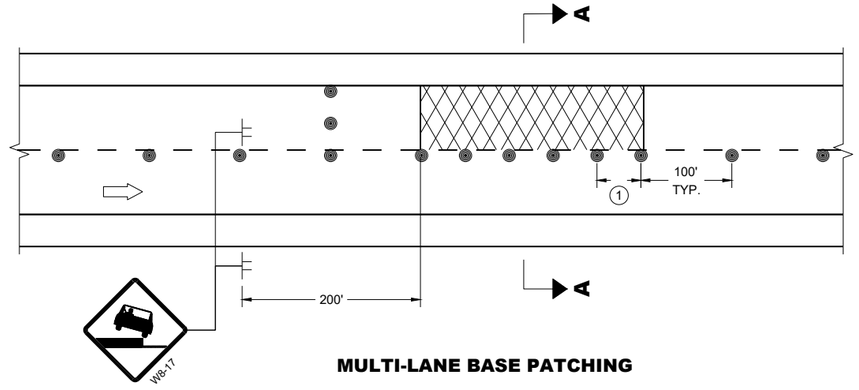


SECTION A - A

OR



SECTION A - A



MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

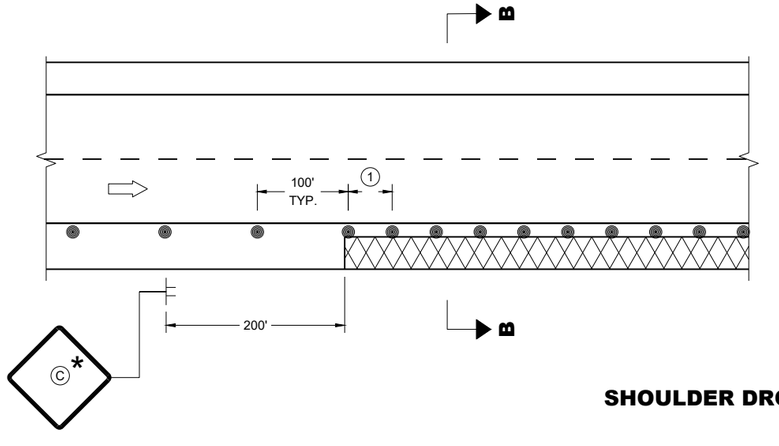
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

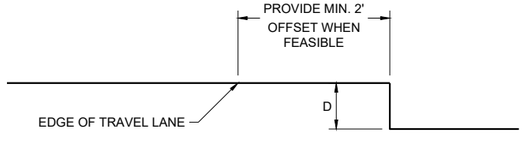
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A
	PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D39-03

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	155
30	200	75	83	90	98	105	200
35	350	102	112	123	133	143	250
40	350	133	147	160	173	187	305
45	500	225	248	270	293	315	360

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.

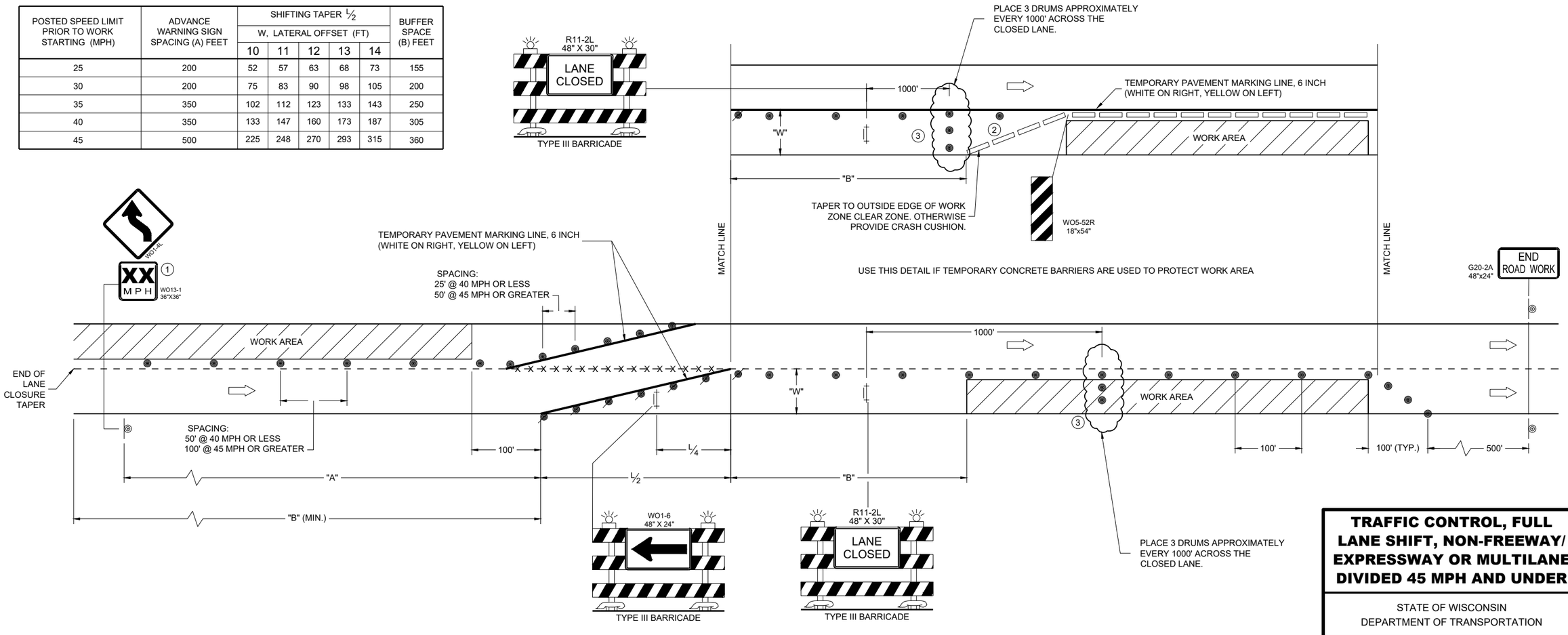
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER

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

(3) DRUMS 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.



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D40-06a

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

FULL SHIFT							
SHIFTING TAPER L/2							
POSTED SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	225	248	270	293	315	338	360
50	250	275	300	325	350	375	400
55	275	303	330	358	385	413	440
60	300	330	360	390	420	450	480
65	325	358	390	423	455	488	520
70	350	385	420	455	490	525	560

SPEED LIMIT 60 / W03-5

OR

SPEED LIMIT 55 / W03-5

LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN

SPEED LIMIT 60 / R2-1 48"X60"

OR

SPEED LIMIT 55 / R2-1 48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

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.

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.

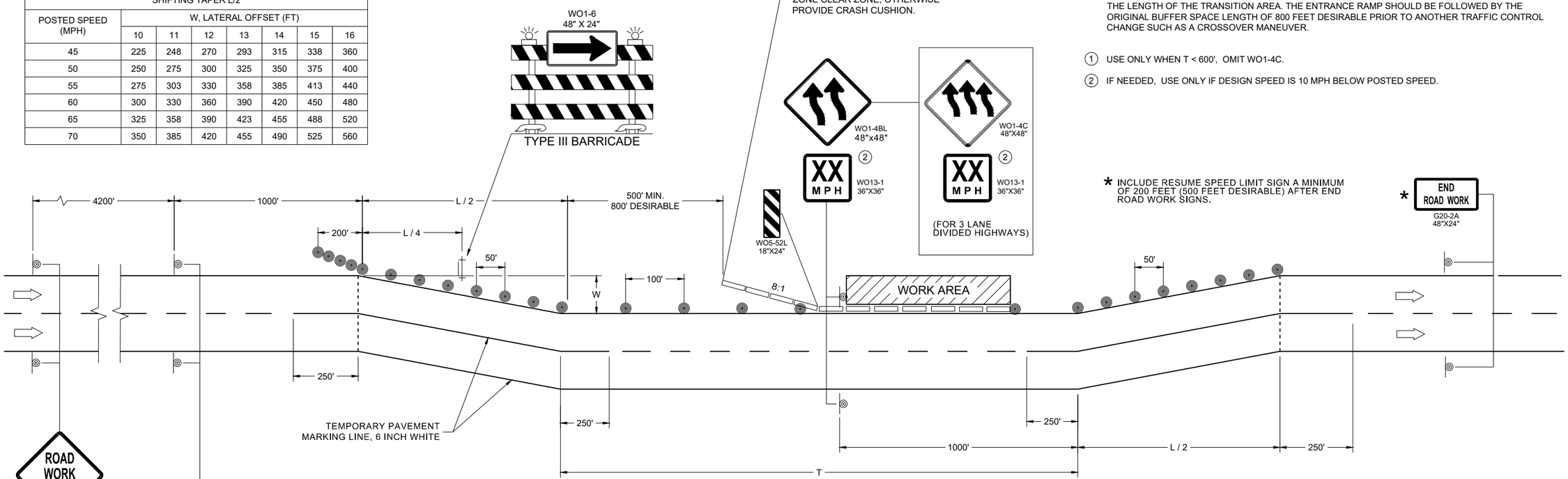
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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 WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



PARTIAL SHIFT									
POSTED SPEED PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
45	23	45	68	90	113	135	158	180	203
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6
SDD 15D41-05a

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

TEMPORARY TAPE RUMBLE STRIPS (VARIABLE SPACING)

FULL SHIFT							
SHIFTING TAPER L/2							
POSTED SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	225	248	270	293	315	338	360
50	250	275	300	325	350	375	400
55	275	303	330	358	385	413	440
60	300	330	360	390	420	450	480
65	325	358	390	423	455	488	520
70	350	385	420	455	490	525	560



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



R2-1 48"X60"

OR



R2-1 48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

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.

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.

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.

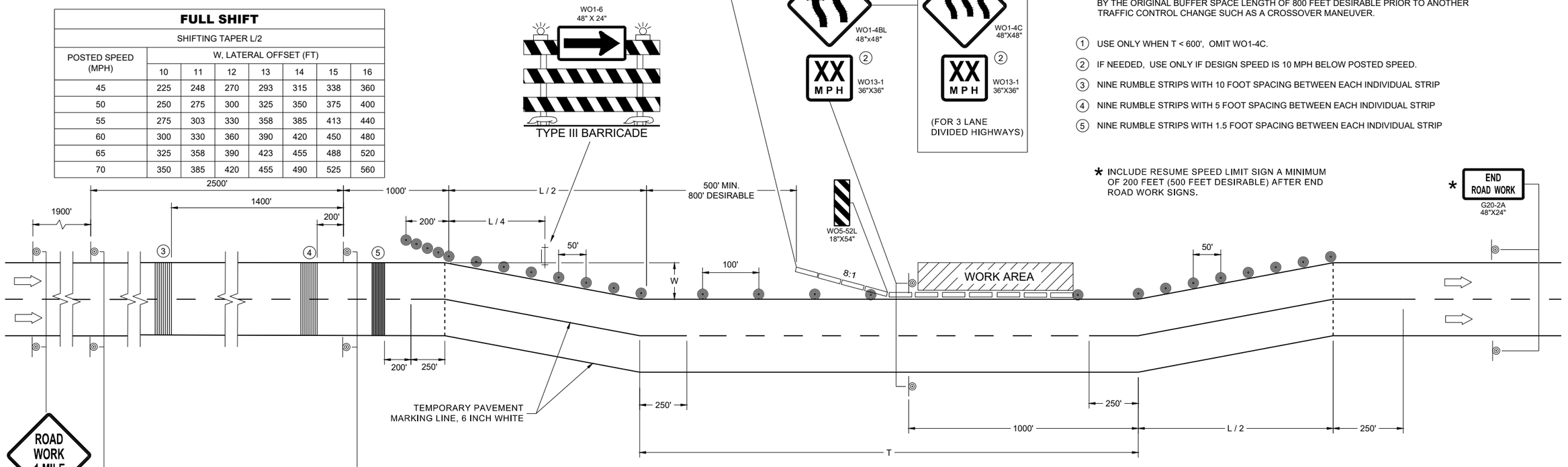
(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) NINE RUMBLE STRIPS WITH 10 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP

(4) NINE RUMBLE STRIPS WITH 5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP

(5) NINE RUMBLE STRIPS WITH 1.5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP



PARTIAL SHIFT									
POSTED SPEED PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
45	23	45	68	90	113	135	158	180	203
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

TRAFFIC CONTROL MULTIPLE LANE SHIFT DIVIDED ROAD TEMPORARY TAPE RUMBLE STRIPS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6

SDD 15D41-05b

6

SDD 15D41-05b

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

RIGHT CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR)

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS PART OF A DAYTIME ONLY OPERATION.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

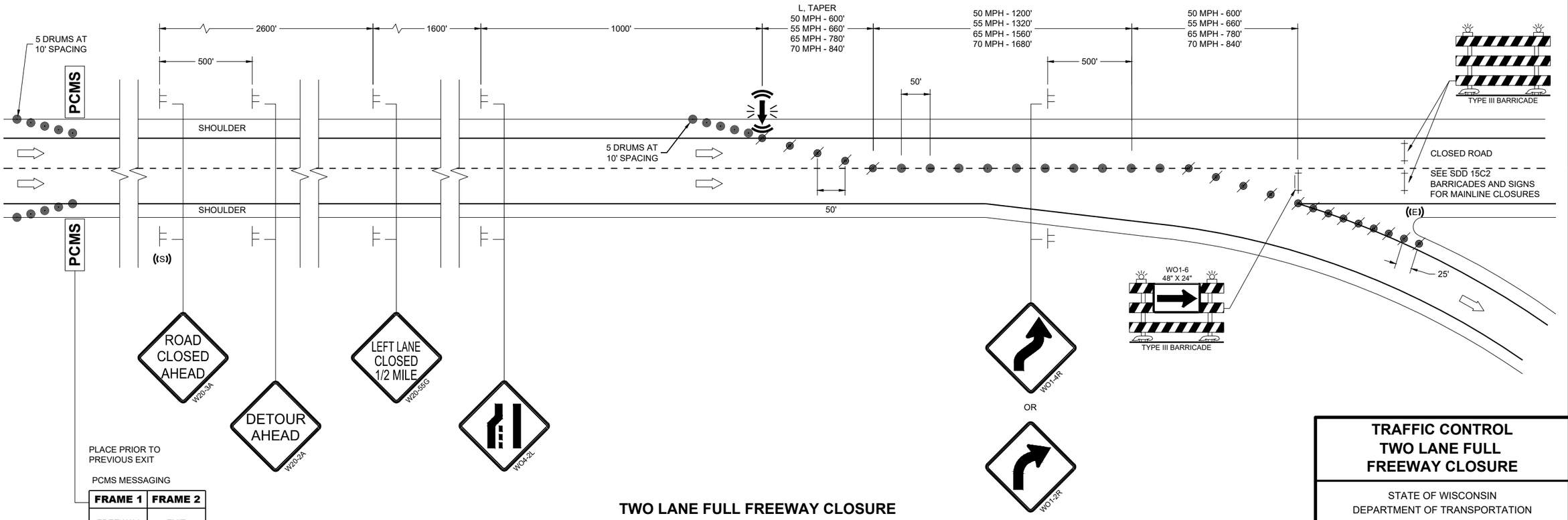
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP REINFORCE THE DRUM LINE.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

REFER TO DETOUR ROUTES FOR TRAFFIC GUIDANCE SIGNING.

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. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.



PLACE PRIOR TO PREVIOUS EXIT

PCMS MESSAGING

FRAME 1	FRAME 2
FREEWAY CLOSED	EXIT AHEAD

TWO LANE FULL FREEWAY CLOSURE

TRAFFIC CONTROL
TWO LANE FULL
FREEWAY CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 /S/ Andrew Heidtke
DATE

FHWA

6
SDD 15D42-04

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.

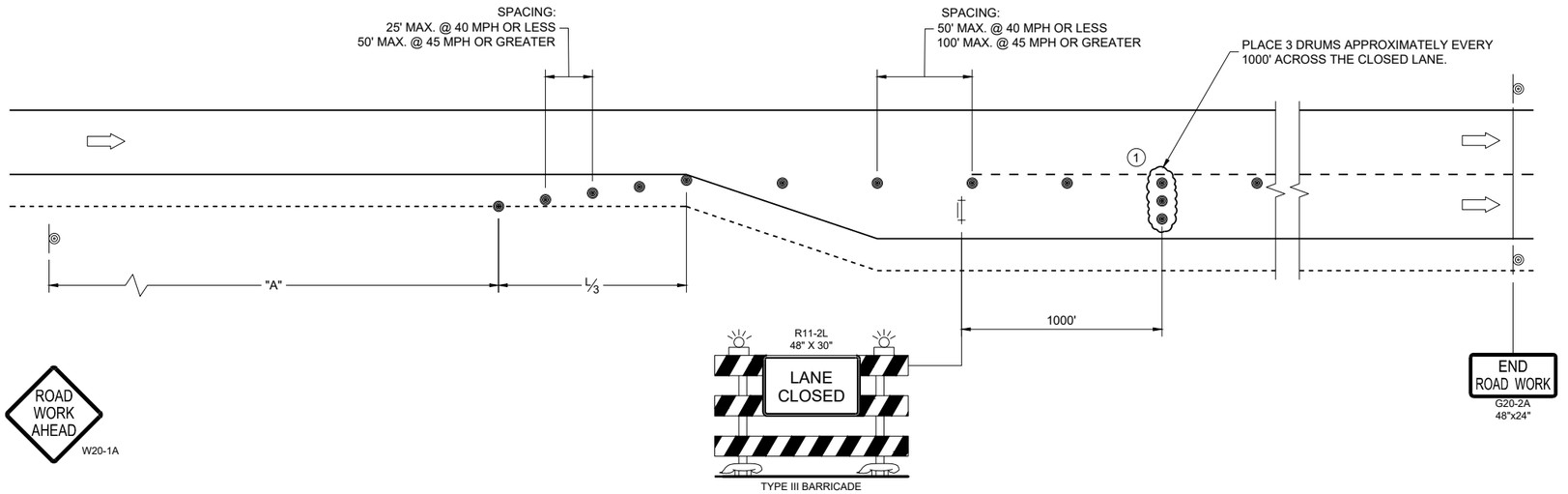
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.

(1) DRUMS 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.



TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15D50-04a

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.

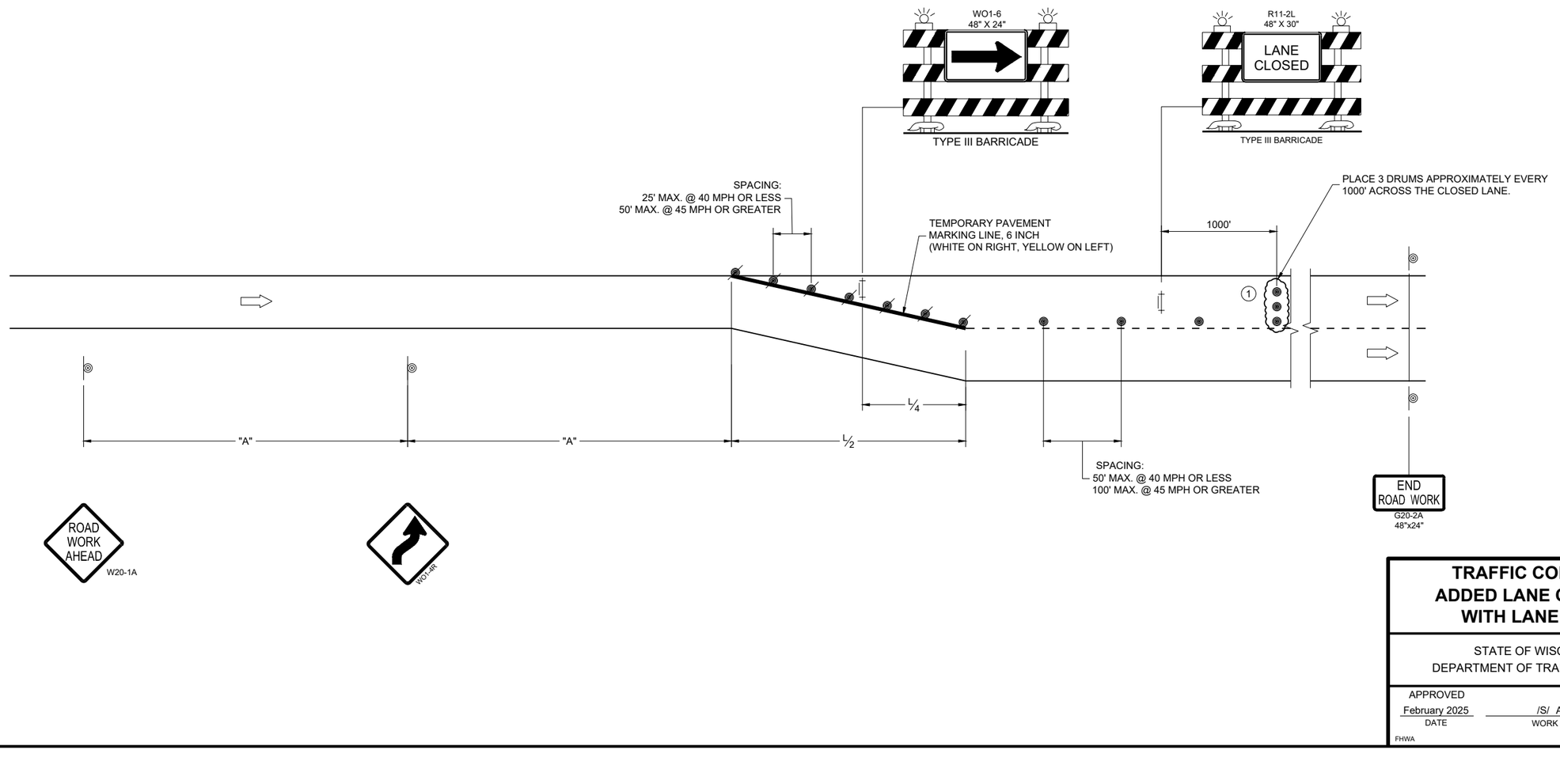
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

(1) DRUMS 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.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

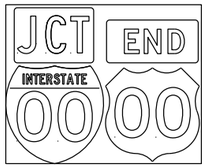
FHWA

6
SDD 15D50-04b

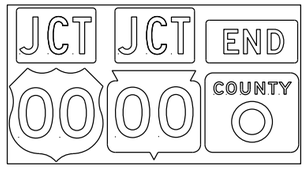
TYPICAL ASSEMBLIES



J1-1



J1-2



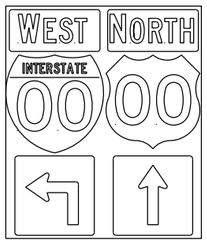
J1-3



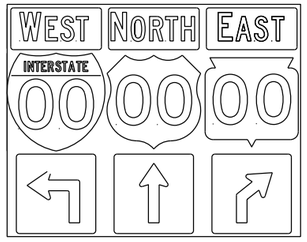
JR1-1



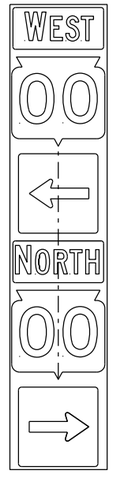
J2-1



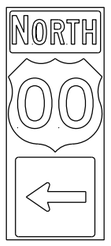
J2-2



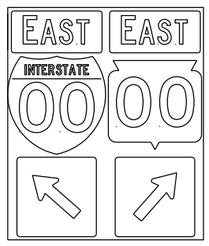
J2-3



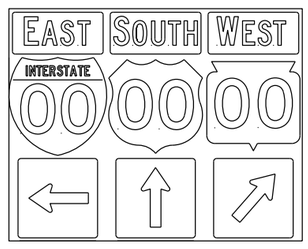
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



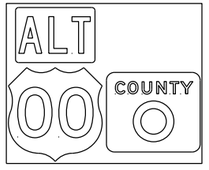
J3-2



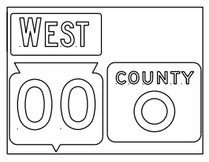
J3-3



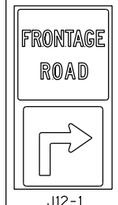
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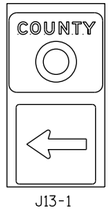
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J4-2



J12-1



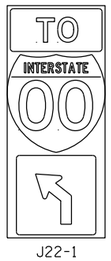
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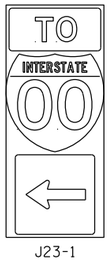
J32-1



J33-1



J22-1



J23-1



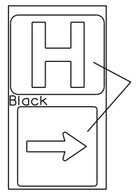
JR13-1



JR23-1



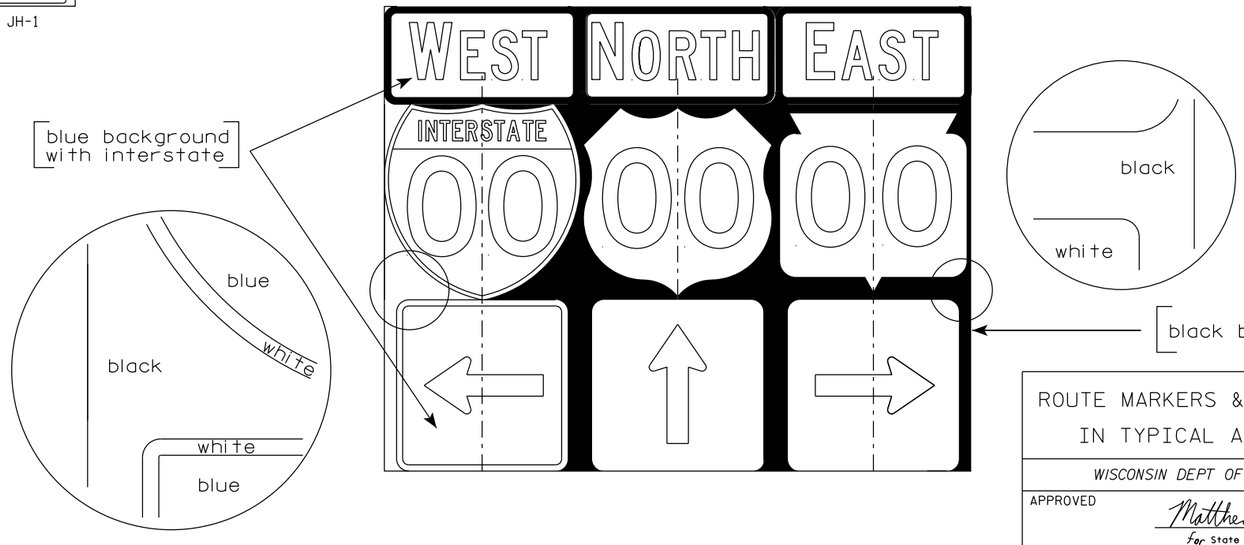
JR99-1



JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

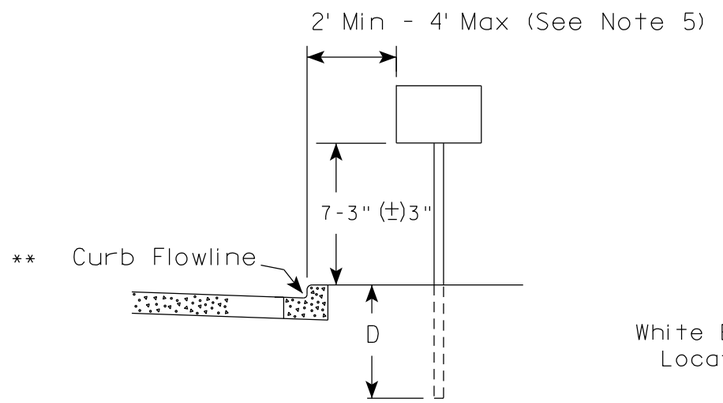
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

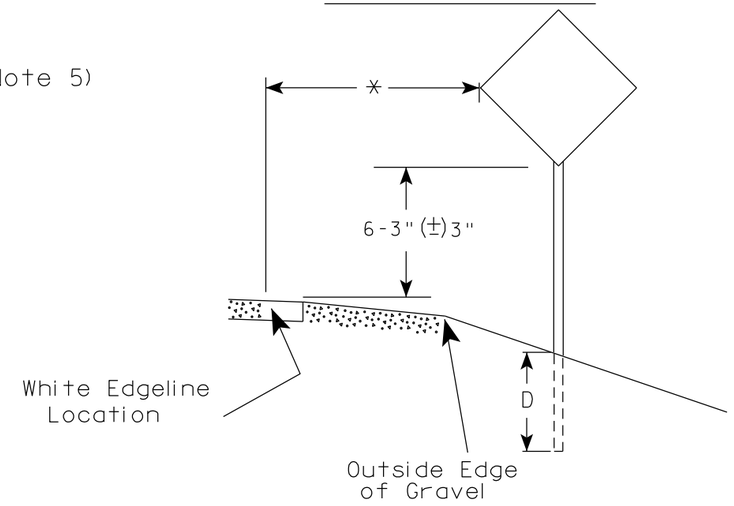
PROJECT NO:

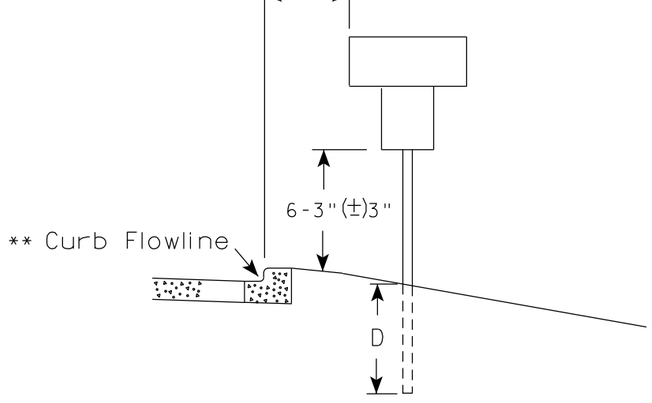
SHEET NO: 266 E

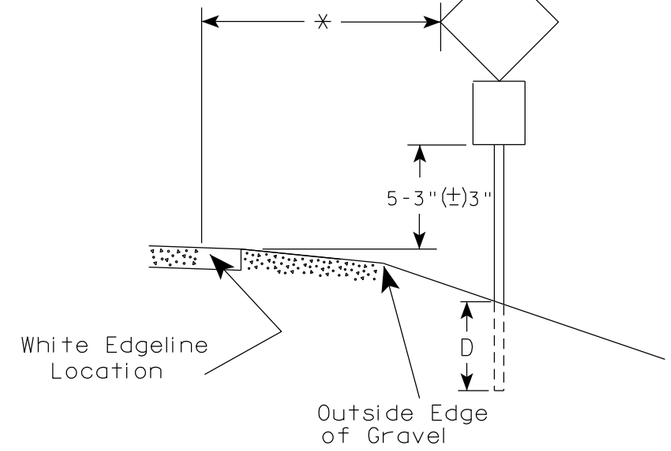
URBAN AREA



RURAL AREA (See Note 2)







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

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

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.

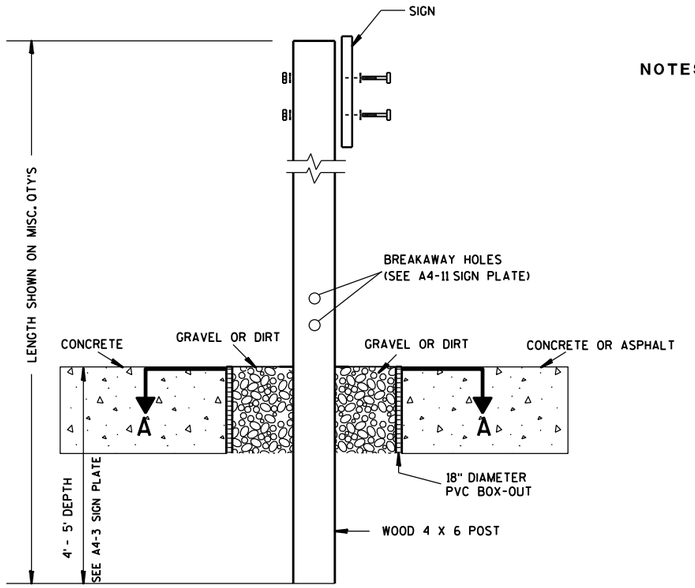
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

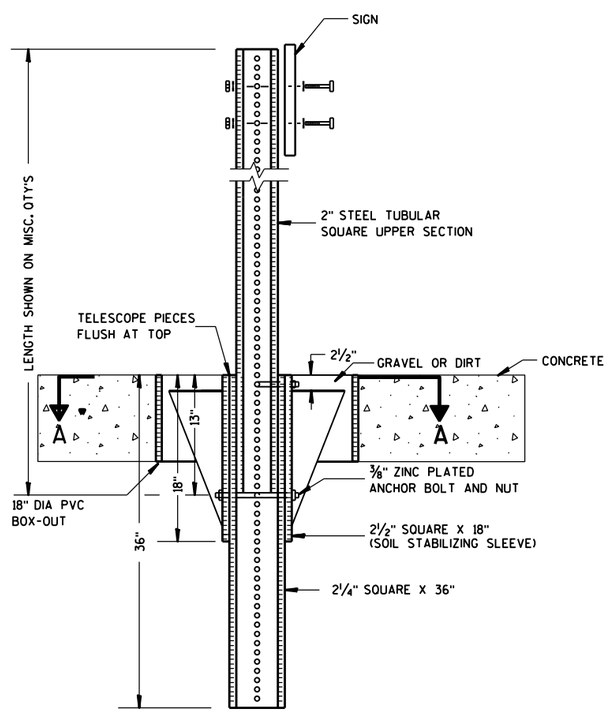
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 267	E



ELEVATION VIEW

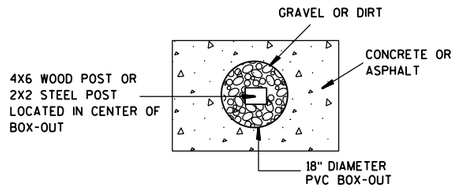
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

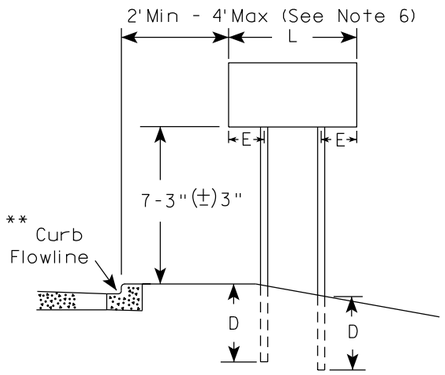
APPROVED Matthew R Rauch
for State Traffic Engineer

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

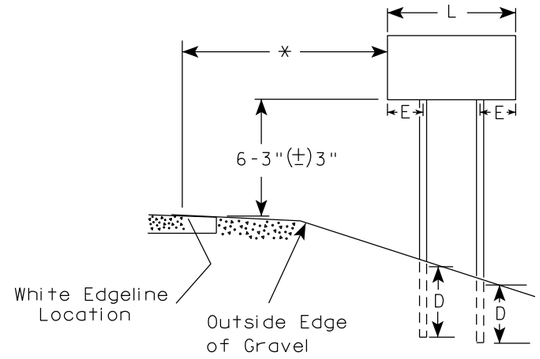
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

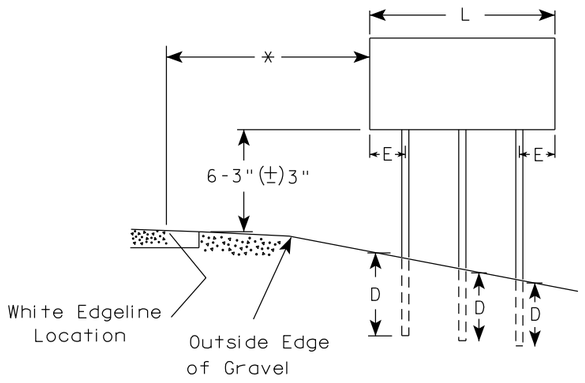
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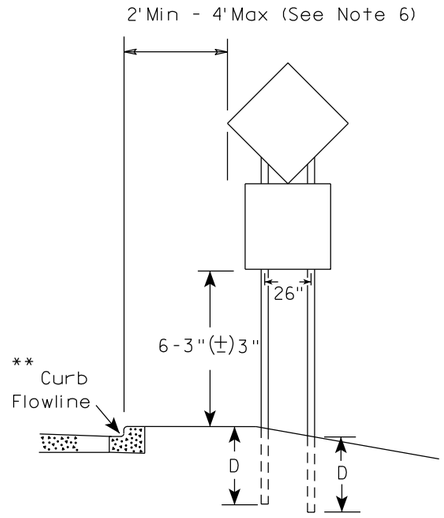
URBAN AREA



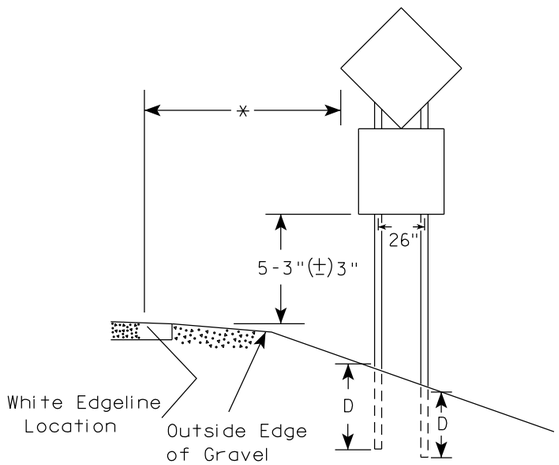
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 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'

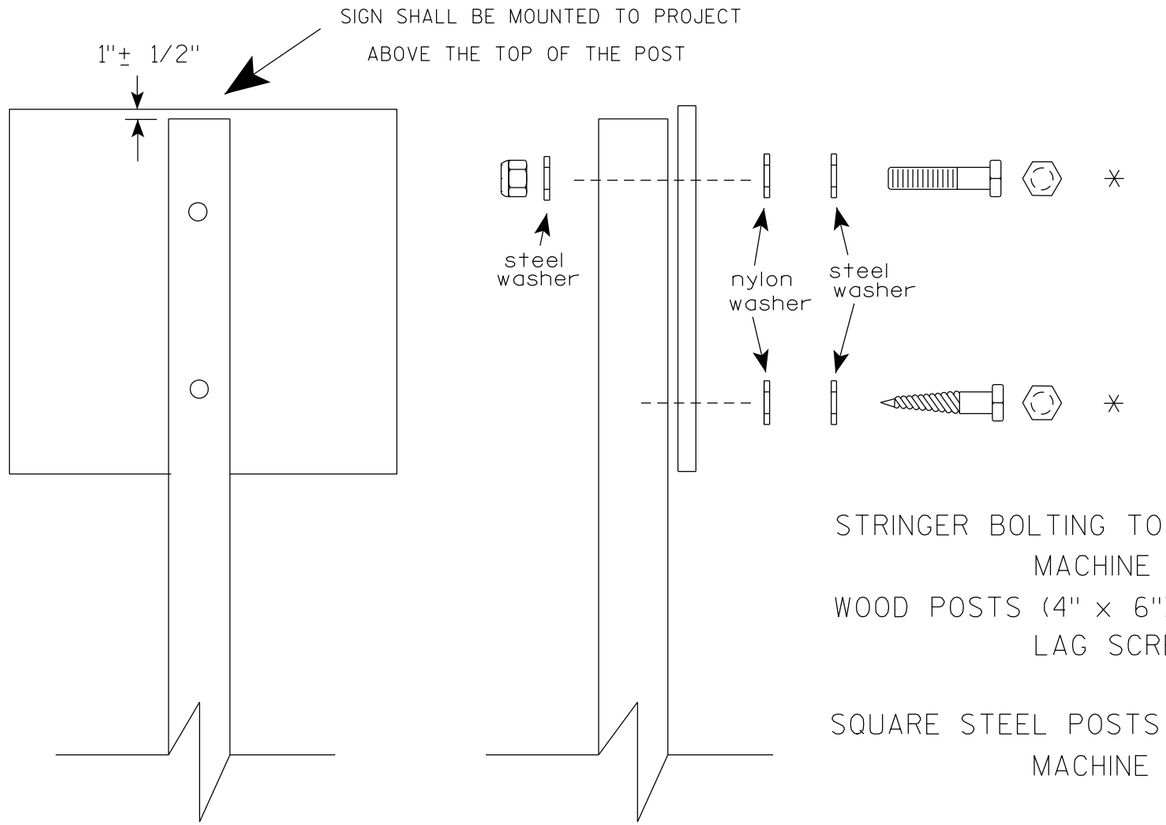
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 269	E



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

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

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

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

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

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

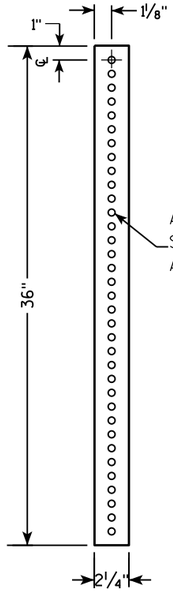
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

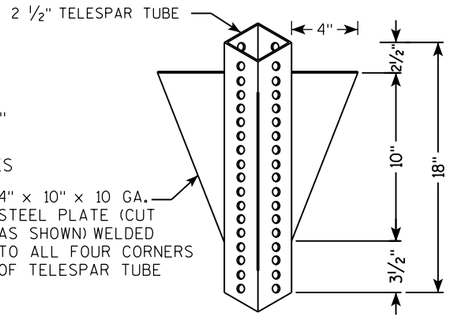
SHEET NO: 270 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

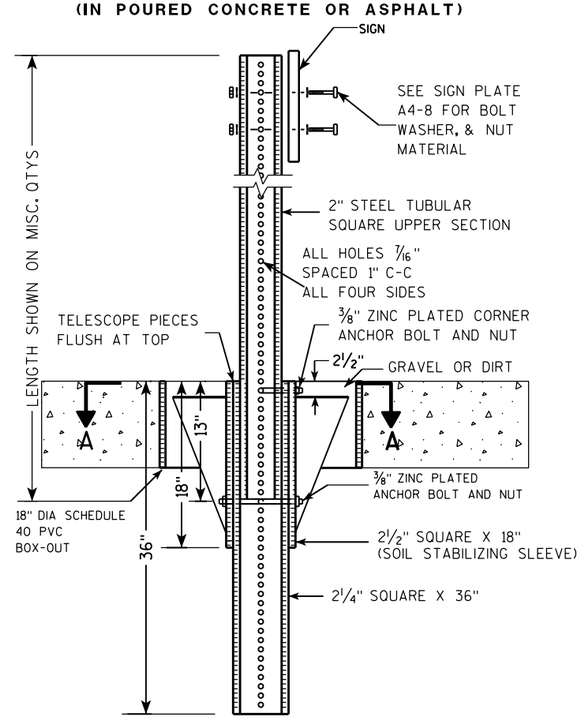
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



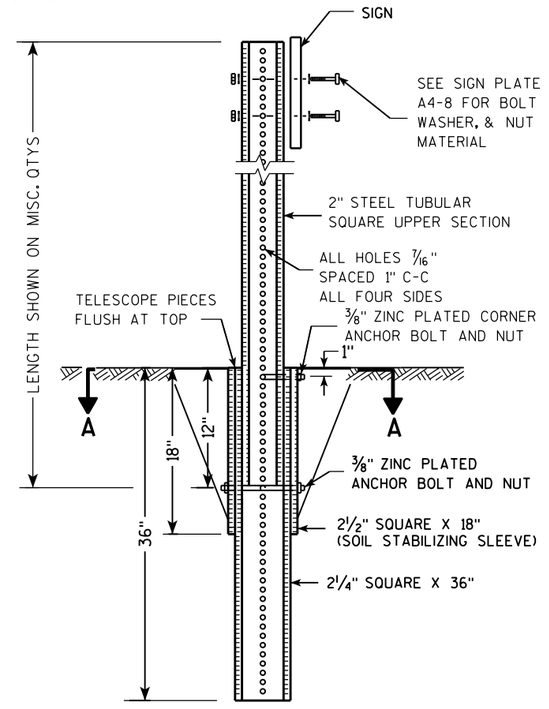
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

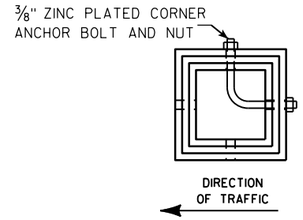


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

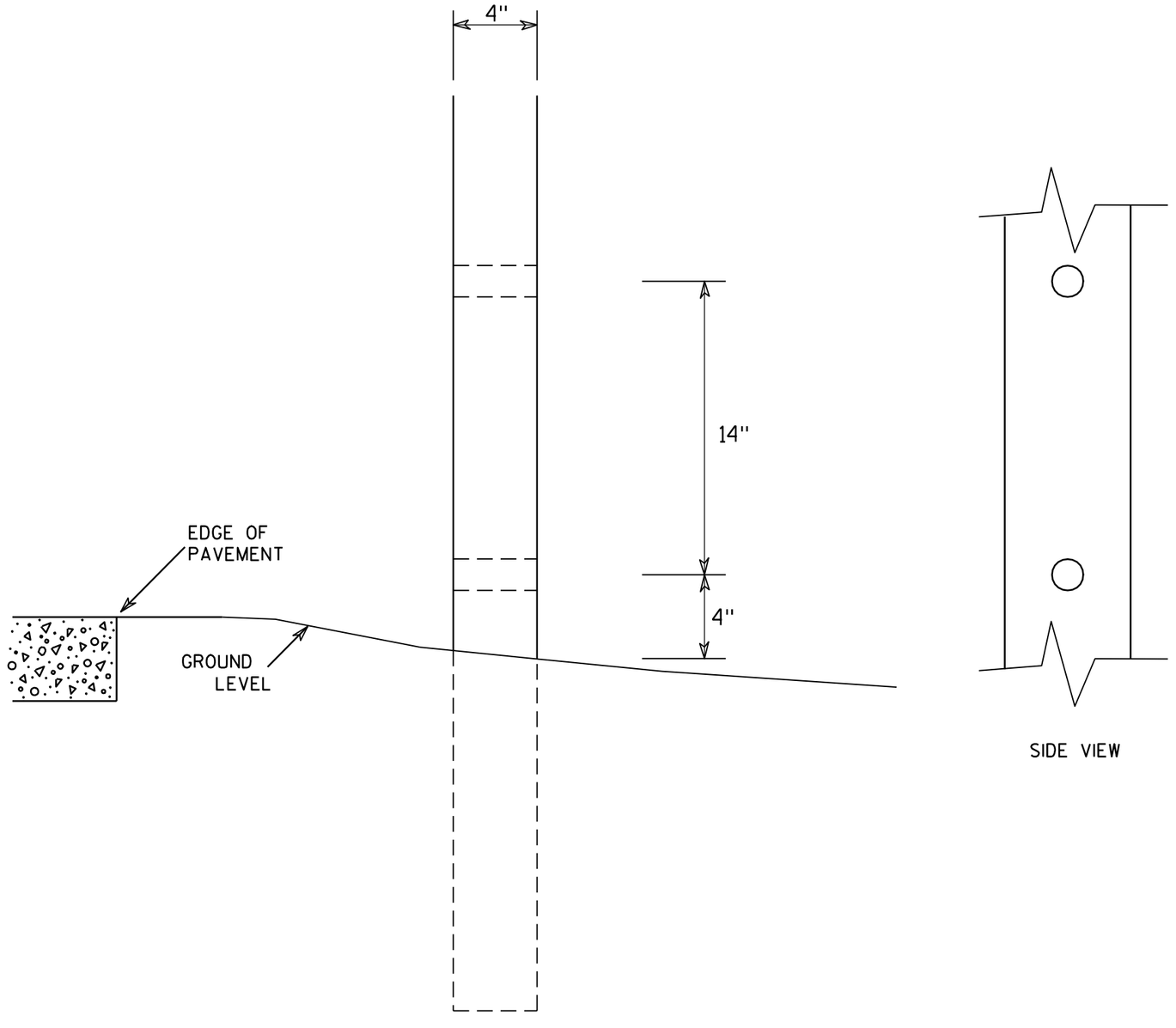
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 271 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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

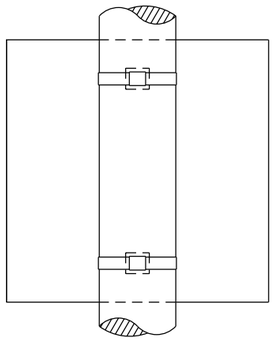
APPROVED Chester J Spang for State Traffic Engineer

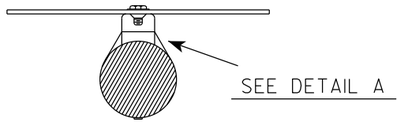
DATE 3/27/97 PLATE NO. A4-11.2

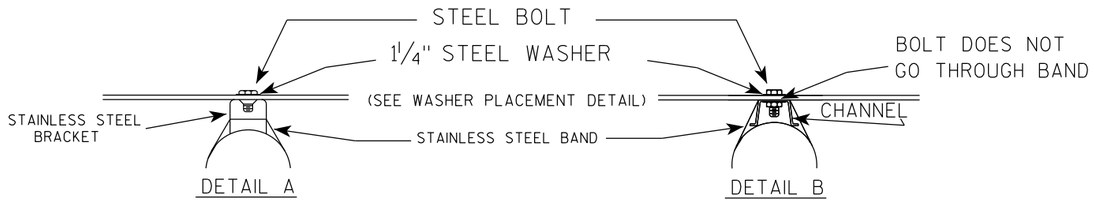
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 272	E

BANDING

SINGLE SIGN



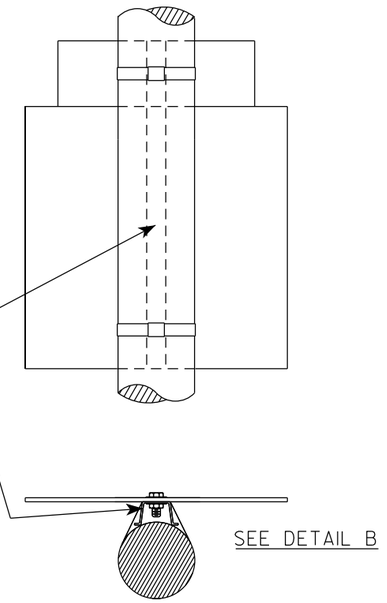




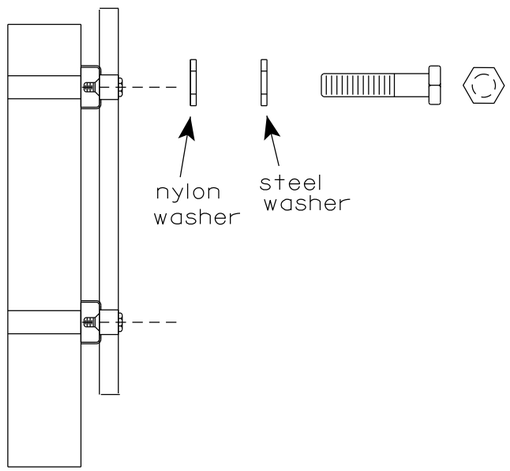
GENERAL NOTES

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

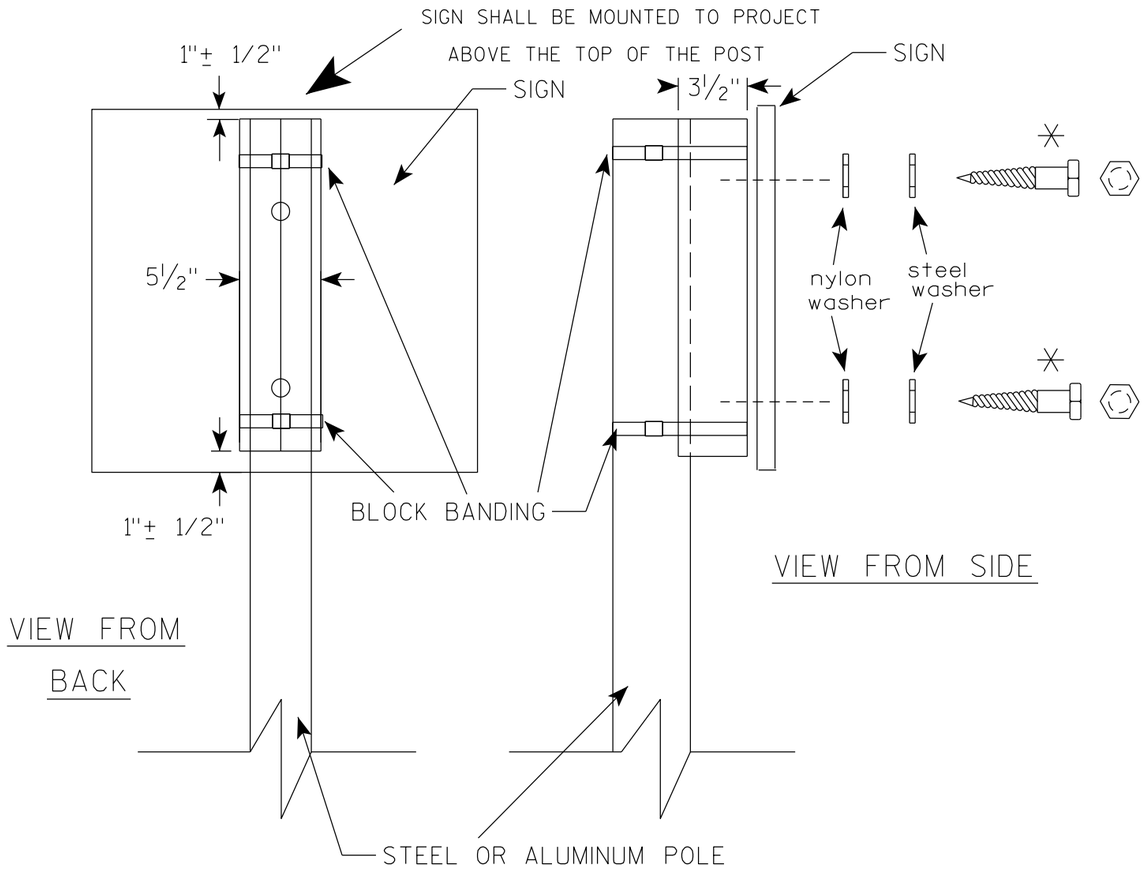
DATE 6/10/19 PLATE NO. A5-9.4

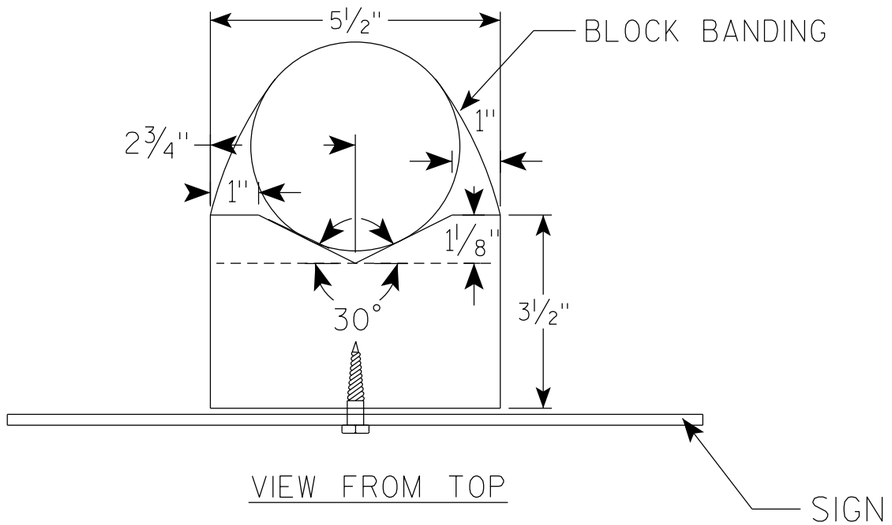
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E

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

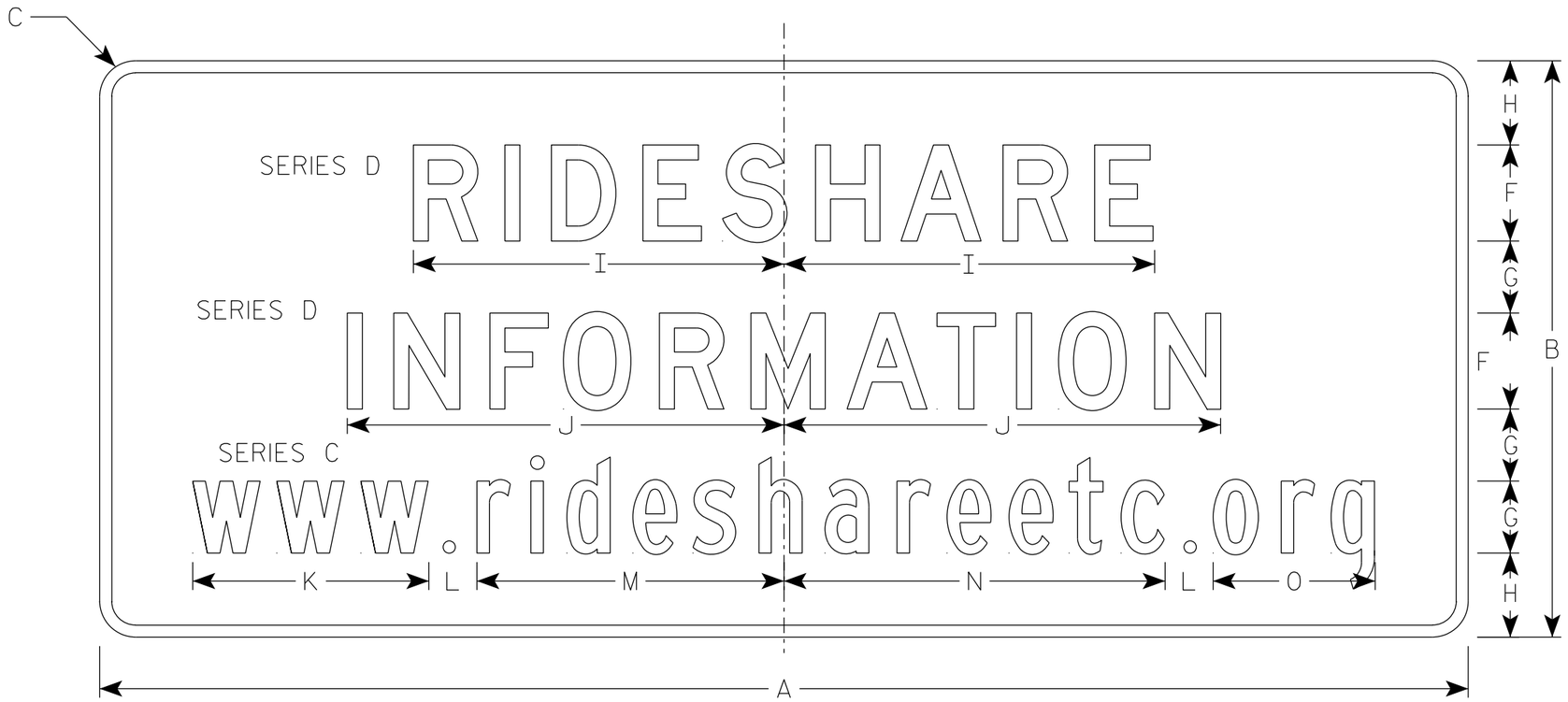
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 274 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - Lines 1 & 2 are Series D and Line 3 is Series C



D12-2B

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	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
2M	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
3	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
4	114	48	3		1	8	6	7	30 7/8	36 3/8	19 3/4	4 1/4	25 5/8	31 3/4	13 1/2												38.0
5	114	48	3		1	8	6	7	30 7/8	36 3/8	19 3/4	4 1/4	25 5/8	31 3/4	13 1/2												38.0

STANDARD SIGN
D12-2B

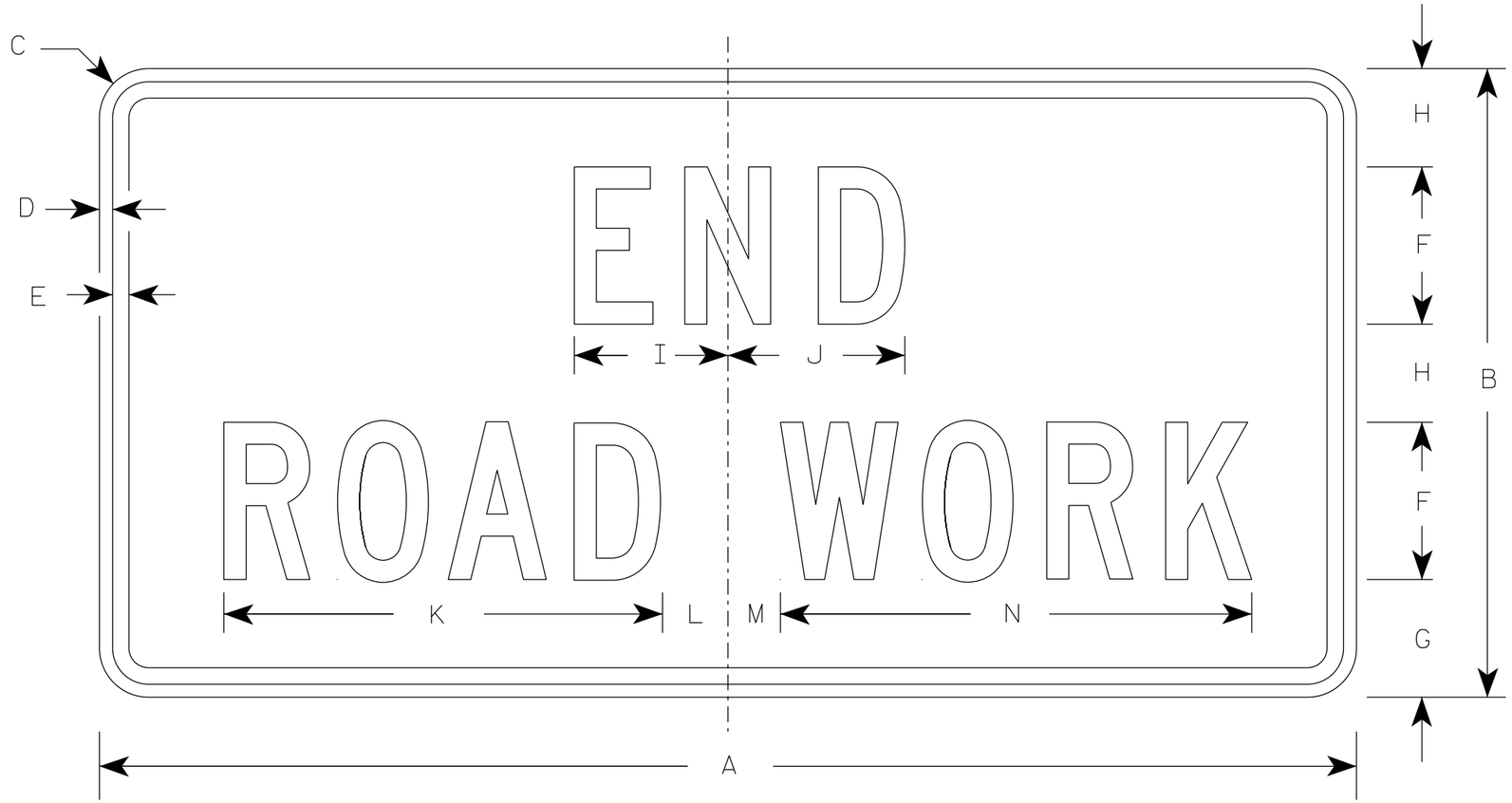
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/6/24 PLATE NO. D12-2B.4

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

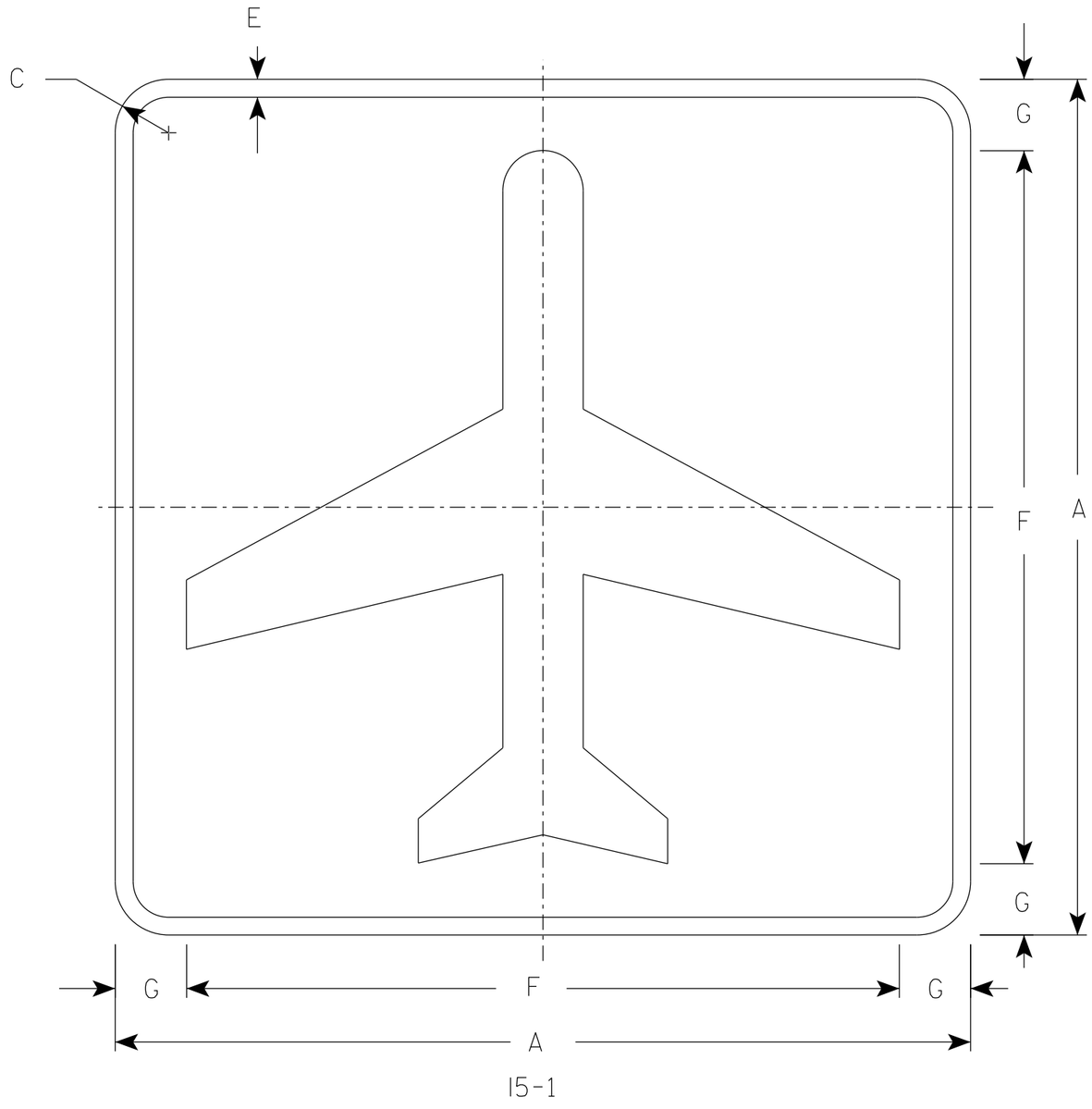
WISCONSIN DEPT OF TRANSPORTATION

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



I5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2		3/8	15	1 1/2																				2.25
2	24		1 1/2		1/2	20	2																				4.0
2M	24		1 1/2		1/2	20	2																				4.0
3	30		1 7/8		3/4	25	2 1/2																				6.25
4																											
5																											

STANDARD SIGN
I5-1

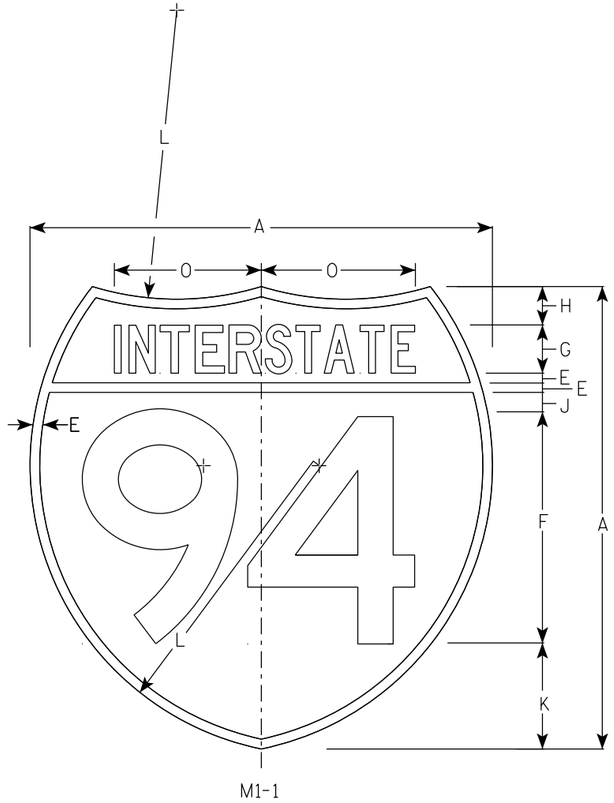
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

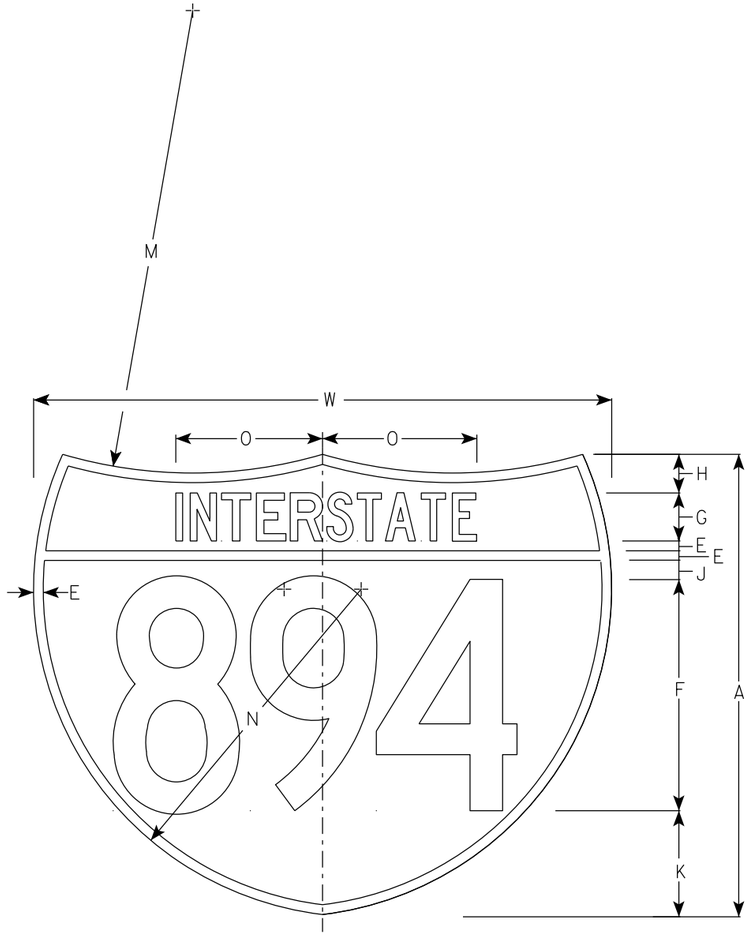
DATE 1/26/2023 PLATE NO. I5-1.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 277 E

7



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

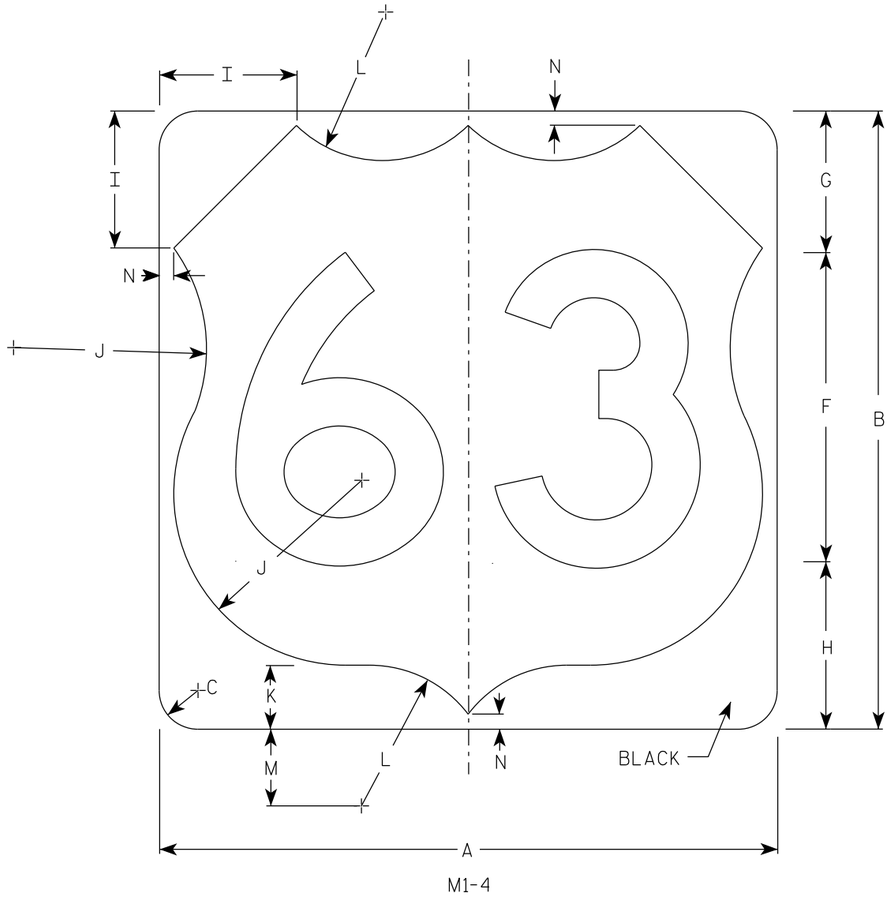
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

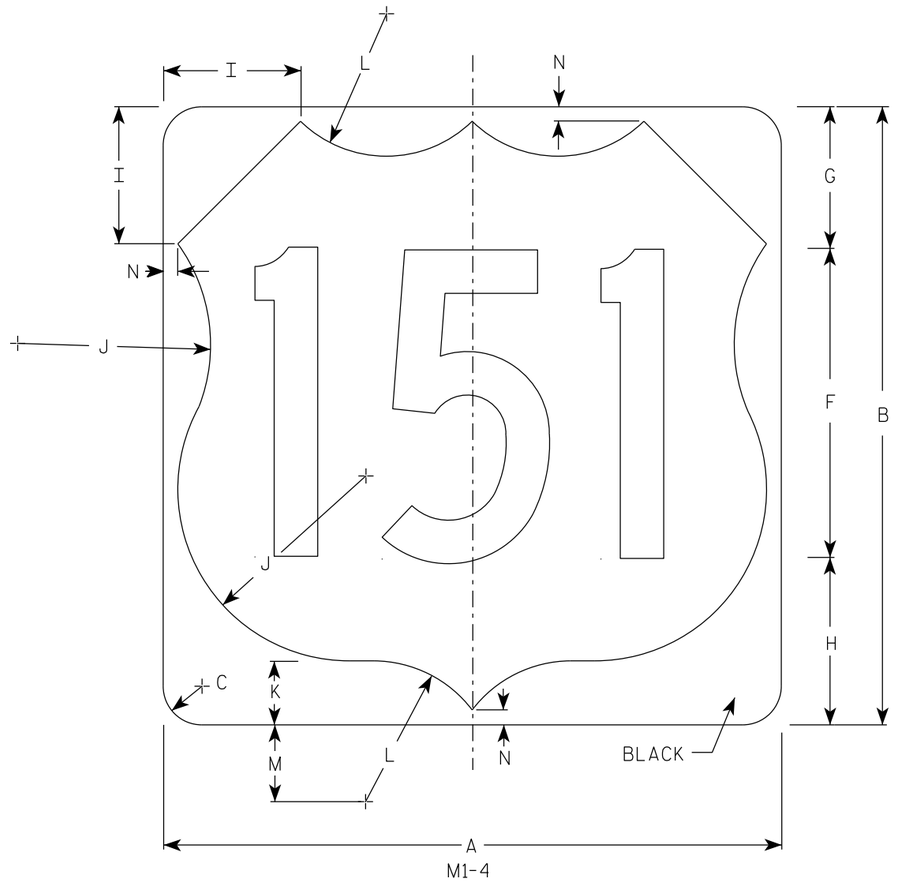
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
2M	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

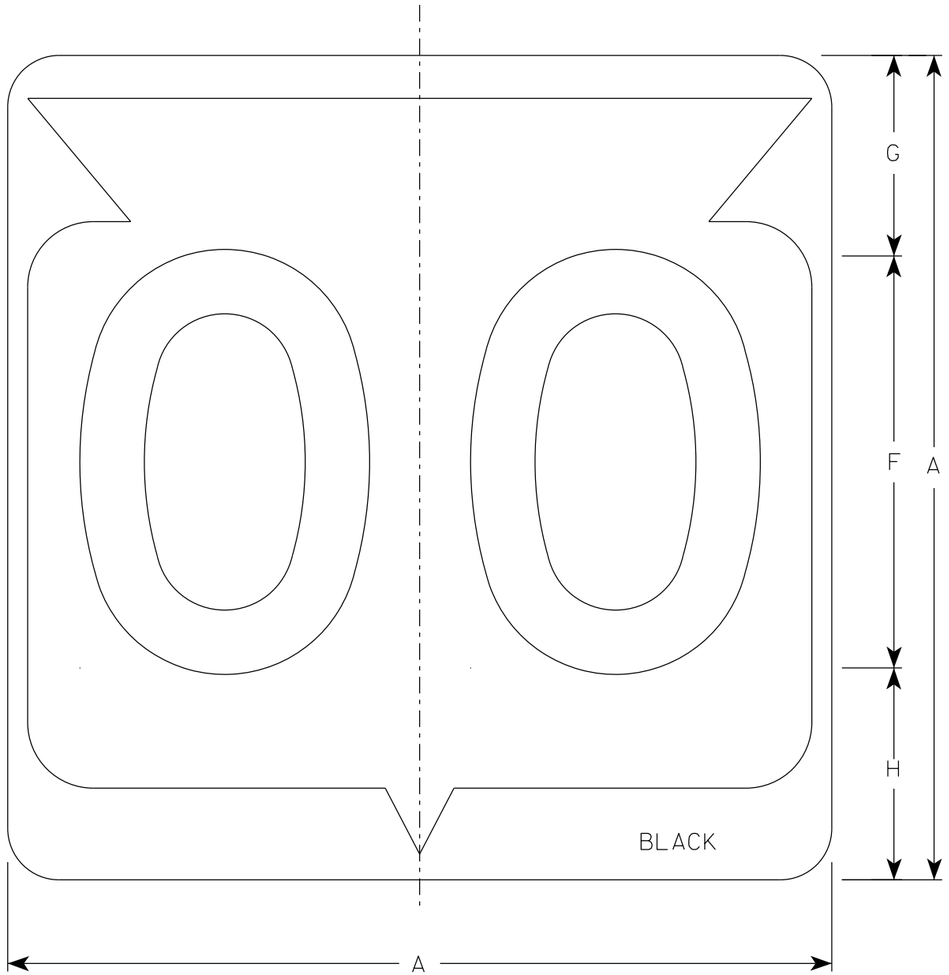
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

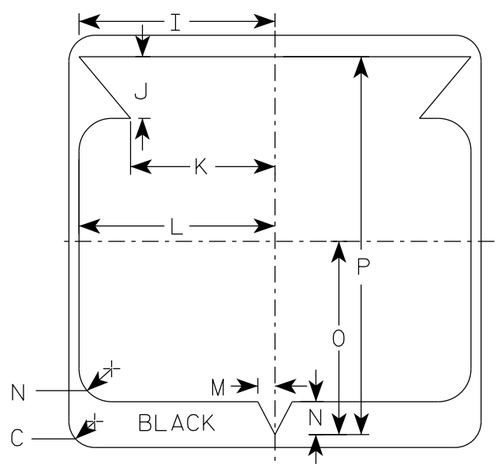
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 279 E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



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

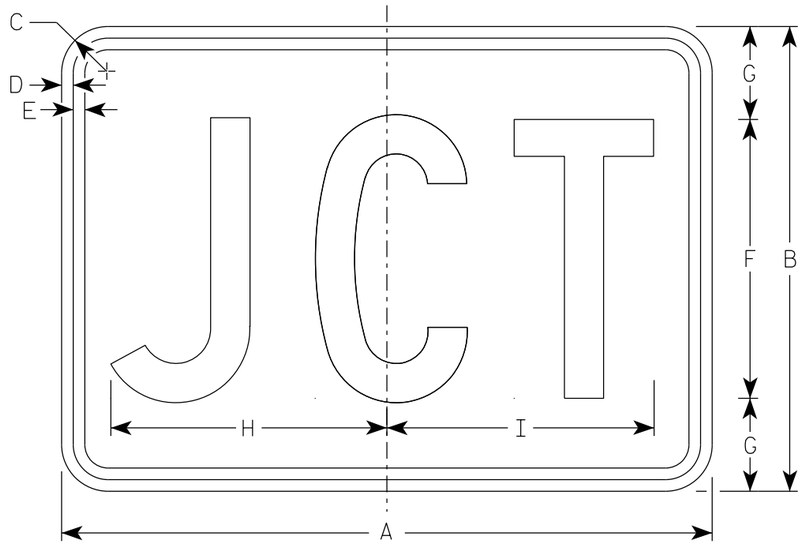
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

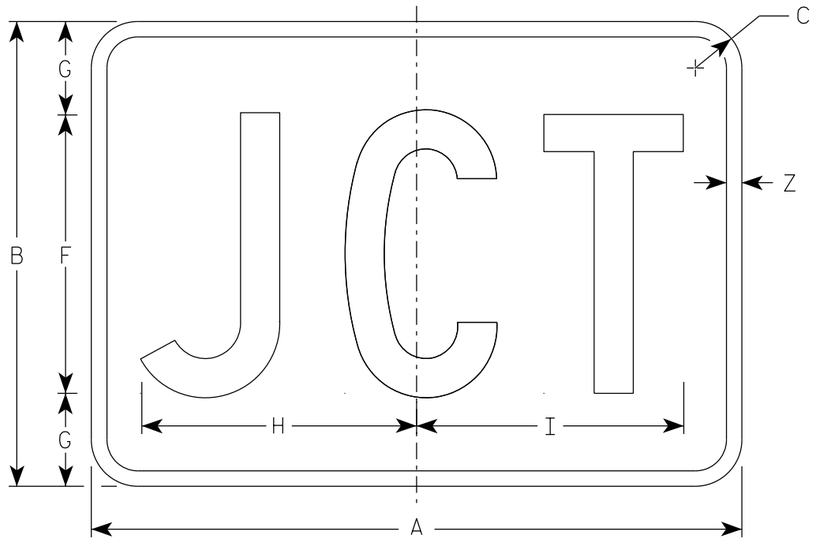
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 280	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

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	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

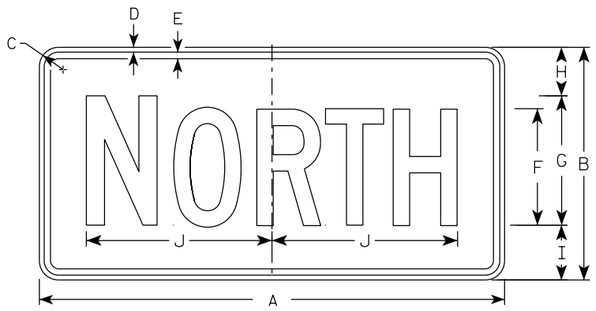
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

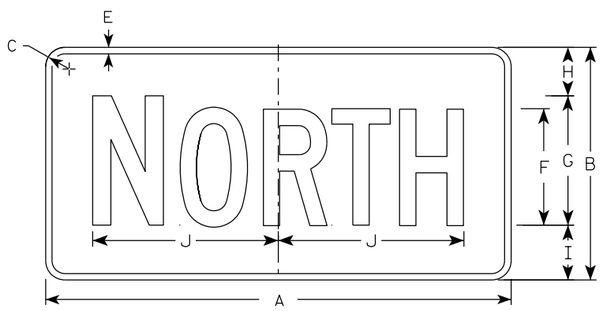
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

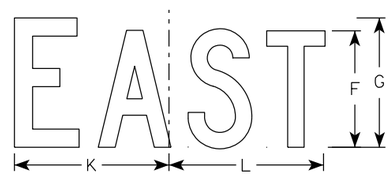
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E



M3-1
MM3-1
MP3-1



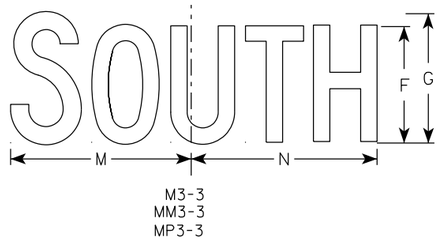
MB3-1
MK3-1
MN3-1



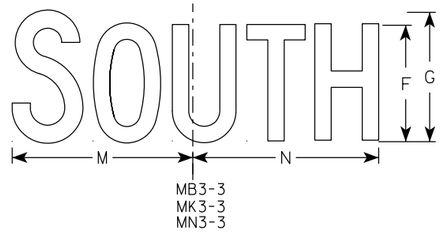
M3-2
MM3-2
MP3-2



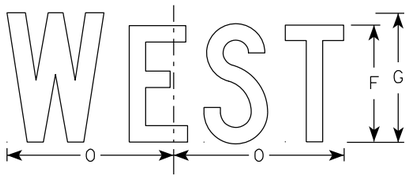
MB3-2
MK3-2
MN3-2



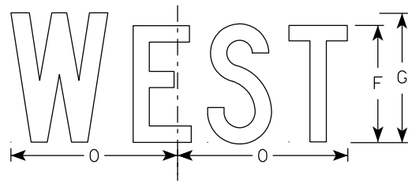
M3-3
MM3-3
MP3-3



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

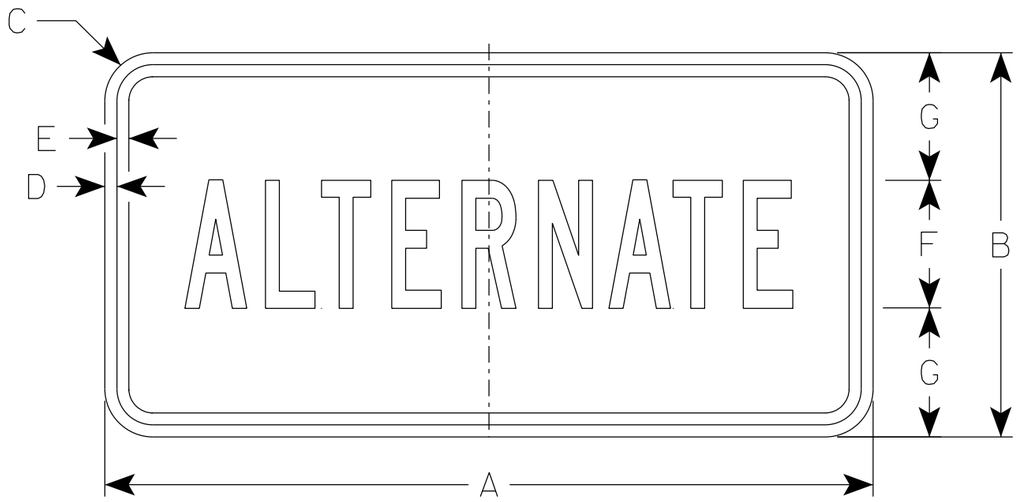
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

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: 282 | E



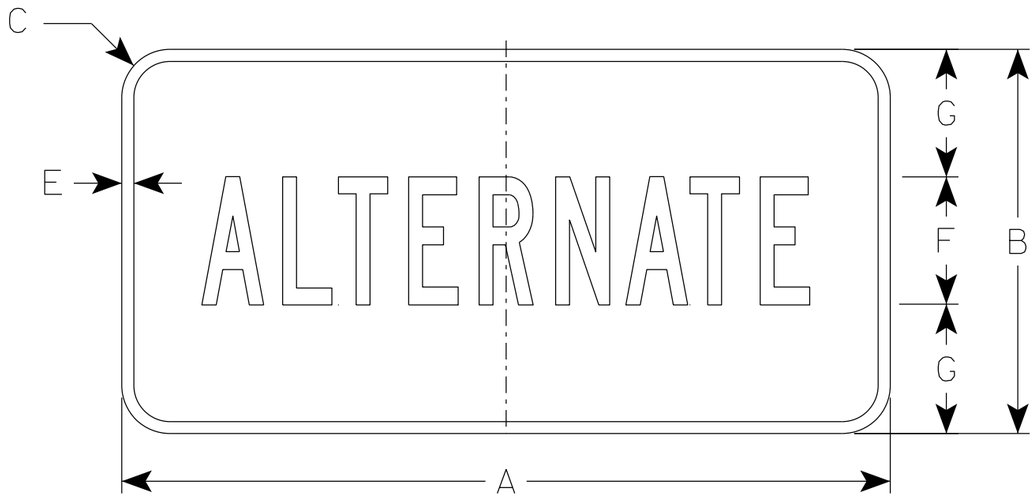
M4-1
MO4-1

NOTES

1. Sign is Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
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.
5. M4-1 Background - White
   Message - Black

   MB4-1 Background - Blue
   Message - White

   MO4-1 Background - Orange - Type F Reflective
   Message - Black



MB4-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
2M	24	12	1 1/2	3/8	3/8	4	4	9 3/4	9 1/2																		2.00
3	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	7	5 1/2	16 3/8	16 1/2																		4.5

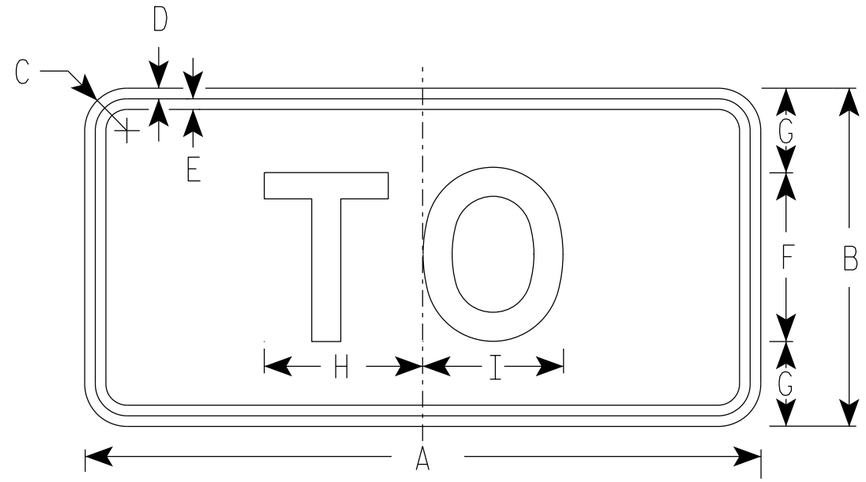
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

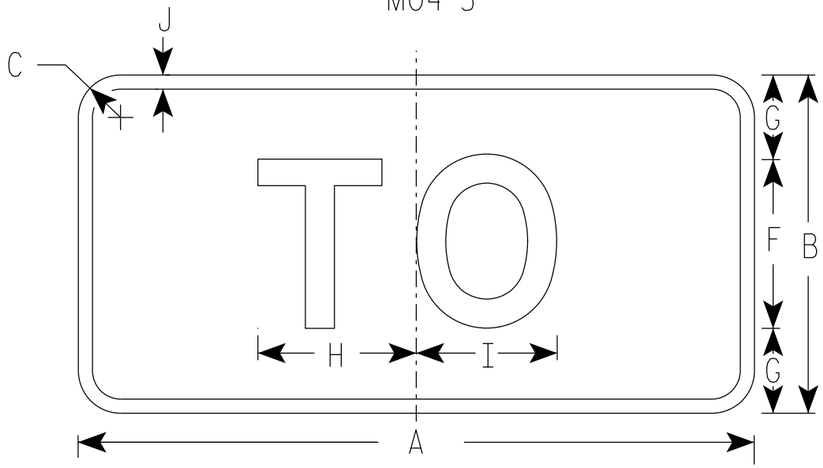
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 283 | 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

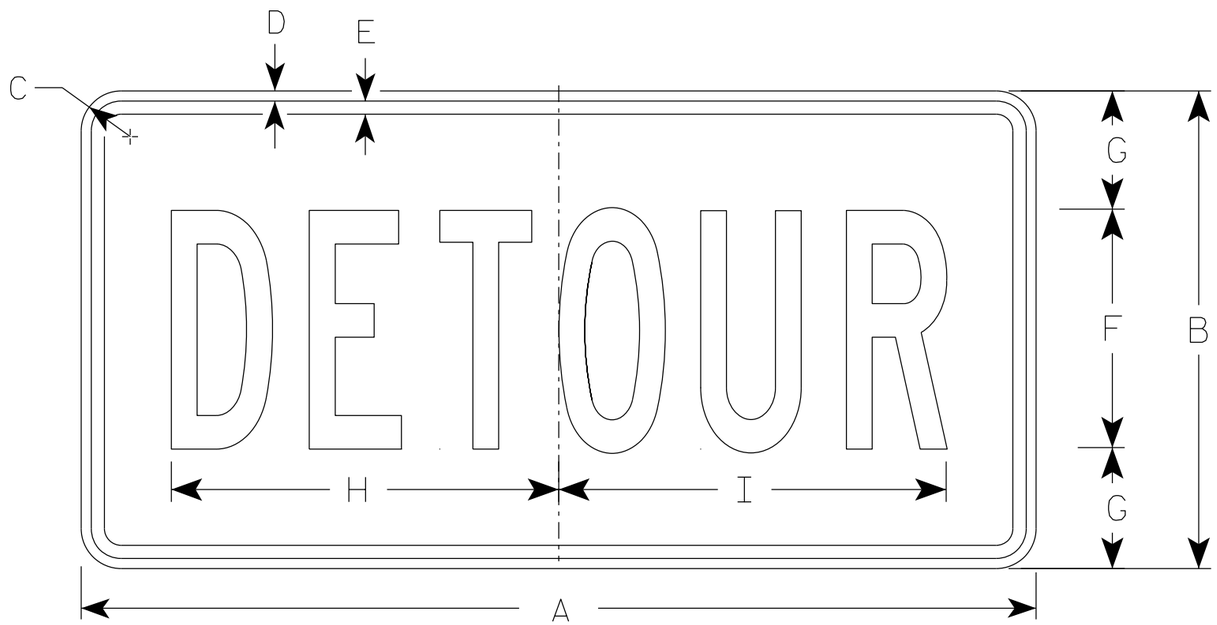
DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 284 E

7

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

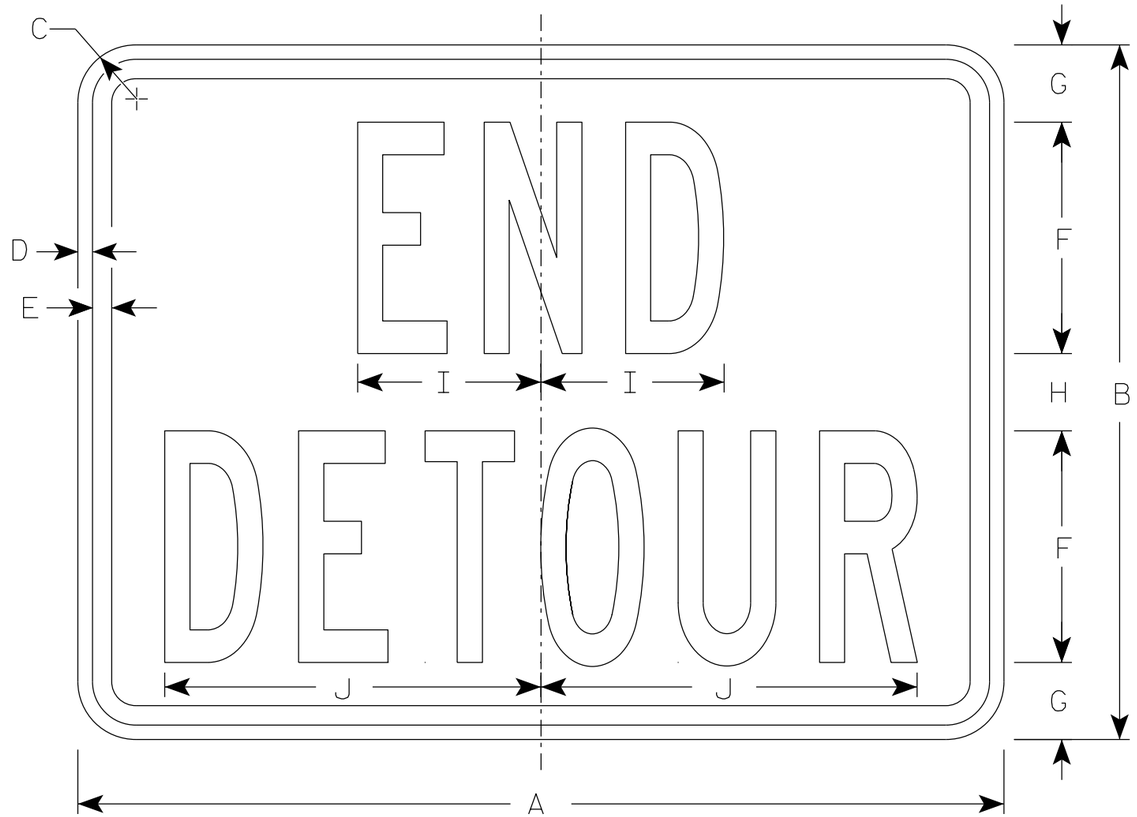
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn PLOT DATE : 9-FEB 2023 7:38 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

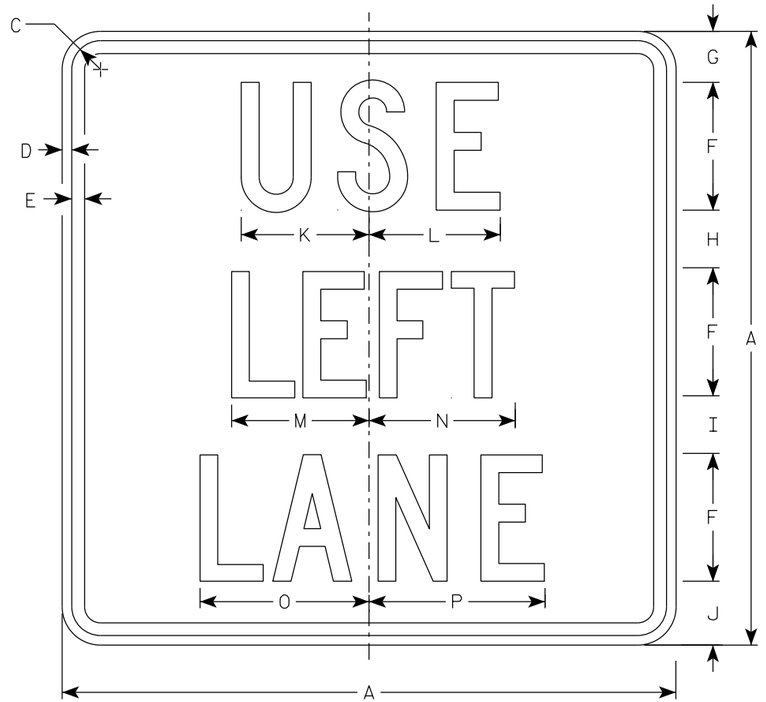
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

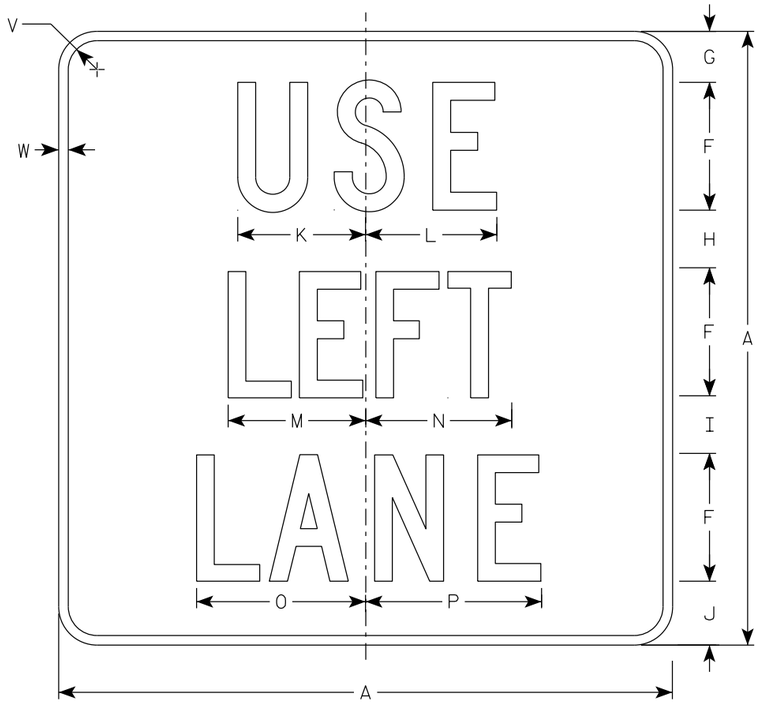
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

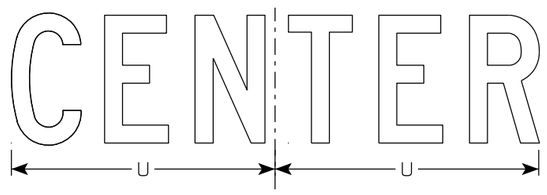
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 | E



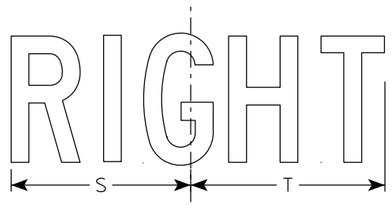
M4-20L
MM4-20L
MO4-20L
MP4-20L



MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
MO4-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
MO4-20R
MP4-20R
MR4-20R

NOTES

1. Sign is Type II - Type H except as Shown
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. M4-20 Background - White
   Message - Black
   MB4-20 Background - Blue
   Message - White
   MK4-20 Background - Green
   Message - White
   MM4-20 Background - White
   Message - Green
   MN4-20 Background - Brown
   Message - White
   MO4-20 Background - Orange - Type F Reflective
   Message - Black
   MP4-20 Background - White
   Message - Blue
   MR4-20 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
2M	24		1 1/2	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
5	36		2 1/4	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0

STANDARD SIGN
M4-20

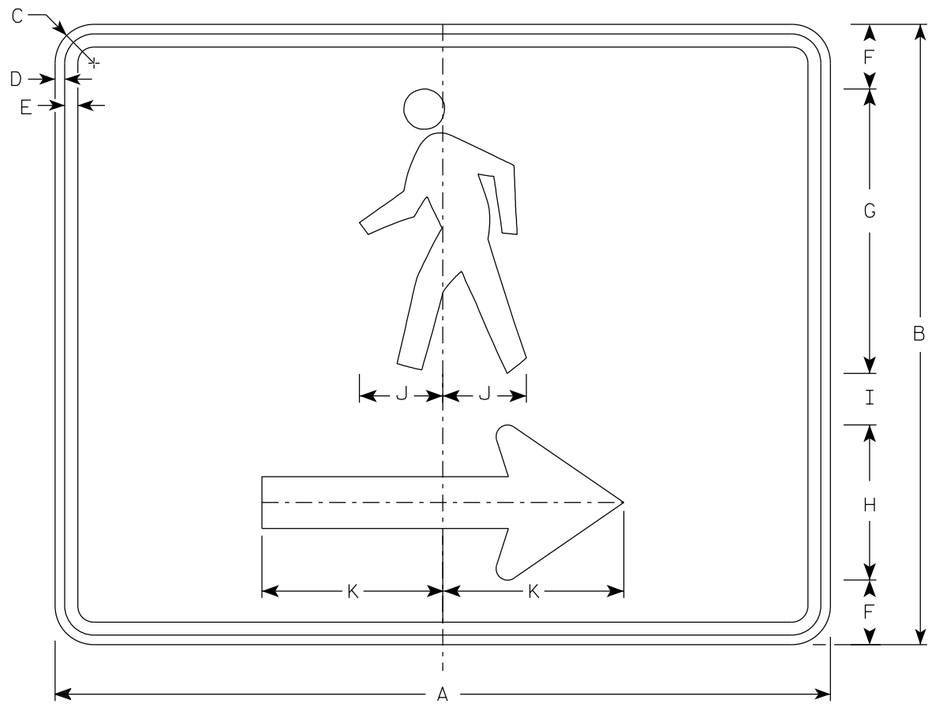
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M4-20.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 287	E

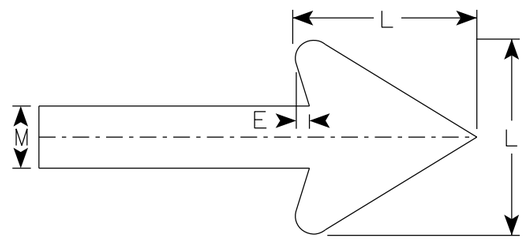
7



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																											

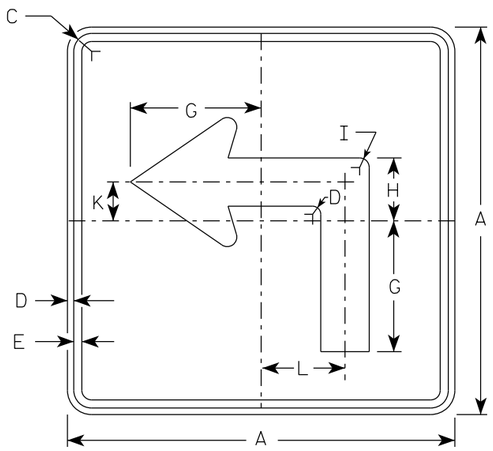
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

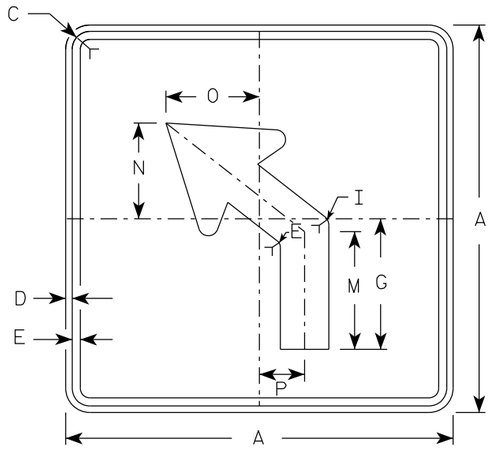
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

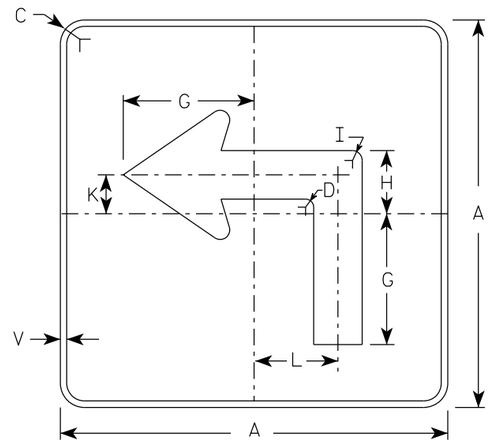
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E



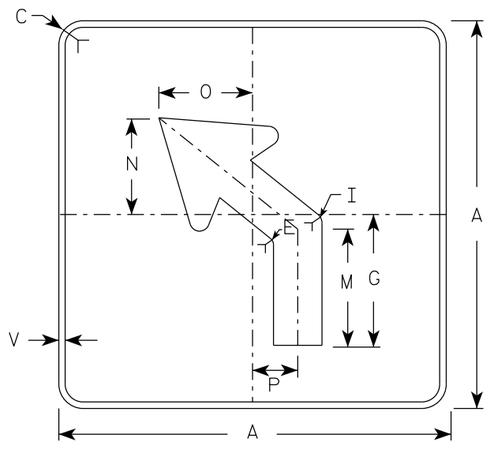
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

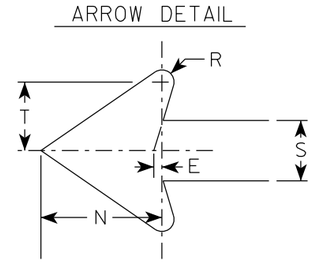


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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

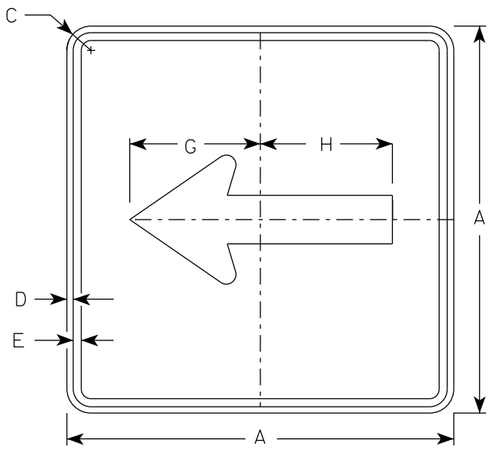
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

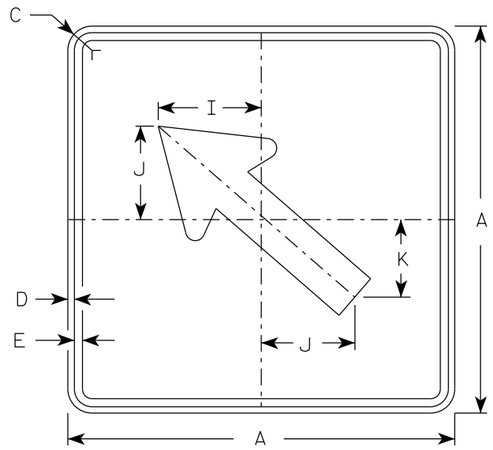
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

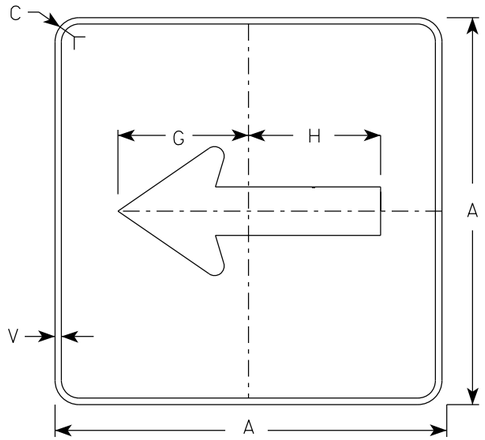
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 289 | E



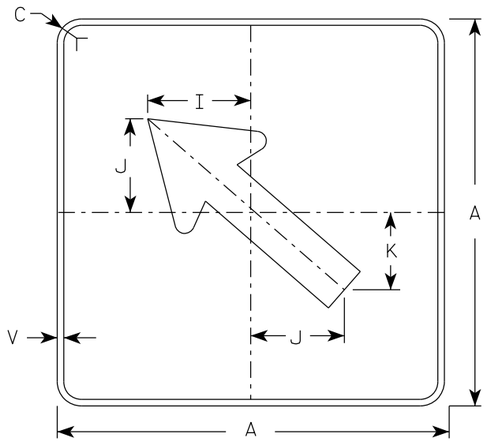
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

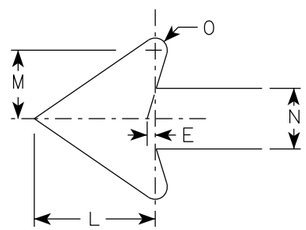


MB6-2
MK6-2
MN6-2
MR6-2

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

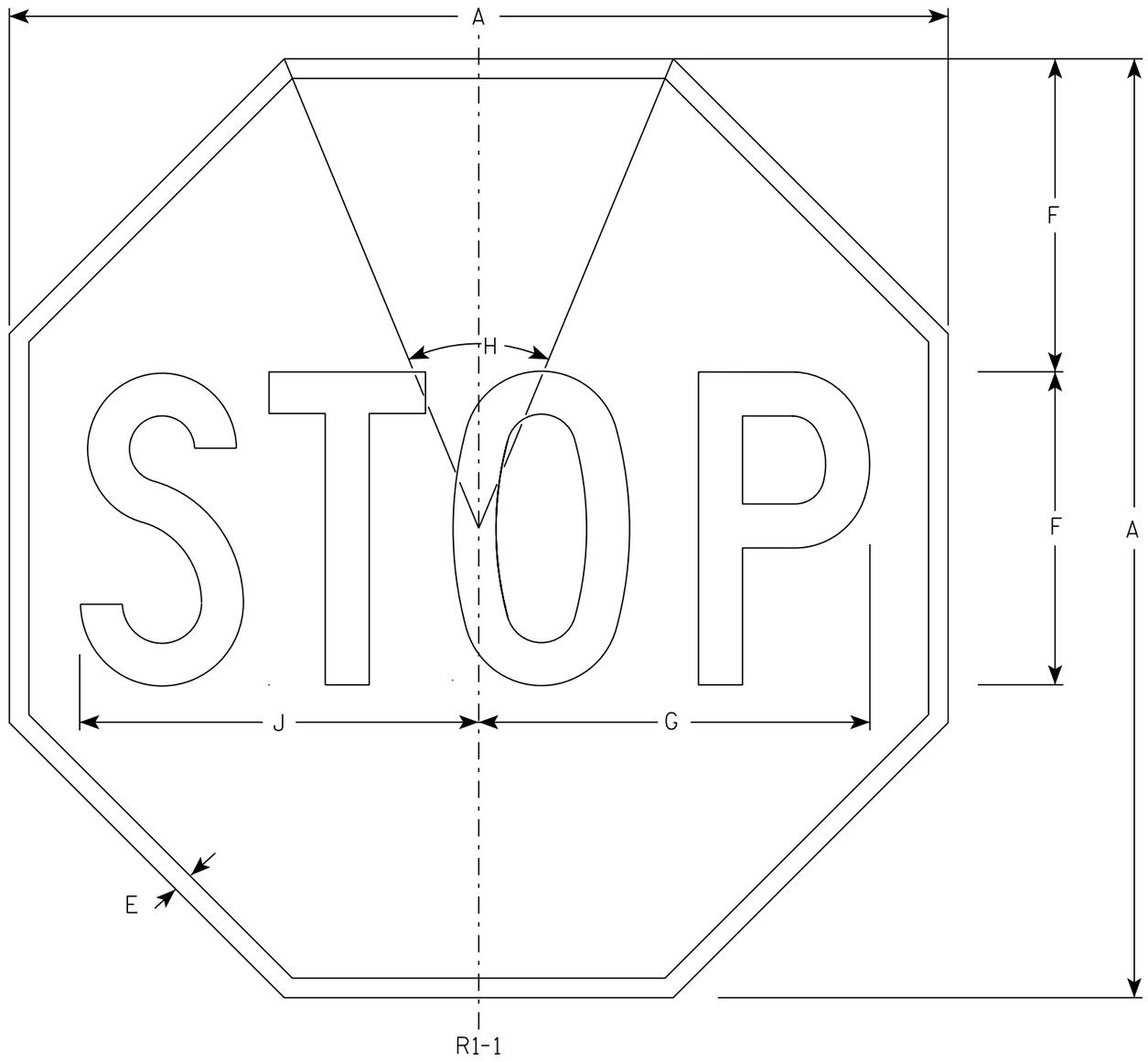
STANDARD SIGN
M6-1 & M6-2
SERIES

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: 290 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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

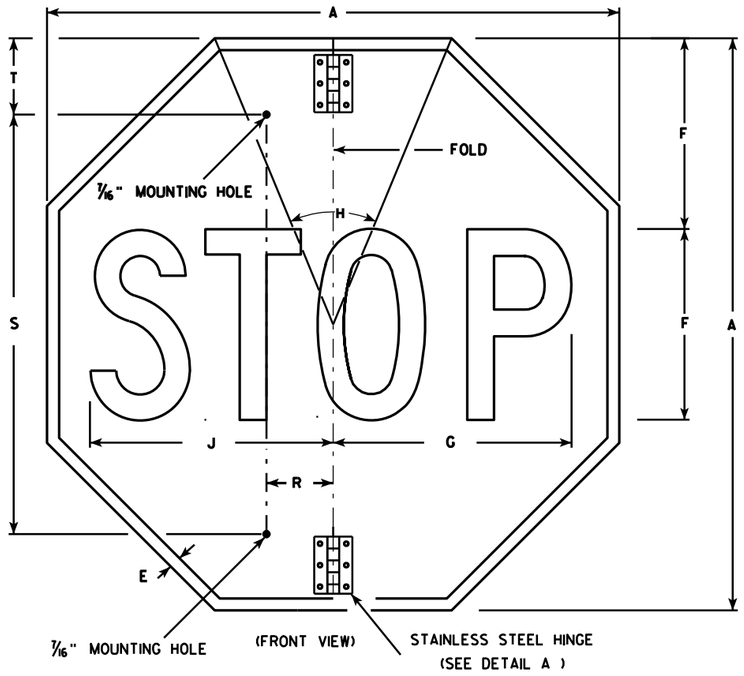
WISCONSIN DEPT OF TRANSPORTATION

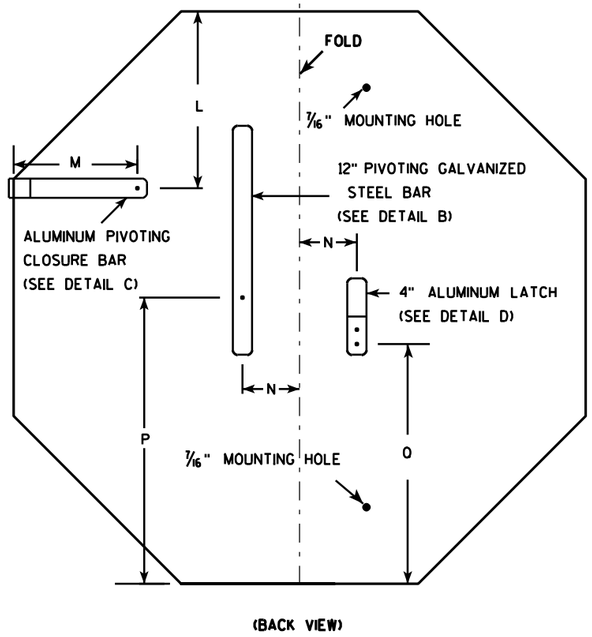
APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

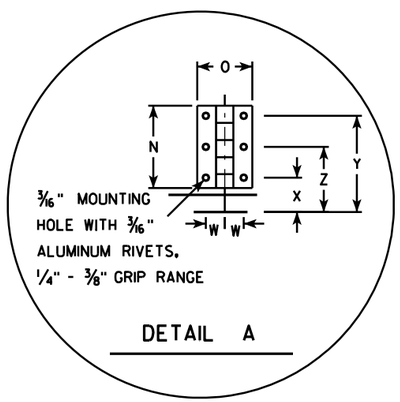
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 291	E



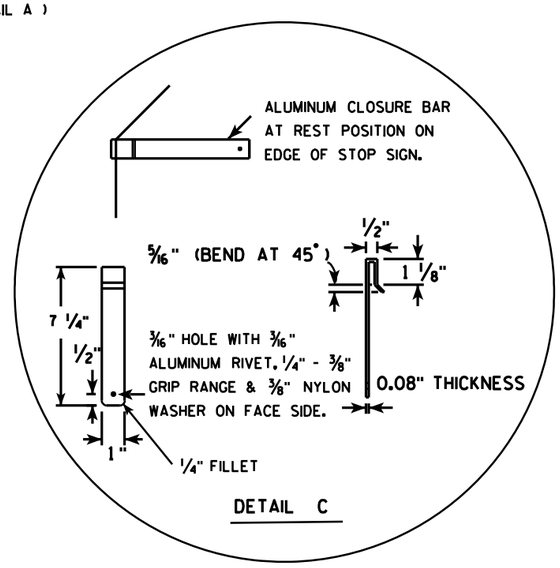


NOTES

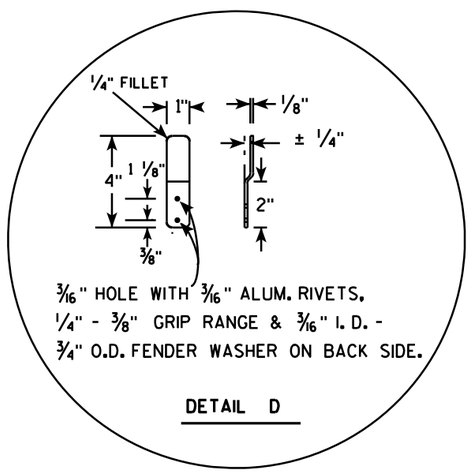
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



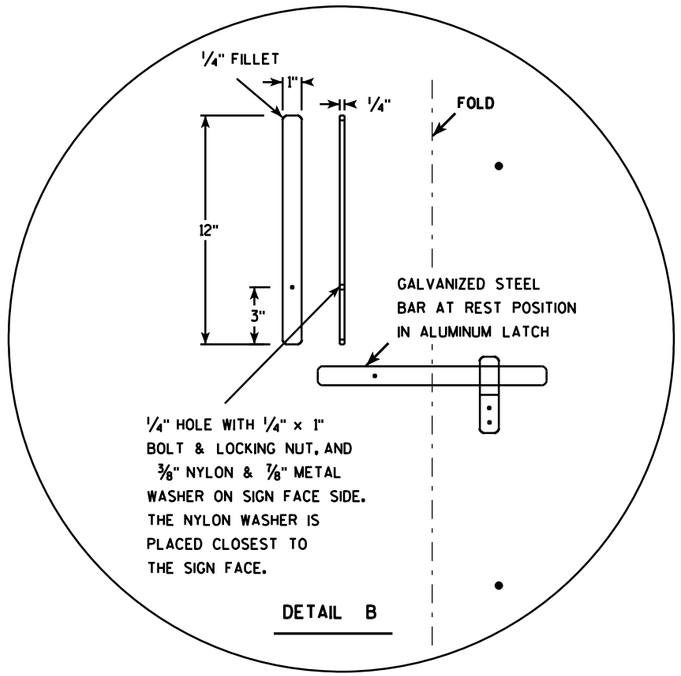
DETAIL A



DETAIL C



DETAIL D



DETAIL B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

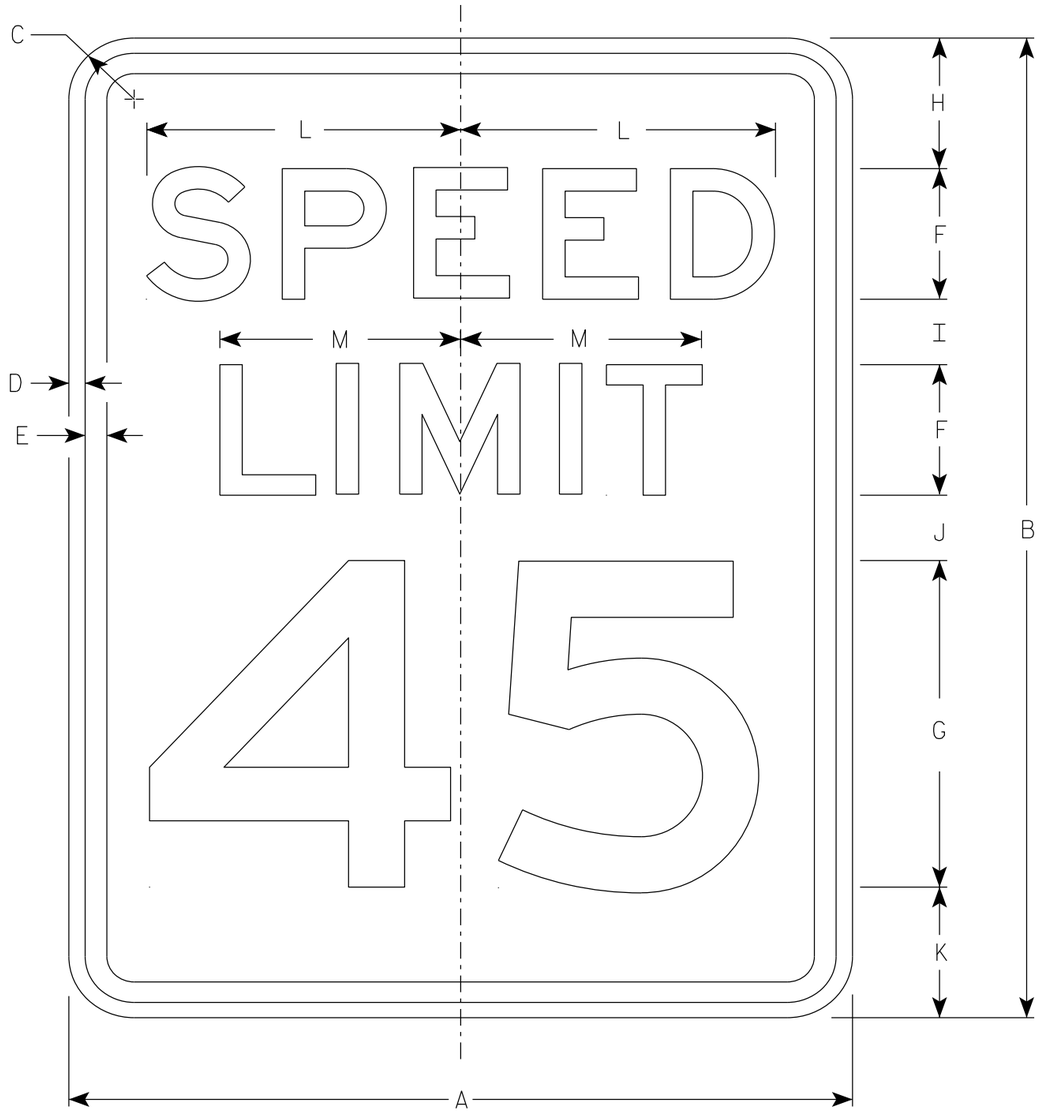
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

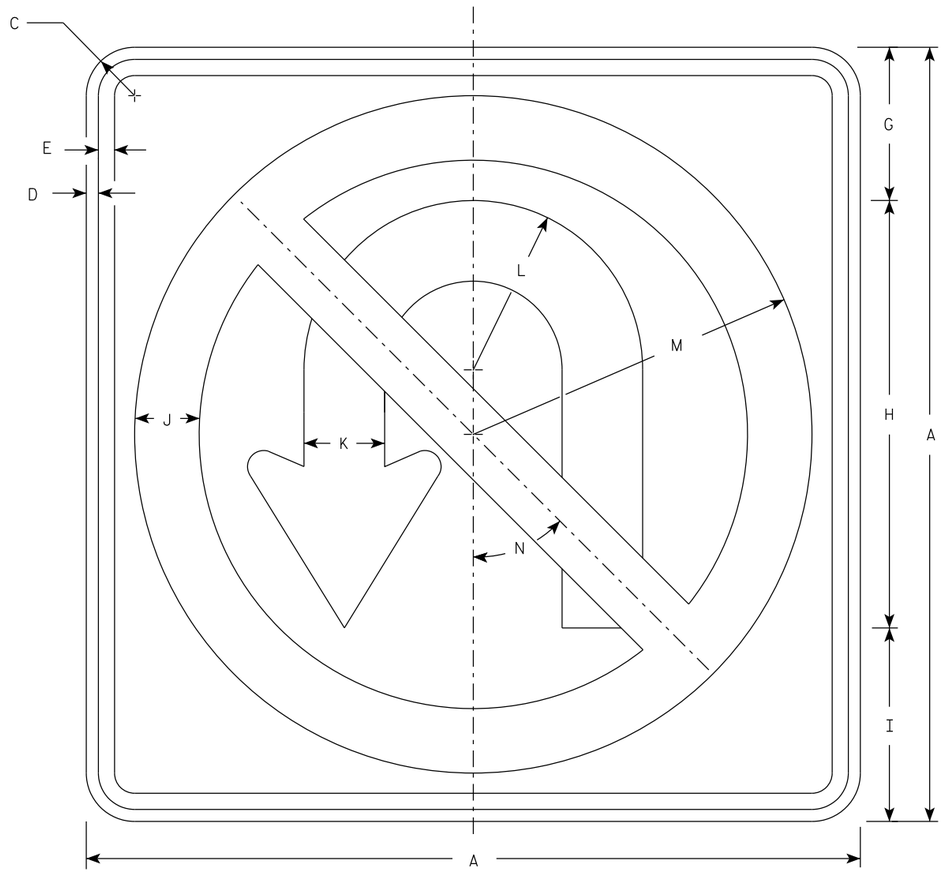
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

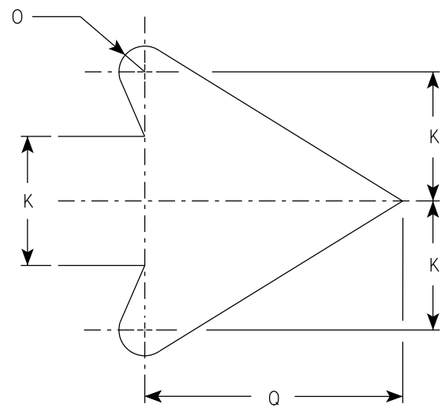
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 293 | E



R3-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

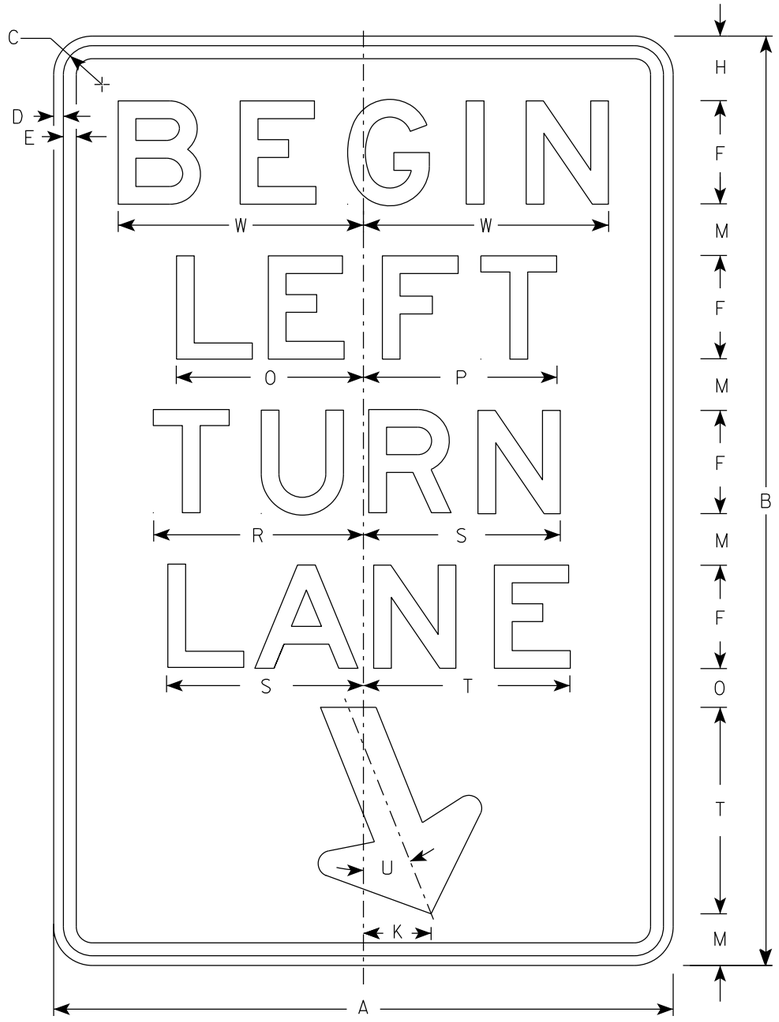
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-4.12

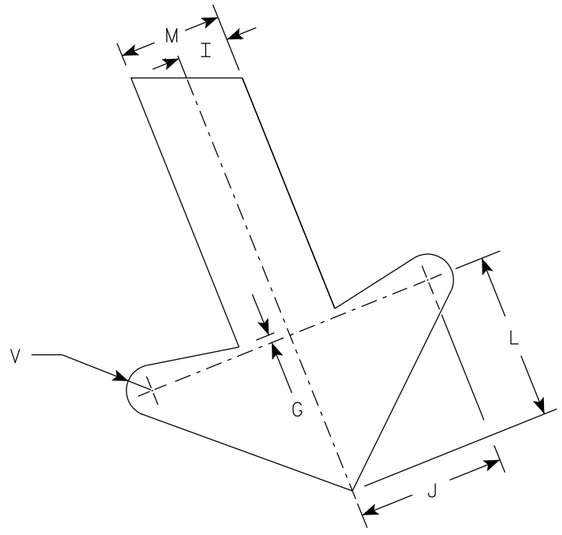
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E



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																											

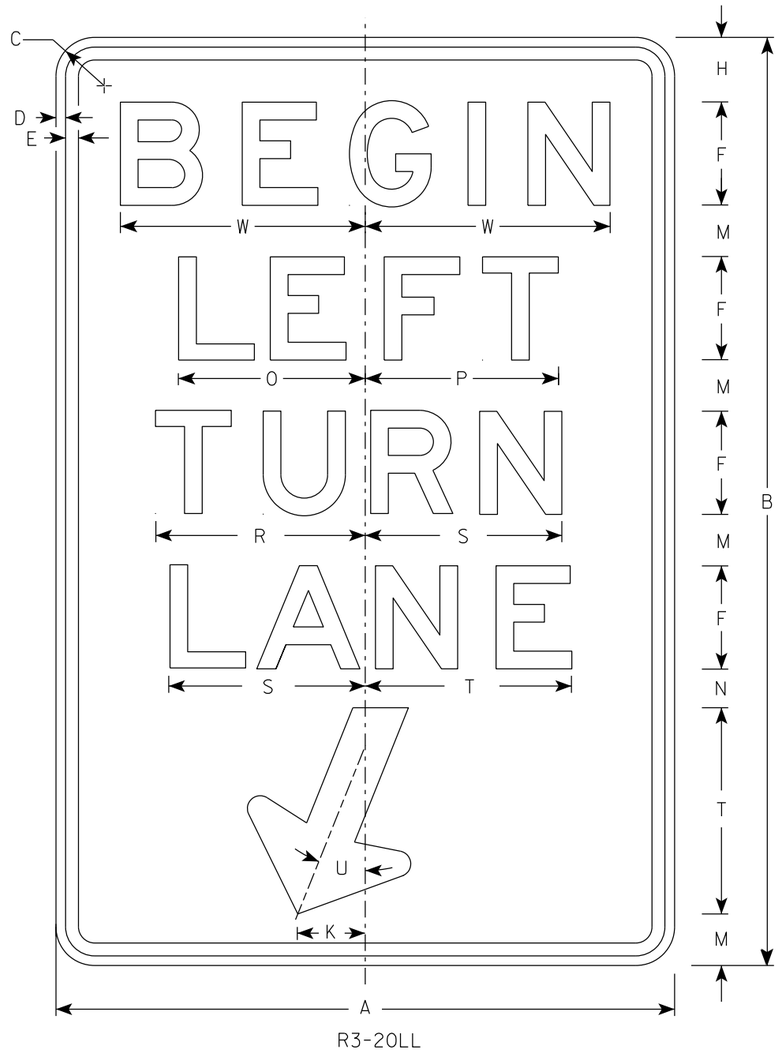
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

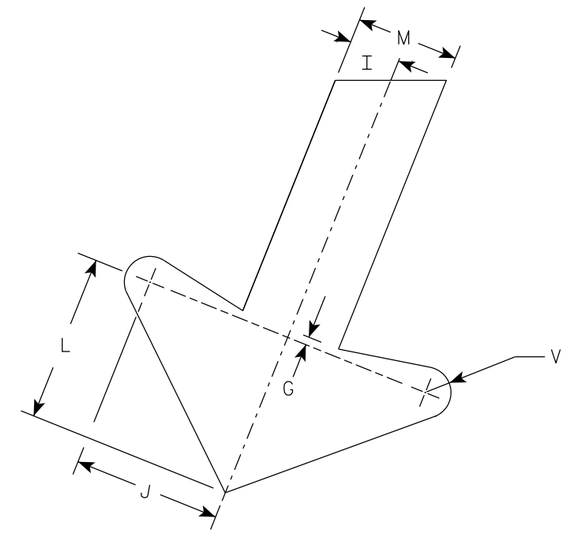
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 295	E



R3-20LL

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																											

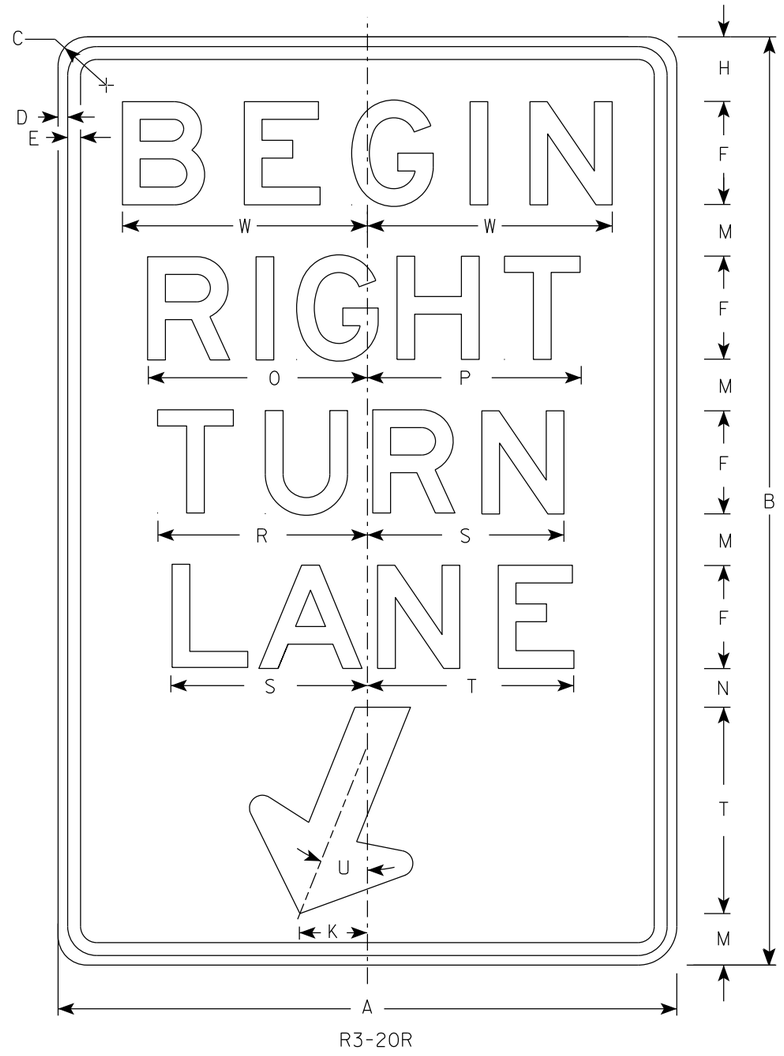
STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20LL.2

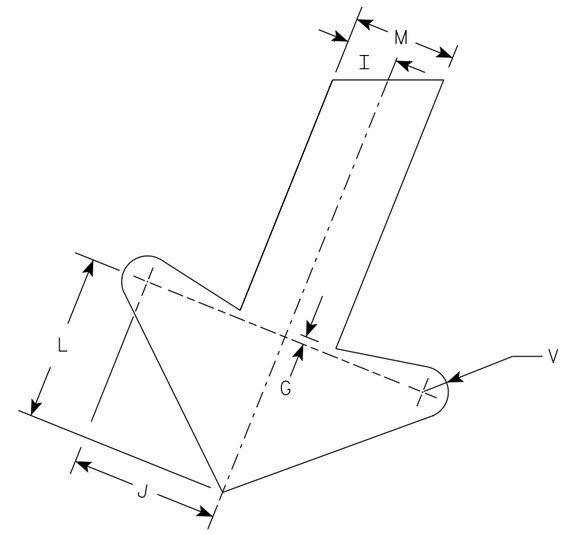
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

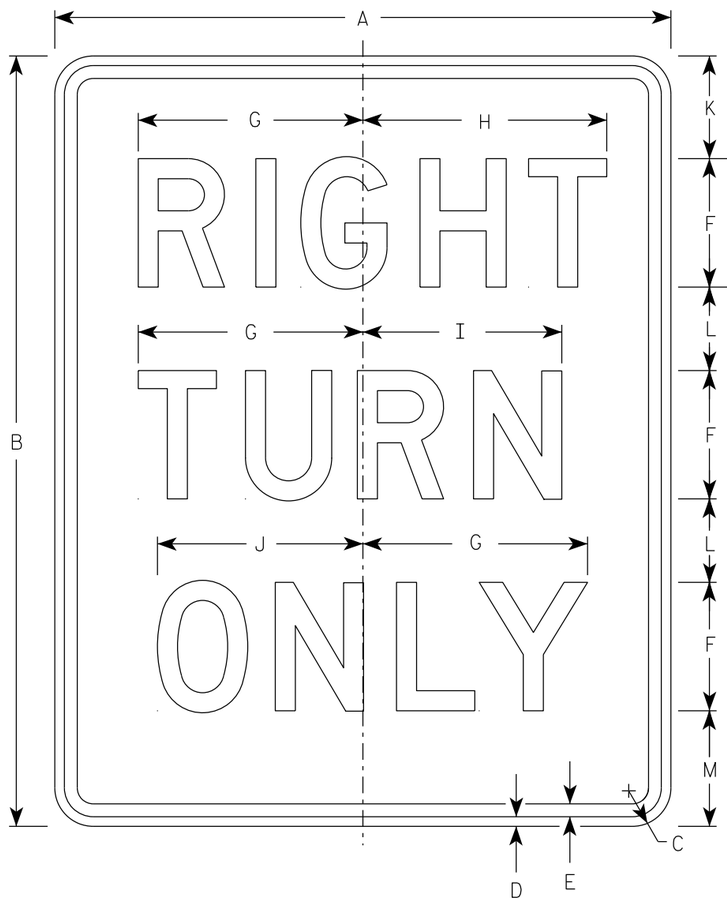
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

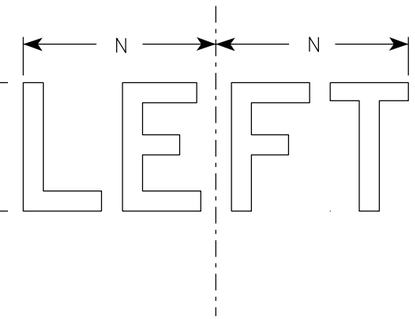
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E



R3-53R



R3-53L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-53L same as R3-53R except LEFT is substituted for RIGHT

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/2	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

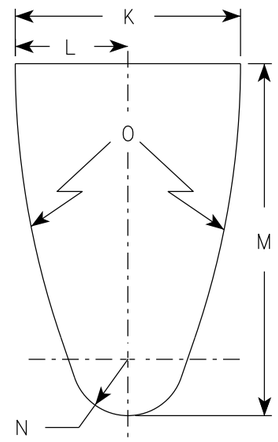
DATE 2/23/23 PLATE NO. R3-53.9

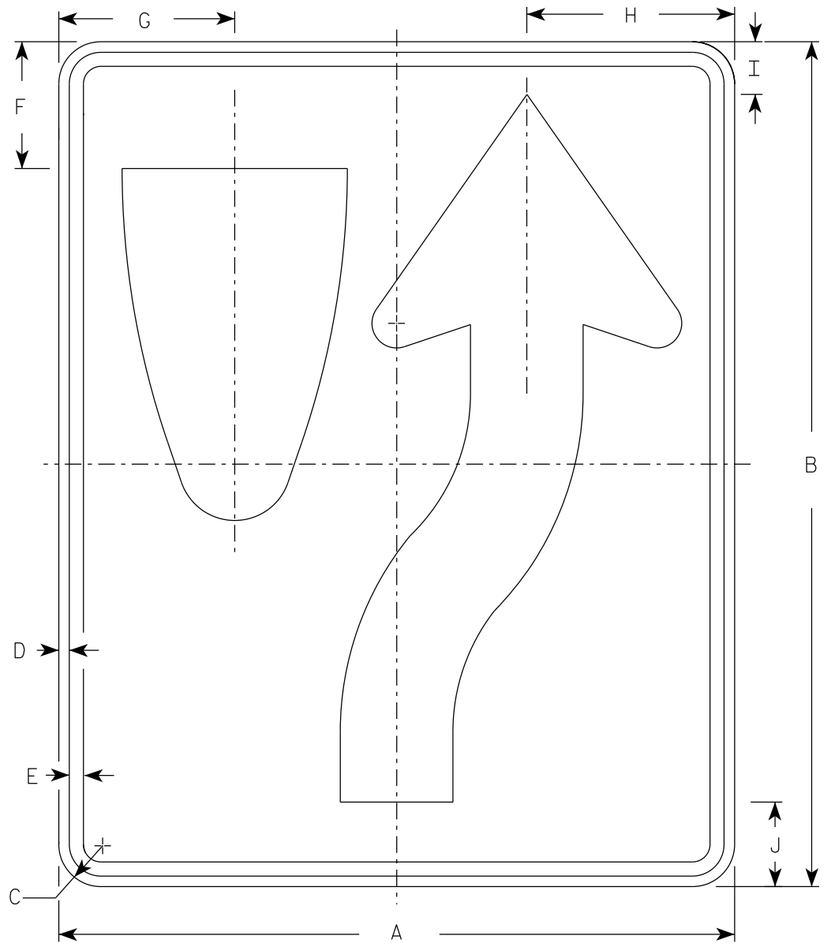
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 298 | E

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.

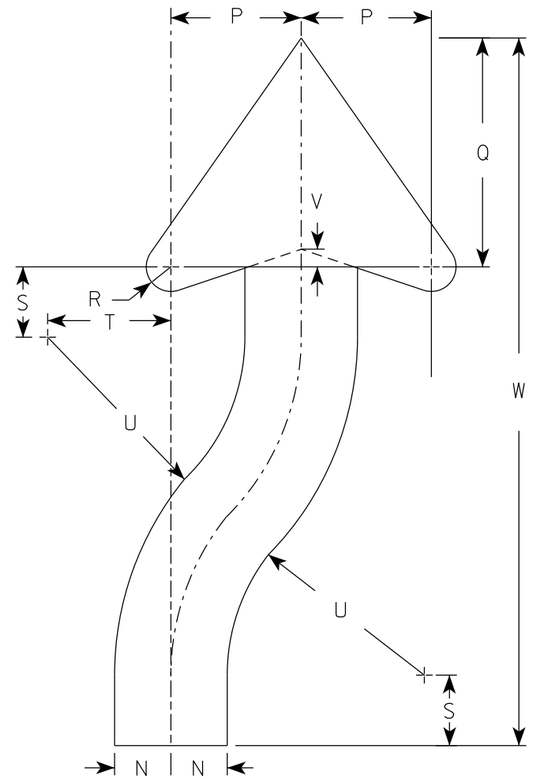
DIVIDER DETAIL





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

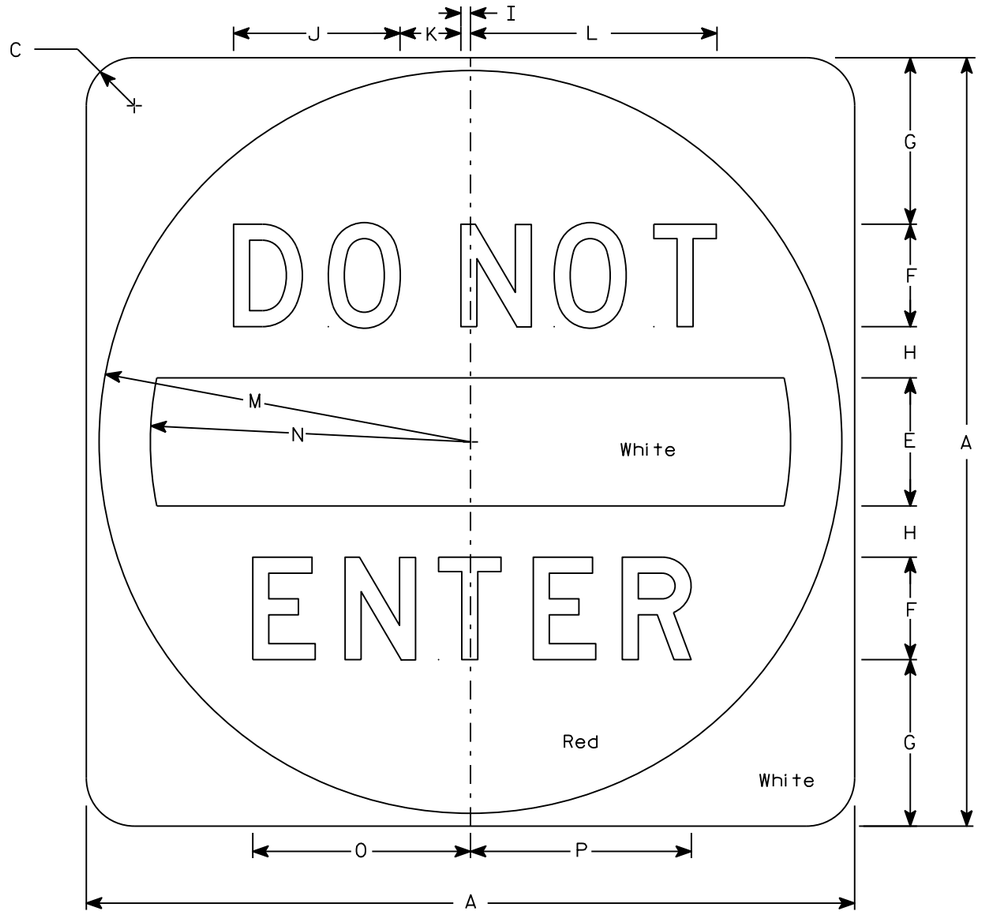
STANDARD SIGN
R4-7 & R4-8

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: 299	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

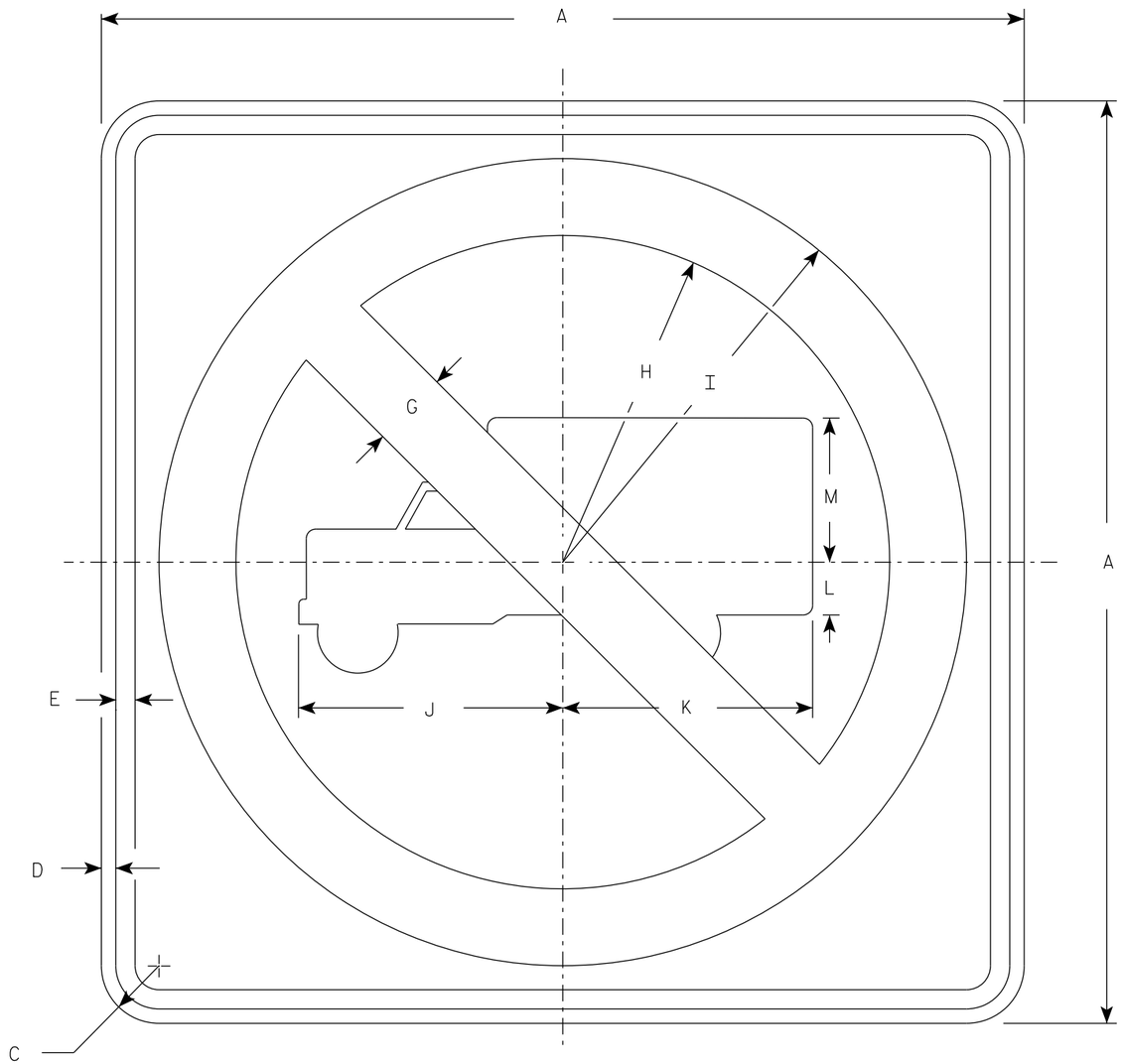
STANDARD SIGN
R5-1

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: 300 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See Note 3
3. Circle & Diagonal - Red
   Truck Symbol & Border - 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		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 7/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		2 1/4	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

STANDARD SIGN
R5-2

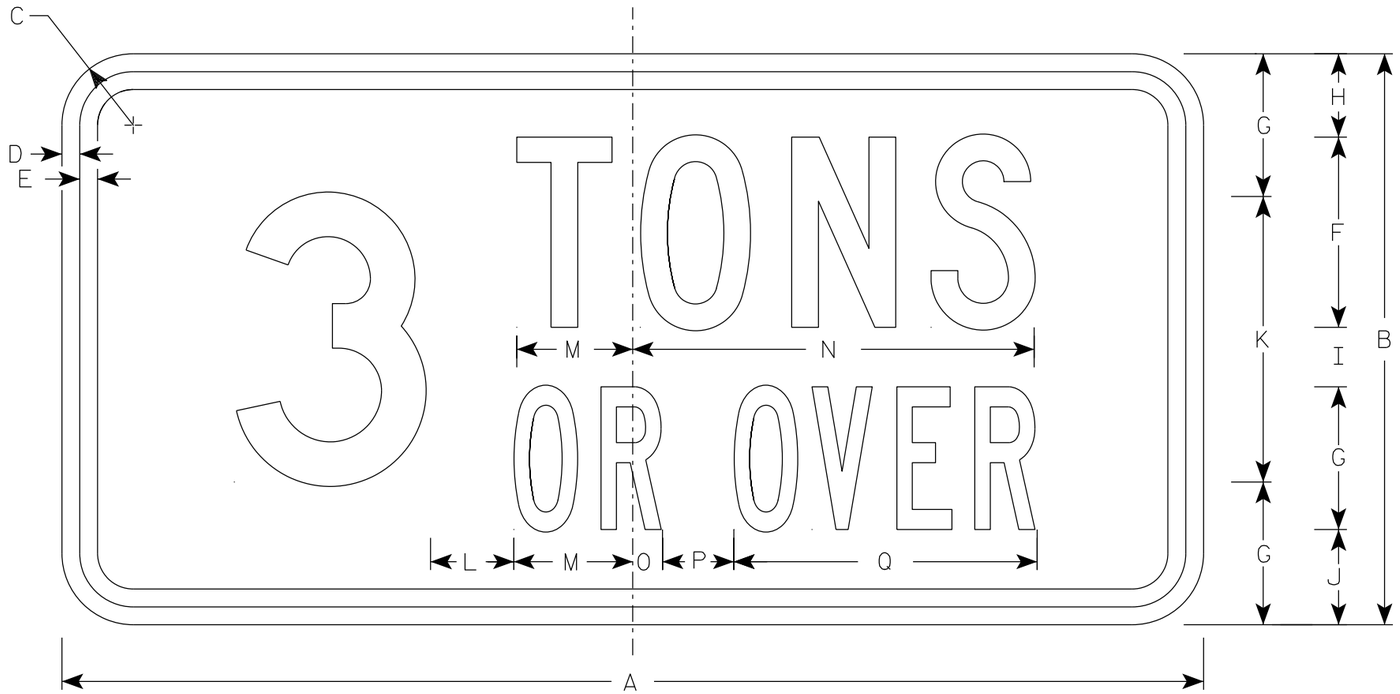
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-2.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E

7



R5-2A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - See note 4
4. Line 1 is Series "C"
   Line 2 is Series "B"
   Numeral is Series "D"
5. Substitute appropriate numerals.

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	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
2M	24	12	1 1/2	3/8	3/8	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
3	30	15	1 1/2	3/8	1/2	5	4	2 1/8	1 3/8	2 1/2	7	2 1/4	3 1/8	10 1/2	1	2 3/8	8 1/2										2.25
4	36	18	1 1/2	3/8	1/2	6	5	2 5/8	1 3/8	3	9	2 1/2	3 3/4	12 5/8	1 3/8	3 1/8	10 1/2										4.5
5	48	24	1 7/8	3/8	5/8	8	6	3 1/2	2 1/2	4	12	3 1/2	4 7/8	16 7/8	1 1/4	3	12 3/4										8.0

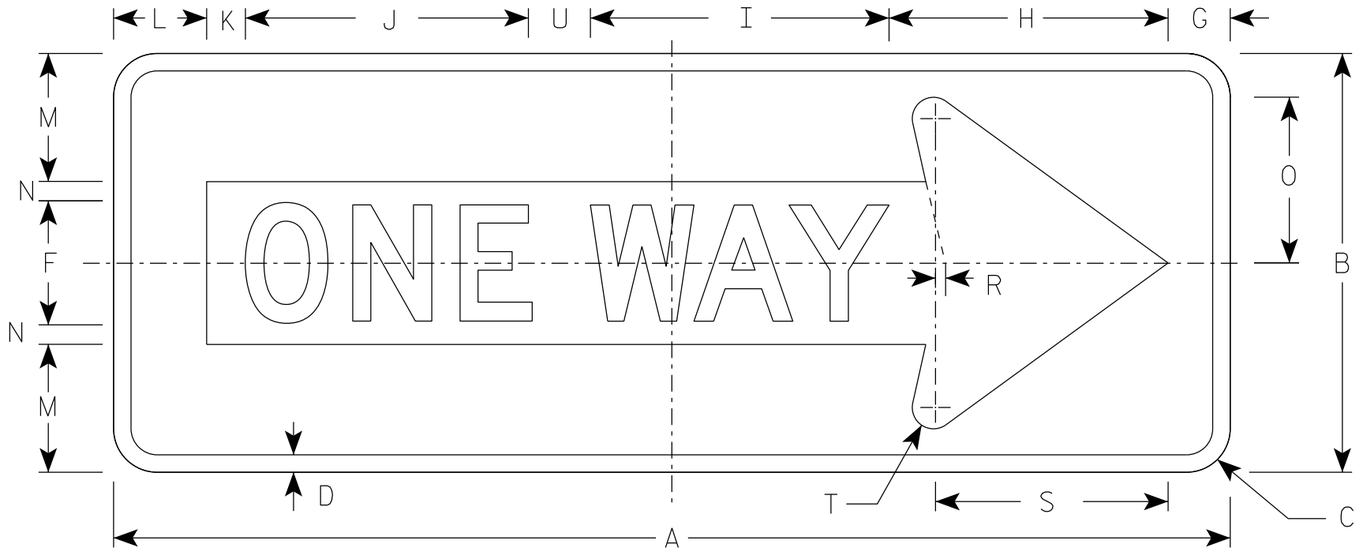
STANDARD SIGN
R5-2A

WISCONSIN DEPT OF TRANSPORTATION

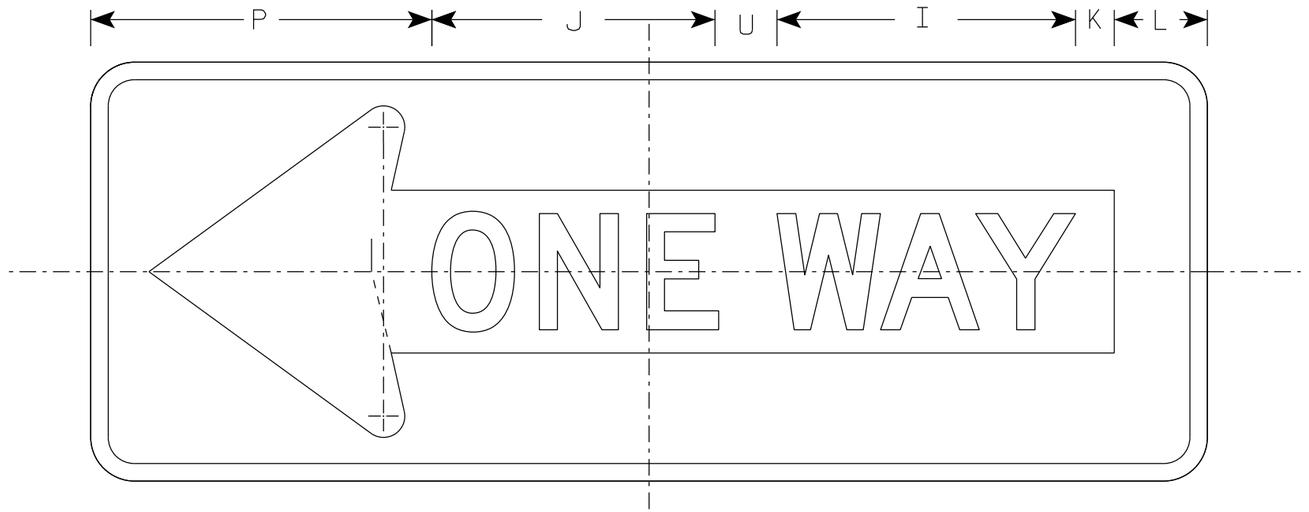
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/23 PLATE NO. R5-2A.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E



R6-1R



R6-1L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Black
   Message - Black Legend & White Arrow & Border
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	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½	¾	2						3.0
2M	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
3	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
4	48	18	1 ⅞	¾		5	2 ½	11	13	12 ¼	2 ¾	3 ½	5 ½	1	7 ⅛	13 ½		½	10 ⅛	⅞	3						6.0
5																											

STANDARD SIGN
R6-1 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

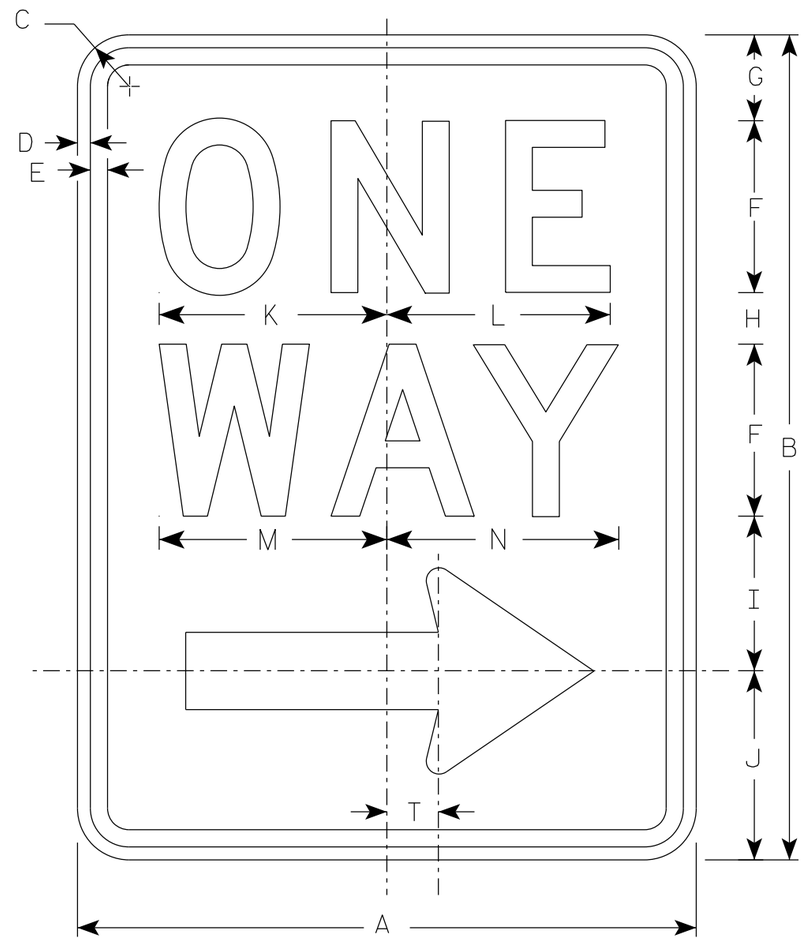
DATE 4/7/2025 PLATE NO. R6-1.5

PROJECT NO:

SHEET NO: 303 E

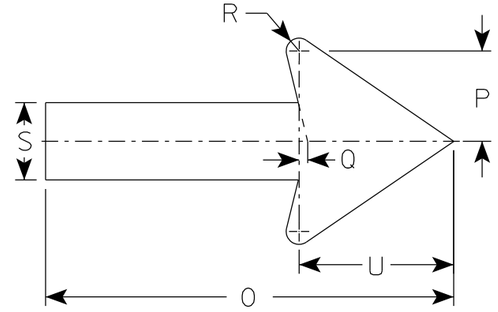
NOTES

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																										

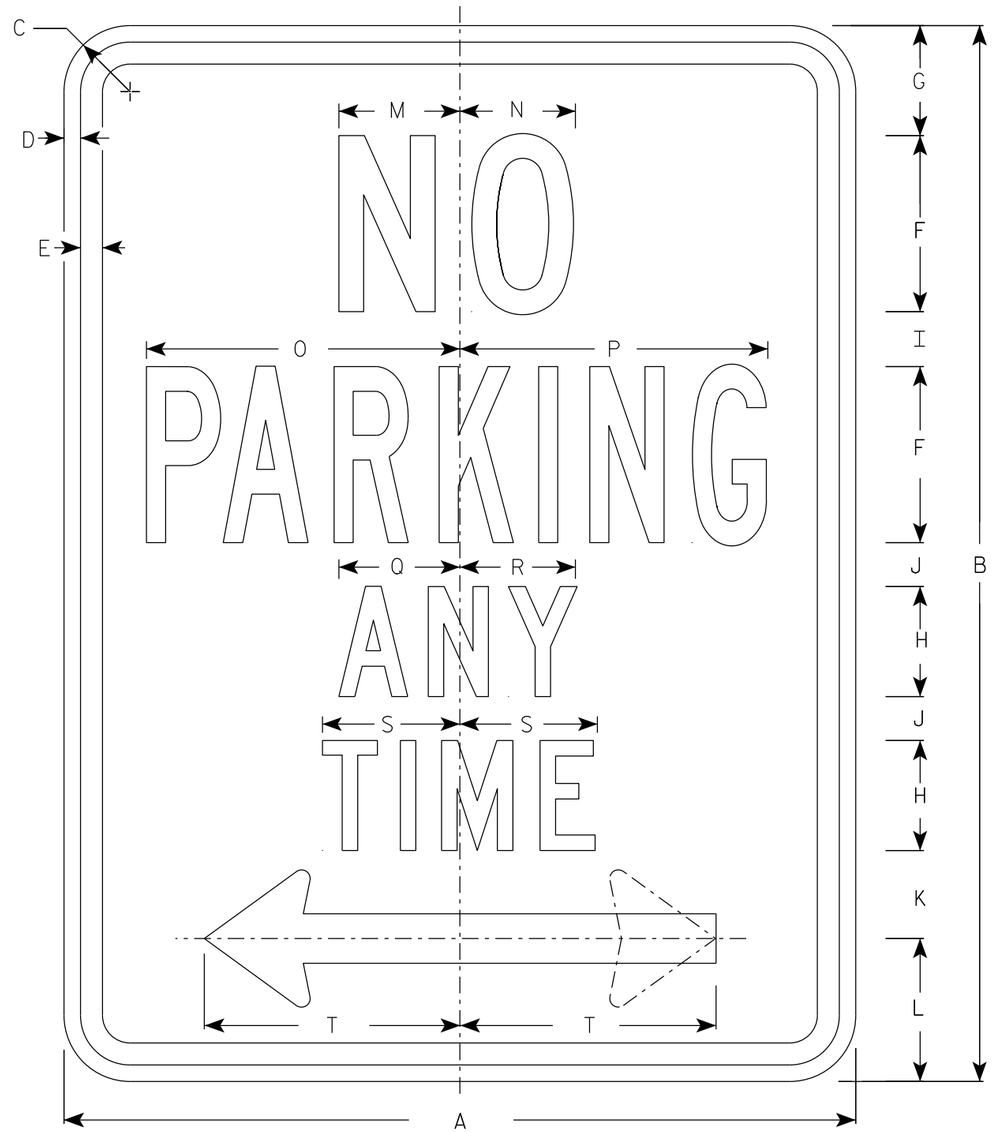
STANDARD SIGN
R6-2 R&L

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: 304	E

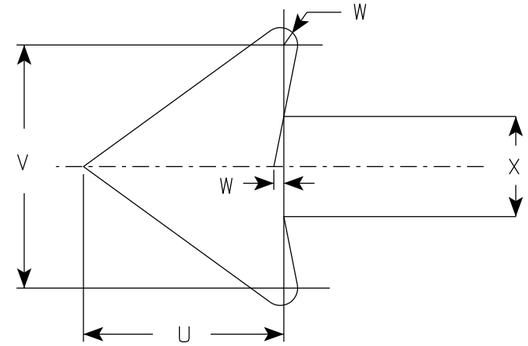


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/2	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

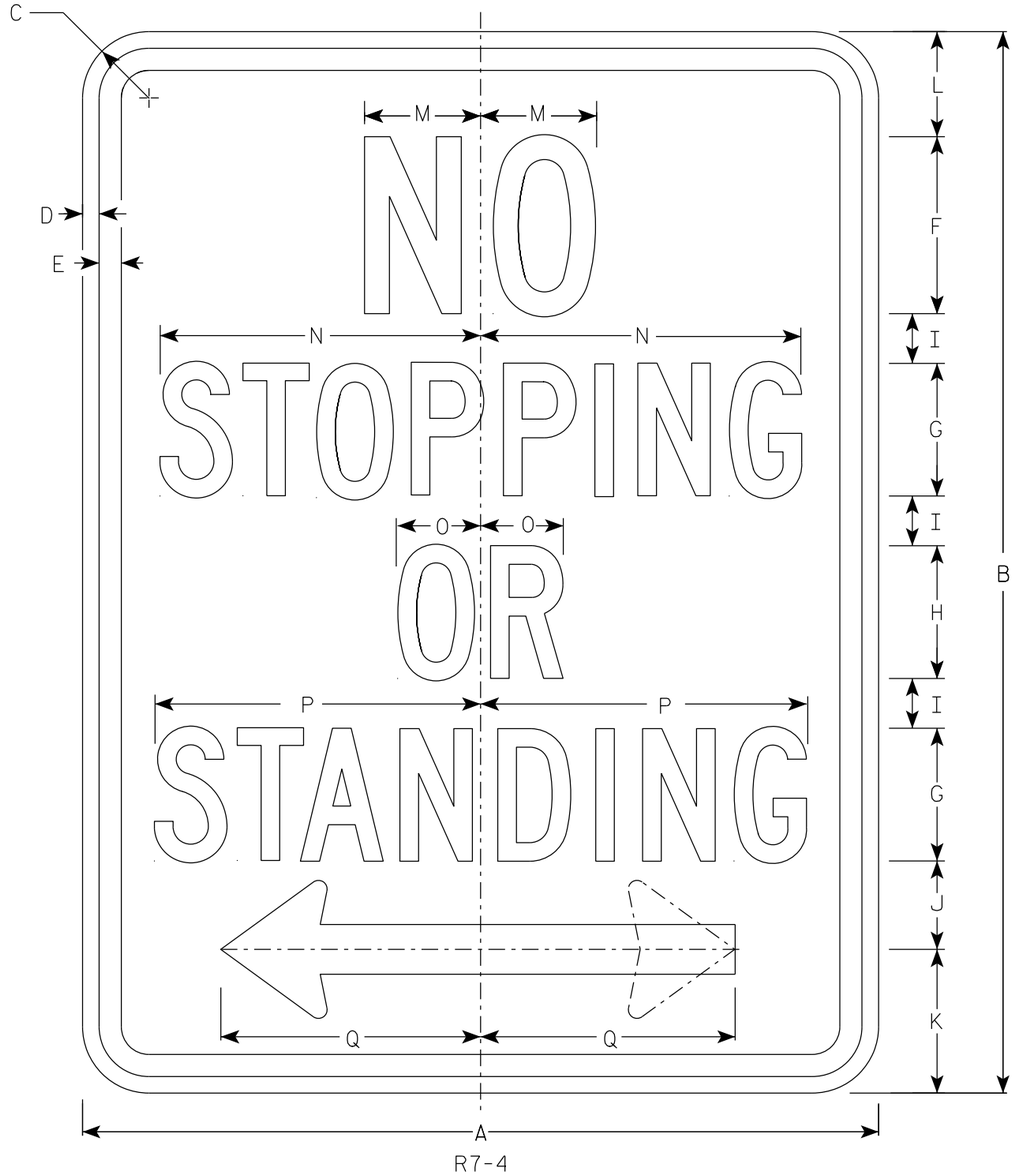
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 305 E

7

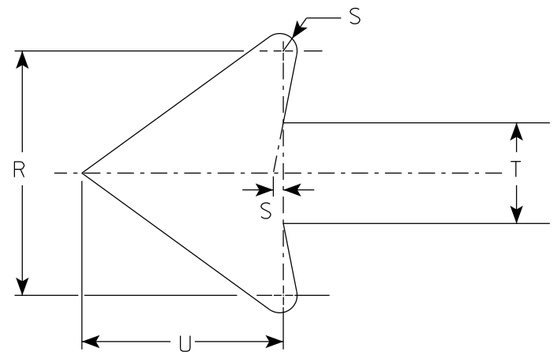
7



R7-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - C
4. R7-4L (left arrow)
   R7-4R (right arrow)
   R7-4D (double arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	2	2	1	1 1/2	2 1/2	2	2	4 7/8	1 1/4	4 7/8	3 7/8	1 3/4	1/8	3/4	1 1/2						1.5
2S	18	24	1 1/2	3/8	1/2	4	3	3	1 1/8	2	3 1/4	2 3/8	2 5/8	7 1/4	1 7/8	7 3/8	5 7/8	2 5/8	1/4	1 1/8	2 1/4						3.0
2M	24	30	1 1/2	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
3	24	30	1 1/2	3/8	1/2	5	4	3	1 1/2	3	4	2 1/2	3 3/8	10	2 1/2	10 1/4	7 3/4	3 1/2	1/4	1 1/2	3						5.0
4																											
5																											

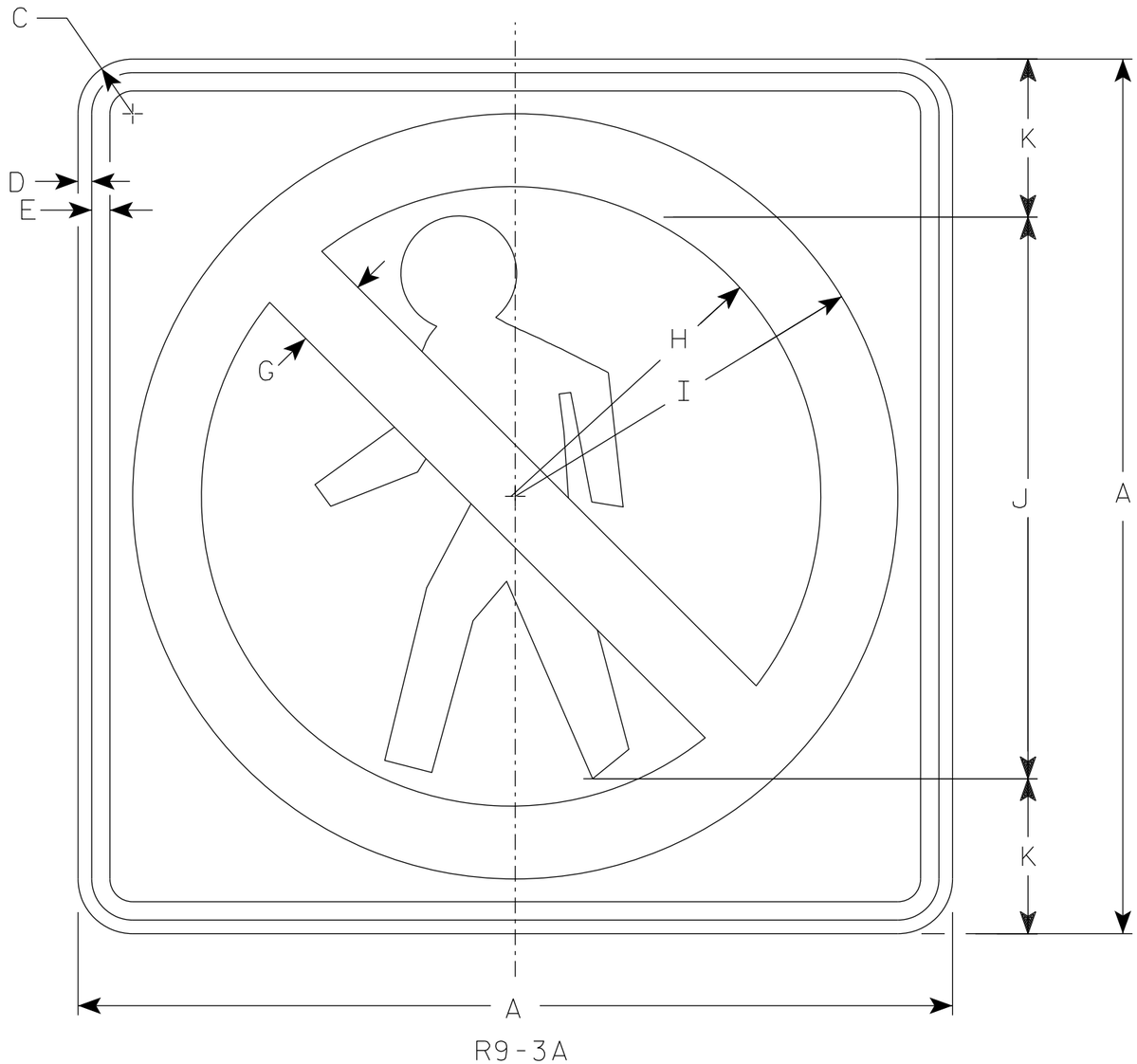
STANDARD SIGN
R7-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-4.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

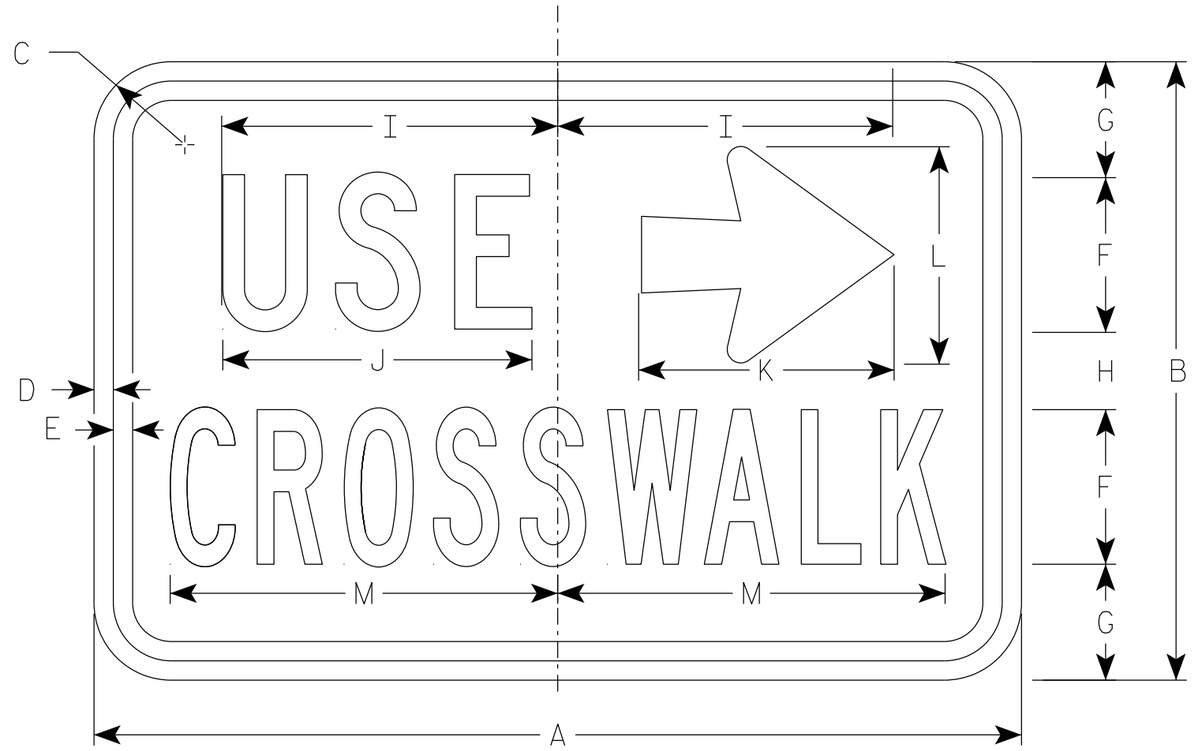
DATE 1/23/24 PLATE NO. R9-3A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 E

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2



R9-3B

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	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/2	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

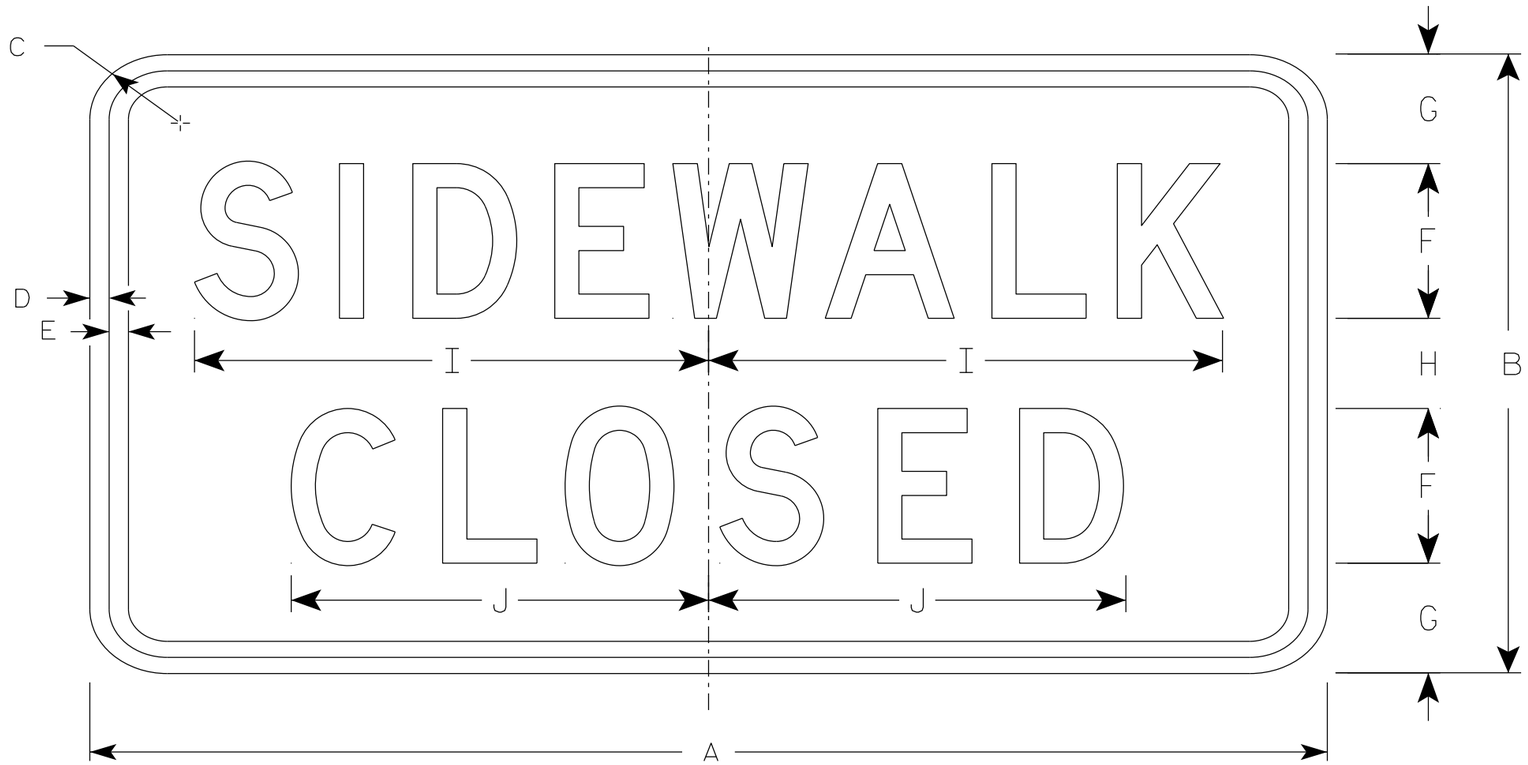
STANDARD SIGN
R9-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3B.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

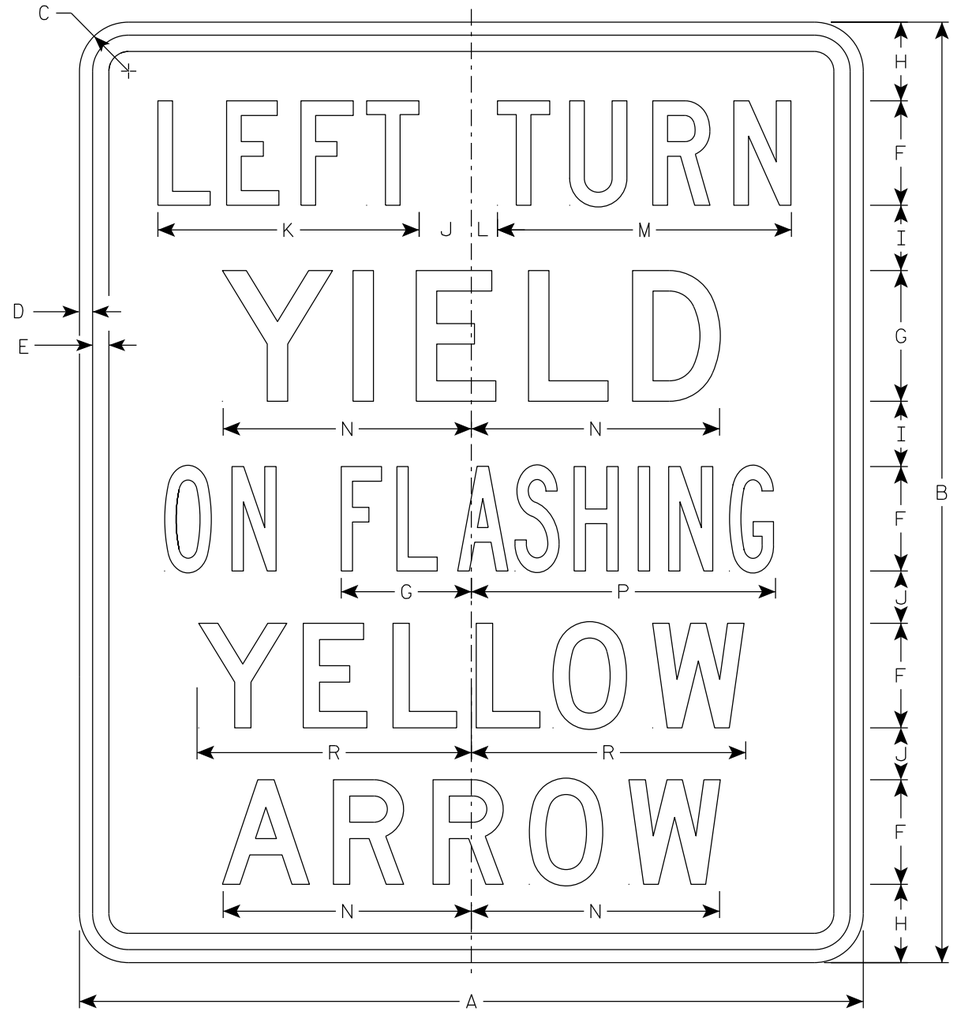
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

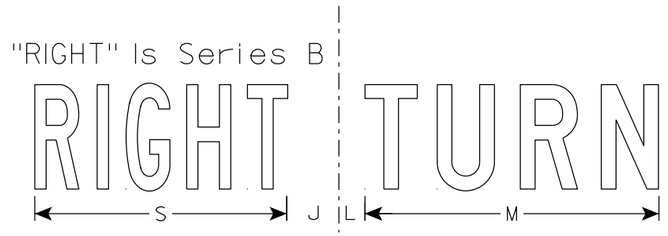
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E



R10-50L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series C.
   Lines 2, 4 and 5 are Series D.
   Line 3 is Series B.



R10-50R

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	36	1 7/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
2M	30	36	1 7/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
3																											
4																											
5																											

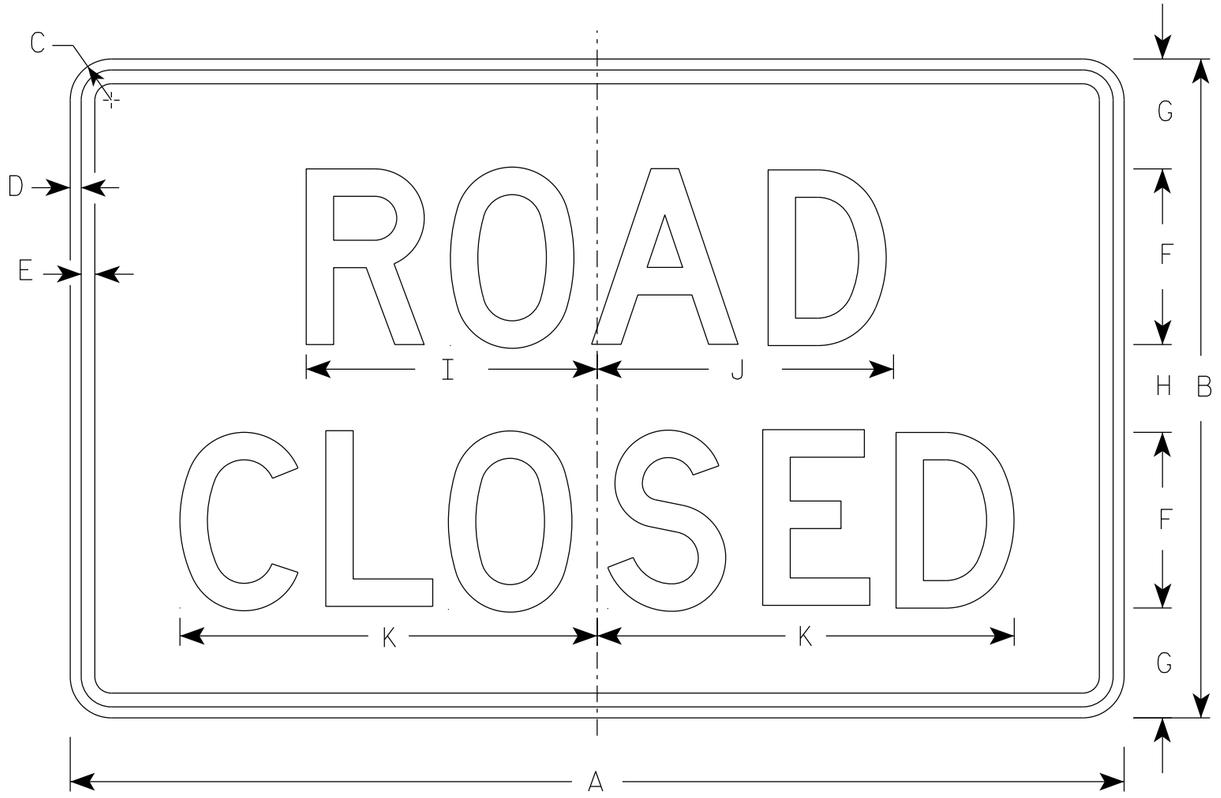
STANDARD SIGN
R10-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R10-50.3

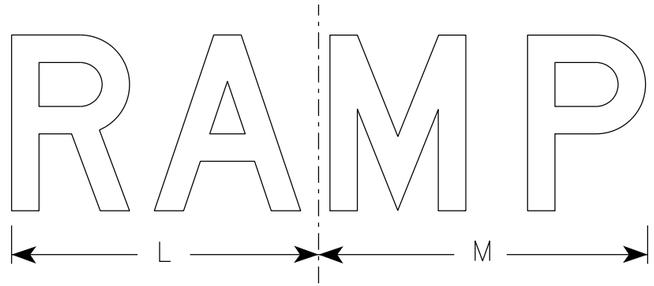
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E



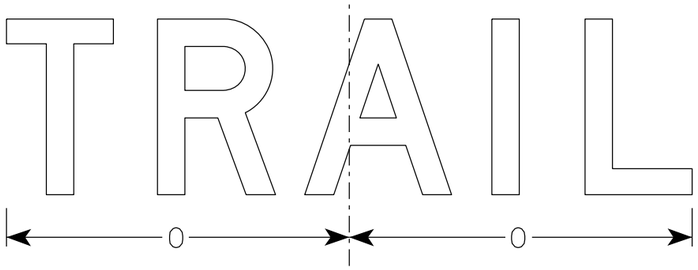
R11-2

NOTES

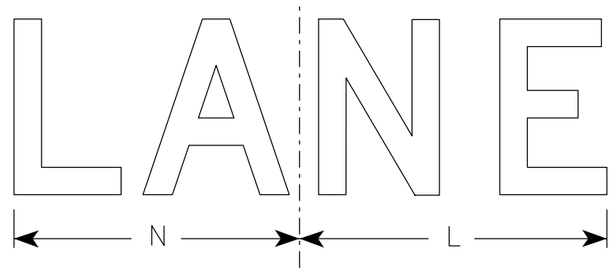
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

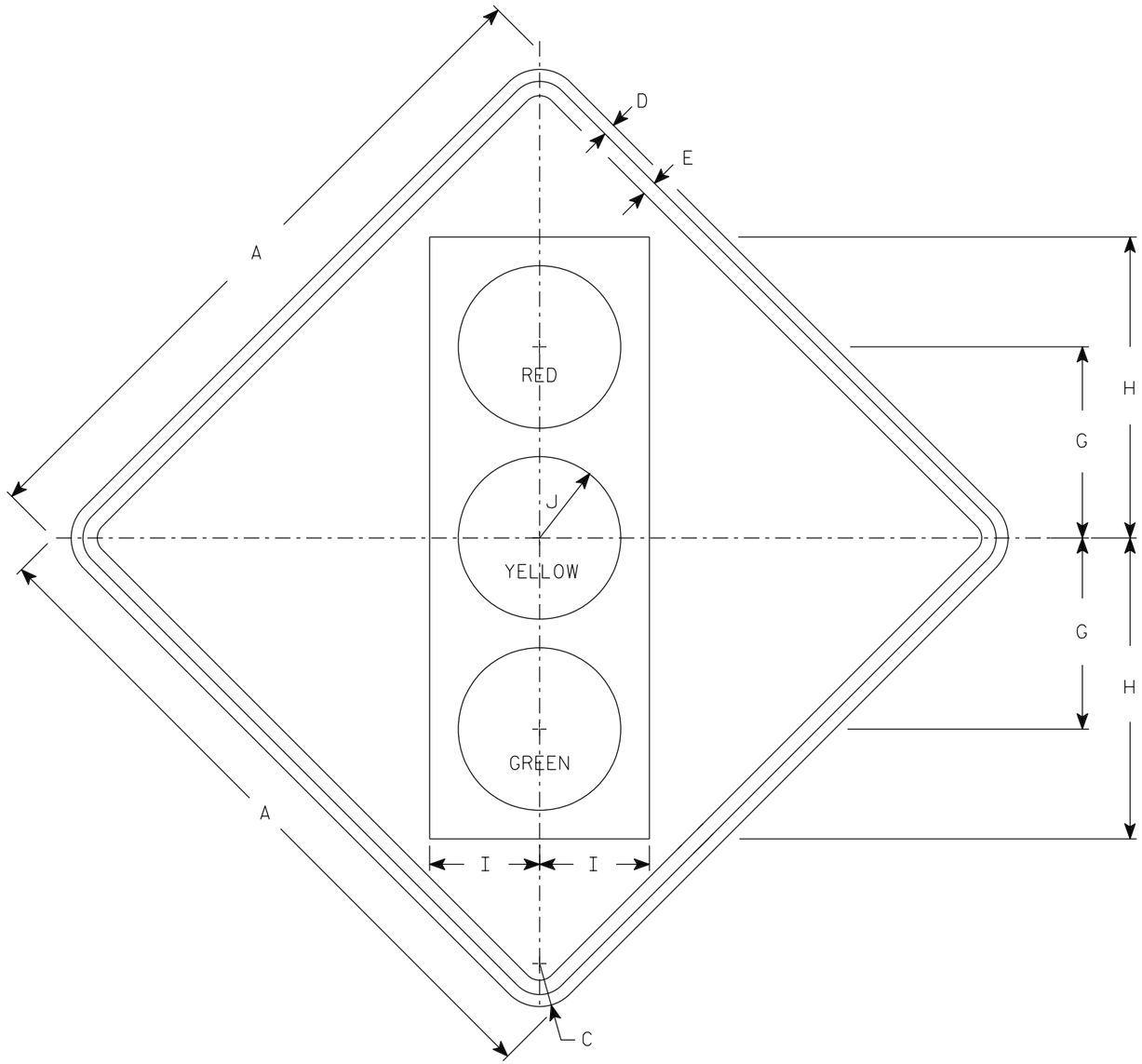
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



W3-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - See Note 3
3. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		2 1/4	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		3	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

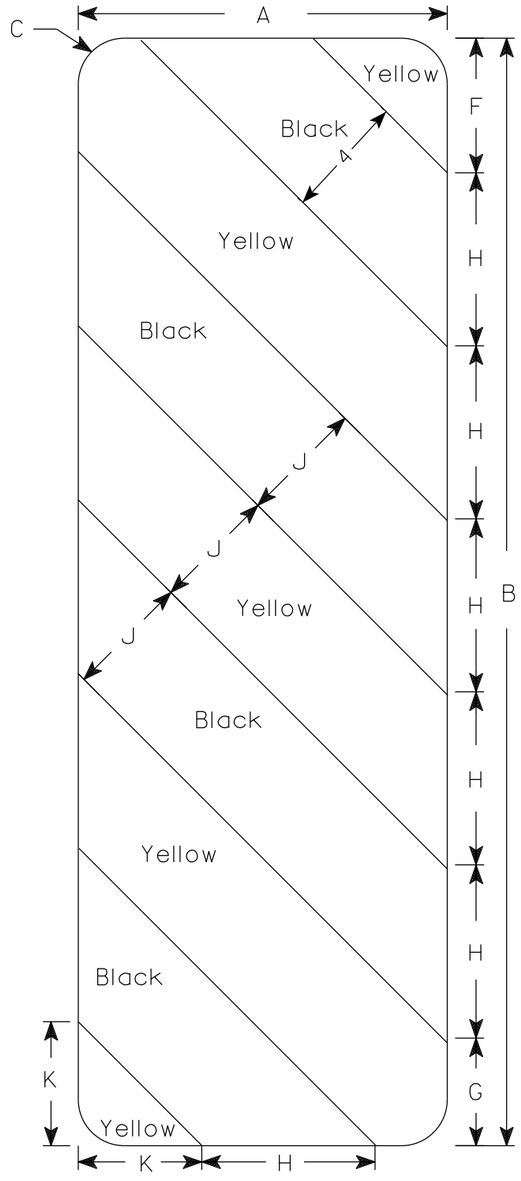
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

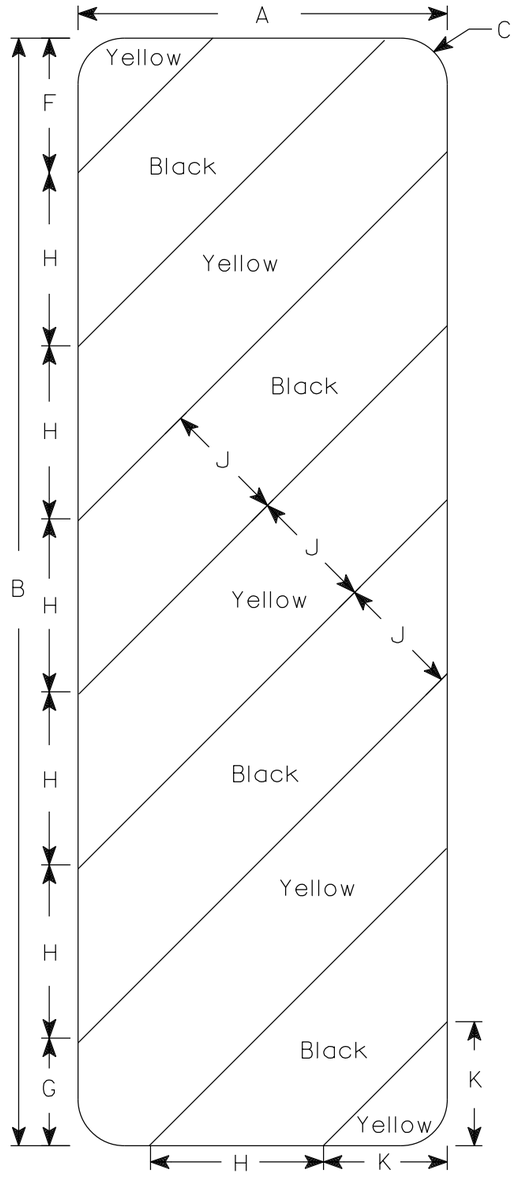
DATE 8/21/2023 PLATE NO. W3-3.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 312	E

7



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. 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

W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

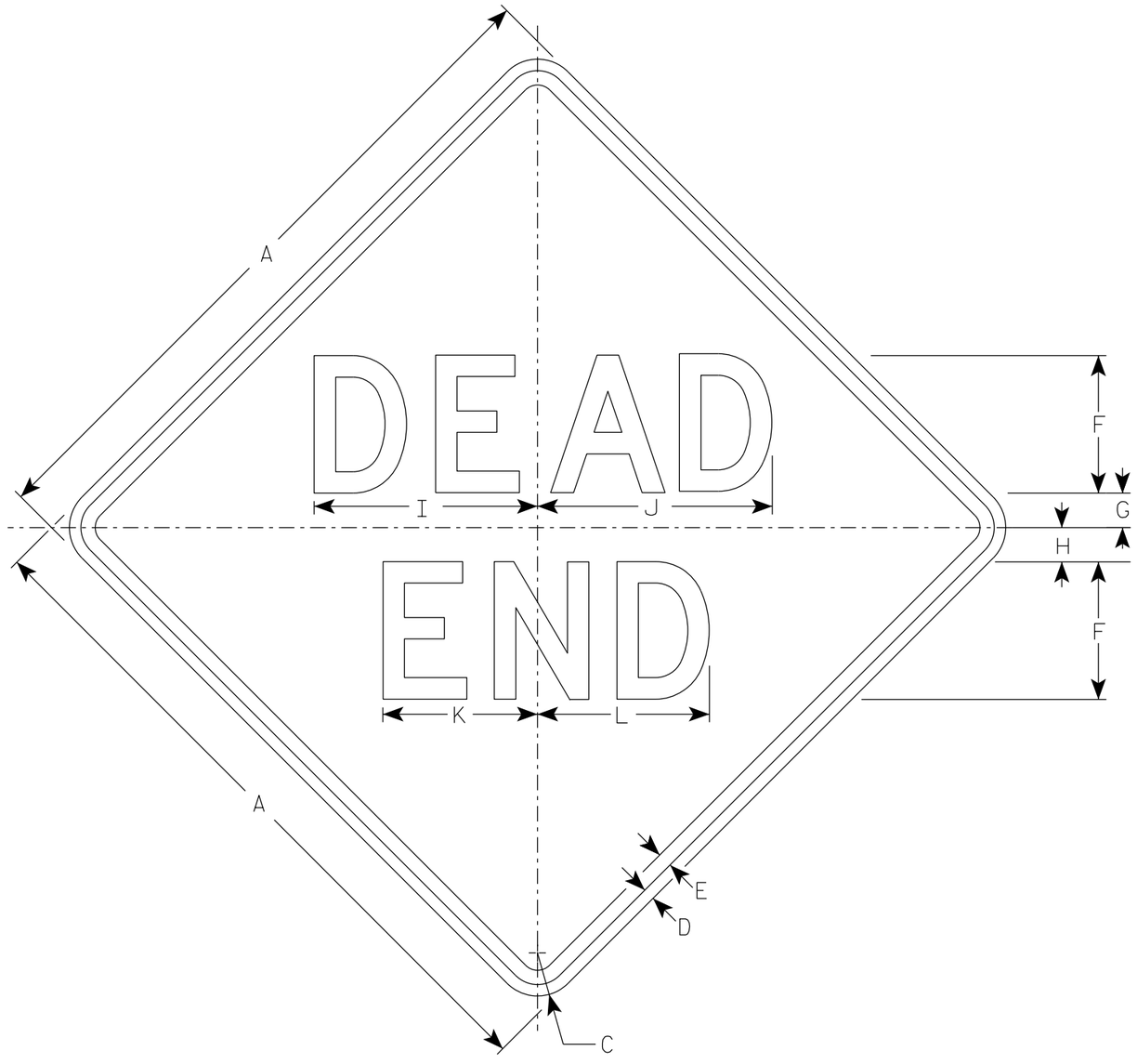
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 E

7

7



W14-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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	Areq sq. ft.
1	24		1 1/2	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 7/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 7/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		2 1/4	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

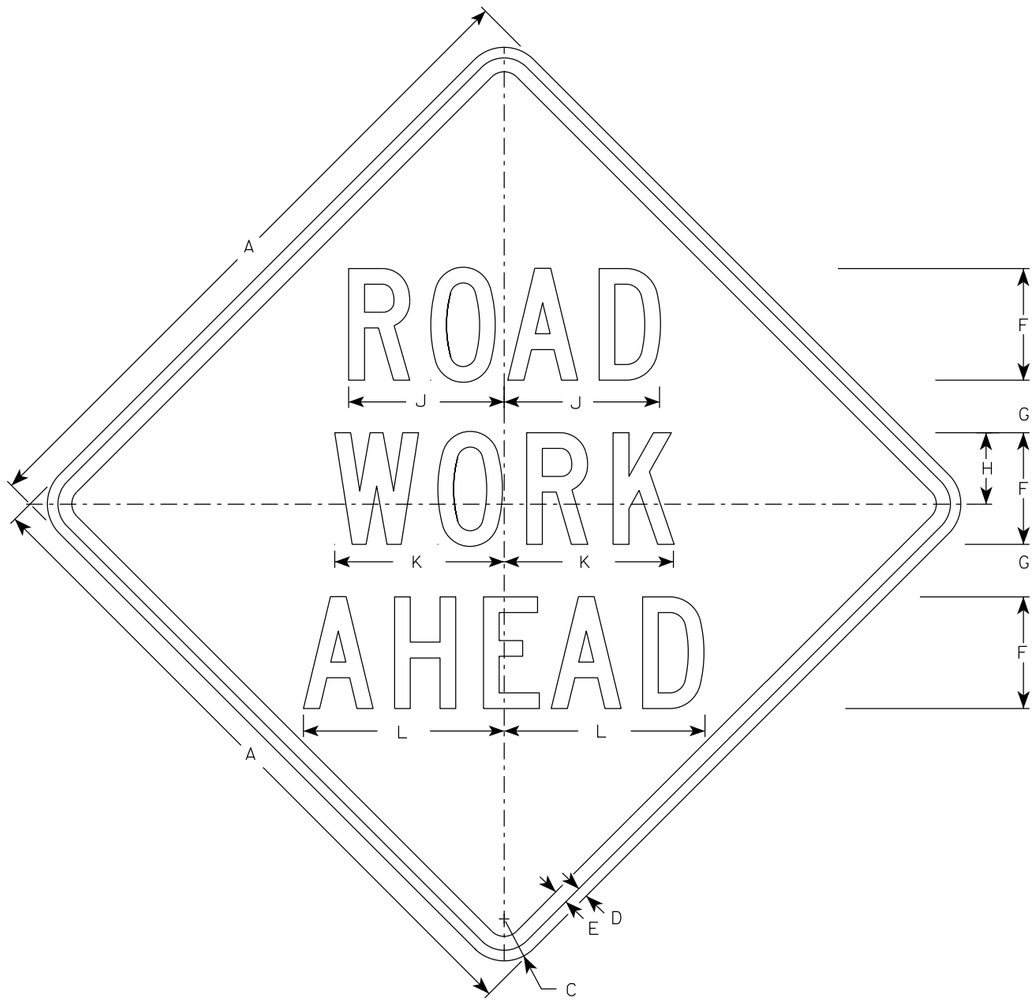
STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

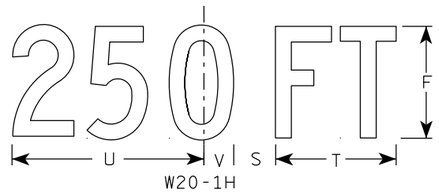
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/8/2024 PLATE NO. W14-1.8

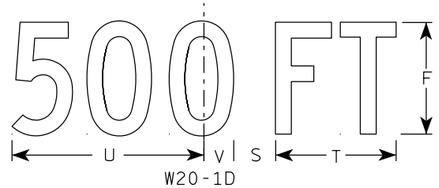
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 314 E



W20-1A



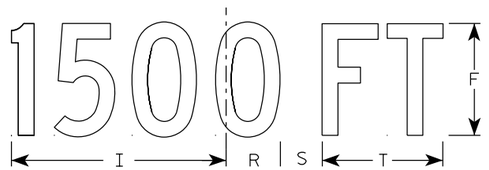
W20-1H



W20-1D



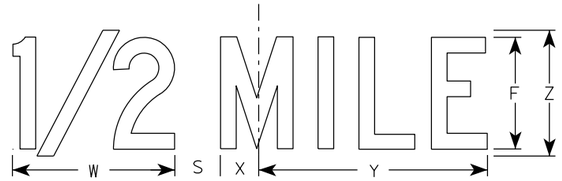
W20-1C



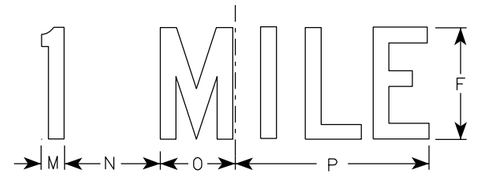
W20-1B

NOTES

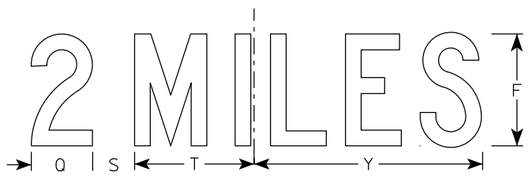
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

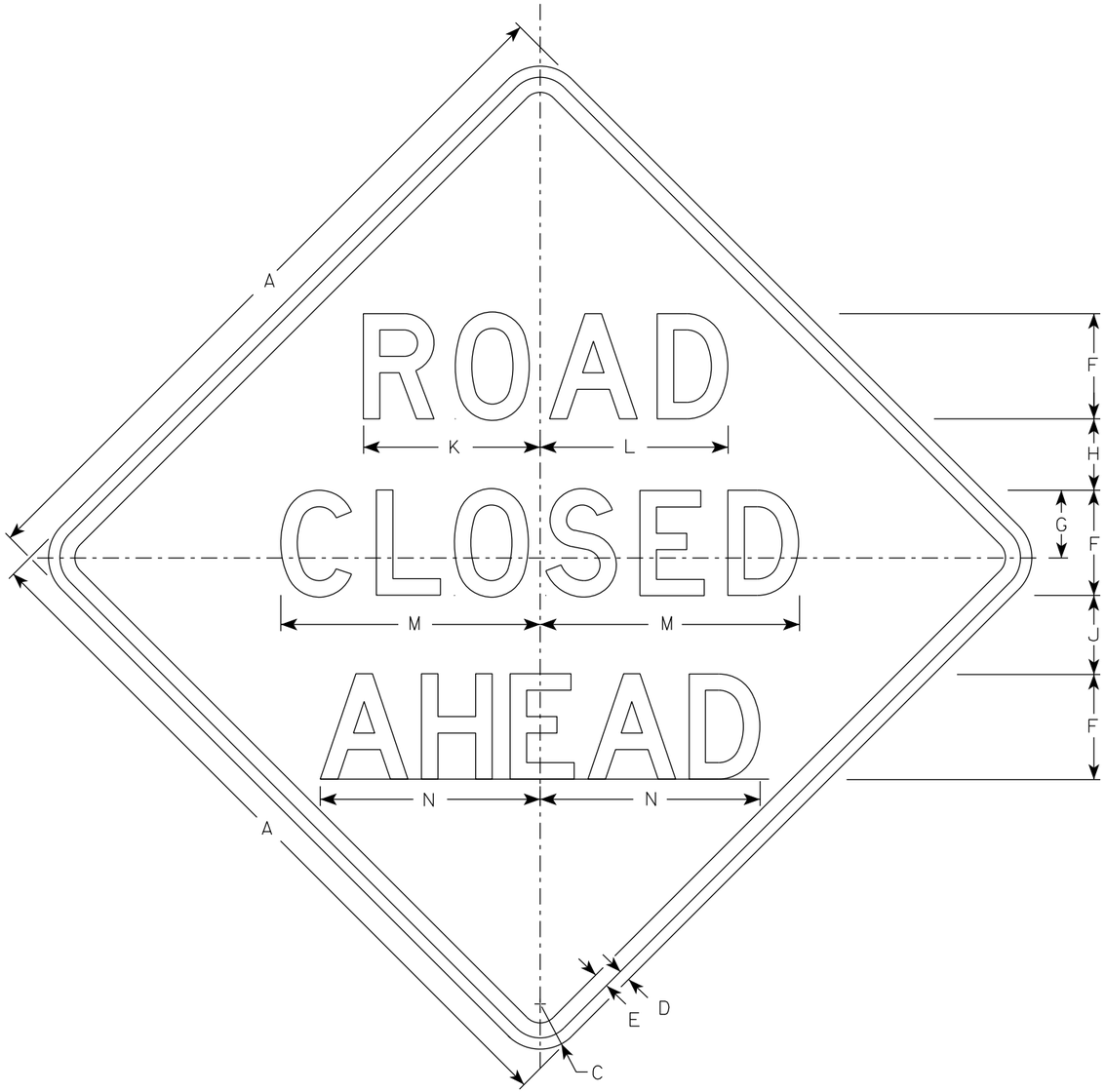
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

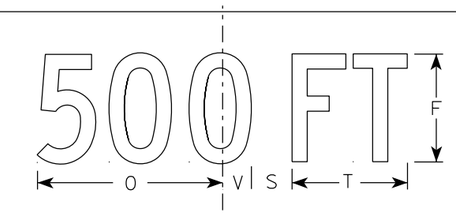
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

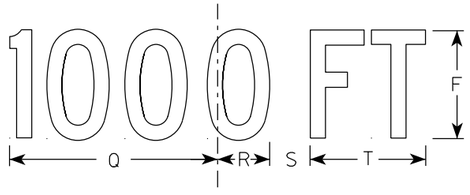
SHEET NO: 315 E



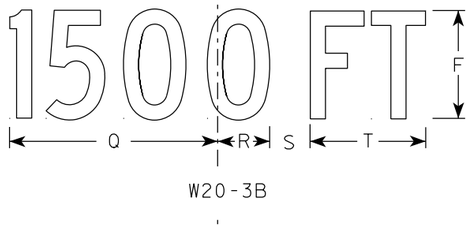
W20-3A



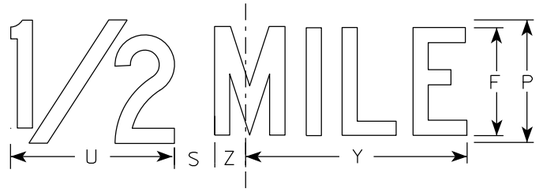
W20-3D



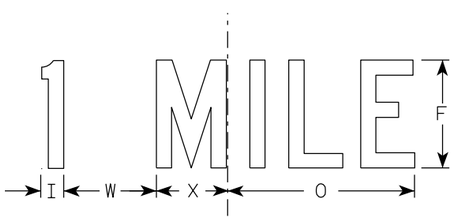
W20-3C



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

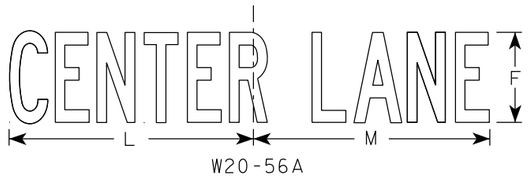
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

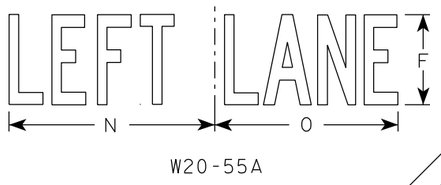
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

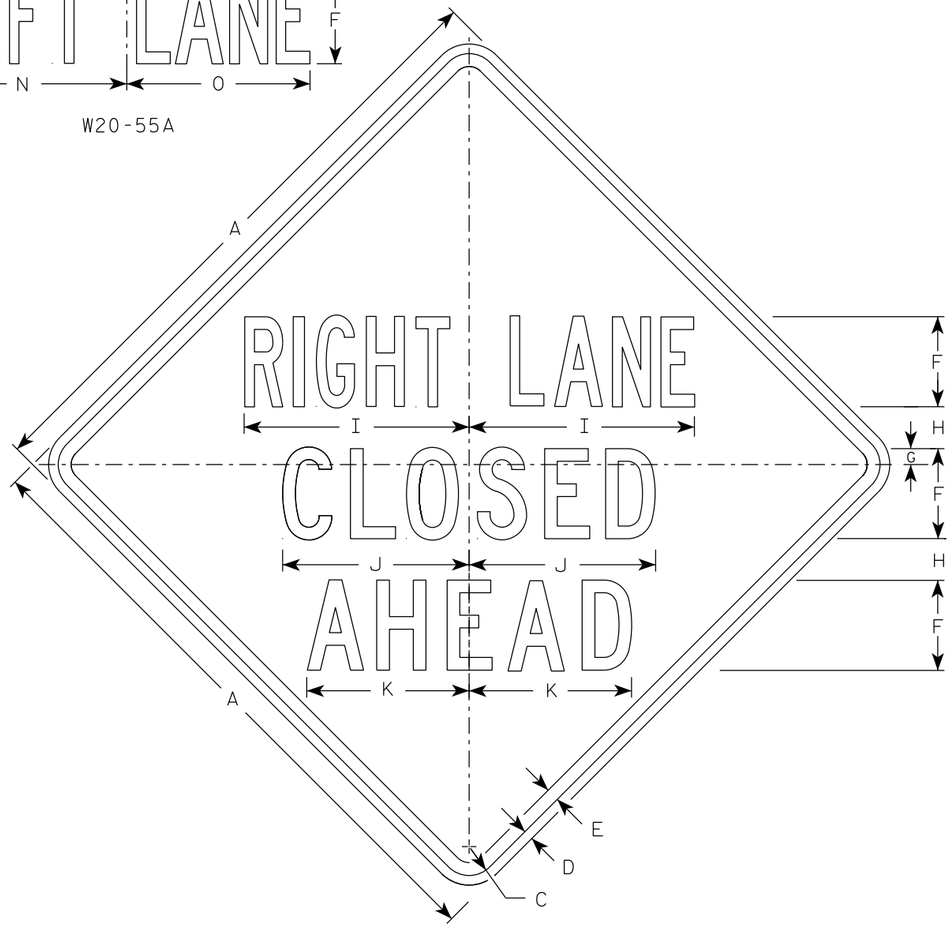
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



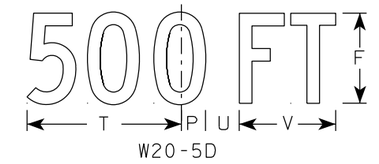
W20-56A



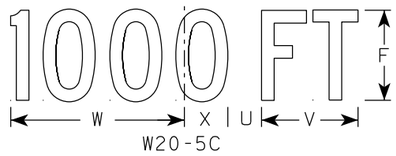
W20-55A



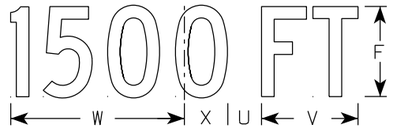
W20-5A



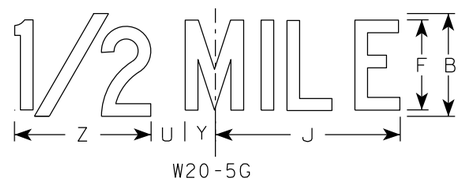
W20-5D



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

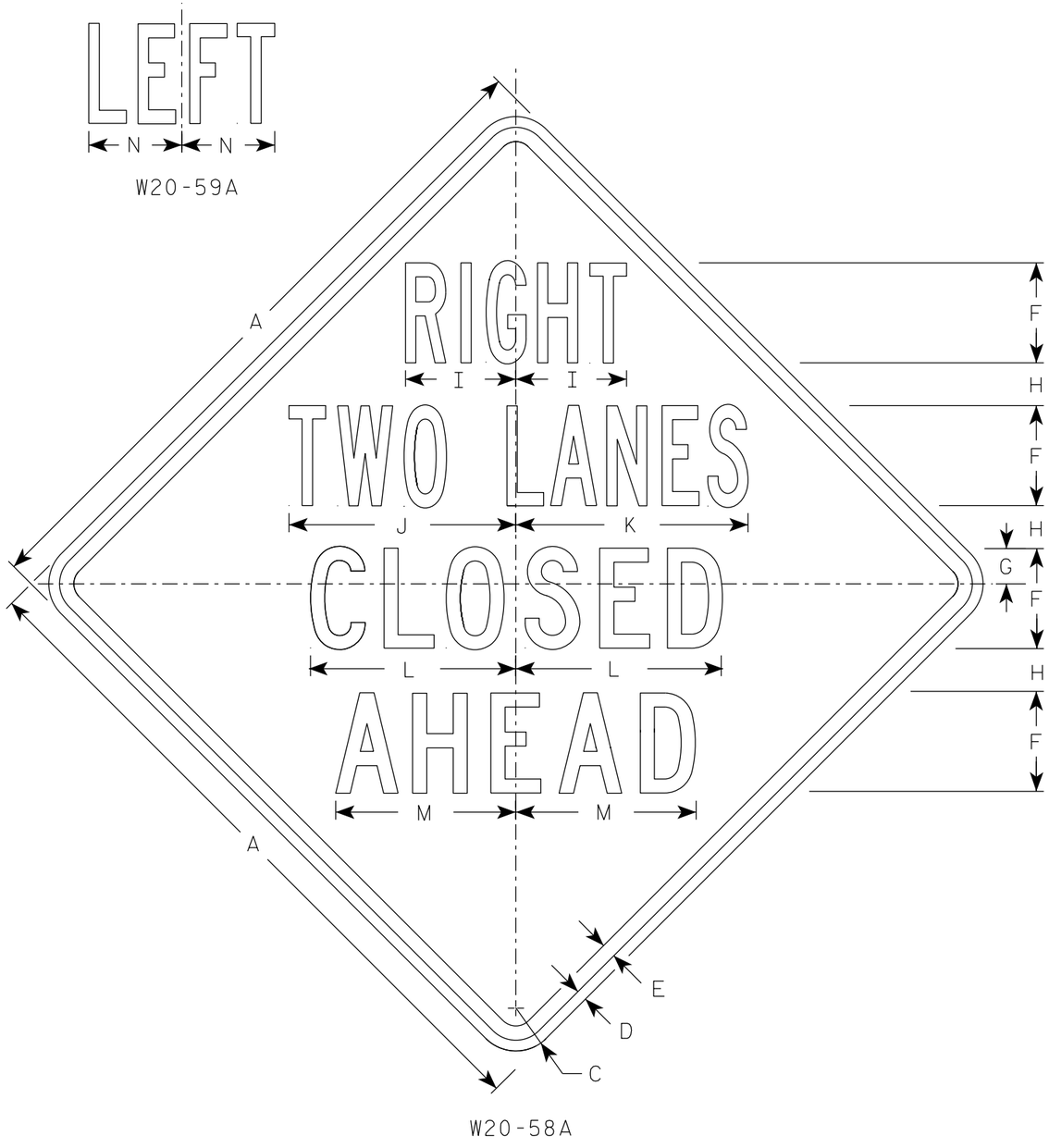
STANDARD SIGN
W20-5A, B, C, D, F & G

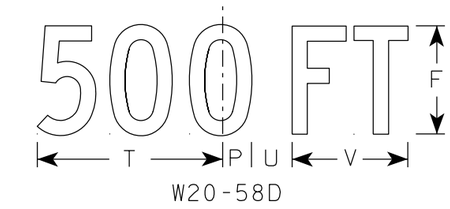
WISCONSIN DEPT OF TRANSPORTATION

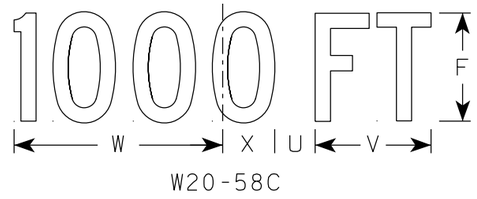
APPROVED Matthew R Rauch
for State Traffic Engineer

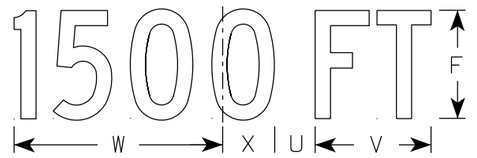
DATE 3/27/24 PLATE NO. W20-5.12

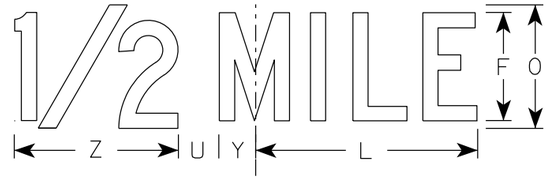
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 317	E

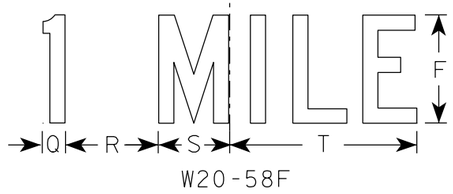












NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 & 2 Series B.
   Lines 3 & 4 Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	1 7/8	2 1/4	5 7/8	11 7/8	12 1/8	10 3/4	9 1/2	4 7/8	6	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48		3	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-58A, B, C, D, F & G

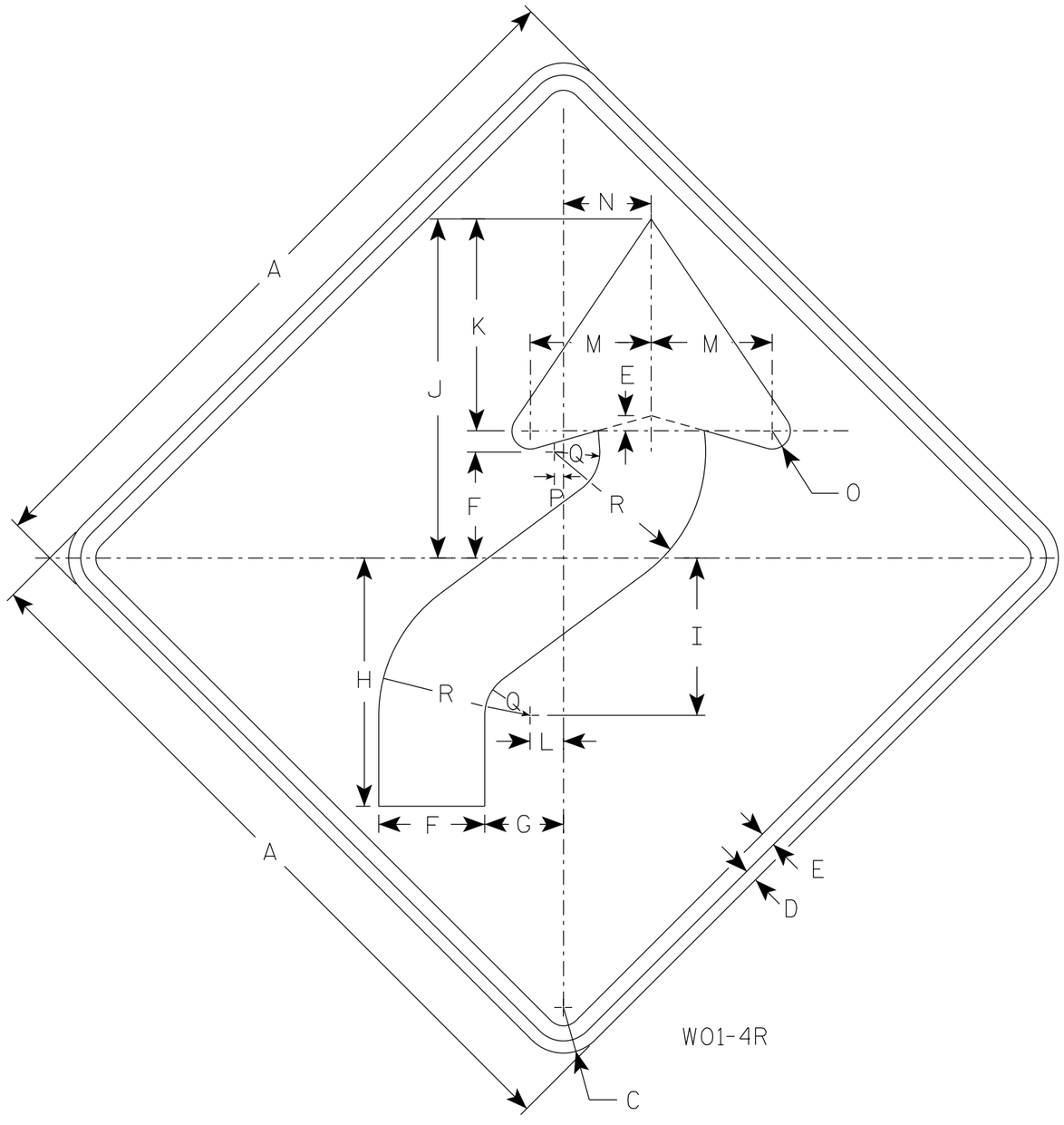
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-58.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W2058.DGN PLOT DATE : 10-JAN 2024 2:56 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



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

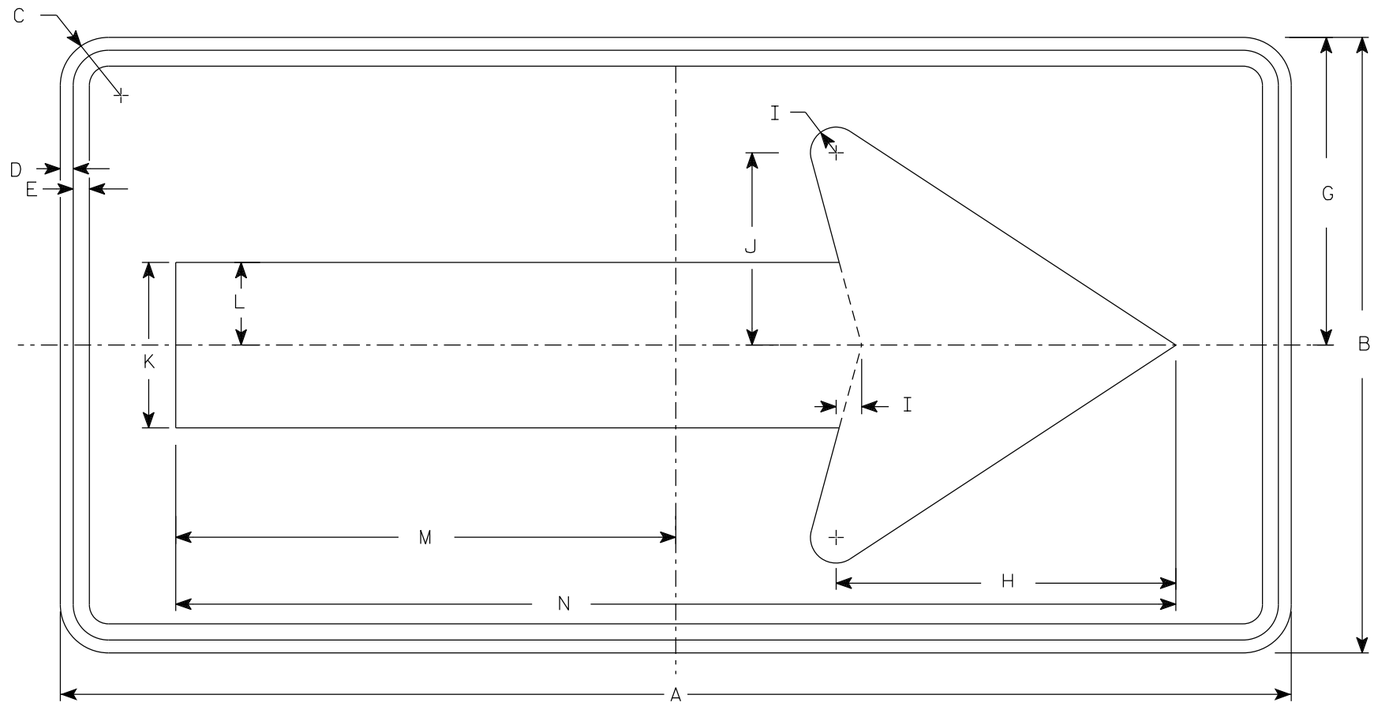
STANDARD SIGN
W01-4

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: 319 E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

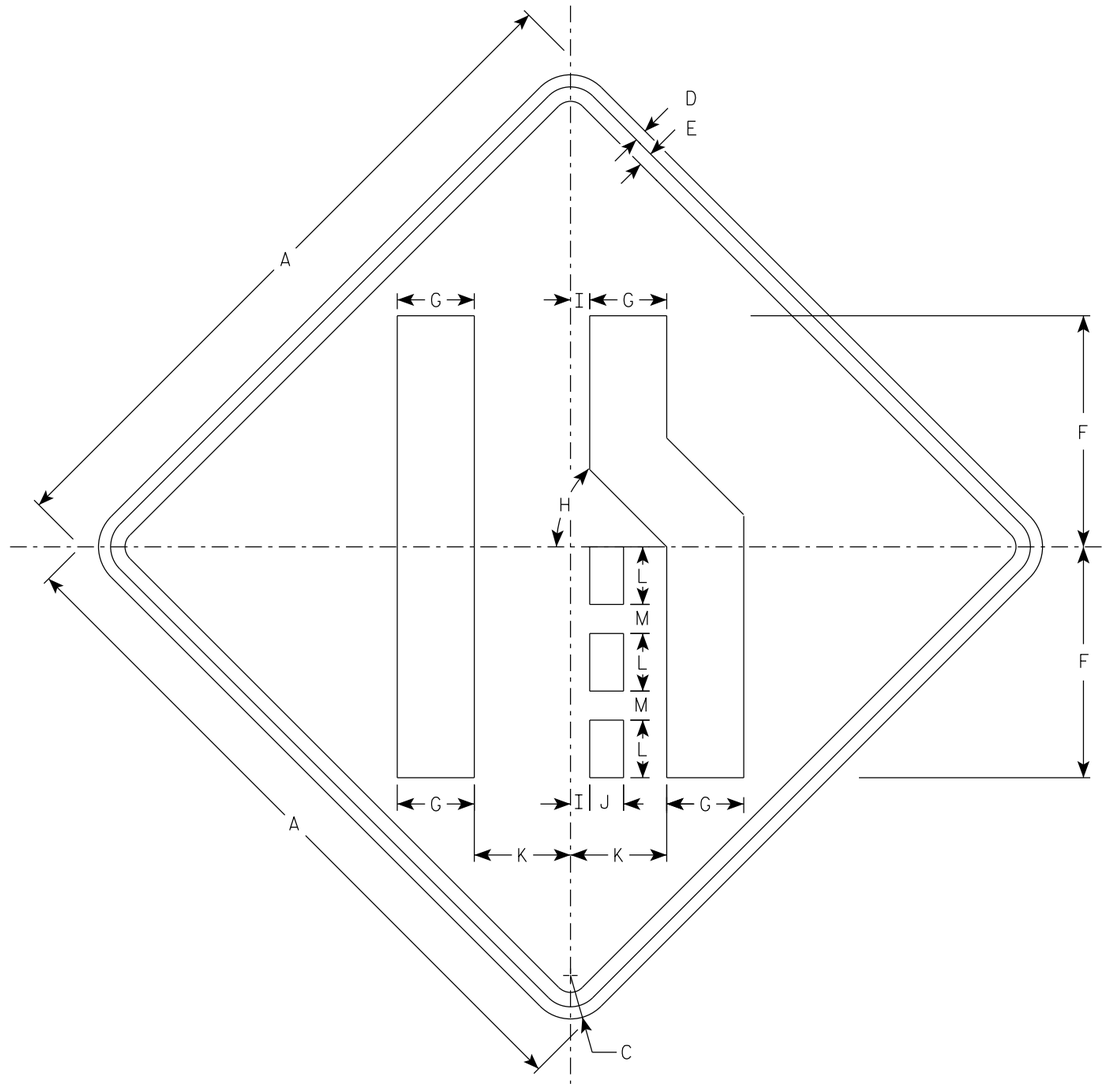
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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

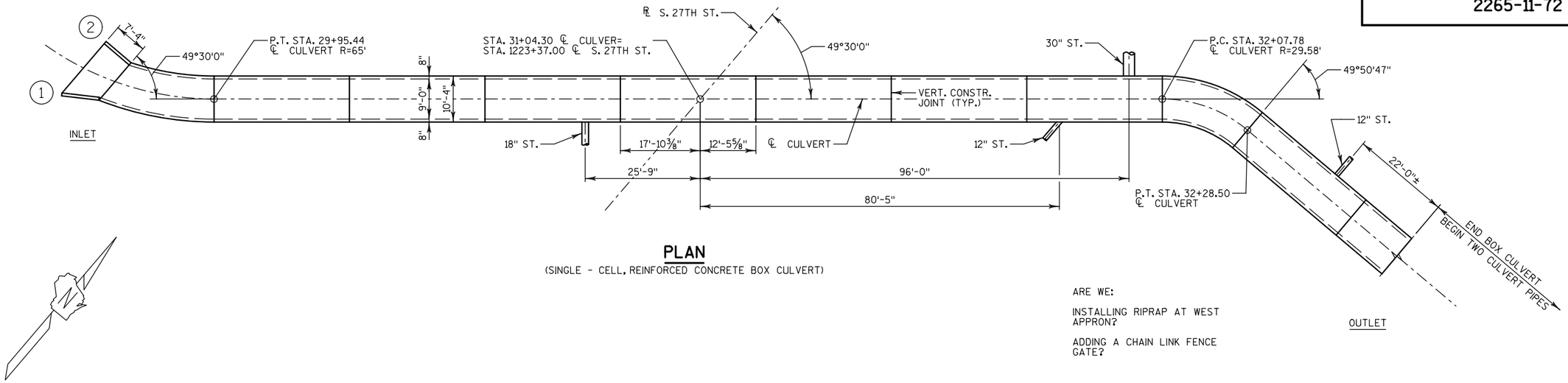
DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 321 E

STATE PROJECT NUMBER

2265-11-72



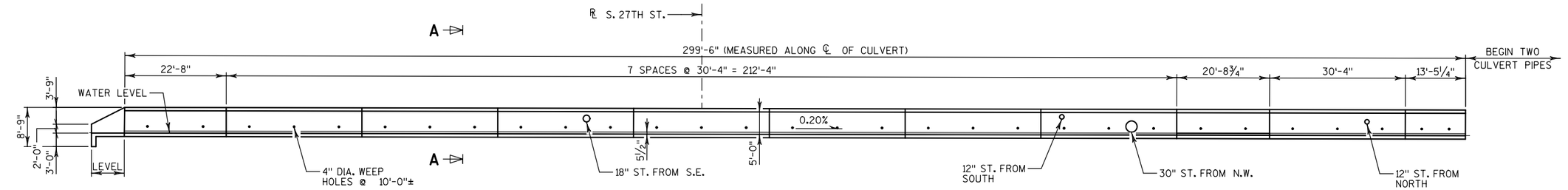
PLAN

(SINGLE - CELL, REINFORCED CONCRETE BOX CULVERT)

ARE WE:

INSTALLING RIPRAP AT WEST APPRON?

ADDING A CHAIN LINK FENCE GATE?



SECTION ALONG ℄ STRUCTURE

DESIGN DATA

LIVE LOAD:

INVENTORY RATING ——— HS - 10
OPERATING RATING ——— HS - 20
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) ——— 190 KIPS

LOAD RATINGS PER HSI AND WBM 45.8.2.1

MATERIAL PROPERTIES

CONCRETE MASONRY:
ALL OTHER ——— f'c = 3,500 PSI

TRAFFIC VOLUME

STH 241

ADT ——— 28,000 (2046)
R.D.S. ——— 40 M.P.H.

SCOPE OF WORK C-40-42

1. PERFORM CONCRETE SURFACE REPAIR AT LOCATIONS DESIGNATED BY ENGINEER.

LIST OF DRAWINGS

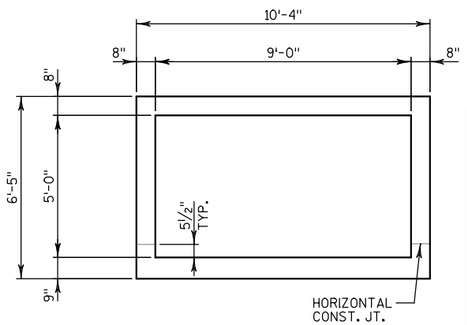
1. GENERAL PLAN

LEGEND

(X) INDICATED WING NUMBER.

1-01 CONCRETE SURFACE REPAIR AND CONCRETE SURFACE REPAIR FULL-DEPTH QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE THE FIELD IDENTIFICATION AND DETERMINATION OF ALL REPAIR LOCATIONS WITH THE ENGINEER. ANTICIPATED LOCATIONS INCLUDE AROUND INLET PIPES AND AT CONSTRUCTION JOINTS.

1-02 DEWATERING AND PLACEMENT OF SANDBAGS, OR OTHER TECHNIQUE, TO DIVERT WATER TO COMPLETE THE REQUIRED WORK IS INCLUDED IN THE BID ITEM "COFFERDAMS C-40-42". PAYMENT SHALL BE BASED ON THE QUANTITY TOTAL OF ONE, REGARDLESS IF THE CONTRACTOR PREFERS TO USE SEPARATE SYSTEM FOR THE DIFFERENT REPAIR LOCATIONS.



SECTION A-A

TOTAL ESTIMATED QUANTITIES

	ITEM NUMBER	ITEM DESCRIPTION	ITEM UNIT	QUANTITY
1-02	206.5001	COFFERDAMS C-40-42	EACH	1
1-01	509.1500	CONCRETE SURFACE REPAIR	SF	94
1-01	SPV.0165	CONCRETE SURFACE REPAIR FULL-DEPTH	SF	15

ALL ITEMS ARE CATEGORY 0100.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

THE EXISTING STRUCTURE, C-40-42, TO BE REHABILITATED, IS A SINGLE CELL CONCRETE BOX CULVERT 9'-0" WIDE x 5'-0" HIGH x 307'-0"± LONG

"CONCRETE SURFACE REPAIR" QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE THE FIELD IDENTIFICATION AN DETERMINATION OF ALL REPAIR LOCATIONS WITH THE ENGINEER.

WISCONSIN
ERIC T. PRICE
E-39027
MADISON
WI
PROFESSIONAL ENGINEER
5/2/2025

BUREAU OF STRUCTURES CONTACT:
AARON BONK, P.E. (608) 261-0261

CONSULTANT CONTACT:
ERIC PRICE, P.E. (608) 826-6146

NO.	DATE	REVISION	BY

CORRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED EMK 05/09/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-40-42

STH 241/S. 27TH ST. OVER WATERWAY

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC. REHABILITATION N/A

DESIGNED BY	SAE	DESIGN CK'D.	ETP	DRAWN BY	TKB	PLANS CK'D.	ETP

GENERAL PLAN

SHEET 1 OF 1

FILE NAME : C:\OD\OneDrive - CORRE, Inc\01 Project Links\2025 C-40-042 under S 27th St Mlwky\500_CADD\Projects - 503_Structures\C-40-042_010 GPE.dgn

PLOT DATE : 5/2/2025 8:40:22 AM

PLOT SCALE : 1:2

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov