MKE

PROJECT ID: **2565-03-73**

WITH: N/A

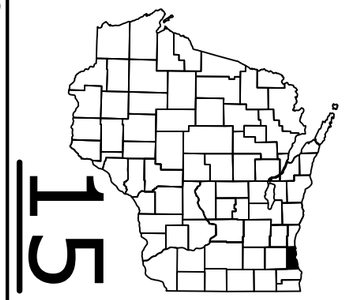
COUNTY: **MILWAUKEE**

NOVEMBER 2026

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
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 = 390



15

N

DESIGN DESIGNATION

A.A.D.T.	2027	=	11,260
A.A.D.T.	2047	=	11,260
D.H.V.		=	777
D.D.		=	59/41
T.		=	6.2%
DESIGN SPEED		=	45 M.P.H.
ESALS		=	1,480,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

MILWAUKEE - MEQUON

0.1 MI S OF FAIRLANE TO TEUTONIA

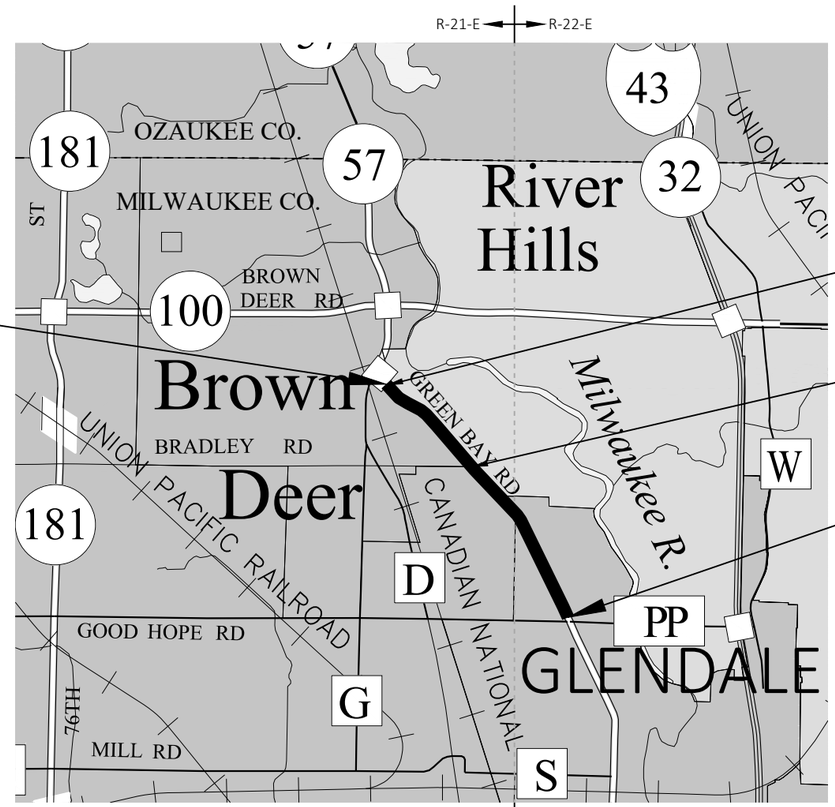
STH 57

MILWAUKEE

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2565-03-73	WISC 2027031	1

STATE PROJECT NUMBER

2565-03-73



STRUCTURE B-40-155

STRUCTURE C-40-078

END PROJECT
STA 137+81.52

T-8-N

T-8-N

BEGIN PROJECT
STA 33+00.00
X= 598,231.99
Y= 339,782.49

LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 1.985 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 G12A

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:

STRAND ASSOCIATES®
126 N JEFFERSON STREET, SUITE 350
MILWAUKEE, WISCONSIN 53202
(414) 271-0771

WISCONSIN
ZACHARY M SADOWSKI
E-48589
MILWAUKEE
WI
PROFESSIONAL ENGINEER

8/1/2026

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT SE REGION/STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	MARTIN VILLACA, P.E.
Regional Examiner	WISDOT SE REGION
Regional Supervisor	JOSH LEVEQUE, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/16/26 Martin E Villaca (Signature)

E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\010101-TI.DWG

PLOT DATE : 7/9/2026 9:28 AM

PLOT BY : KEMP, SILAS

PLOT NAME :

GENERAL NOTES

THE CENTERLINE OF STH 57 IS APPROXIMATELY THE MAINLINE REFERENCE LINE.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

COMPLETE FINAL RESTORATION OF DISTURBED AREAS WITHIN 14 DAYS OF DISTURBANCE OR TEMPORARY SEED AND MULCH WITHIN 5 DAYS OF DISTURBANCE.

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

WHEN THE QUANTITY OF BASE AGGREGATE DENSE IS MEASURED FOR PAYMENT IN TONS, THE DEPTH OR THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

THERE MAY BE UTILITY FACILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THAT AREA.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OPERATIONS REQUIRE THEIR REMOVAL OR UNLESS THE ENGINEER APPROVES THEIR REMOVAL.

DO NOT STORE EQUIPMENT OR MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS, OR WATERWAYS.

THE EXACT PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

CONTACT THE ENGINEER AND THE SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENTS.

UTILITY LINEWORK IDENTIFIED WITH "(?)" ARE APPROXIMATE AND HAVE NOT BEEN SURVEYED.

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR TRAFFIC SIGNALS PROVIDED BY WISDOT.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CONSTRUCTION DETAILS-SOUTHBRANCH CREEK
GRUBBING DETAILS
GUARDRAIL LAYOUT DETAILS
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
TRAFFIC SIGNAL
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR
ALIGNMENT DETAILS
SURVEY CONTROL

UTILITY CONTACTS

AT&T - WISCONSIN (COMMUNICATION LINE)
WILL SCHROEDER
435 S 95TH STREET
MILWAUKEE, WI 53214
PHONE: 414-379-7522
EMAIL: WS3060@ATT.COM

CITY OF GLENDALE (SEWER)
CHARLIE IMIG
5909 N MILWAUKEE RIVER PARKWAY
GLENDALE, WI 53209
PHONE: 414-228-1746
EMAIL: C.IMIG@GLENDALE-WI.GOV

CITY OF GLENDALE (WATER)
CHARLIE IMIG
5909 N MILWAUKEE RIVER PARKWAY
GLENDALE, WI 53209
PHONE: 414-228-1746
EMAIL: C.IMIG@GLENDALE-WI.GOV

EVERSTREAM (COMMUNICATION LINE)
ABBY BEATTIE
324 E WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
PHONE: 414-442-9427
EMAIL: ABBY.BEATTIE@BLUEBIRDFIBER.COM

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (SEWER)
JEREMY METZ
260 W SEEBOTH STREET
MILWAUKEE, WI 53204
PHONE: 414-225-2241
EMAIL: JMETZ@MMSD.COM

SPECTRUM (COMMUNICATION LINE)
BRYAN JANKOWSKI
1320 N DR. MARTIN LUTHER KING JR DRIVE
MILWAUKEE, WI 53203
PHONE: 414-239-5880
EMAIL: BRYAN.JANKOWSKI@CHARTER.COM

VILLAGE OF BROWN DEER (SEWER)
MATTHEW MAEDERER
8717 N 43RD STREET
BROWN DEER, WI 53209
PHONE: 414-357-0120
EMAIL: MMAEDERER@BROWNDEERWI.ORG

VILLAGE OF BROWN DEER (WATER)
MIRANDA DURBIN
4800 W GREEN BROOK DRIVE
BROWN DEER, WI 53223
PHONE: 414-374-1903
MIRANDA.DURBIN@CITYWATERUSA.COM

VILLAGE OF RIVER HILLS (SEWER)
CRAIG SCHROEDER
7650 N PHEASANT LANE
RIVER HILLS, WI 53217
PHONE: 414-352-0080
EMAIL: CSCHROEDER@RIVERHILLSWI.GOV

WE ENERGIES (ELECTRICITY)
LAUREL RICE
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE: 414-410-5218
EMAIL: LAUREL.RICE1@WE-ENERGIES.COM

WE ENERGIES (GAS)
JEANNETTE SCHULTZ
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE: 414-365-6421
EMAIL: JEANNETTE.SCHULTZ@WE-ENERGIES.COM

NON-UTILITY CONTACTS

WISDOT
SIGNALS
JOYCE MURPHY
PHONE: 262-548-5933
EMAIL: JOYCE.MURPHY@DOT.WI.GOV

MILWAUKEE COUNTY DOT
SIGNALS
DANIEL MURPHY
10930 W LAPHAM STREET
WEST ALLIS, WI 53214
PHONE: 414-257-5934
EMAIL: DANIEL.MURPHY
@MILWAUKEECOUNTYWI.GOV

MILWAUKEE COUNTY DOT
KEVIN KENT
HIGHWAY SUPERINTENDENT
10320 W WATERTOWN PLANK ROAD, 1ST FLOOR
WAUWATOSA, WI 53226
PHONE: 262-257-6580
EMAIL: KEVIN.KENT@MILWAUKEE COUNTYWI.GOV

MILWAUKEE COUNTY DOT
ANDREA WEDDLE-HENNING
DIRECTOR OF TRANSPORTATION ENGINEERING
10930 W LAPHAM STREET
WEST ALLIS, WI 53214
PHONE: 414-257-5934
EMAIL: ANDREA.WEDDLE-HENNING
@MILWAUKEE COUNTYWI.GOV

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

SEWRPC CONTACT

ANDY TRAEGER (CONSTRUCTION COORDINATOR)
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
(262) 953-4296
ATRAEGER@SEWRPC.ORG

WISCONSIN DNR LIAISON

RYAN PAPPAS
SE REGION HEADQUARTERS
1027 W ST. PAUL AVENUE
MILWAUKEE, WI 53233
(414) 750-7495
RYAN.PAPPAS@WISCONSIN.GOV

WISDOT REGION CONTACT

MARTIN VILLACA, P.E.
WISDOT SOUTHEAST REGION
WAUKESHA OFFICE
141 NW BARSTOW STREET
WAUKESHA, WI 53187
(262) 548-6456
MARTIN.VILLACA@DOT.WI.GOV

DESIGN CONSULTANT

ZACHARY SADOWSKI, P.E.
STRAND ASSOCIATES, INC.
126 N. JEFFERSON STREET, SUITE 350
MILWAUKEE, WI 53202
(414) 271-0771
ZACH.SADOWSKI@STRAND.COM

2

2

N

CITY OF GLENDALE

CITY OF MILWAUKEE

VILLAGE OF BROWN DEER

VILLAGE OF RIVER HILLS

BEGIN PROJECT
STA 33+00.00
X: 598,231.99
Y: 339,782.49

BEGIN CONSTRUCTION
STA 30+64.38

SIDEWALK IMPROVEMENTS

BEGIN PATH

END PATH

SIGNAL IMPROVEMENTS

GUARDRAIL IMPROVEMENTS

STRUCTURE C-40-078
(SEE STRUCTURE PLANS FOR
ADDITIONAL INFORMATION)

STRUCTURE B-40-155
(SEE STRUCTURE PLANS FOR
ADDITIONAL INFORMATION)

SIDEWALK IMPROVEMENTS

END PROJECT
STA 137+81.52

END CONSTRUCTION
STA 140+46.72

MUNICIPAL BOUNDARY (TYP.)

BROWN DEER PARK

MILWAUKEE RIVER

STH 57/GREEN BAY AVE

STH 57/GREEN BAY RD

GOOD HOPE RD

HEMLOCK AVE

WENDING DR

RANGE LINE RD

FAIRLANE AVE

DUNWOOD RD

BRADLEY RD

PELICAN LN

37TH ST

KIRCHHOFF AVE

CEDARBURG RD

TEUTONIA AVE

GREEN BAY CT

GREEN BAY RD

BROWN DEER RD

COUNTY D

COUNTY G

COUNTY PP

57

100

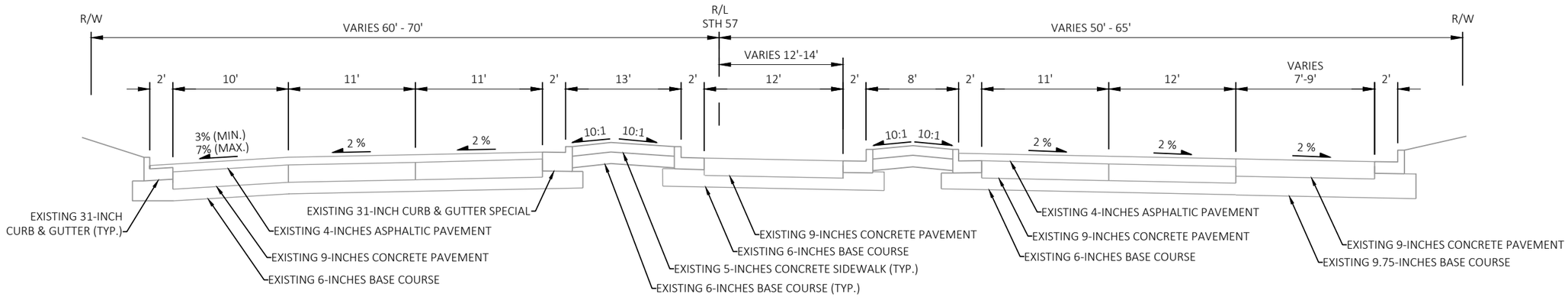
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 7/31/2026 11:14 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:1000 FT

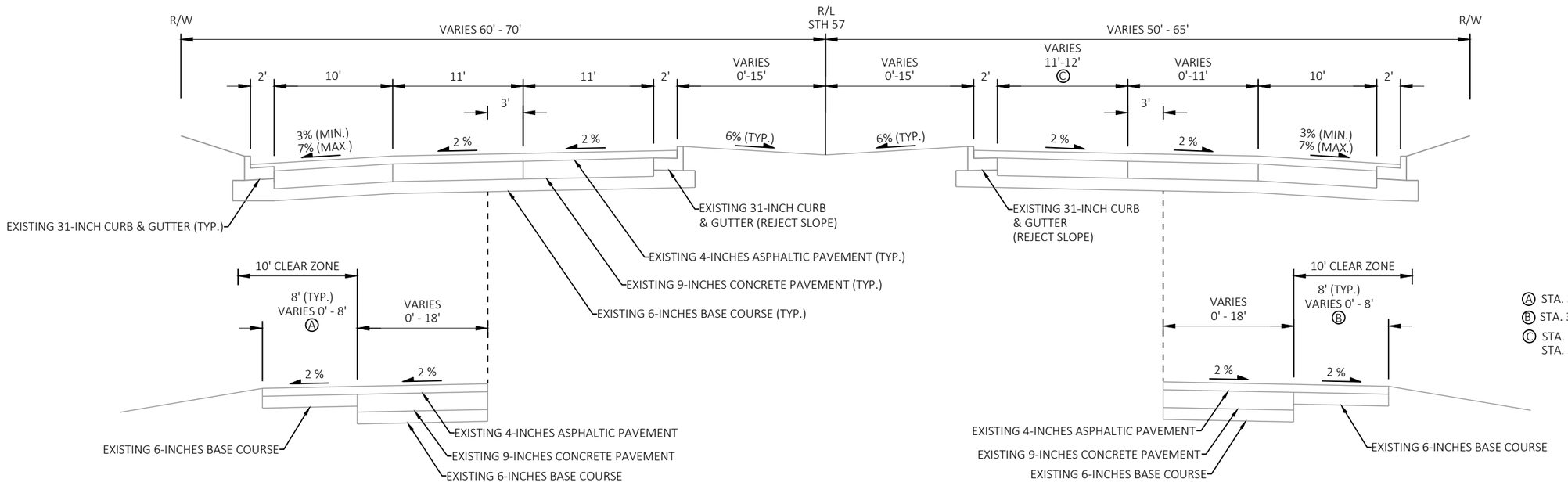
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION

STA 30+50 - 31+40



Ⓐ STA. 33+60 TO STA. 34+60 = 0' TO 8'
Ⓑ STA. 32+10 TO STA. 33+50 = 0' TO 8'
Ⓒ STA. 31+40 TO STA. 34+25 = 11'
STA. 34+25 TO STA. 36+50 = 11' TO 12'

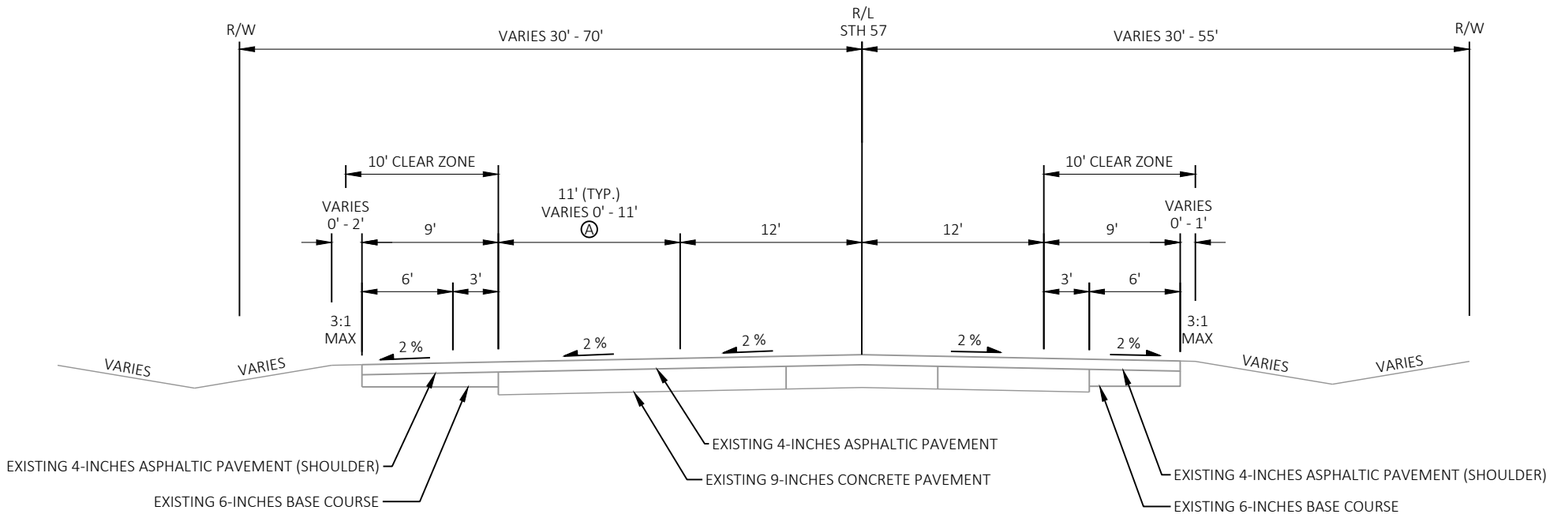
STA 33+60 TO STA 36+50

STA 32+10 TO STA 36+50

EXISTING TYPICAL SECTION

STA 31+40 - 36+50

2



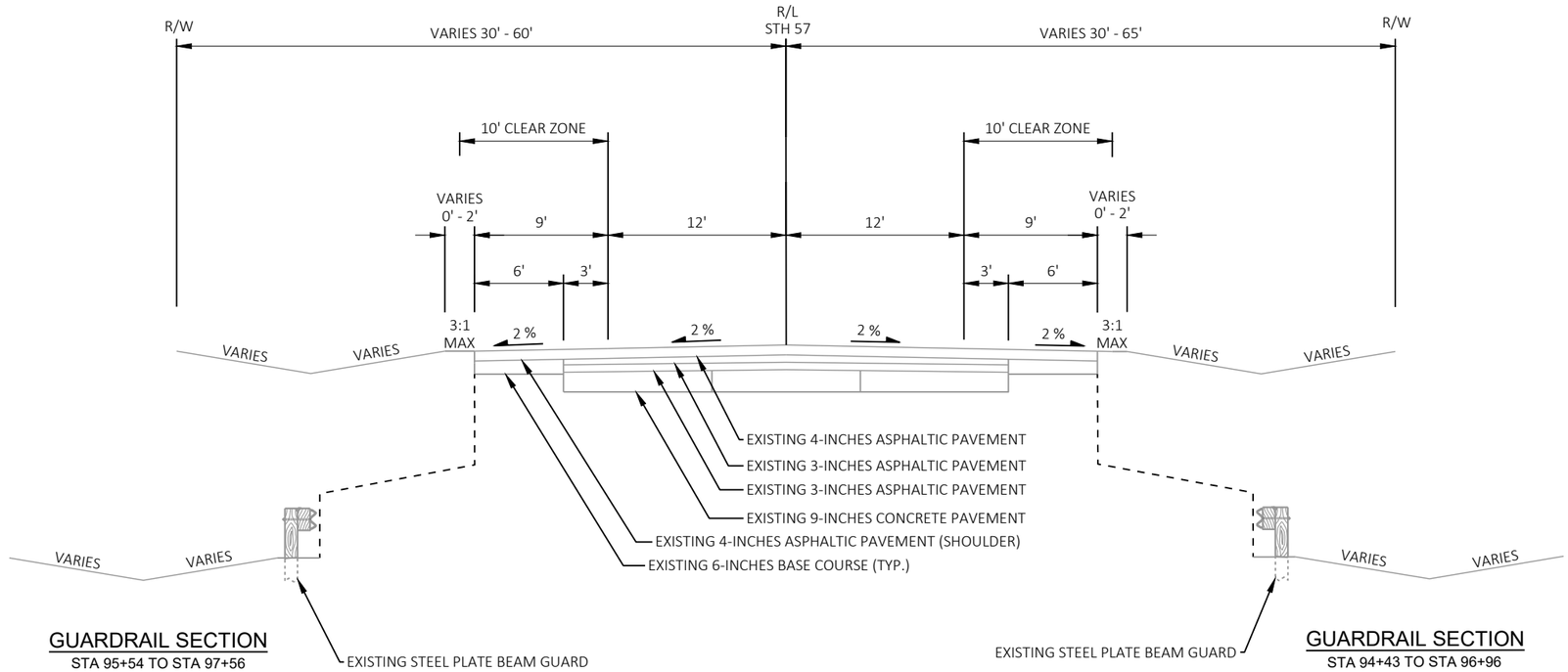
EXISTING TYPICAL SECTION

STH 57
STA 36+50 TO 40+00

Ⓐ STA. 36+50 TO STA. 38+25 = O' TO 11'

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 5	E

2



GUARDRAIL SECTION
STA 95+54 TO STA 97+56

GUARDRAIL SECTION
STA 94+43 TO STA 96+96

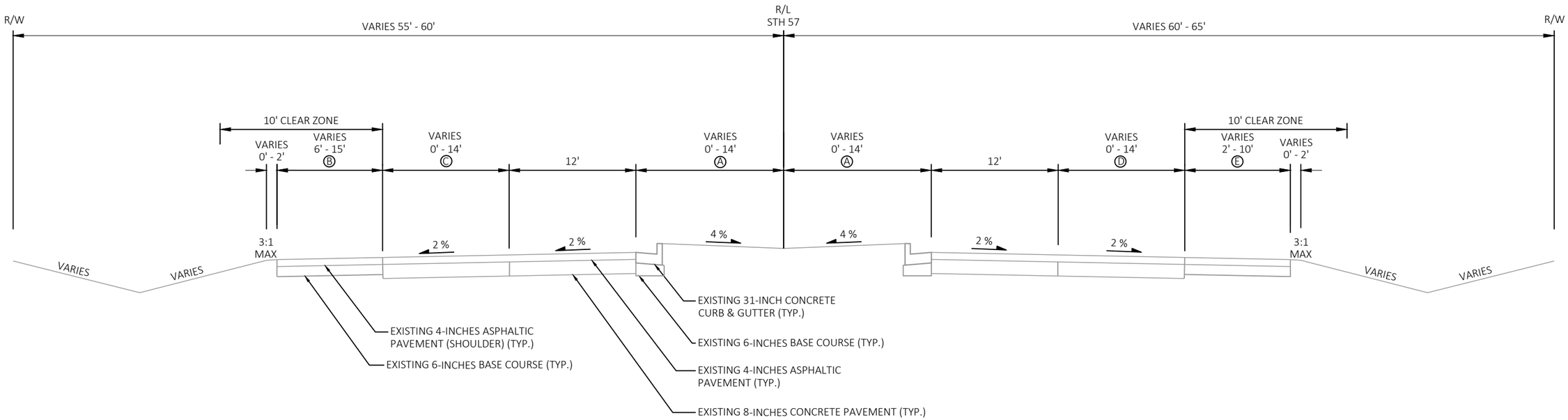
EXISTING TYPICAL SECTION

STH 57
STA 40+00 TO 124+00

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\020301-TS.DWG
LAYOUT NAME - 020303-ts
PLOT DATE : 7/29/2026 10:27 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



EXISTING TYPICAL SECTION

STA 124+00 - 129+66

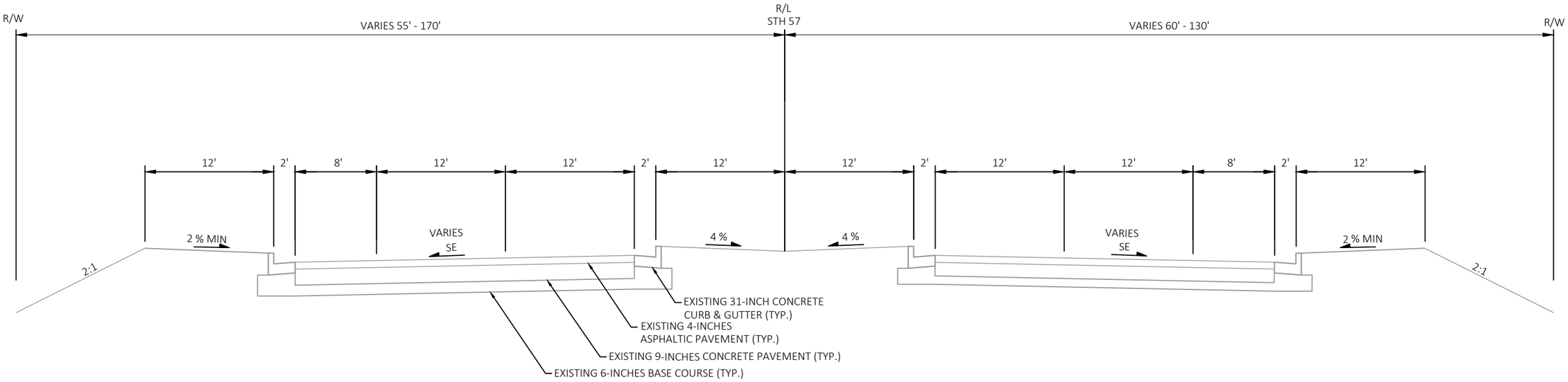
Ⓐ STA. 124+00 TO STA. 125+90 = 0'
STA. 125+90 TO STA. 129+66 = 0' TO 14'

Ⓑ STA. 124+00 TO STA. 125+00 = 6'
STA. 125+00 TO STA. 129+66 = 6' TO 15'

Ⓒ STA. 124+00 TO STA. 129+46 = 0' TO 14'
STA. 129+46 TO STA. 129+66 = 14'

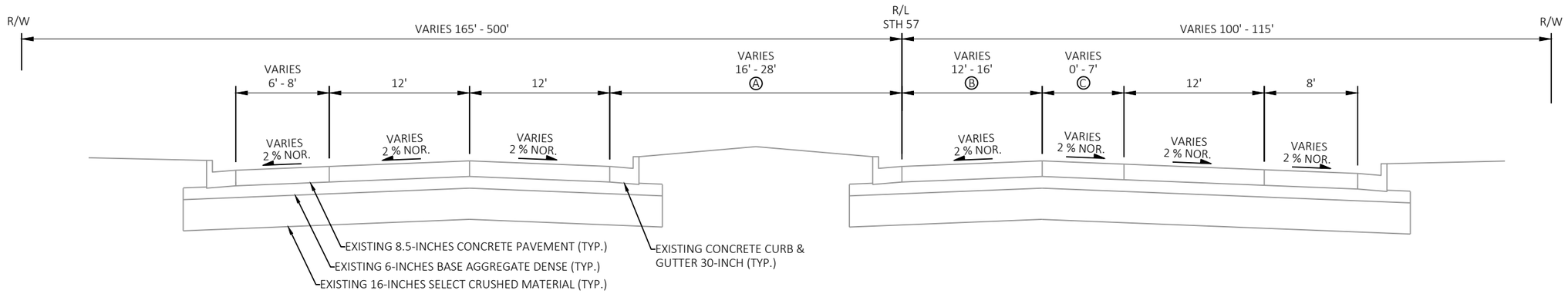
Ⓓ STA. 124+00 TO STA. 126+00 = 0' TO 14'
STA. 126+00 TO STA. 129+66 = 14'

Ⓔ STA. 124+00 TO STA. 126+00 = 10' TO 2'
STA. 126+00 TO STA. 127+00 = 2'
STA. 127+00 TO STA. 129+66 = 2' TO 10'



EXISTING TYPICAL SECTION

STA 129+66 - 137+82



EXISTING TYPICAL SECTION

STA 137+82 - 140+47

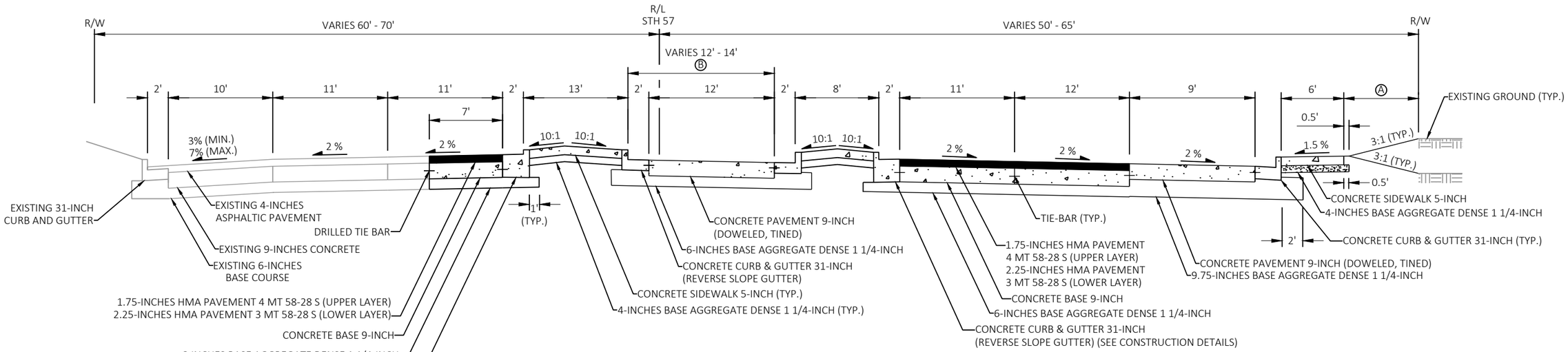
Ⓐ STA. 138+38 TO STA. 140+00 = 28' TO 16'
STA. 140+00 TO STA. 140+47 = 16' TO 18'

Ⓑ STA. 137+82 TO STA. 138+37 = 12'
STA. 138+37 TO STA. 139+66 = 12' TO 16'
STA. 139+66 TO STA. 140+47 = 16'

Ⓒ STA. 137+82 TO STA. 138+37 = 0'
STA. 138+37 TO STA. 139+66 = 0' TO 7'

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E

2



FINISHED TYPICAL SECTION

STA 30+50 - 31+40

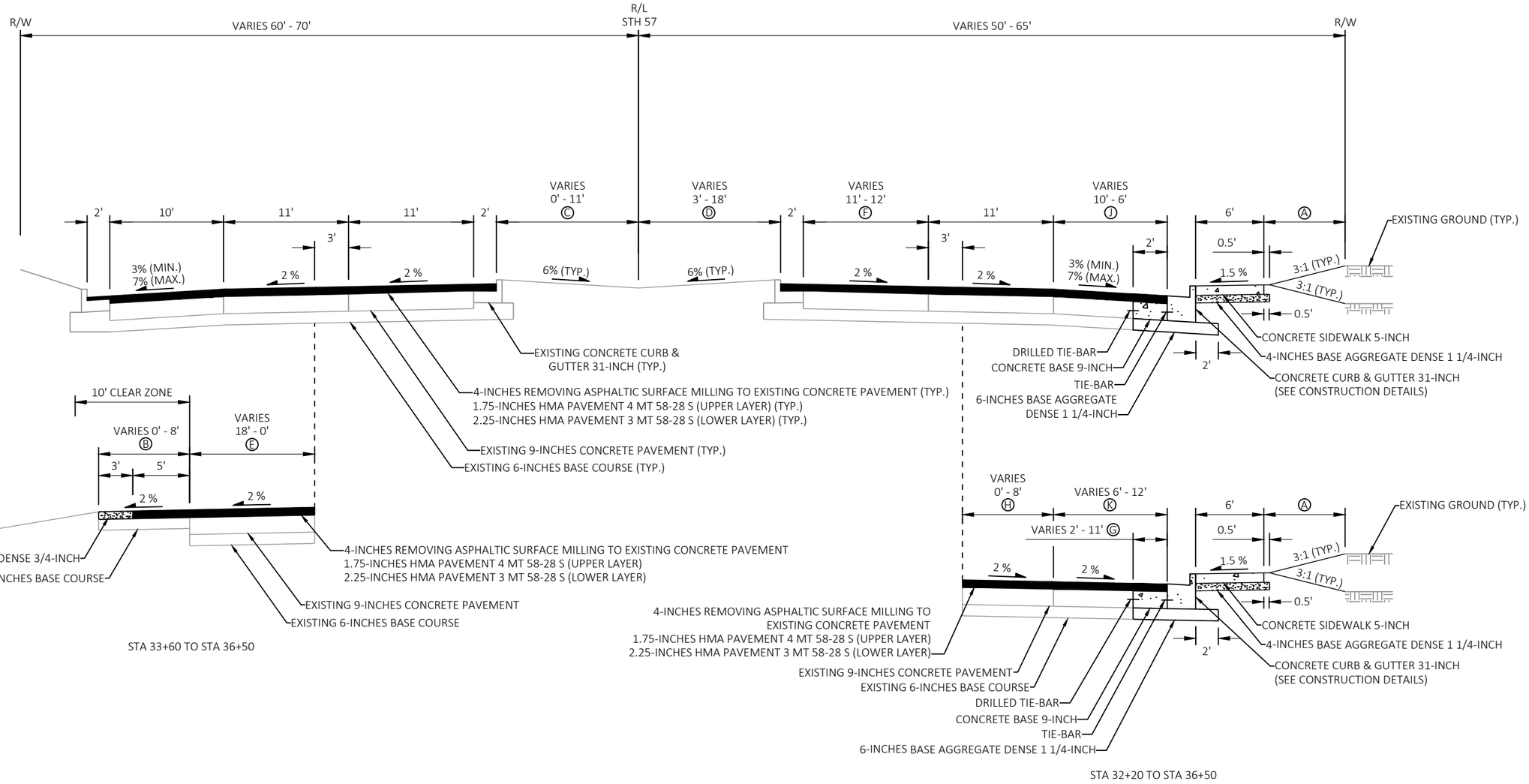
Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

Ⓑ STA. 30+74 TO STA. 31+40 = 14' TO 12'

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\020301-TS.DWG
LAYOUT NAME - 020306a-ts

PLOT DATE : 7/29/2026 10:27 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT



STA 33+60 TO STA 36+50

STA 32+20 TO STA 36+50

FINISHED TYPICAL SECTION

STA 31+40 - 36+50
(STH 57 ASPHALT OVERLAY BEGINS AT STA 33+00)

Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

Ⓑ STA. 33+60 TO STA. 34+00 = 0' TO 8'
STA. 34+00 TO STA. 36+50 = 8'

Ⓒ STA. 33+47 TO STA. 35+14 = 11' TO 0'

Ⓓ STA. 33+47 TO STA. 36+50 = 18' TO 3'

Ⓔ STA. 33+60 TO STA. 36+50 = 18' TO 0'

Ⓕ STA. 31+40 TO STA. 34+25 = 11'
STA. 34+25 TO STA. 36+50 = 11' TO 12'

Ⓖ STA. 32+20 TO STA. 33+21 = 2'
STA. 33+21 TO STA. 34+26 = 2' TO 6'
STA. 34+26 TO STA. 35+10 = 6'
STA. 35+10 TO STA. 35+60 = 6' TO 11'
STA. 35+60 TO STA. 36+50 = 11' TO 10'

Ⓗ STA. 32+20 TO STA. 34+25 = 8'
STA. 34+25 TO STA. 36+50 = 8' TO 0'

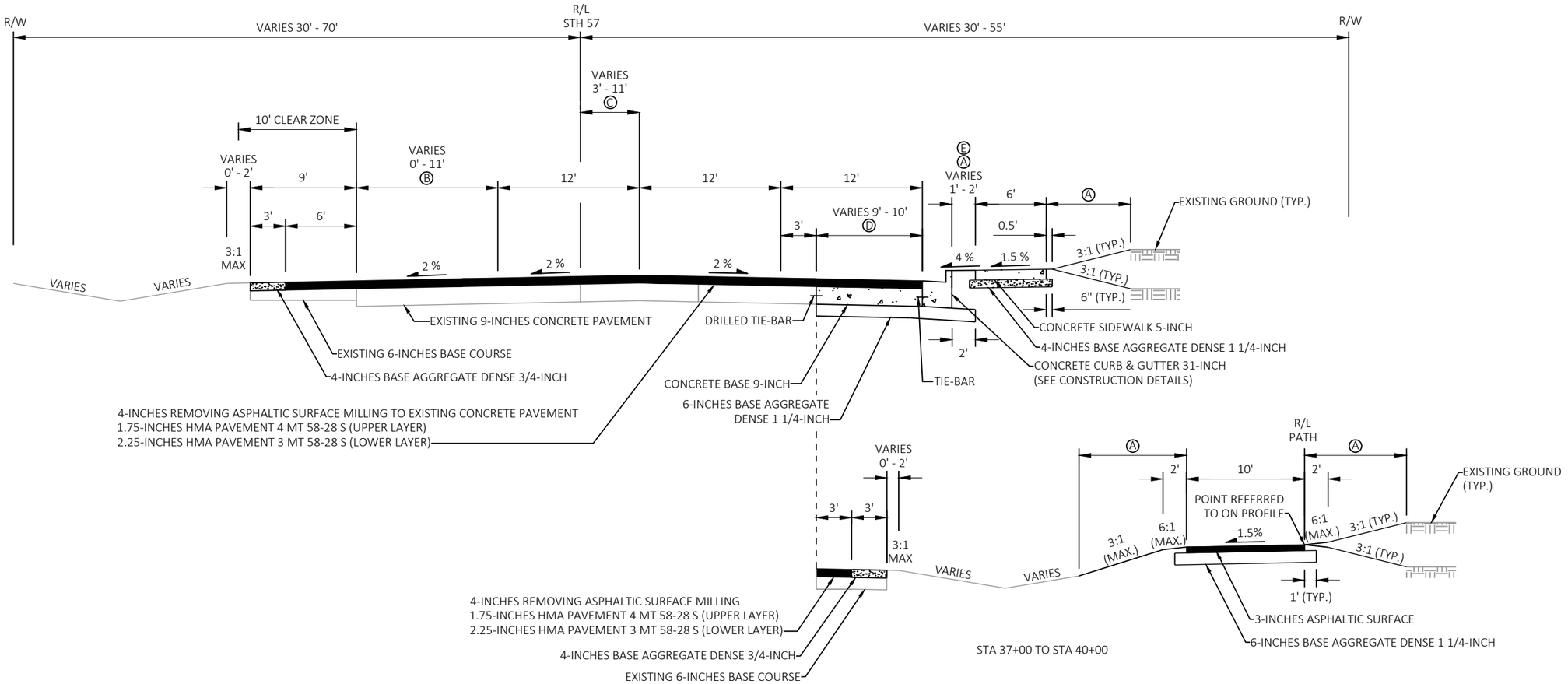
Ⓙ STA. 31+40 TO STA. 32+20 = 10' TO 6'

Ⓚ STA. 32+20 TO STA. 35+20 = 6'
STA. 35+20 TO STA. 35+59 = 6' TO 12'
STA. 35+59 TO STA. 36+50 = 12'

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\020301-TS.DWG
LAYOUT NAME - 020306-ts
PLOT DATE : 7/29/2026 10:27 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



FINISHED TYPICAL SECTION

STH 57
STA 36+50 TO 40+00

Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

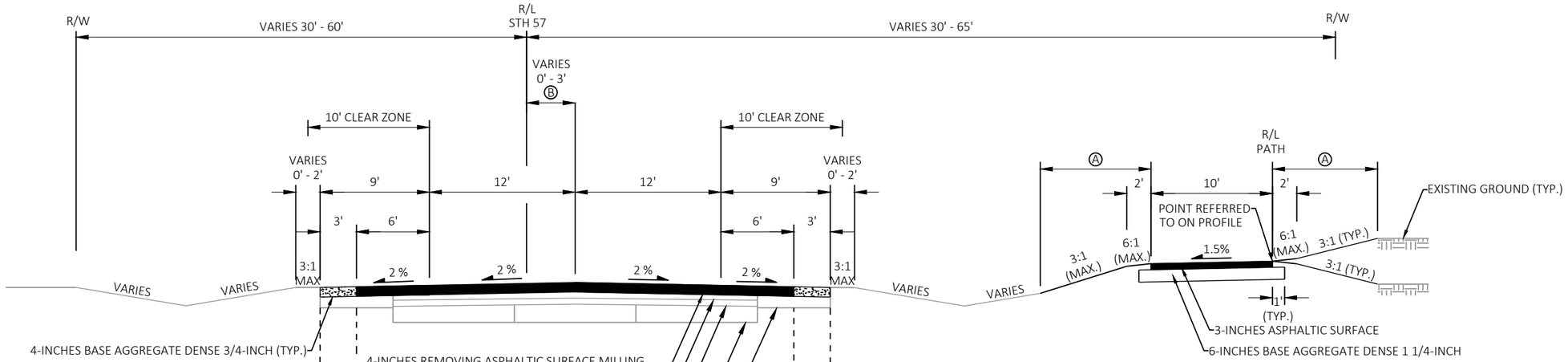
Ⓑ STA. 36+50 TO STA. 38+25 = O' TO 11'

Ⓒ STA. 36+50 TO STA. 40+00 = 3' TO 11'

Ⓓ STA. 36+50 TO STA. 37+00 = 9' TO 10'

Ⓔ STA. 36+50 TO STA. 37+00 = 1' TO 2'

2



Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

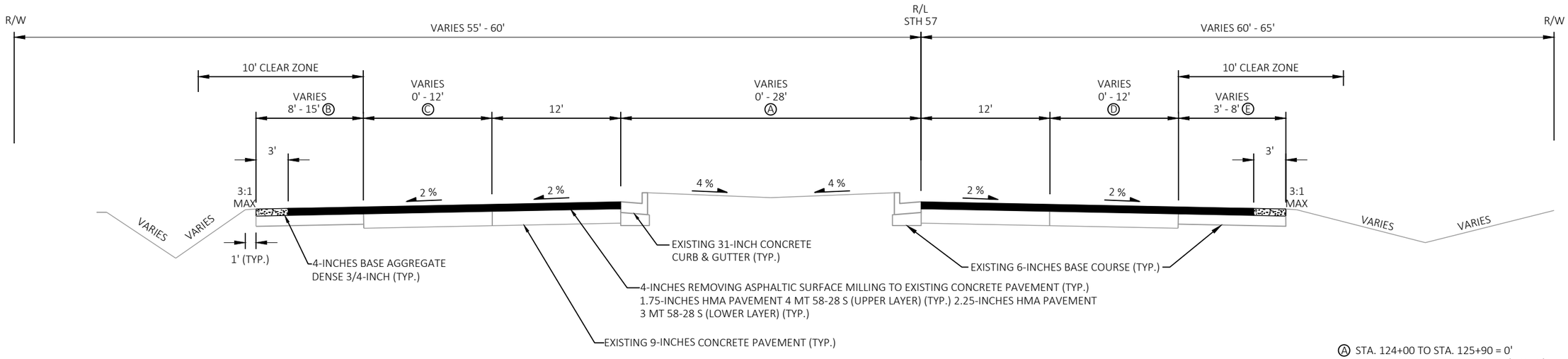
Ⓑ STA. 40+00 TO STA. 42+00 = 3' TO 0'
STA. 42+00 TO STA. 119+50 = 0'
STA. 119+50 TO STA. 124+00 = 0' TO 2'

FINISHED TYPICAL SECTION

STH 57
STA 40+00 - 124+00

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 12	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\020301-TS.DWG
LAYOUT NAME - 020308-ts
PLOT DATE : 7/29/2026 10:27 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



FINISHED TYPICAL SECTION

STA 124+00 - 129+66

Ⓐ STA. 124+00 TO STA. 125+90 = 0'
STA. 125+90 TO STA. 129+66 = 0' TO 28'

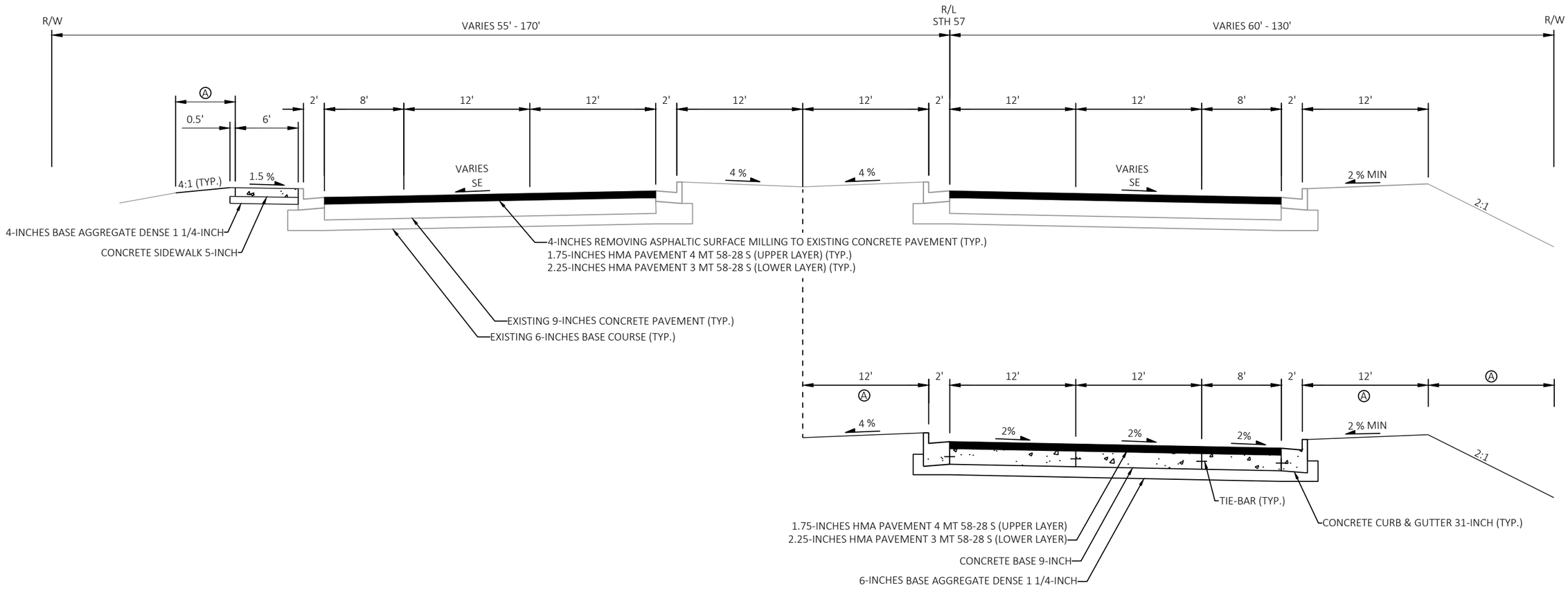
Ⓑ STA. 124+00 TO STA. 125+00 = 8'
STA. 125+00 TO STA. 129+66 = 8' TO 15'

Ⓒ STA. 124+00 TO STA. 129+46 = 0' TO 12'
STA. 129+46 TO STA. 129+66 = 12'

Ⓓ STA. 124+00 TO STA. 126+00 = 0' TO 12'
STA. 126+00 TO STA. 129+66 = 12'

Ⓔ STA. 124+00 TO STA. 126+00 = 8' TO 3'
STA. 126+00 TO STA. 127+00 = 3'
STA. 127+00 TO STA. 129+66 = 3' TO 8'

2



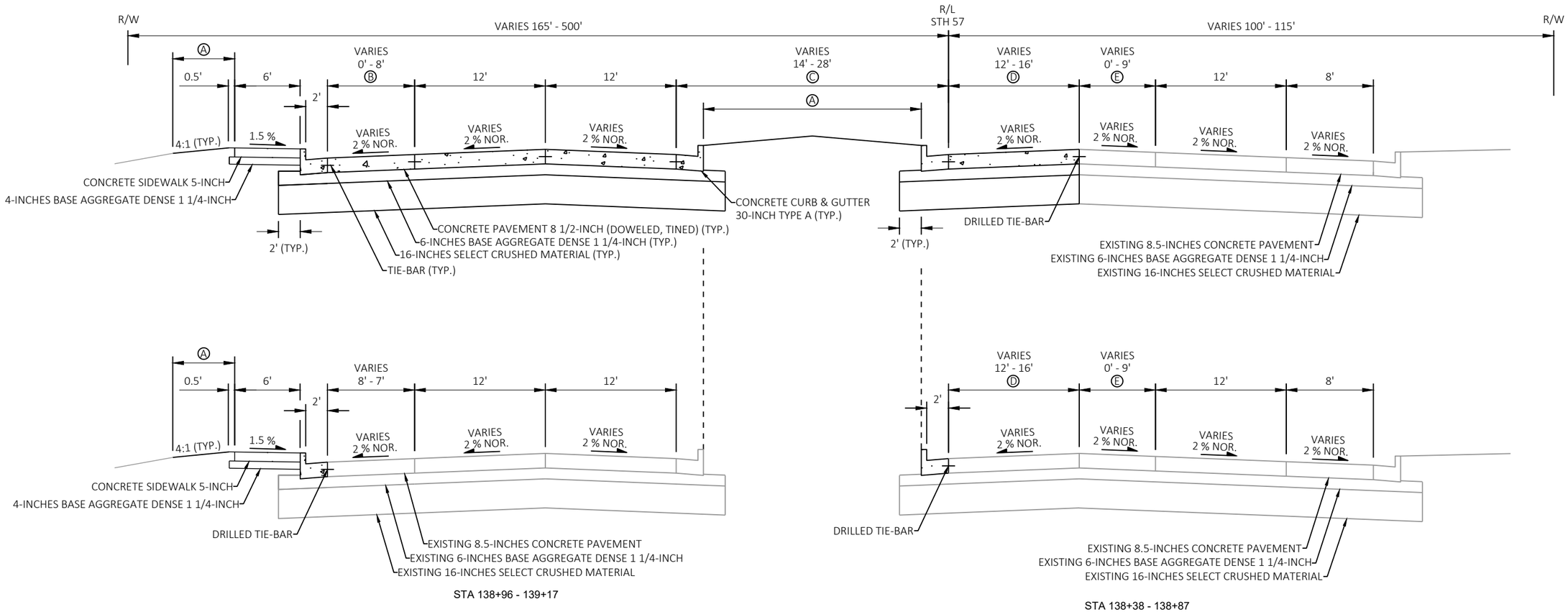
STA 129+66 TO STA 130+13

FINISHED TYPICAL SECTION

STA 129+66 - 137+82

Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

2



STA 138+96 - 139+17

STA 138+38 - 138+87

FINISHED TYPICAL SECTION

STA 138+38 - 139+85

Ⓐ TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS I TYPE B

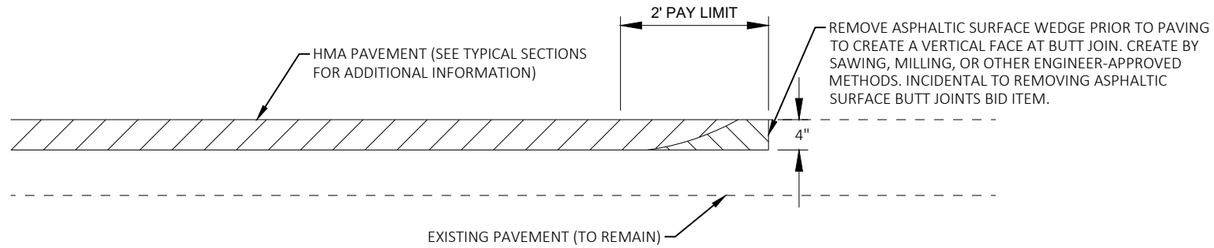
Ⓑ STA. 138+96 TO STA. 139+21 = 8' TO 7'
STA. 139+21 TO STA. 139+58 = 7' TO 6'
STA. 139+58 TO STA. 140+00 = 6' TO 0'
STA. 140+00 TO STA. 140+47 = 0'

Ⓒ STA. 138+38 TO STA. 140+00 = 28' TO 14'
STA. 140+00 TO STA. 140+47 = 14' TO 18'

Ⓓ STA. 137+82 TO STA. 138+37 = 12'
STA. 138+37 TO STA. 139+66 = 12' TO 16'
STA. 139+66 TO STA. 140+47 = 16'

Ⓔ STA. 137+82 TO STA. 138+37 = 0'
STA. 138+37 TO STA. 139+66 = 0' TO 9'

NOT TO SCALE



REMOVE MATERIAL UNDER ITEM 'REMOVING ASPHALTIC SURFACE BUTT JOINT'

REMOVING ASPHALTIC SURFACE MILLING

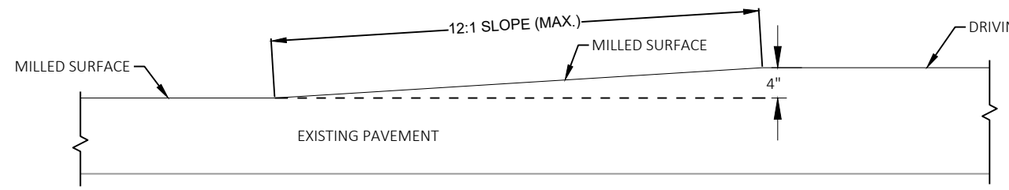
BUTT JOINTS DETAIL (NO PROFILE CHANGE)

SIDEROADS:

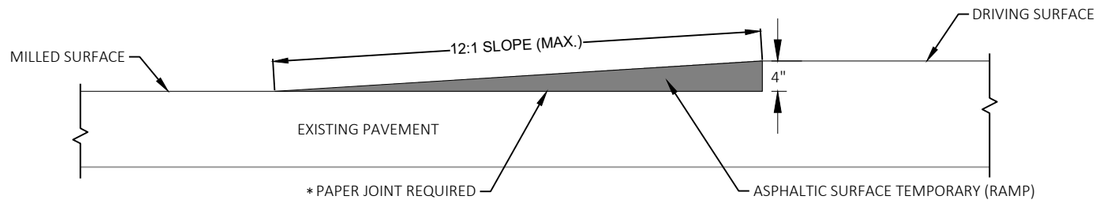
STA 37+00 RT
STA 45+00 LT/RT
STA 55+00 LT
STA 65+32 RT
STA 94+70 LT/RT
STA 102+70 LT/RT
STA 120+90 LT
STA 121+15 LT
STA 132+55 LT
STA 137+16 RT

DRIVEWAYS:

STA 33+45 LT
STA 37+25 LT
STA 38+15 LT
STA 38+70 LT
STA 40+55 LT
STA 66+38 LT
STA 80+00 LT/RT
STA 82+60 RT
STA 85+10 RT
STA 86+90 RT
STA 87+52 RT
STA 90+05 RT
STA 98+25 RT
STA 111+66 RT
STA 112+08 LT
STA 115+03 RT
STA 119+10 RT
STA 124+35 LT
STA 125+55 RT



MILLED RAMP OPTION



ASPHALTIC SURFACE TEMPORARY RAMP OPTION

NOTES:

1. 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.
2. MILLING RAMP PAID AS 'REMOVING ASPHALTIC SURFACE BUTT JOINTS'.
3. PAVING OF ASPHALTIC SURFACE TEMPORARY RAMP PAID AS 'ASPHALTIC SURFACE TEMPORARY'.
4. REMOVAL OF RAMPS PAID AS 'REMOVING ASPHALTIC SURFACE BUTT JOINTS'.

*NOT PAID FOR SEPARATELY

PROTECTION FOR DROP-OFFS

TRANSVERSE DROP OFFS GREATER THAN 2-INCHES

MAINLINE:
STA 33+00
STA 137+82

SIDEROADS:
STA 72+70 LT/RT

NOTES:

PERFORM REMOVING ASPHALTIC SURFACE MILLING PRIOR TO ASPHALTIC REPAIR.

BASE PATCHING CONCRETE HES SHALL HAVE A MINIMUM WIDTH MATCHING THE LANE WIDTH. SEE STANDARD DETAIL DRAWING "BASE PATCHING CONCRETE" FOR ADDITIONAL INFORMATION.

CONCRETE PAVEMENT PARTIAL DEPTH REPAIR JOINT REPAIR, AND CONCRETE PAVEMENT PARTIAL DEPTH REPAIR CRACK REPAIR SHALL BE AS DIRECTED BY ENGINEER.

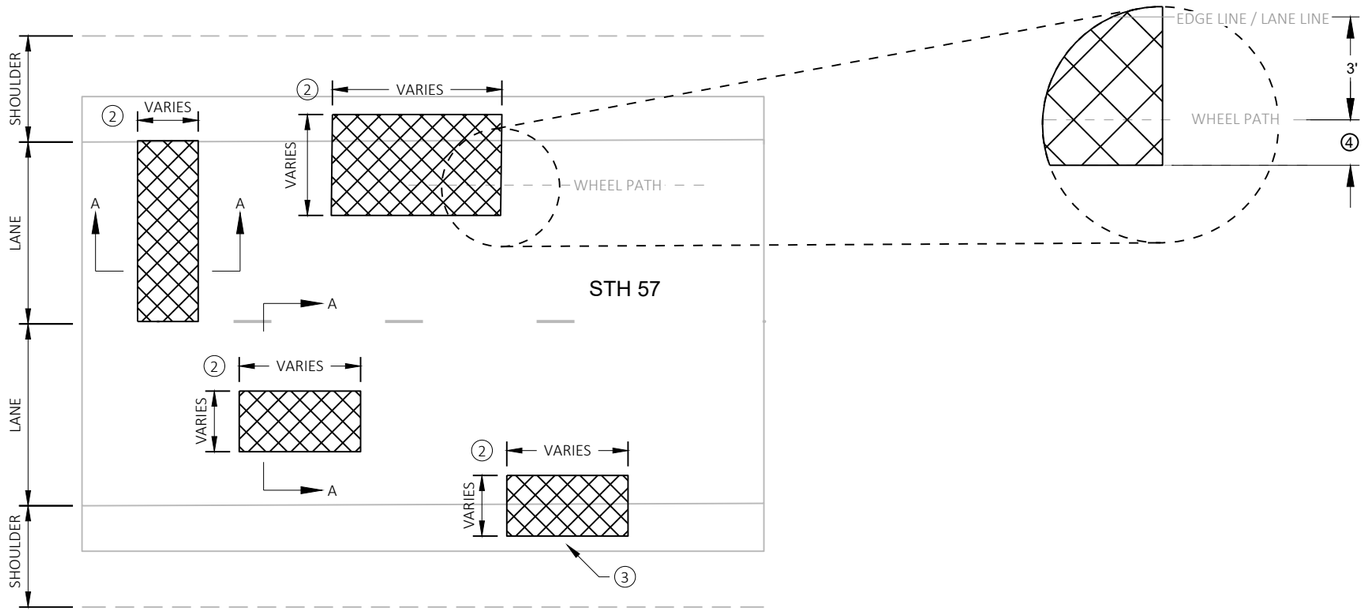
(1) MILLED VERTICAL EDGES ARE ACCEPTABLE, SAW CUTS ARE NOT REQUIRED.

(2) THE SMALLEST DIMENSION OF ASPHALTIC REPAIR IS 4 FEET IN ANY DIRECTION.

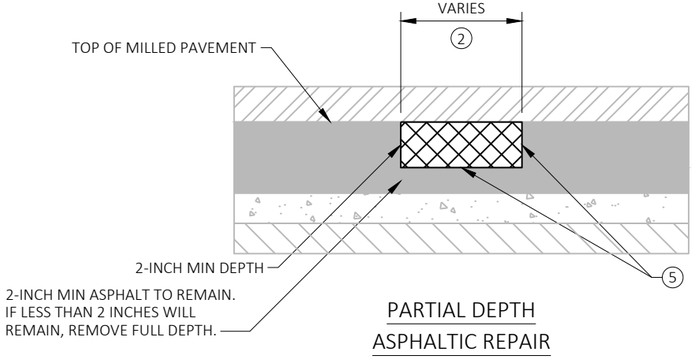
(3) WHEN THE DISTANCE FROM THE EDGE OF PAVEMENT TO EDGE OF ASPHALTIC REPAIR IS LESS THAN 1-FOOT, EXTEND THE ASPHALTIC REPAIR TO THE EDGE OF PAVEMENT.

(4) LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.

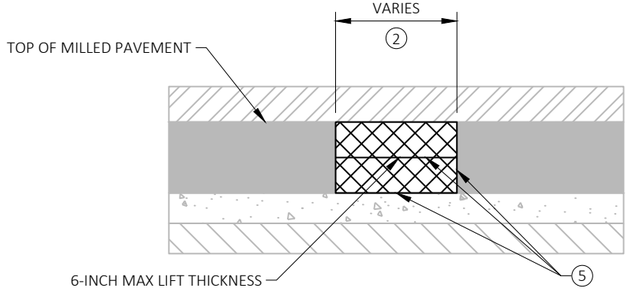
(5) APPLY TACK COAT TO BOTTOM AND VERTICAL EDGES



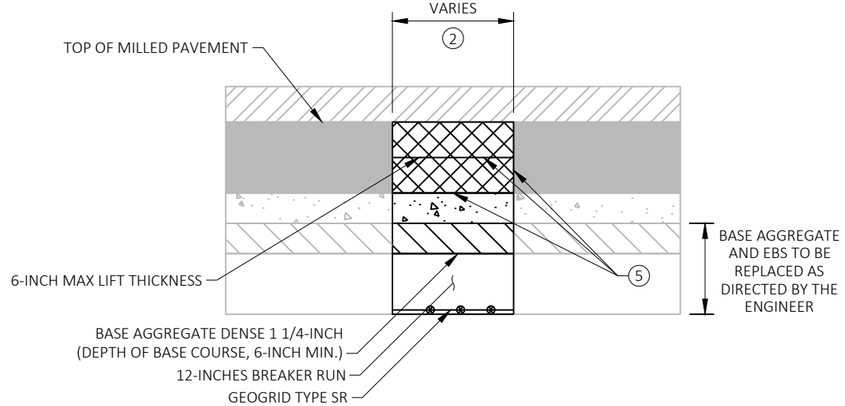
PLAN VIEW



PARTIAL DEPTH
ASPHALTIC REPAIR



FULL DEPTH
ASPHALTIC REPAIR



FULL DEPTH
ASPHALTIC REPAIR,
BASE PATCHING CONCRETE HES, AND
EXCAVATION BELOW SUBGRADE

REMOVING ASPHALTIC SURFACE MILLING

ASPHALTIC REPAIR

EXISTING ASPHALT (TO REMAIN)

EXISTING CONCRETE (TO REMAIN)

REMOVING PAVEMENT FOR BASE PATCHING, AND
BASE PATCHING CONCRETE HES

EXISTING BASE COURSE (TO REMAIN)

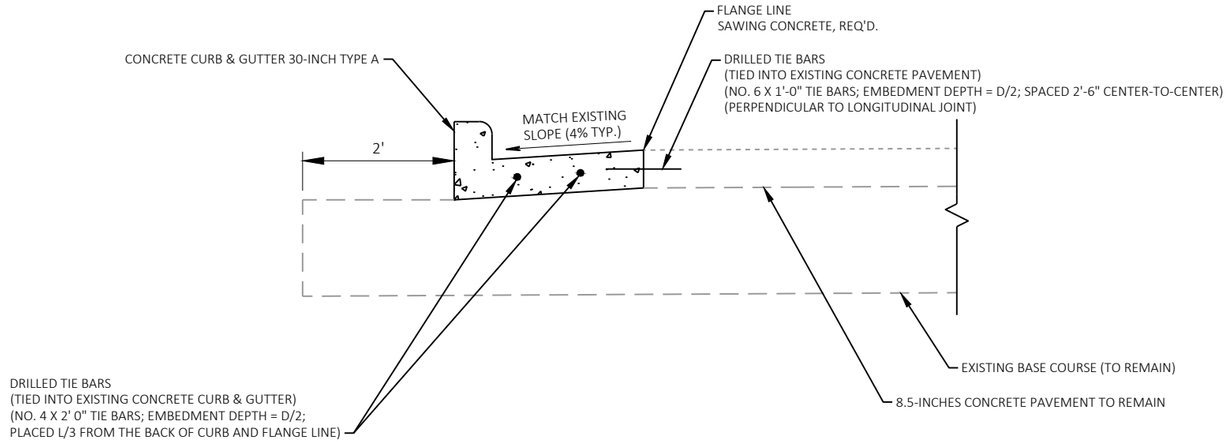
BASE COURSE

SECTION A-A

BASE PATCHING AND EXCAVATION BELOW SUBGRADE

LOCATIONS AND LIMITS DETERMINED BY THE ENGINEER IN THE FIELD

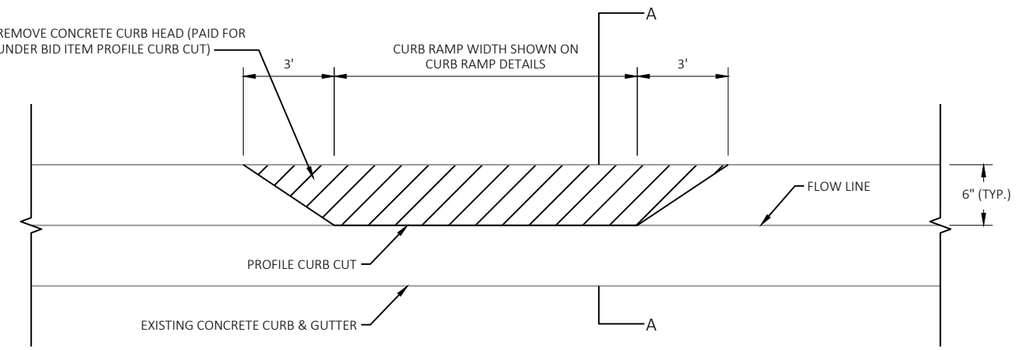
NOT TO SCALE



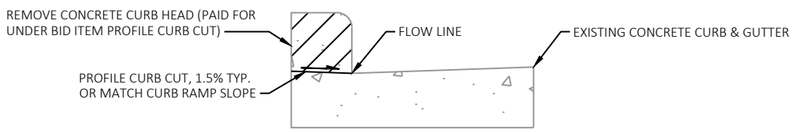
CONCRETE CURB & GUTTER SPOT REPLACEMENT

STA. 138+97 TO STA. 139+79 LT

NOT TO SCALE



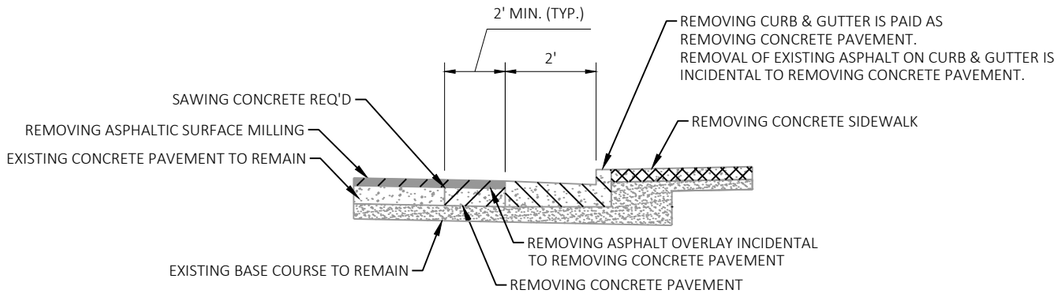
FRONT VIEW



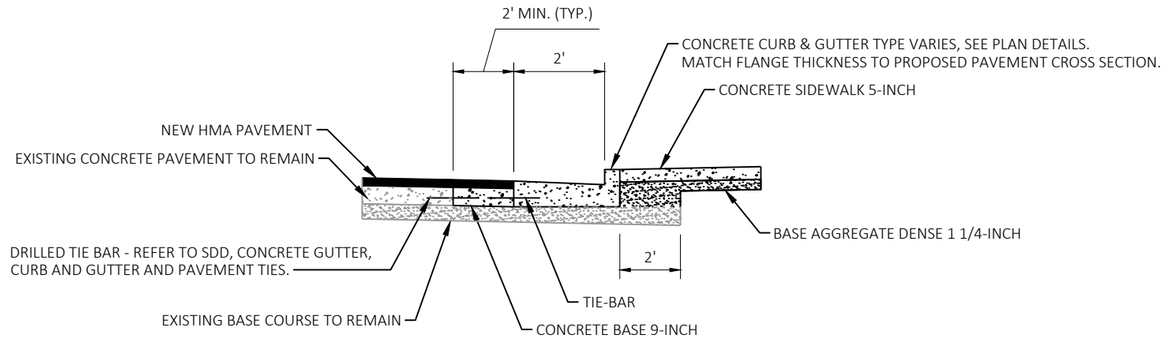
SECTION A-A

PROFILE CURB CUT DETAIL

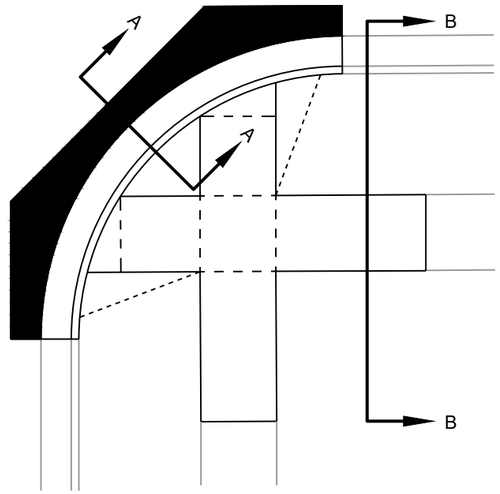
STA. 71+55
STA. 72+54
STA. 72+96
STA. 73+04
STA. 73+50
STA. 73+57
STA. 132+93
STA. 139+90



SECTION A-A
REMOVAL



SECTION A-A
PROPOSED



PLAN VIEW



RESTORATION. SEE TYPICAL SECTIONS.

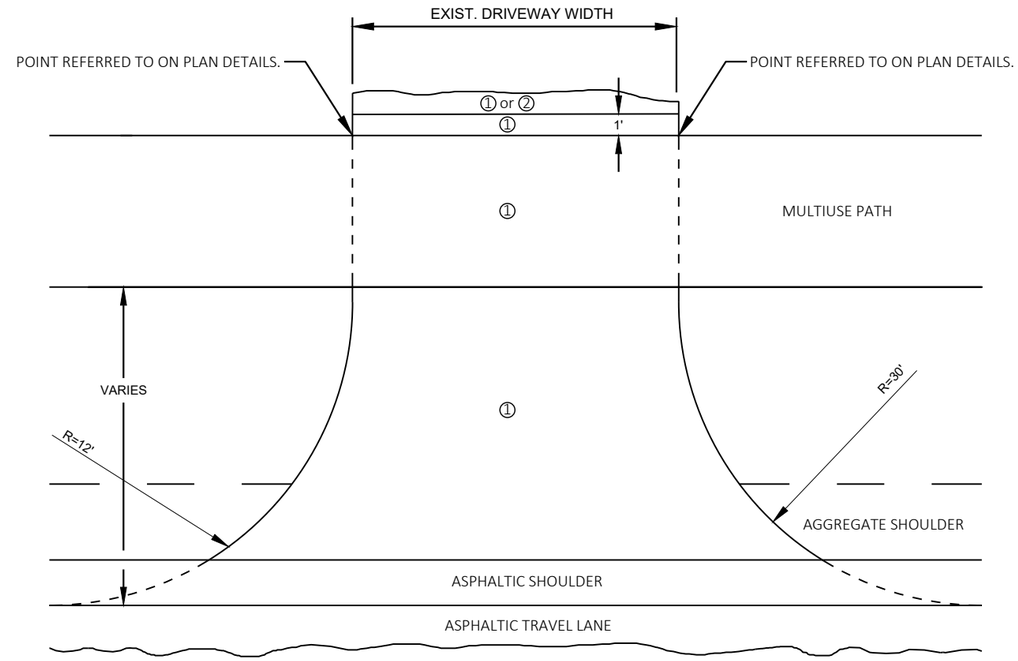
SECTION B-B
PROPOSED

NOTES:
1. SEE PLAN DETAILS FOR CURB & GUTTER SIZE AND GUTTER PAN SLOPES.
2. INSTALL 2 DRILLED TIE BARS AT EACH CONNECTION TO EXISTING CURB & GUTTER.
3. SUPPLEMENT BASE AGGREGATE AFTER REMOVAL OF PAVEMENT AND CURB AND GUTTER AS NEEDED TO REACH PLAN GRADES. PAID AS BASE AGGREGATE DENSE 1 1/4-INCH

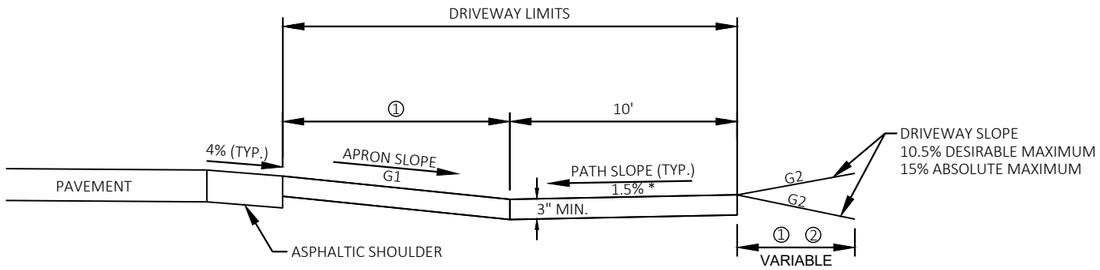
CURB AND GUTTER RETROFIT

ADJACENT TO CONCRETE PAVEMENT WITH ASPHALT OVERLAY

NOT TO SCALE



PLAN VIEW



TYPICAL DRIVEWAY SECTION

DRIVEWAY ENTRANCE WITH MULTIUSE PATH DETAIL

STA. 38+51 RT

① MATCH EXISTING ASPHALT THICKNESS (3-INCH MIN.) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

② 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

* = ±0.5%

APRON SLOPE (G1) = 4.0% DESIRABLE
10.0% MAXIMUM

NOTES:

SEE PLAN DETAILS FOR DRIVEWAY LOCATIONS.

SEE CROSS SECTIONS FOR DRIVEWAY SLOPES.

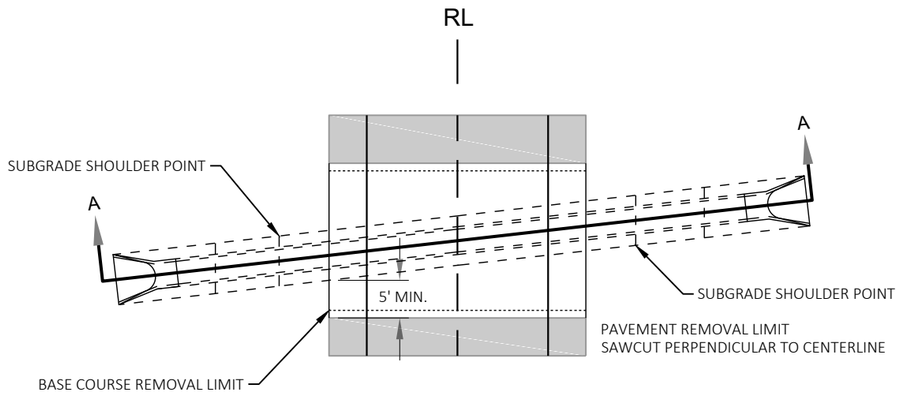
2

NOTES

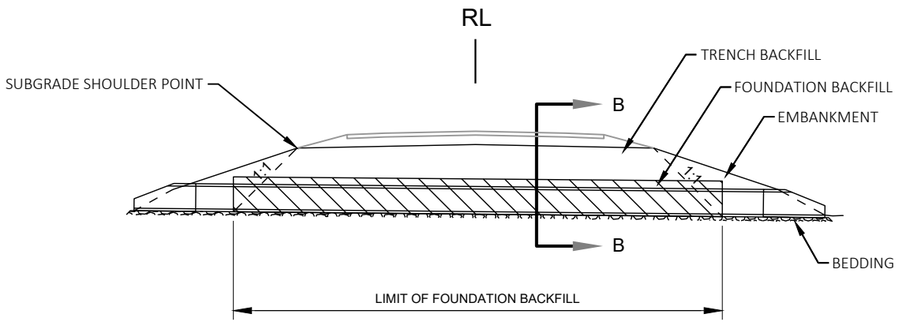
1. TRENCH WIDTH VARIES BASED ON PIPE SIZE, AND SAFE EXCAVATION PRACTICES.
2. PERFORM CULVERT PIPE INSTALLATION BEFORE MILLING AND PAVING.
3. PLACE CONCRETE BASE AND HMA PAVEMENT BELOW UPPER 4-INCHES AT CULVERT AND CONSTRUCT BUTT JOINTS TO TRANSITION FROM EXISTING PAVEMENT WITHIN 5 DAYS OF CULVERT REMOVAL, OR AS DIRECTED BY ENGINEER.
4. UPPER 4-INCH HMA PAVEMENT TO BE CONSTRUCTED WITH ADJACENT OVERLAY OPERATIONS.
5. PAVEMENT SAW CUT TO BE PERPENDICULAR TO ROADWAY ALIGNMENT.
6. PAYMENT FOR TRENCH EXCAVATION IS INCIDENTAL TO THE CULVERT PIPE BID ITEMS.
7. DEPTH IS MEASURED AT THE DEEPEST PORTION OF THE PIPE WITHIN THE SUBGRADE SHOULDER POINTS.
8. BACKFILL SLURRY SHALL BE USED FOR FOUNDATION BACKFILL.

(1) (MATCH EXISTING PAVEMENT)
1.75-INCHES HMA PAVEMENT 4 MT 58-28 S, ON
2.25-INCHES HMA PAVEMENT 3 MT 58-28 S, ON
3-INCHES HMA PAVEMENT 3 MT 58-28 S, ON
3-INCHES HMA PAVEMENT 3 MT 58-28 S, ON
CONCRETE BASE 9-INCH
OR
1.75-INCHES HMA PAVEMENT 4 MT 58-28 S, ON
2.25-INCHES HMA PAVEMENT 3 MT 58-28 S, ON
CONCRETE BASE 9-INCH

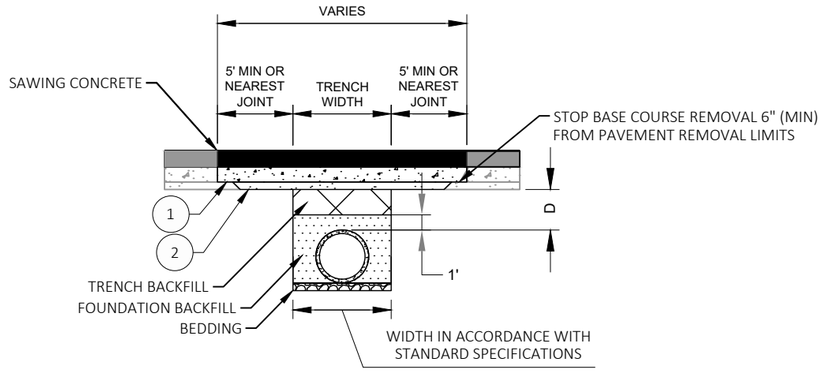
(2) 6-INCHES BASE AGGREGATE DENSE 1 1/4



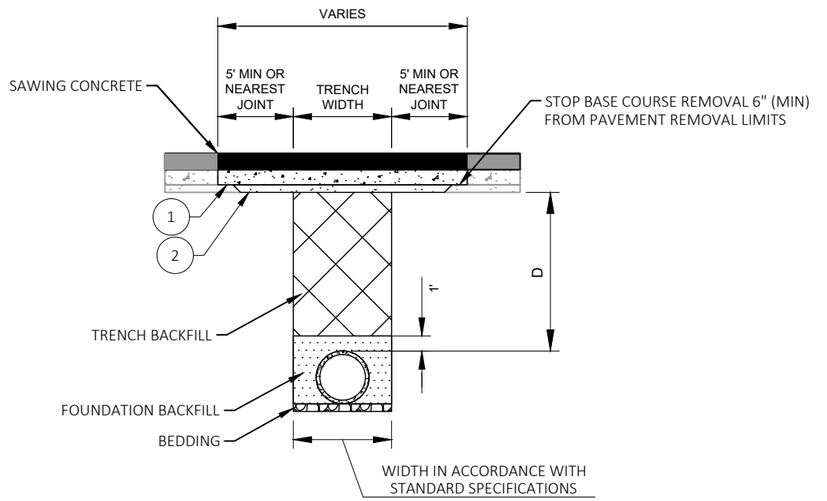
PLAN VIEW



SECTION A-A



SECTION B-B
(D < 6 FT)



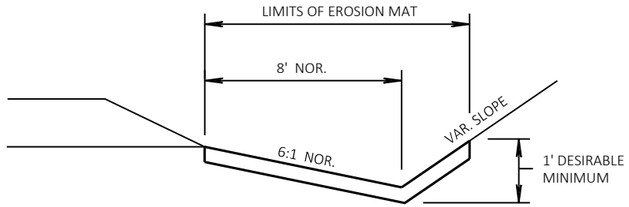
SECTION B-B
(D ≥6 FT)

CULVERT REPLACEMENT - CONCRETE PAVEMENT WITH ASPHALT OVERLAY

RUNOFF COEFFICIENT TABLE

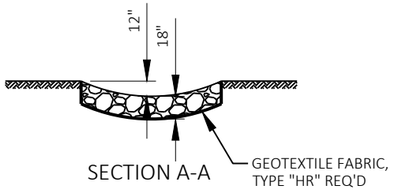
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

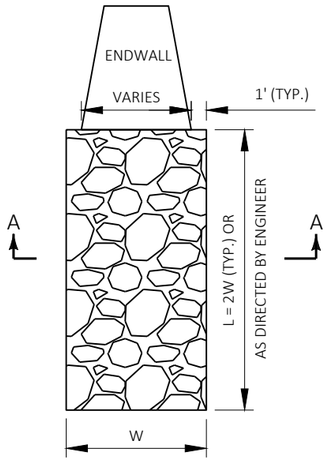
TOTAL PROJECT AREA = 8.6 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.1 ACRES



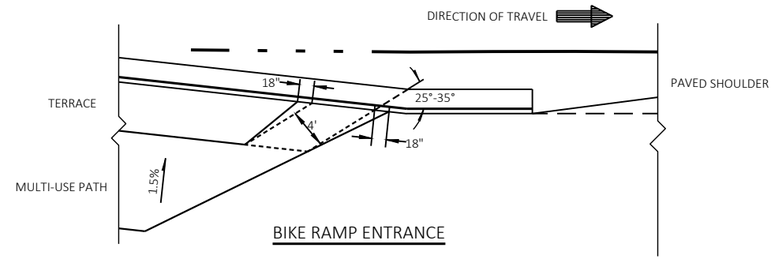
EROSION MAT DETAIL FOR DITCHES

NOT TO SCALE

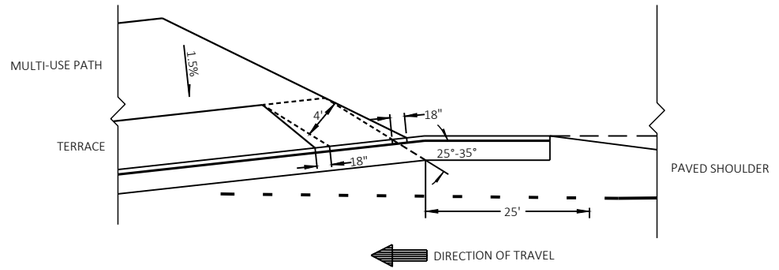




MEDIUM RIPRAP TREATMENT AT CULVERTS



BIKE RAMP ENTRANCE

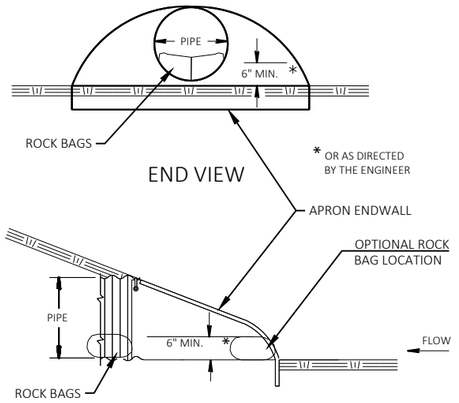


BIKE RAMP EXIT

BIKE RAMP ENTRANCE AND EXIT

STA. 139+90 (LT)

NOT TO SCALE

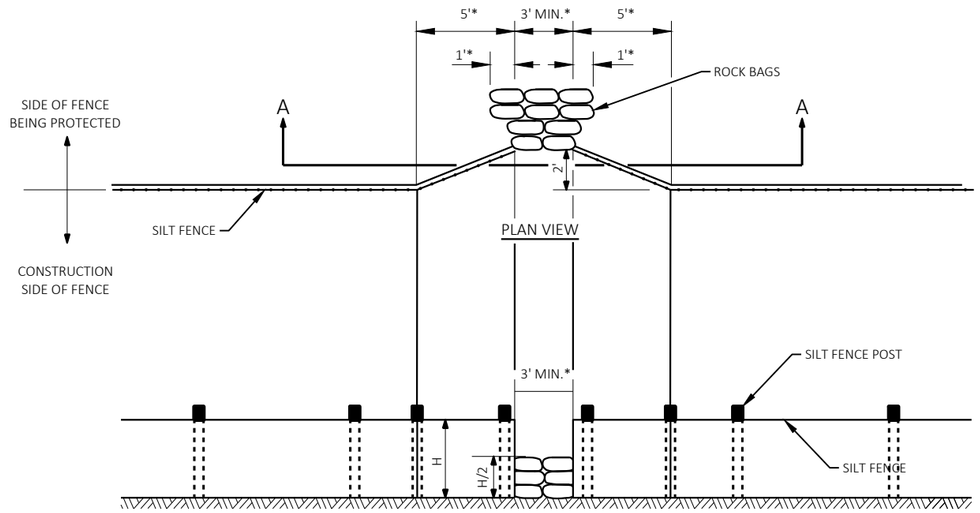


SIDE VIEW

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
12"	1
15"	2
18"	2
21"	3
14" X 23"	3
24"	3
27"	4
30"	5
19" X 30"	5
36"	7
24" X 38"	8
42"	8
29" X 45"	10
48"	10
34" X 53"	10
38" X 60"	13
60"	13
66"	15
53" X 83"	19

CULVERT PIPE CHECKS

SEE EROSION CONTROL PLAN FOR LOCATIONS



SECTION A-A (ELEVATION VIEW)

NOTE:

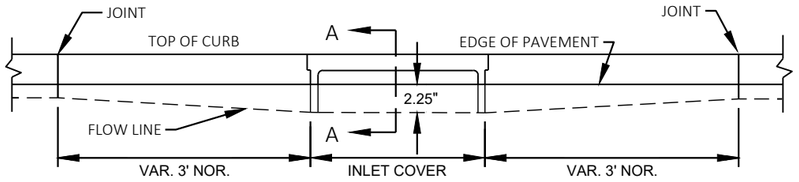
* = DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER

H = HEIGHT OF SILT FENCE

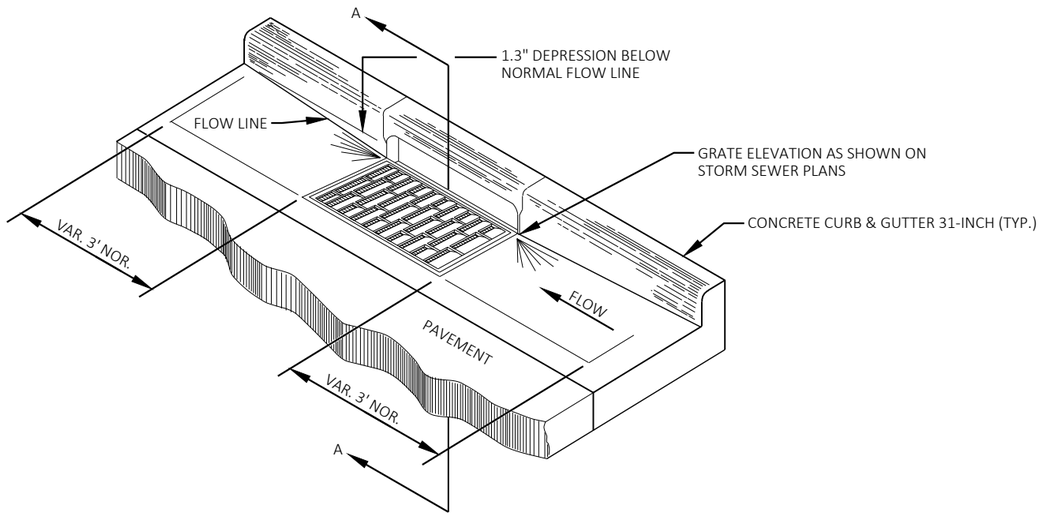
SILT FENCE DRAINAGE RELIEF DETAIL

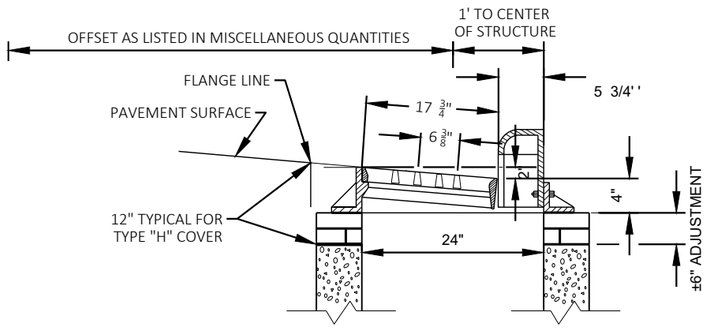
SEE EROSION CONTROL PLAN FOR LOCATIONS

NOT TO SCALE



ELEVATION

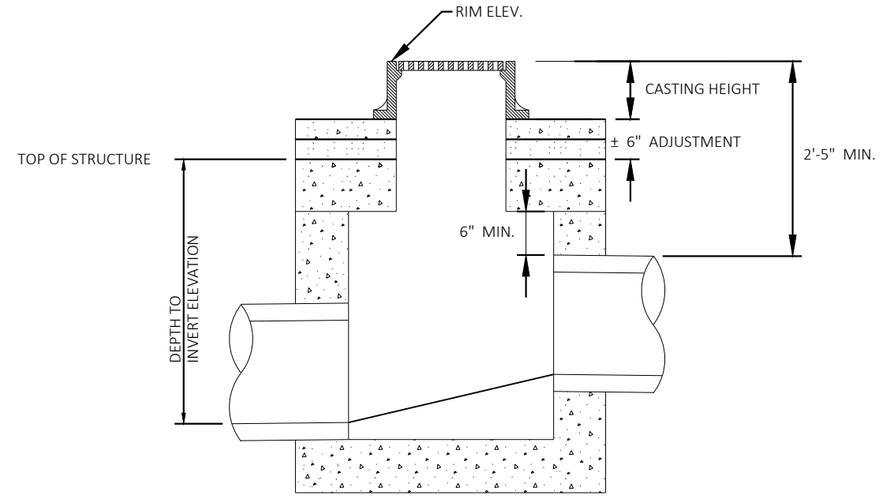




SECTION A - A

DETAIL OF CONCRETE CURB & GUTTER 31-INCH AT INLETS

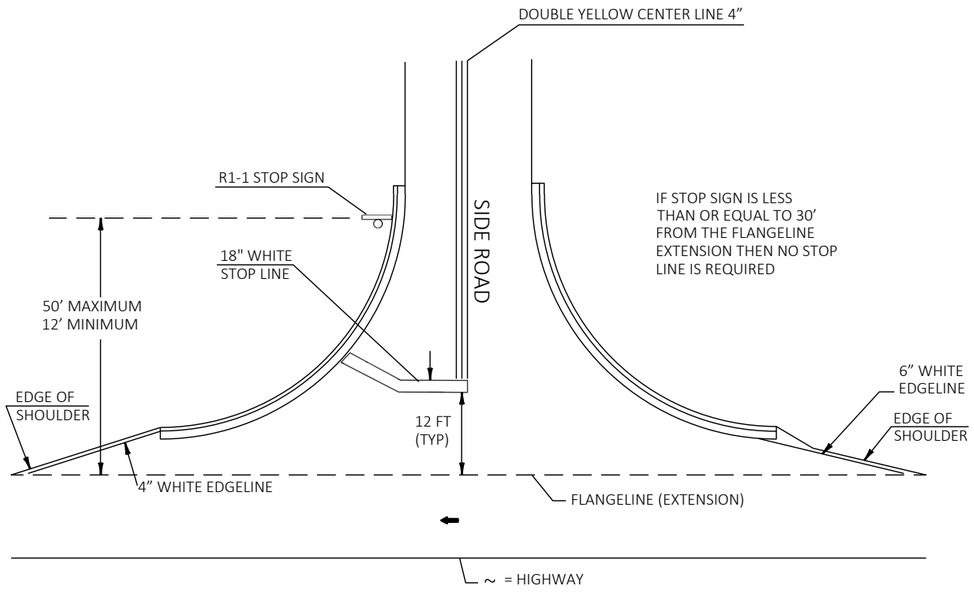
(INLETS 2 X 3 - H SHOWN)



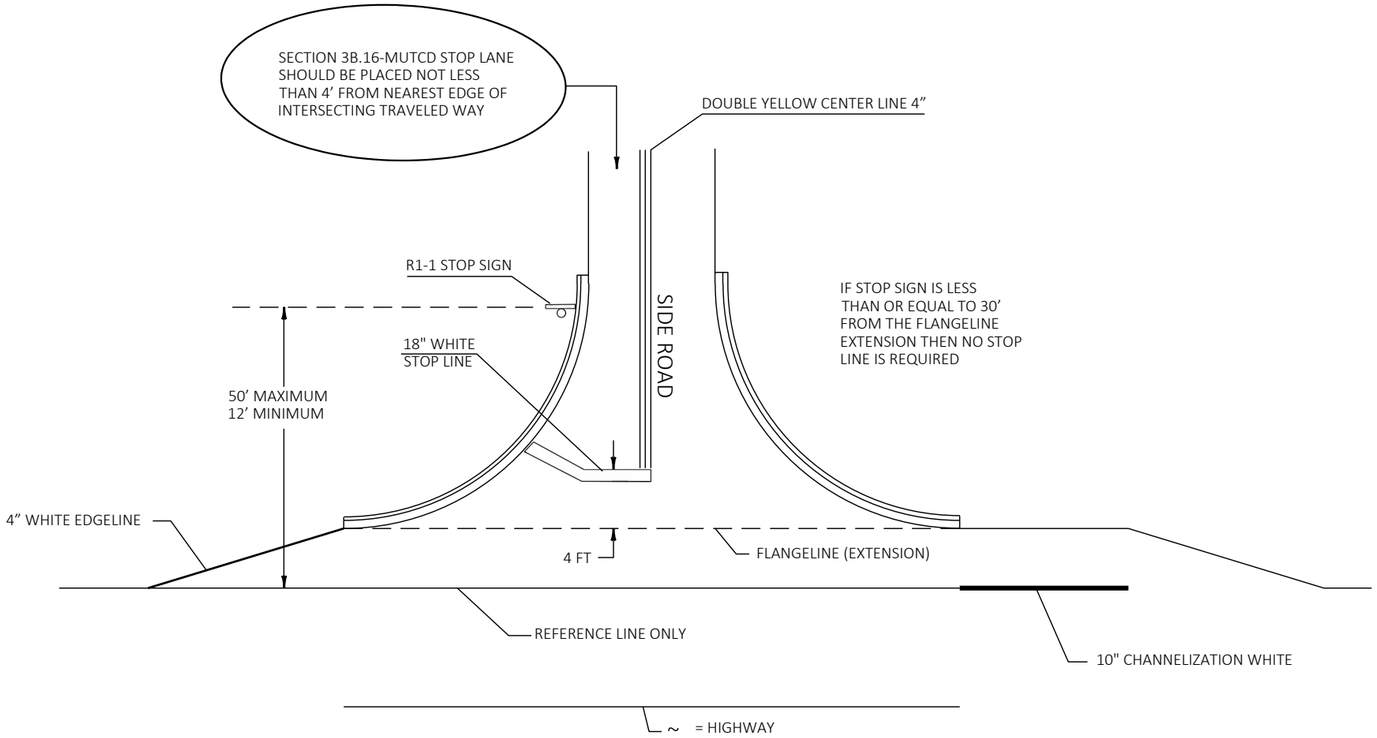
NOTE:

RIM ELEVATION IS AT FLOW LINE FOR INLETS

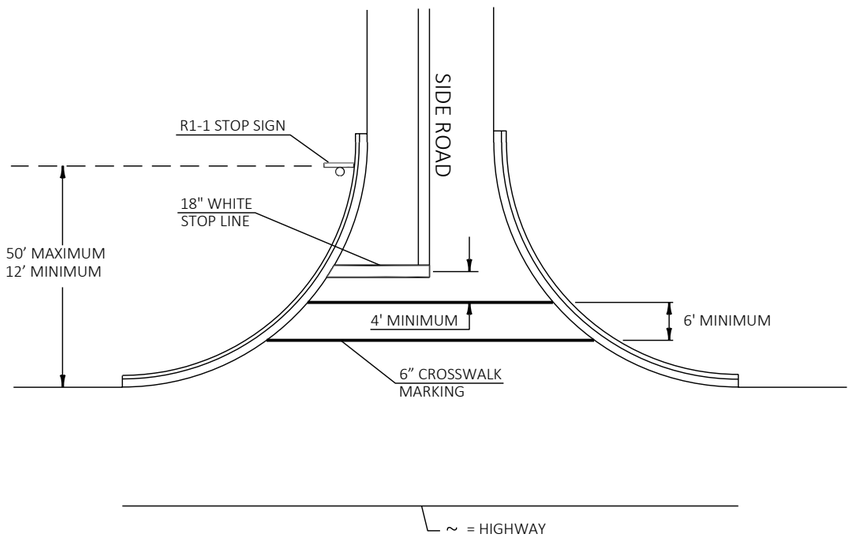
DETAIL FOR COMPUTING STRUCTURE ELEVATIONS



TYPICAL PAVEMENT MARKING FOR SIDEROADS



TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE

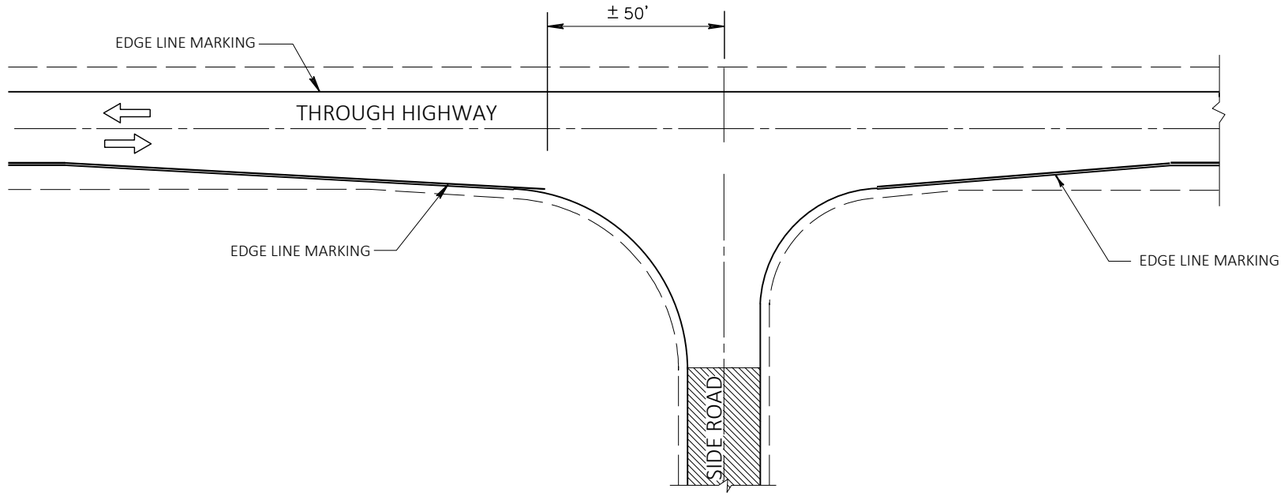


TYPICAL PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

NOTES:
18— INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
STOP LINES REQUIRED WHERE:

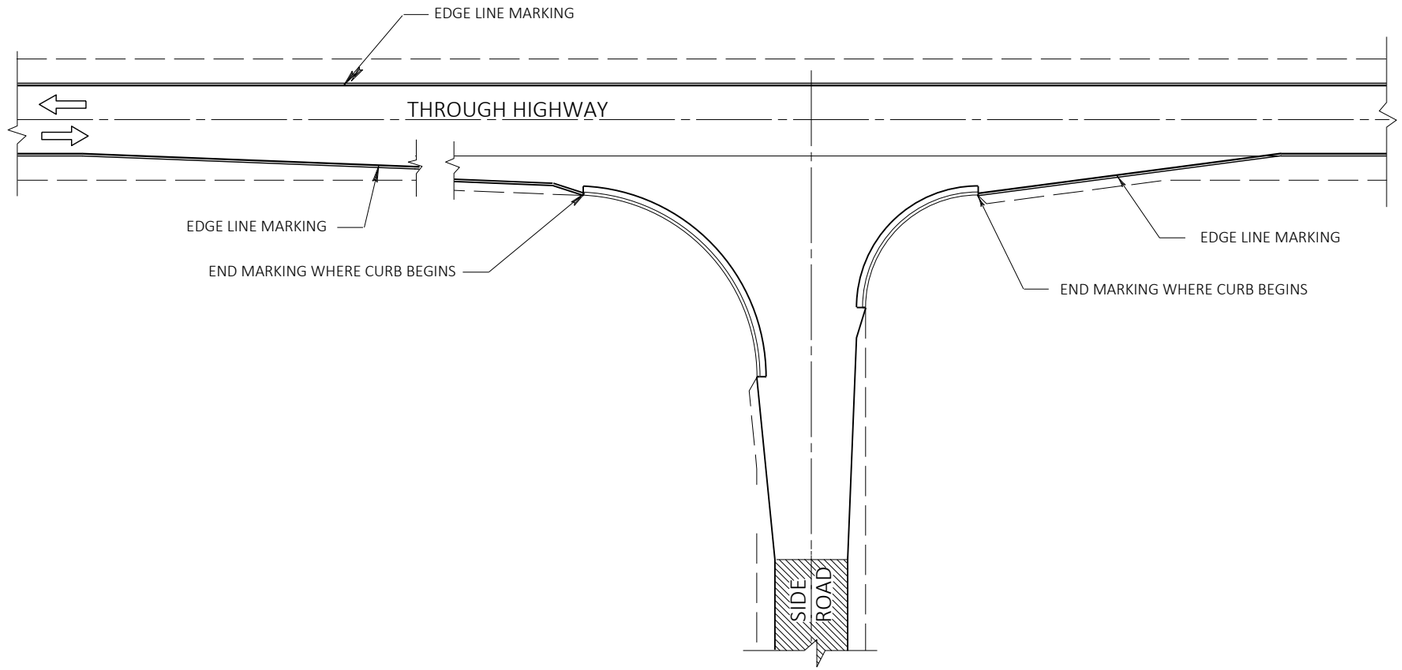
- CROSSWALK MARKINGS EXIST OR BEING PROVIDED
- LARGE RADII
- OFFSET LEFT TURNS WHERE STOP BAR FOR LEFT TURN IS SET BACK FROM THRU MOVEMENT.

2



MINOR INTERSECTION WITHOUT CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)

2

R/W (TYP.)

SEE STORM SEWER DRAWINGS FOR ADDITIONAL INFORMATION

XXXXXXXX

698
697
696

SS

EW 2.1

EW 2.2

41+00

42+00

43+00

STH 57/GREEN BAY RD

TLE (TYP.)

R/W (TYP.)

703

EW 4.1

EW 4.2

SS

704

705

SEE STORM SEWER DRAWINGS FOR ADDITIONAL INFORMATION

46+00

47+00

48+00

STH 57/GREEN BAY RD

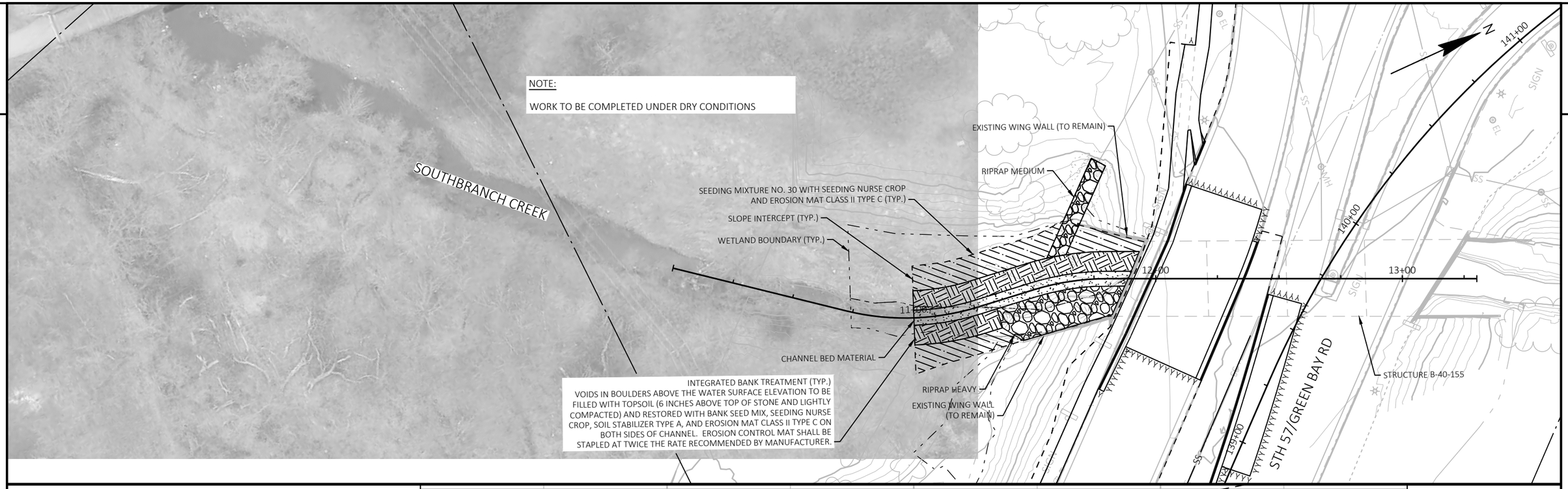
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - GRADING	SHEET 27	E

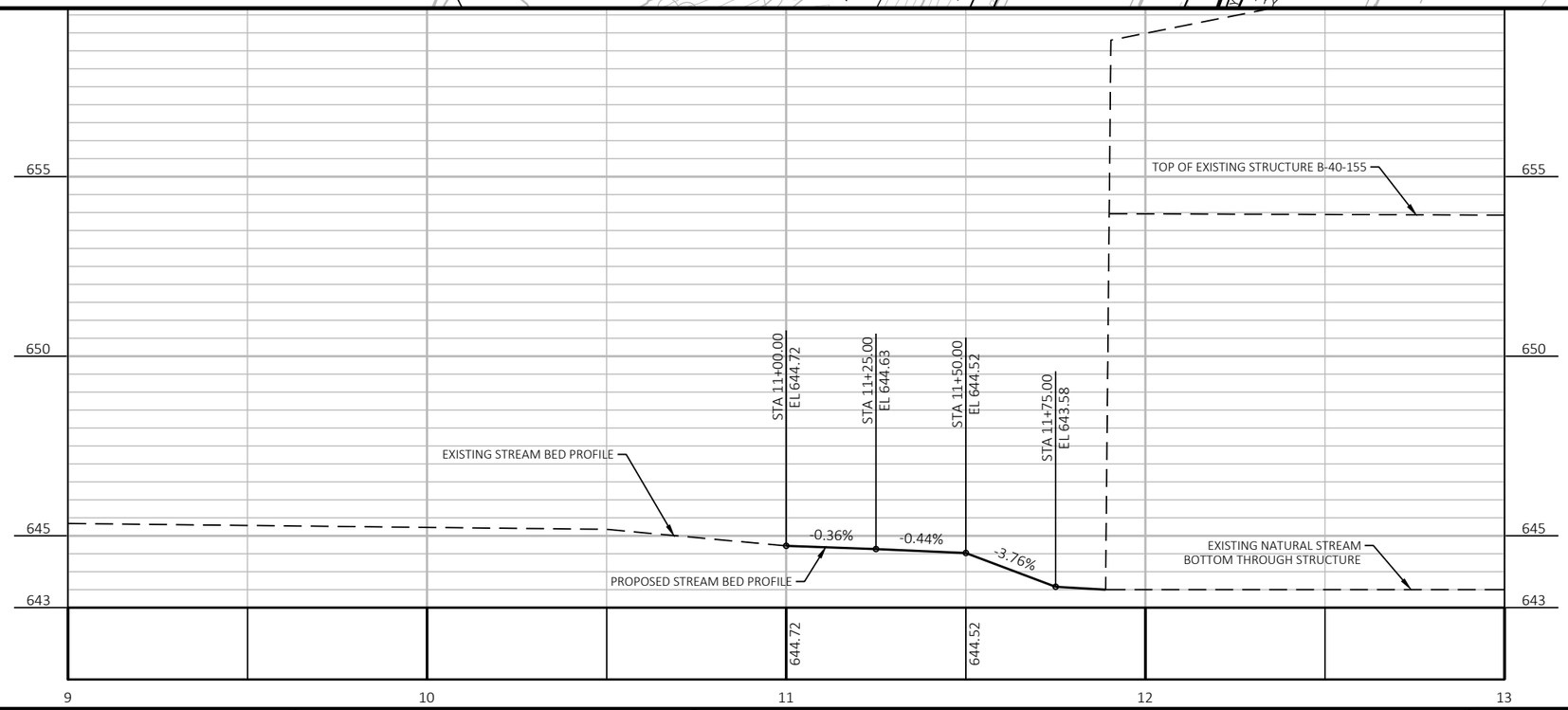
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021051-CD.DWG
LAYOUT NAME - 021054-cd

PLOT DATE : 7/31/2026 9:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT

NOTE:

WORK TO BE COMPLETED UNDER DRY CONDITIONS

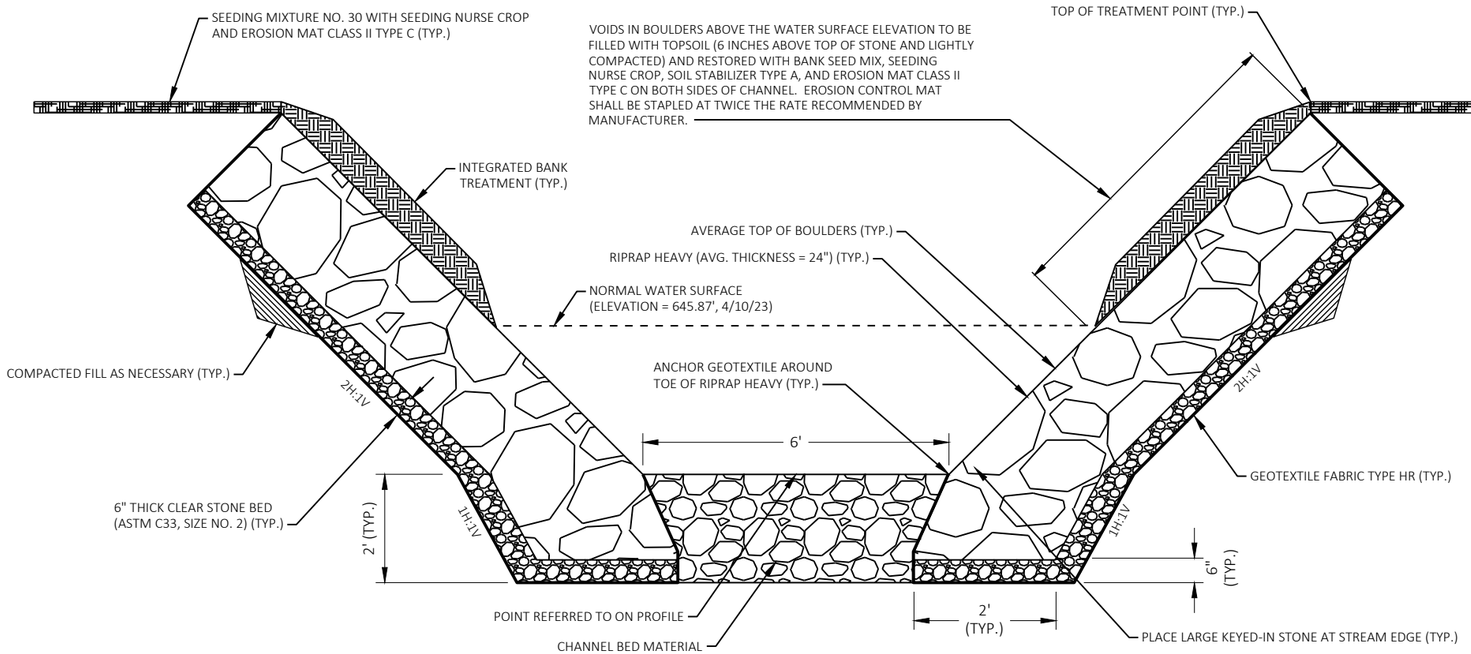




PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - SOUTHBRANCH CREEK	SHEET 28	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021051-CD.DWG
LAYOUT NAME - 021051-cd
PLOT DATE : 7/31/2026 9:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



STREAM TYPICAL SECTION

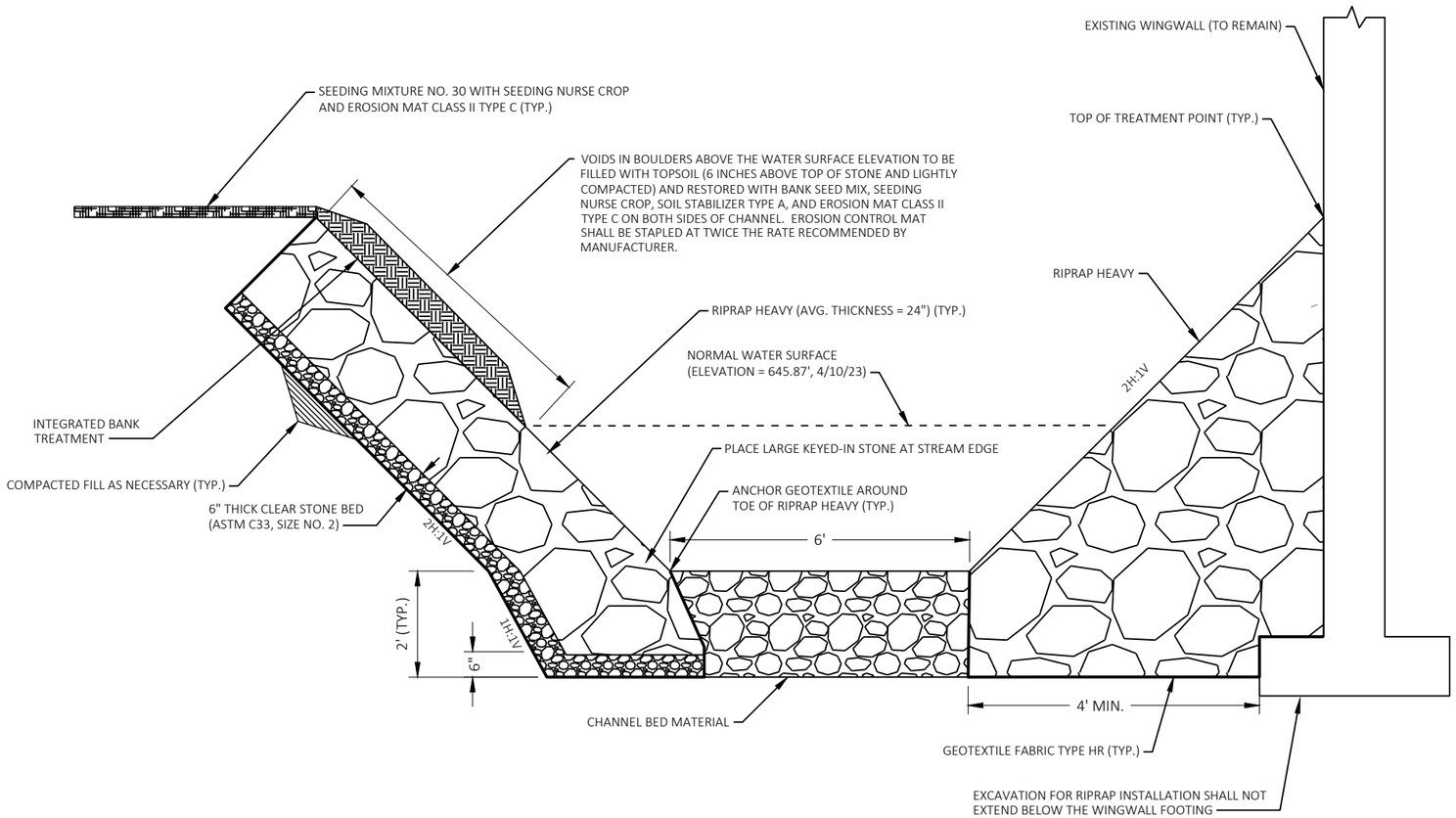
STA. 11+00 - 11+40 (STREAM)

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS - SOUTHBRANCH CREEK	SHEET 29	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021051-CD.DWG
LAYOUT NAME - 021052-cd

PLOT DATE : 7/31/2026 9:51 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

2



STREAM TYPICAL SECTION

STA. 11+40 - 11+89 (STREAM)

2

CTH PP/GOOD HOPE RD

TCF BANK

CITY OF GLENDALE (SANITARY)

AT&T (COMMUNICATION)

WE ENERGIES (ELECTRIC)

CITY OF GLENDALE (WATER)

JOHN M. FLYNN REVOCABLE TRUST

CHARLES COLLINS

JOAN E. HERSCHBERG

ROBERT F. STEINGART

ROBERT F. STEINGART

CONSTRUCT PE STA. 41+73.64 LT

N

R/W

BEGIN PROJECT
STA 33+00.00
Y=339,782.489
X=598,231.990

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

WETLAND BOUNDARY (TYP.)

R/W

CAUTION

28 30 32 34 36 38 40 42

BEGIN CONSTRUCTION
STA 30+64.38

STH 57/GREEN BAY AVE

TLE

R/W

SLOPE INTERCEPT (TYP.)

CITY OF GLENDALE (SANITARY)

GLENDALE GPS
DO NOT DISTURB

WE ENERGIES (GAS)

CHARTER (COMMUNICATION)

AT&T (COMMUNICATION)

JAIME ENSALDO LOPEZ

CITY OF GLENDALE (WATER)

REMOVING FENCE REQ'D

SLOPE INTERCEPT (TYP.)

EXCAVATION STONE PILES AND STONE FENCES REQ'D

202 204 206

GERALDINE JONES-MANTYH

NANCY J. HINKES

DAVID BARNA

SILVIA ILEANA RAMIREZ SUAREZ

THERESA LA LICATA REVOC. TRUST

RICHARD A BROCK

STEVEN FOX

ERIC K. BUCHMANN

RICHARD J. HOLLAND

FAIRLANE AVE

CONSTRUCT CE STA. 33+30.63 RT

CONSTRUCT PE STA. 34+13.80 RT

CONSTRUCT PE STA. 35+08.88 RT

CONSTRUCT PE STA. 38+51.39 RT

LEGEND

GRUBBING BY STA.

MATCH LINE 43+00

2

CONSTRUCT PE STA. 43+70.36 LT

HEMLOCK RD

WENDING DR

MICHAEL J. SEBERN

VOGELER LIVING TRUST

DANIEL S MULCAHY

RANDAL N. & JANET G. ARNOLD

JAMES E. BURACZEWSKI

THOMAS A. GENSKE

DAVID & DANA ROBBINS

JIAJIE TONG

TODD A. FELDBRUEGGE

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

WE ENERGIES (GAS)

WE ENERGIES (ELECTRIC)

AT&T (COMMUNICATION)

CITY OF GLENDALE (WATER)

CAUTION

44 46 48 50 52 54 56

STH 57/GREEN BAY AVE

210 212 214 216 218 220

SLOPE INTERCEPT (TYP.)

WE ENERGIES (ELECTRIC)

ABANDONED CISTERN TO REMAIN

REMOVING FENCE REQ'D (WITHIN R/W)

EXCAVATION STONE PILES AND STONE FENCES REQ'D (WITHIN R/W)

PATRICK A. WILLIS

STEFAN C. KARTMAN

FLOYD A. HARRIS

KAREN DOTSON

KAREN G. WOOD

MICHELLE N. SOLOMON

RICHARD K. MUELLER

JACK R. EDELSTEIN

MICHAEL P. & PHYLLIS A. MC DEVITT

JOSEPH W. & WENDY G. SCHERWENKA

ALVIN D. & MARTHA A. STARAL

LISA WEBER

MATCH LINE 58+00

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	GRUBBING DETAILS	SHEET 31	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021061-cd

PLOT DATE : 7/31/2026 9:52 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 58+00

MATCH LINE 73+00

AMISON & DEBORAH WEBER

STANLEY & SOFIA RUBINSTEIN

JAMES S. & ALICE M. RODRIAN

CHARLES F SCOTT

MEMORIAL EVANGELICAL LUTHERAN CHURCH

EVERSTREAM (COMMUNICATION)

RANGE LINE RD

R/W

AT&T (COMMUNICATIONS)

WE ENERGIES (GAS)

CAUTION

WE ENERGIES (ELECTRIC)

CITY OF GLENDALE (WATER)

STH 57/GREEN BAY AVE

60 62 64 66 68 70 72

226 226 226 226 232 232

TLE

R/W

WE ENERGIES (ELECTRIC)

SLOPE INTERCEPT (TYP.)

ANTHONY & CAREY BONGARD

JOHN B. & GAIL A. FIRER

KAREN L NEVELS-EALY

WILLIAM A & KATHERINE A STEWART

WAYNE R. & SUZANNE J. GLAD

RICHARD J. DREWEK

DUNWOOD RD

RONALD B MADRITSCH

GUENTHER G. & VIRGINIA M BEHRE

MARK E. & CHRISTINA M. TOTH

JOHN & KIMBERLY LAZAREVIC

LOUIS LEE SMET

CAROL GLASER

PETER R. & JANET C. BAUMLER TRUST

LEGEND

GRUBBING BY STA.

MATCH LINE 73+00

MATCH LINE 88+00

BROWN DEER PARK

MILWAUKEE COUNTY

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

CITY OF GLENDALE (WATER)

R/W

74 76 78 80 82 84 86

STH 57/GREEN BAY RD

TLE

R/W

CITY OF GLENDALE (WATER)

CITY OF GLENDALE (SANITARY)

WE ENERGIES (ELECTRIC)

WE ENERGIES (ELECTRIC)

SILVERADO NORTH SHORE, L.L.C.

ANTHONY E KNAPP

ANGELA A RACE

AT&T COMMUNICATION

ANGELA A RACE

WE ENERGIES (GAS)

VILLAGE OF RIVER HILLS (SANITARY)

CAUTION

GRETCHEN DURKIN

VOLF BEKER

NOAH D ARNOLD

DIANE K KLAMAN

RANGE LINE RD

WE ENERGIES (GAS)

CAUTION

EVERSTREAM (COMMUNICATION)

PROJECT NO: 2565-03-73 | HWY: STH 57 | COUNTY: MILWAUKEE | GRUBBING DETAILS | SHEET 32 | E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021062-cd

PLOT DATE : 7/31/2026 9:52 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 88+00

MATCH LINE 103+00

MATCH LINE 103+00

MATCH LINE 118+00

VILLAGE OF RIVER HILLS (SANITARY)

CITY OF GLENDALE (WATER)

R/W

HAI YUN LU

ODIN P PAYNE

ODIN D PAYNE

BARBARA M NEVILLE

VILLAGE OF BROWN DEER (WATER)

PELICAN LN

MGS GUARDRAIL 3 REQ'D SEE GUARDRAIL LAYOUT DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

90 92 94 96 98 100 102

STH 57/GREEN BAY RD

CAUTION

SLOPE INTERCEPT (TYP.)

WE ENERGIES (GAS)

AT&T (COMMUNICATION)

VILLAGE OF RIVER HILLS (SANITARY)

PRECISE UNDERGROUND (COMMUNICATION)

NICK AND KATHERINE WOODS

BRADLEY D VOLLMER

TLE

STRUCTURE C-40-078 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

WE ENERGIES (ELECTRIC)

AT&T (COMMUNICATION)

MGS GUARDRAIL 3 REQ'D SEE GUARDRAIL LAYOUT DETAILS FOR ADDITIONAL INFORMATION

SCOTT A KAMELLE

AT&T (COMMUNICATION)

EVERSTREAM (COMMUNICATION)

BRADLEY RD

WETLAND BOUNDARY (TYP.)

AT&T (COMMUNICATION)

SAQIB MASROOR

LEGEND

GRUBBING BY STA.

THEODORA SKODRAS

ALFRED E MOSES

BRUCE B WILLKOMM

JUDITH MASZK

SHARONDA Y SHARP

PARBS WILLIAM E & PATRICIA E REV TRUST

TRACY L APPS

MR RAMON VELAZQUEZ

JONATHAN J KRAVIT

AMBER B SCHOELLER

ANTHONY LAWRENCE

DARRYL E SMITH

TIFFANIE ACEVEDO

RICHMOND IZARD MINISTRIES INC

MARGARET M KOCH

EMMANUEL IGWIKE

KURT SIMANDL

WE ENERGIES (GAS)

SERVICE RD

CAUTION

VILLAGE OF BROWN DEER (WATER)

104 106 108 110 112 114 116

STH 57/GREEN BAY RD

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

TLE

WETLAND BOUNDARY (TYP.)

WE ENERGIES (ELECTRIC)

RICHARD W HORSFIELD

RICHARD A PAULSEN

DARRELL L HINES

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	GRUBBING DETAILS	SHEET 33	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021063-cd

PLOT DATE : 7/31/2026 9:52 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

MATCH LINE 118+00

MICHAEL L HOWELL

37TH ST

R/W

VILLAGE OF BROWN DEER (WATER)

WE ENERGIES (GAS)

MELVIN EHNERT

KIRCHHOFF AVE

DAVID W RIVERS

PAVEL BORDETSKY

REM WISCONSIN II, INC

CEDARBURG RD

SHAHROOZ

DITCH CLEANING REQ'D TO EXPOSE ENDWALL

WETLAND BOUNDARY (TYP.)

TLE

120

122

124

126

128

130

132

STH 57/GREEN BAY RD

CAUTION

SLOPE INTERCEPT (TYP.)

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

MATCH LINE 133+00

AT&T (COMMUNICATION)

WE ENERGIES (ELECTRIC)

PAUL AYERS

ROBERT C BRUNNER ESTATE

LEGEND

GRUBBING BY STA.

N

SEE CONSTRUCTION DETAILS-SOUTHBRANCH CREEK FOR ADDITIONAL INFORMATION

END CONSTRUCTION STA 140+46.72

CTH D/TEUTONIA AVE

FARAHBAKHSH

JAMES A KOSICK

RIVER REVITALIZATION FOUNDATION

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

VILLAGE OF BROWN DEER (WATER)

R/W

WE ENERGIES (GAS)

STRUCTURE B-40-155 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

MATCH LINE 133+00

CAUTION

134

136

138

140

142

144

STH 57/GREEN BAY RD

GREEN BAY CT

WE ENERGIES (ELECTRIC)

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

END PROJECT STA 137+81.52

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	GRUBBING DETAILS	SHEET 34	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021064-cd

PLOT DATE : 9/25/2026 4:37 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

W BRADLEY ROAD

STA. 96+56.36, 202.10' LT
BEGIN TAPER

STA. 95+78.65, 109.47' LT
MGS GUARDRAIL TERMINAL EAT POST 1

STA. 95+63.60, 89.70' LT
POST 5

STA. 95+48.47, 69.97' LT
POST 9

STA. 95+45.97, 66.77' LT
END SHORT RADIUS

STA. 95+78.65 LT - STA. 95+45.97 LT, MGS GUARDRAIL TERMINAL EAT
STA. 95+45.97 LT - STA. 95+64.00 LT, MGS GUARDRAIL SHORT RADIUS
STA. 95+64.00 LT - STA. 96+31.99 LT, MGS GUARDRAIL 3 L
STA. 96+31.99 LT - STA. 97+07.00 LT, MGS GUARDRAIL 3
STA. 97+07.00 LT - STA. 97+60.08 LT, MGS GUARDRAIL TERMINAL EAT

STA. 95+84.09, 105.19' LT
END TAPER

MGS GUARDRAIL SHORT RADIUS
RADIUS=25', LENGTH=53.72', CRT POSTS=11

STA. 95+66.85, 27.01' LT
MGS GUARDRAIL LONG SPAN (18.75') POST 1

STA. 95+85.46, 25.50' LT
MGS GUARDRAIL LONG SPAN (18.75') POST 1

STA. 96+31.99, 22.00' LT
END TAPER

STA. 97+10.12, 22.13' LT
POST 9

STA. 97+35.08, 27.33' LT
TAPER PI

STA. 97+35.10, 23.12' LT
POST 5

STA. 97+59.80, 31.12' LT
END TAPER

STA. 97+60.08, 24.12' LT
MGS GUARDRAIL TERMINAL EAT POST 1

R/W (TYP.)

STA. 99+48.16, 18.07' LT
BEGIN TAPER

14:1 TAPER

15:1 TAPER

STRUCTURE C-40-078 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

94+00 95+00 96+00 97+00 98+00 99+00

STH 57/N GREEN BAY ROAD

STEEL POST BOLTED TO STRUCTURE TO REMAIN. STEEL THRIE BEAM REQ'D.

STA. 94+86.37, 24.55' RT
SHORT RADIUS PT

STA. 94+59.72, 38.01' RT
SHORT RADIUS PC

8:1 TAPER

TLE

R/W

STA. 96+24.20, 21.50' RT
END MGS THRIE BEAM TRANSITION

STA. 95+86.56, 21.50' RT
BEGIN MGS THRIE BEAM TRANSITION

STA. 95+48.92, 21.50' RT
END MGS THRIE BEAM TRANSITION

STA. 95+11.28, 21.50' RT
END TAPER
BEGIN MGS THRIE BEAM TRANSITION

MGS GUARDRAIL SHORT RADIUS
RADIUS=42', LENGTH=30.39', CRT POSTS=8

STA. 94+34.92, 70.62' RT
END TAPER

STA. 94+31.95, 67.91' RT
END SHORT RADIUS TERMINAL POST

STA. 94+14.47, 84.43' RT
BEGIN TAPER

SLOPE INTERCEPT (TYP.)

STA. 97+58.56, 23.50' RT
MGS GUARDRAIL TERMINAL EAT POST 1

STA. 97+58.56, 30.50' RT
END TAPER

STA. 97+33.58, 22.56' RT
POST 5

STA. 97+33.59, 26.83' RT
TAPER PI

STA. 97+08.60, 21.62' RT
POST 9

STA. 98+89.61, 21.10' RT
BEGIN TAPER

STA. 94+31.95 RT - STA. 94+36.24 RT, MGS GUARDRAIL SHORT RADIUS TERMINAL (MGS GUARDRAIL 3)
STA. 94+36.24 RT - STA. 94+59.72 RT, MGS GUARDRAIL 3
STA. 94+59.72 RT - STA. 94+86.37 RT, MGS GUARDRAIL SHORT RADIUS
STA. 94+86.37 RT - STA. 95+11.28 RT, MGS GUARDRAIL 3
STA. 95+11.28 RT - STA. 95+48.92 RT, MGS THRIE BEAM TRANSITION
STA. 95+48.92 RT - STA. 95+86.56 RT, REPLACING GUARDRAIL RAIL AND HARDWARE (STEEL THRIE BEAM)
STA. 95+86.56 RT - STA. 96+24.20 RT, MGS THRIE BEAM TRANSITION
STA. 96+24.20 RT - STA. 97+05.48 RT, MGS GUARDRAIL 3
STA. 97+05.48 RT - STA. 97+58.56 RT, MGS GUARDRAIL TERMINAL EAT

NOTES:

1. STATION AND OFFSET OF POST LOCATION IS TO THE FACE OF GUARDRAIL.
2. FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:
   "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL",
   "MIDWEST GUARDRAIL SYSTEM (MGS) ENERGY ABSORBING TERMINAL",
   "MIDWEST GUARDRAIL SYSTEM LONG SPAN (L)",
   "MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)",AND
   "SHORT RADIUS BEAM GUARD AND TERMINAL (MGS)".

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	GUARDRAIL LAYOUT DETAILS	SHEET 35	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021211-PD.DWG
LAYOUT NAME - 021211-pd
PLOT DATE : 7/29/2026 9:28 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

CTH PP/GOOD HOPE RD

STH 57/GREEN BAY AVE

BEGIN PROJECT
STA 33+00.00

BEGIN CONSTRUCTION
STA 30+64.38

ADJUSTING PULL BOXES REQ'D

ACB

31+05.13
22.31' LT

31+30.13
22.30' LT

CG-31 (REVERSE SLOPE GUTTER)

CS-5

31+30.03
1.52' LT

31+25.46
1.14' RT

31+05.03
1.04' LT

31+10.46
1.44' RT

CONCRETE PAVEMENT 9-INCH

CG-31

DO NOT DISTURB GLENDALE GPS MONUMENT DG4879

31'

32+00.04
52.71' RT

33+20.95
48.51' RT

31+11.79
57.25' RT

31+26.79
56.76' RT

6'

CD-8

AD

33+09.73
59.30' RT

33+13.61
68.00' RT

TLE

33+68.15
47.28' LT

33+84.64
46.26' LT

33+99.40
41.23' LT

34+27.64
37.41' LT

R/W

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

EDGE OF ASPHALTIC OVERLAY (TYP.)

29'

3"

OVR

31+00

32+00

33+00

34+00

35+00

36+00

34+25.77
48.61' RT

CD-6

34+04.71
57.57' RT

34+04.83
64.00' RT

34+47.48
58.61' RT

34+47.65
68.00' RT

R=38'

34+02.35
74.79' RT

34+12.25
79.59' RT

34+22.99
57.24' RT

35+10.00
42.65' RT

35+59.00
45.21' RT

36+64.93
27.72' RT

36+64.91
36.31' RT

36+59.36
38.11' RT

TAPER 6:1

AGG

35+00.28
51.94' RT

35+01.21
64.00' RT

35+17.54
51.64' RT

35+10.83
68.11' RT

SLOPE INTERCEPT (TYP.)

STA. 36+61.13, 63.05' RT
R = 25' FROM FACE

MATCH LINE 36+75

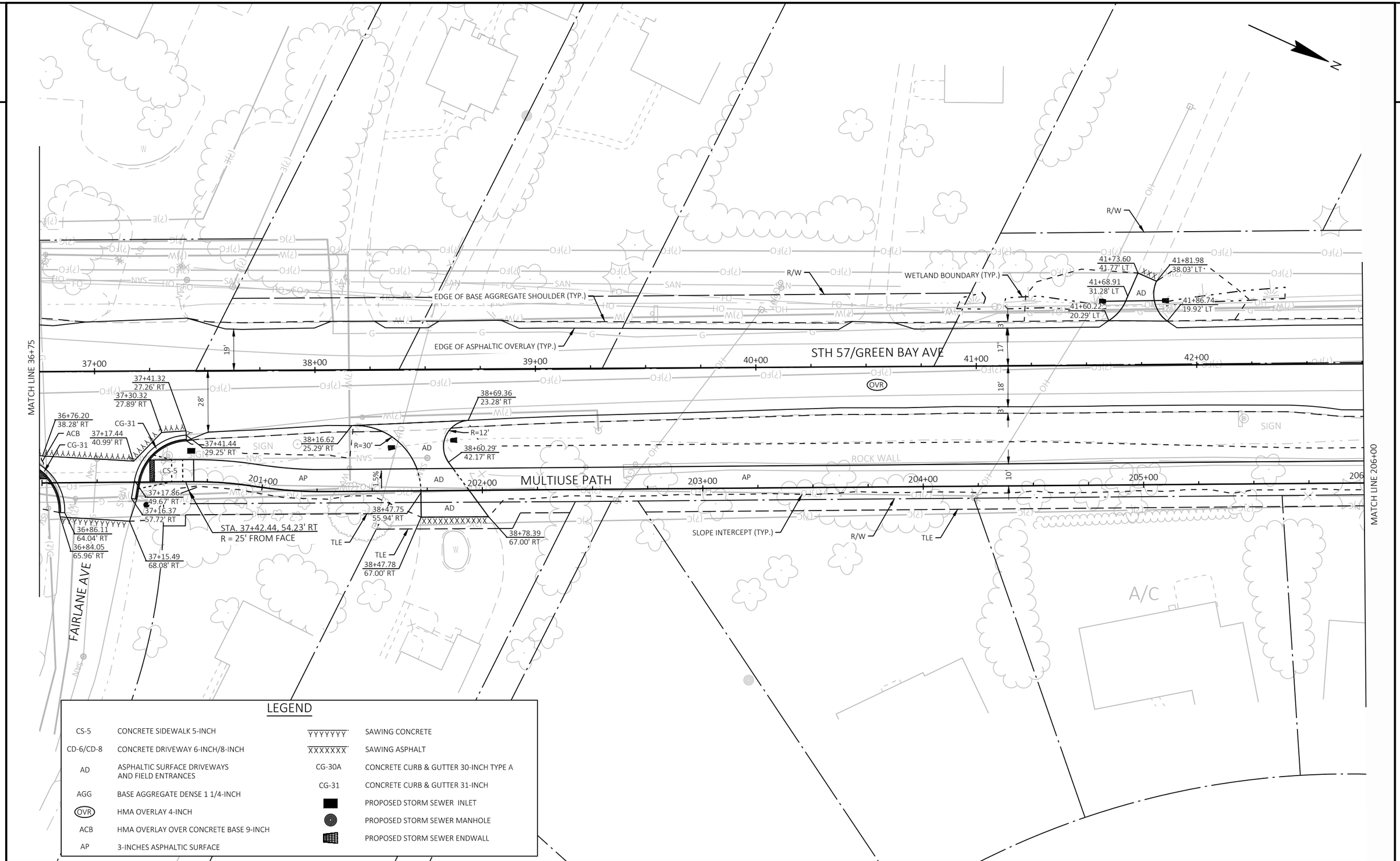
LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 36	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021201-pd
PLOT DATE : 7/31/2026 10:29 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 37	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 7/31/2026 10:29 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

SLAB

R/W

STA. 44+62.26, 45.76' LT
R = 25' FROM FACE

WETLAND BOUNDARY (TYP.)

ASPHALTIC FLUMES REQ'D

44+87.20
58.57' LT

44+89.20
58.58' LT

44+89.31
35.30' LT

CS-5

44+46.71
20.91' LT

44+46.68
17.53' LT

44+53.69
18.88' LT

CG-31

ACB

44+73.93
18.54' LT

TLE

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

46+70.12
44.41' LT

46+80.50
39.43' LT

46+64.29
32.28' LT

AD

46+53.64
21.11' LT

46+85.22
21.29' LT

R/W

EDGE OF ASPHALTIC OVERLAY (TYP.)

OVR

43+00

44+00

45+00

46+00

47+00

48+00

STH 57/GREEN BAY AVE

3

18'

22'

3

18'

3

44+42.18
24.53' RT

44+42.03
26.54' RT

44+57.68
25.71' RT

ACB

CG-31

45+40.09
18.63' RT

ACB

CG-31

45+55.91
17.81' RT

45+21.68
37.09' RT

44+80.94
42.65' RT

45+56.01
19.84' RT

45+21.38
52.55' RT

CS-5

44+87.07
57.21' RT

44+85.20
57.95' RT

45+20.40
58.85' RT

45+18.42
58.55' RT

TLE

STA. 45+56.41, 54.84' RT
R = 35' FROM FACE

MATCH LINE 206+00

ROCK WALL

AP

10'

1.5%

207+00

208+00

209+00

MULTIUSE PATH

AP

1.5%

210+00

211+00

10'

1.5%
+65

1.5%
+75

212

MATCH LINE 212+00

SLOPE INTERCEPT (TYP.)

TLE

R/W

44+87.41
68.01' RT

STA. 44+39.72, 76.49' RT
R = 50' FROM FACE

HEMLOCK RD

TLE

R/W

A/C

A/C

A/C

SIGN

POST

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

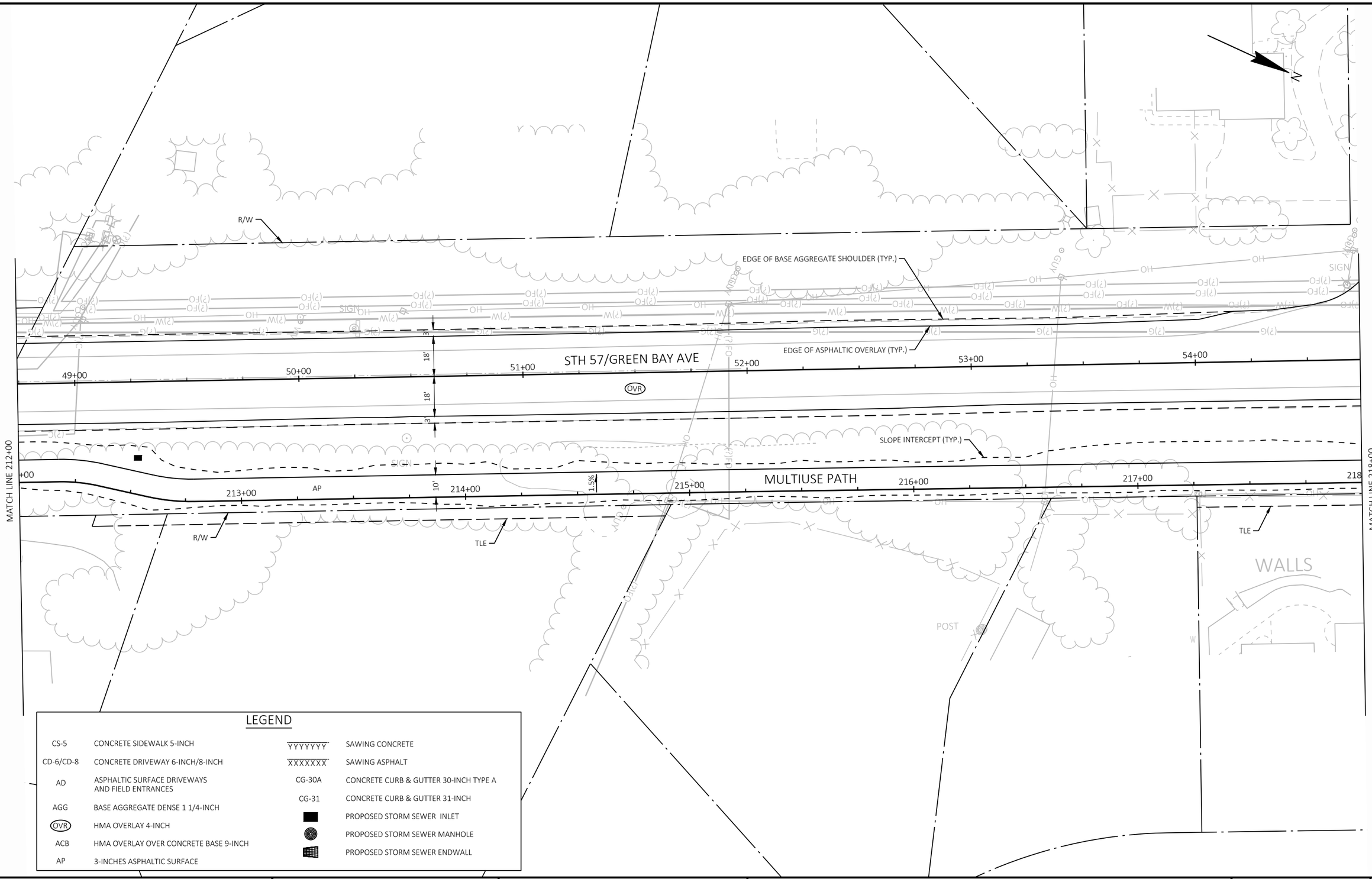
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 38	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 7/31/2026 10:29 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 39	E

2

WENDING DR

55+16.04
61.47' LT

55+16.07
51.47' LT

55+00.55
61.59' LT

R/W

CS-5

STA. 55+41.07, 51.54' LT
R = 25' TO FACE

ASPHALTIC FLUMES REQ'D

55+40.91
26.54' LT

55+48.96
26.49' LT

55+73.94
25.79' LT

ACB

CG-31

55+00.55
12.00' LT

55+73.94
12.00' LT

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

EDGE OF ASPHALTIC OVERLAY (TYP.)

3'

18'

55+00 56+00 57+00 58+00 59+00 60+00

STH 57/GREEN BAY AVE

55+40.93
17.85' RT

55+45.93
17.85' RT

OVR

18'

3'

MATCH LINE 218+00

+00 AP CS-5 CS-5 CS-5 219+00 10' 220+00 1.5% +40 1.5% +50 221+00 AP 1.5% +50 1.5% +60 222+00 MULTIUSE PATH 223+00 224

MATCH LINE 224+00

POST

TLE

R/W

SLOPE INTERCEPT (TYP.)

TLE

TLE

WALLS

MH

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH	■	PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH	◎	PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE	▤	PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 40	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 7/31/2026 10:29 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

A/C

R/W

SIGN

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

EDGE OF ASPHALTIC OVERLAY (TYP.)

61+00 62+00 63+00 64+00 65+00 66+00

STH 57/GREEN BAY AVE

OVR

18' 4' 18' 24' 18' 20'

64+84.50 27.99' RT

64+81.24 25.91' RT

64+81.19 27.91' RT

ACB

64+96.03 26.28' RT

CG-31

65+69.76 19.22' RT

65+87.55 19.54' RT

65+87.56 21.54' RT

CG-31 65+45.77 44.90' RT

65+13.48 41.37' RT

65+15.16 51.89' RT

65+13.17 52.21' RT

65+16.70 71.80' RT

65+47.80 60.71' RT

65+45.81 60.67' RT

CS-5

228+00

229+00

230

MATCH LINE 224+00

MULTIUSE PATH

225+00 226+00 227+00

10' 1.5% AP

SLOPE INTERCEPT (TYP.)

TLE

R/W

STA. 64+83.73, 57.98' RT
R = 30' TO FACE

STA. 65+87.80, 61.54' RT
R = 40' TO FACE

MATCH LINE 230+00

DUNWOOD RD

SAN

SIGN

A/C

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 41	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021206-pd

PLOT DATE : 7/31/2026 10:29 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

FLAG

SIGN

R/W

INL

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

EDGE OF ASPHALTIC OVERLAY (TYP.)

3'

18'

18'

3'

11'

67+00

68+00

69+00

STH 57/GREEN BAY AVE

70+00

71+00

OVR

28'

MATCH LINE 230+00

+00

231+00

MULTIUSE PATH

232+00

1.5%

233+00

AP

10'

234+00

MATCH LINE 234+50

SLOPE INTERCEPT (TYP.)

R/W

TLE

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 42	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021207-pd

PLOT DATE : 7/31/2026 10:29 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

2

2

RANGE LINE RD

71+70.13
89.41' LT

CS-5

MATCH LINE 234+50

72+00

72+72.83
22.99' LT

72+85.97
21.57' LT

CONCRETE SURFACE DRAINS REQ'D

WETLAND BOUNDARY (TYP.)

CONCRETE SURFACE DRAINS REQ'D

BROWN DEER PARK

AP

EDGE OF ASPHALTIC OVERLAY (TYP.)

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

15%

235+00

MULTIUSE PATH

73+00

301+00

304+00

MULTIUSE PATH

303+00

SLOPE INTERCEPT (TYP.)

R/W

TLE

236+00

74+00

STH 57/GREEN BAY RD

302+00

6

PRW

75+00

TLE

9

OVR

76+00

R/W

POST

73+42.78
84.37' RT

RANGE LINE RD

A/C

WALLS

FLAG

R/W

41'

77+00

18"

18"

9

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 43	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021208-pd

PLOT DATE : 7/31/2026 10:29 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

2

2

A/C

R/W

EDGE OF BASE AGGREGATE SHOULDER (TYP.)

EDGE OF ASPHALTIC OVERLAY (TYP.)

111+93.03
28.14' LT

3"

18'

18'

108+00 109+00 110+00 111+00 112+00 113+00

110+55.00
0.00' LT

110+35.00
0.00' LT

STH 57/GREEN BAY RD

OVR

ACB

SIGN

POST

R/W

WETLAND BOUNDARY (TYP.)

TLE

R/W

SLOPE INTERCEPT (TYP.)

LEGEND

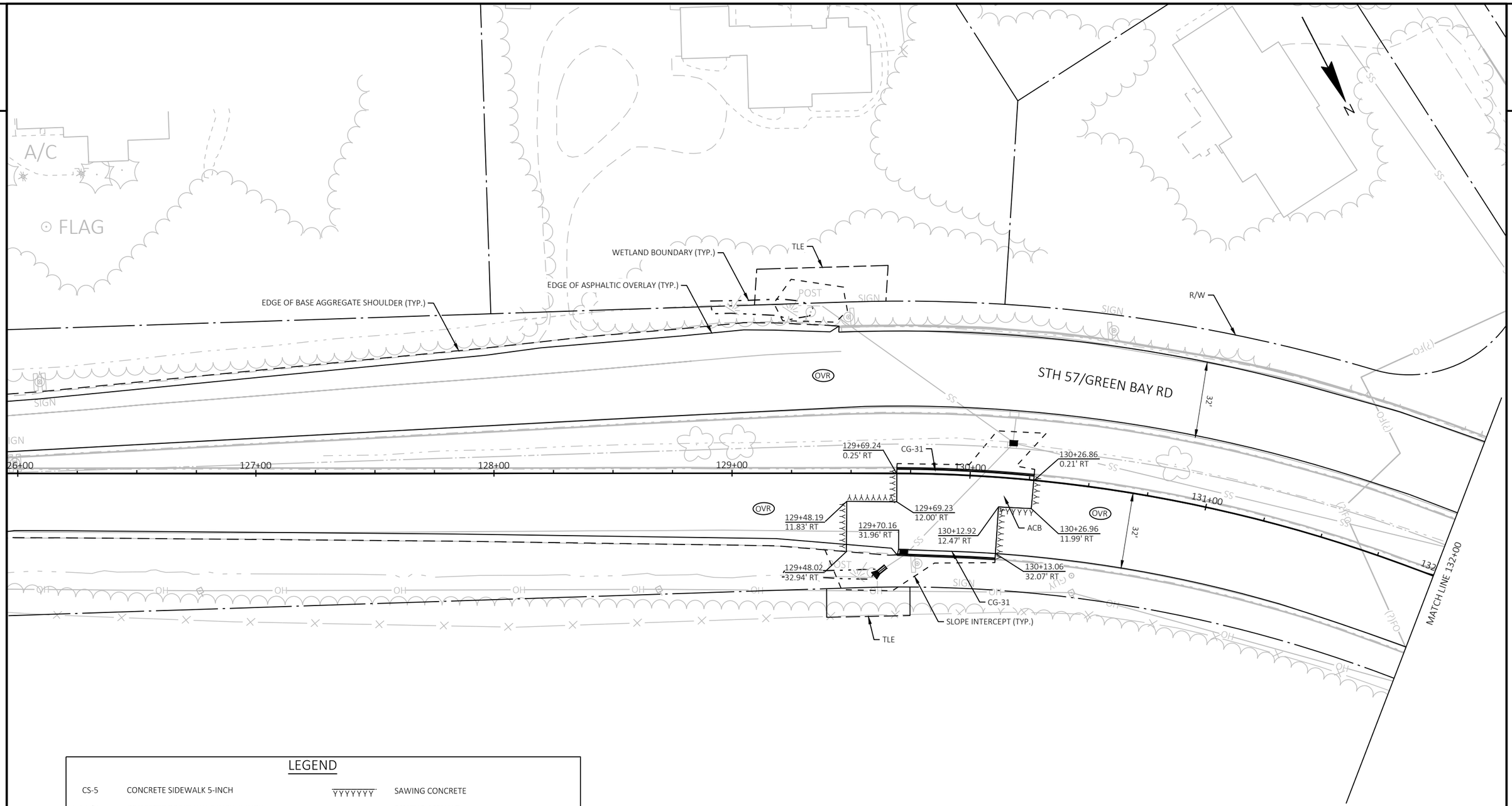
CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 44	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021208b-pd

PLOT DATE : 7/31/2026 10:30 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

2



LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 45	E

2

2

CEDARBURG RD

132+70.24
91.79' LT

R/W

EDGE OF ASPHALTIC OVERLAY (TYP.)

SLOPE INTERCEPT (TYP.)

END RESURFACING

CS-5

6"

33'

OVR

STH 57/GREEN BAY RD

END PROJECT
STA 137+81.52

MATCH LINE 132+00

132+00

133+00

134+00

135+00

136+00

137+00

MATCH LINE 138+00

32'

135+26.32
24.00' RT

135+71.46
24.00' RT

135+11.32
24.00' RT

135+56.46
24.00' RT

135+11.32
34.65' RT

135+56.46
34.66' RT

135+71.46
34.64' RT

135+26.32
34.66' RT

CG-31

ACB

CG-31

ACB

R/W

137+00.79
59.35' RT

GREEN BAY CT

LEGEND

CS-5	CONCRETE SIDEWALK 5-INCH	YYYYYYY	SAWING CONCRETE
CD-6/CD-8	CONCRETE DRIVEWAY 6-INCH/8-INCH	XXXXXXX	SAWING ASPHALT
AD	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
AGG	BASE AGGREGATE DENSE 1 1/4-INCH	CG-31	CONCRETE CURB & GUTTER 31-INCH
OVR	HMA OVERLAY 4-INCH		PROPOSED STORM SEWER INLET
ACB	HMA OVERLAY OVER CONCRETE BASE 9-INCH		PROPOSED STORM SEWER MANHOLE
AP	3-INCHES ASPHALTIC SURFACE		PROPOSED STORM SEWER ENDWALL

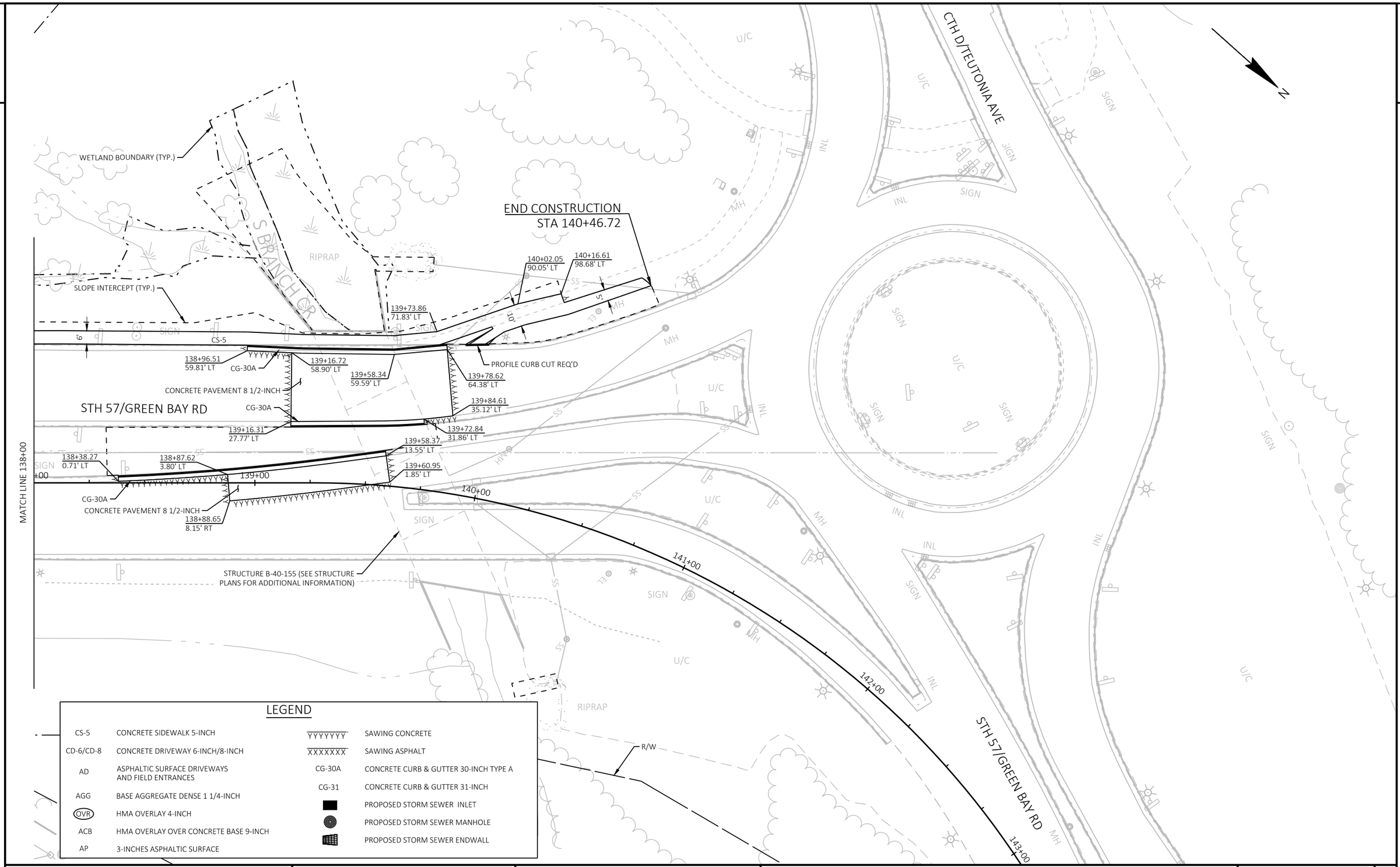
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 46	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021209-pd

PLOT DATE : 7/31/2026 10:30 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : ##########

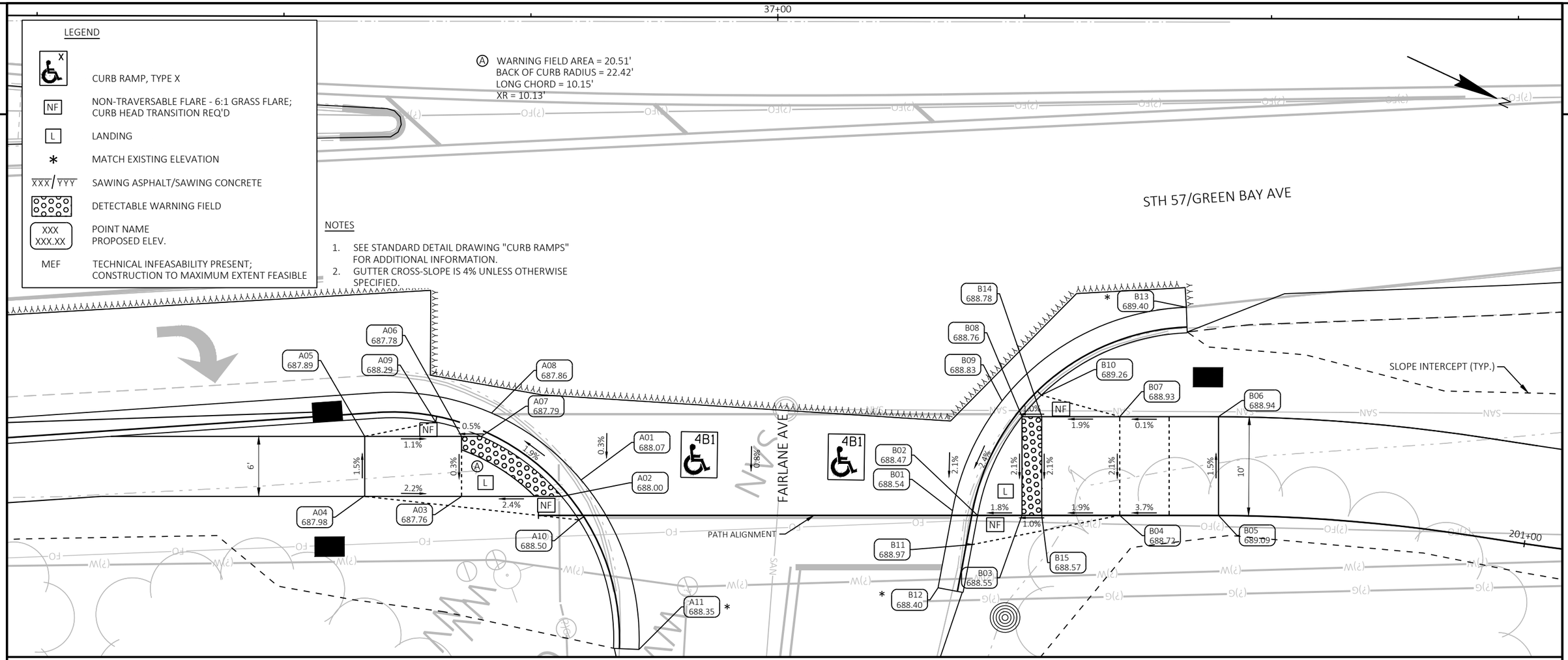
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN DETAILS	SHEET 47	E

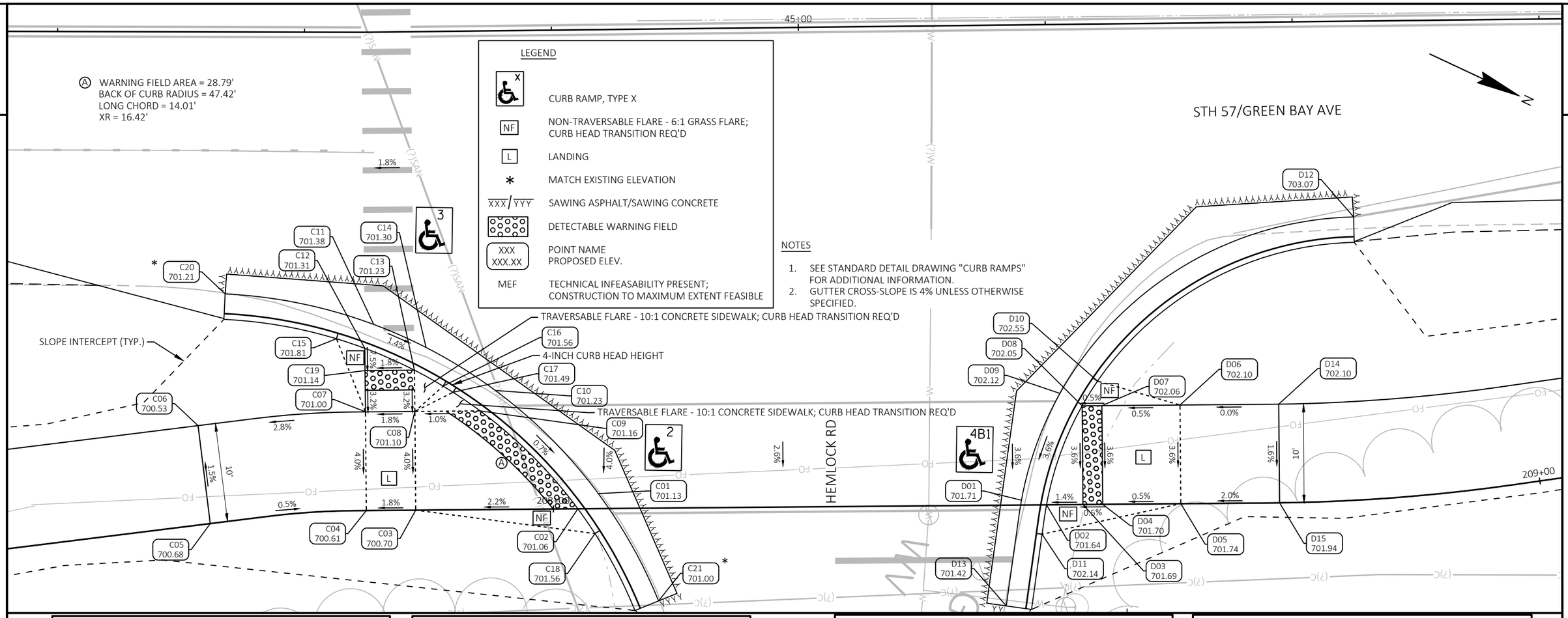
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021201-PD.DWG
LAYOUT NAME - 021210-pd
PLOT DATE : 7/31/2026 10:30 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
A01	36+80.20	46.89' RT	340,146.92	598,113.92	688.07
A02	36+78.23	48.56' RT	340,145.84	598,116.26	688.00
A03	36+68.10	48.58' RT	340,136.67	598,120.57	687.76
A04	36+58.30	48.53' RT	340,127.76	598,124.66	687.98
A05	36+58.28	42.53' RT	340,125.21	598,119.22	687.89
A06	36+68.08	42.50' RT	340,134.09	598,115.06	687.78
A07	36+70.08	42.50' RT	340,135.90	598,114.21	687.79
A08	36+71.11	40.13' RT	340,135.83	598,111.63	687.86
A09	36+65.46	41.05' RT	340,131.09	598,114.86	688.29
A10	36+79.99	50.93' RT	340,148.44	598,117.67	688.50
A11	36+86.11	64.04' RT	340,159.52	598,126.97	688.35

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
B01	200+41.93	0.48' LT	340,182.29	598,100.76	688.54
B02	200+44.47	0.00' RT	340,184.79	598,100.12	688.47
B03	200+48.96	0.00' RT	340,188.86	598,098.21	688.55
B04	200+58.86	0.00' RT	340,197.82	598,094.01	688.72
B05	200+68.86	0.00' RT	340,206.88	598,089.76	689.09
B06	200+68.80	10.00' LT	340,202.63	598,080.71	688.94
B07	200+58.86	10.00' LT	340,193.58	598,084.95	688.93
B08	200+48.96	10.00' LT	340,184.62	598,089.16	688.76

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
B09	200+46.94	11.60' LT	340,182.10	598,088.56	688.83
B10	200+50.93	12.17' LT	340,185.47	598,086.36	689.26
B11	200+43.91	2.96' RT	340,185.54	598,103.04	688.97
B12	200+40.46	7.33' RT	340,184.28	598,108.46	688.40
B13	200+65.60	21.07' LT	340,194.98	598,072.07	689.40
B14	200+50.96	10.00' LT	340,186.43	598,088.31	688.78
B15	200+50.96	0.00' RT	340,190.67	598,097.36	688.57



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C01	208+04.57	1.52' LT	340,871.69	597,776.00	701.13
C02	208+02.48	0.00' RT	340,870.46	597,778.27	701.06
C03	207+86.05	0.00' RT	340,855.65	597,785.37	700.70
C04	207+81.05	0.00' RT	340,851.14	597,787.53	700.61
C05	207+65.18	0.00' RT	340,837.39	597,795.44	700.68
C06	207+65.18	10.00' LT	340,832.06	597,786.98	700.53
C07	207+81.05	10.00' LT	340,846.82	597,778.51	701.00
C08	207+86.05	10.00' LT	340,851.33	597,776.35	701.10
C09	207+92.66	10.00' LT	340,857.29	597,773.50	701.16
C10	207+94.22	12.06' LT	340,857.80	597,770.97	701.23
C11	207+81.96	18.85' LT	340,843.81	597,770.14	701.38

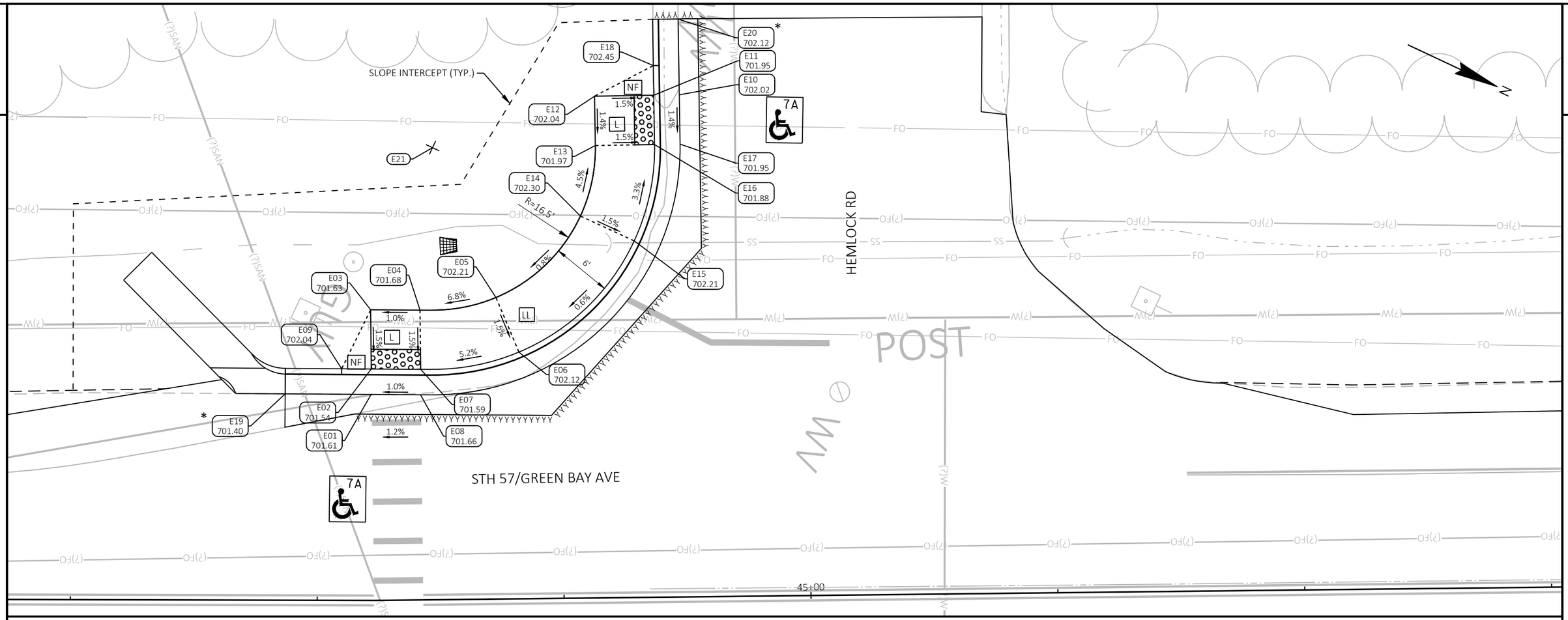
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
C12	207+81.04	16.44' LT	340,844.02	597,772.71	701.31
C13	207+86.04	14.19' LT	340,849.51	597,772.58	701.23
C14	207+87.24	16.48' LT	340,849.59	597,770.00	701.30
C15	207+78.49	17.45' LT	340,841.01	597,773.05	701.81
C16	207+88.94	12.54' LT	340,852.83	597,772.81	701.56
C17	207+89.94	11.91' LT	340,854.00	597,772.95	701.49
C18	208+04.19	2.53' RT	340,873.09	597,779.81	701.56
C19	207+81.04	14.17' LT	340,845.00	597,774.76	701.14
C20	207+69.55	22.91' LT	340,828.88	597,773.73	701.21
C21	208+10.57	9.41' RT	340,881.82	597,783.26	701.00

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
D01	208+47.40	0.48' LT	340,910.75	597,758.42	701.71
D02	208+49.93	0.00' RT	340,913.25	597,757.76	701.64
D03	208+53.63	0.00' RT	340,916.58	597,756.16	701.69
D04	208+55.63	0.00' RT	340,918.39	597,755.30	701.70
D05	208+63.53	0.00' RT	340,925.52	597,751.88	701.74
D06	208+63.53	10.00' LT	340,921.20	597,742.87	702.10
D07	208+55.63	10.00' LT	340,914.06	597,746.28	702.06
D08	208+53.63	10.00' LT	340,912.26	597,747.15	702.05

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
D09	208+51.39	11.28' LT	340,909.69	597,746.96	702.12
D10	208+55.20	12.49' LT	340,912.61	597,744.22	702.55
D11	208+49.46	2.97' RT	340,914.11	597,760.65	702.14
D12	208+82.86	28.67' LT	340,929.02	597,718.15	703.07
D13	208+45.77	10.21' RT	340,913.91	597,768.77	701.42
D14	208+63.53	10.00' LT	340,930.21	597,738.54	702.10
D15	208+63.53	0.00' RT	340,934.53	597,747.56	701.94

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 49	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 7/30/2026 3:50 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
E01	44+55.40	20.87' LT	340,820.98	597,725.11	701.61
E02	44+55.41	23.45' LT	340,819.90	597,722.76	701.54
E03	44+55.33	29.45' LT	340,817.29	597,717.36	701.63
E04	44+60.74	29.36' LT	340,821.83	597,715.27	701.68
E05	44+68.45	30.55' LT	340,828.26	597,710.85	702.21
E06	44+70.71	24.99' LT	340,832.71	597,714.87	702.12
E07	44+60.74	23.36' LT	340,824.44	597,720.67	701.59
E08	44+60.69	20.78' LT	340,825.52	597,723.01	701.66
E09	44+52.42	23.46' LT	340,817.17	597,724.02	702.04

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
E10	44+87.23	50.88' LT	340,836.34	597,684.37	702.02
E11	44+84.65	50.86' LT	340,834.02	597,685.50	701.95
E12	44+78.65	50.84' LT	340,828.63	597,688.14	702.04
E13	44+78.68	45.84' LT	340,830.82	597,692.63	701.97
E14	44+77.09	38.71' LT	340,832.49	597,699.74	702.30
E15	44+82.50	36.13' LT	340,838.49	597,699.71	702.21
E16	44+84.68	45.86' LT	340,836.21	597,690.00	701.88
E17	44+87.26	45.88' LT	340,838.53	597,688.86	701.95
E18	44+84.64	53.86' LT	340,832.70	597,682.81	702.45

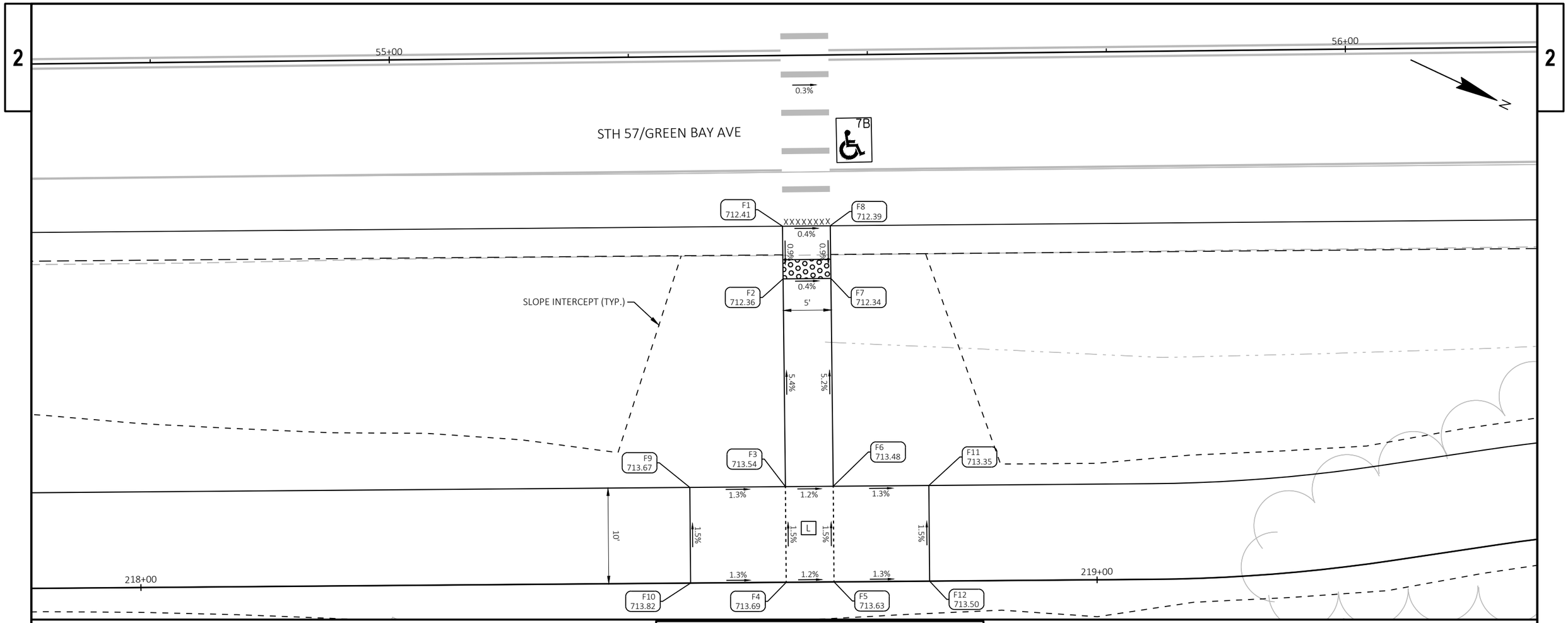
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
E19	44+46.71	20.91' LT	340,813.08	597,728.75	701.40
E20	44+87.20	58.55' LT	340,832.96	597,677.47	702.12
E21	44+62.19	45.80' LT	340,815.99	597,699.83	- -

LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.



LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

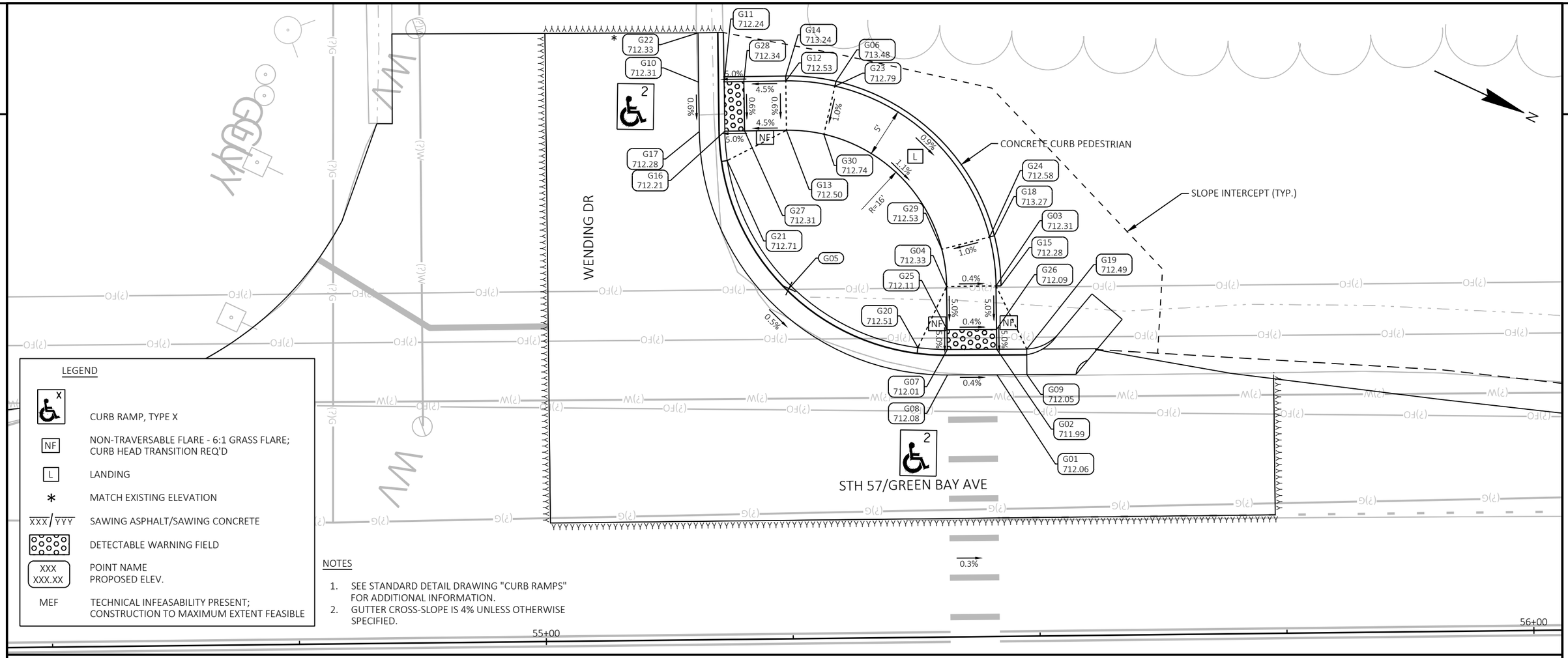
1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
F1	218+67.40	37.23' LT	341,815.09	597,288.10	712.41
F2	218+67.41	31.71' LT	341,817.49	597,293.07	712.36
F3	218+67.48	10.00' LT	341,826.93	597,312.62	713.54
F4	218+67.48	0.00' RT	341,831.25	597,321.64	713.69
F5	218+72.48	0.00' RT	341,835.76	597,319.48	713.63
F6	218+72.48	10.00' LT	341,831.44	597,310.46	713.48
F7	218+72.41	31.73' LT	341,821.99	597,290.89	712.34
F8	218+72.40	37.23' LT	341,819.60	597,285.94	712.39
F9	218+57.48	10.00' LT	341,817.91	597,316.94	713.67
F10	218+57.48	0.00' RT	341,822.23	597,325.96	713.82
F11	218+82.48	10.00' LT	341,840.46	597,306.14	713.35
F12	218+82.48	0.00' RT	341,844.78	597,315.16	713.50

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 51	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021304-cr
PLOT DATE : 7/30/2026 3:51 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
G01	55+45.91	26.51' LT	341,800.30	597,246.00	712.06
G02	55+45.93	29.09' LT	341,799.19	597,243.67	711.99
G03	55+45.93	35.50' LT	341,796.41	597,237.89	712.31
G04	55+40.93	35.50' LT	341,791.90	597,240.07	712.33
G05	55+24.96	35.47' LT	341,777.53	597,247.04	- -
G06	55+29.96	56.40' LT	341,772.94	597,226.01	713.48
G07	55+40.93	29.12' LT	341,794.68	597,245.81	712.01
G08	55+40.91	26.54' LT	341,795.78	597,248.14	712.08
G09	55+48.96	26.49' LT	341,803.05	597,244.69	712.05
G10	55+16.05	56.47' LT	341,760.38	597,231.99	712.31

STATION & OFFSET TABLE

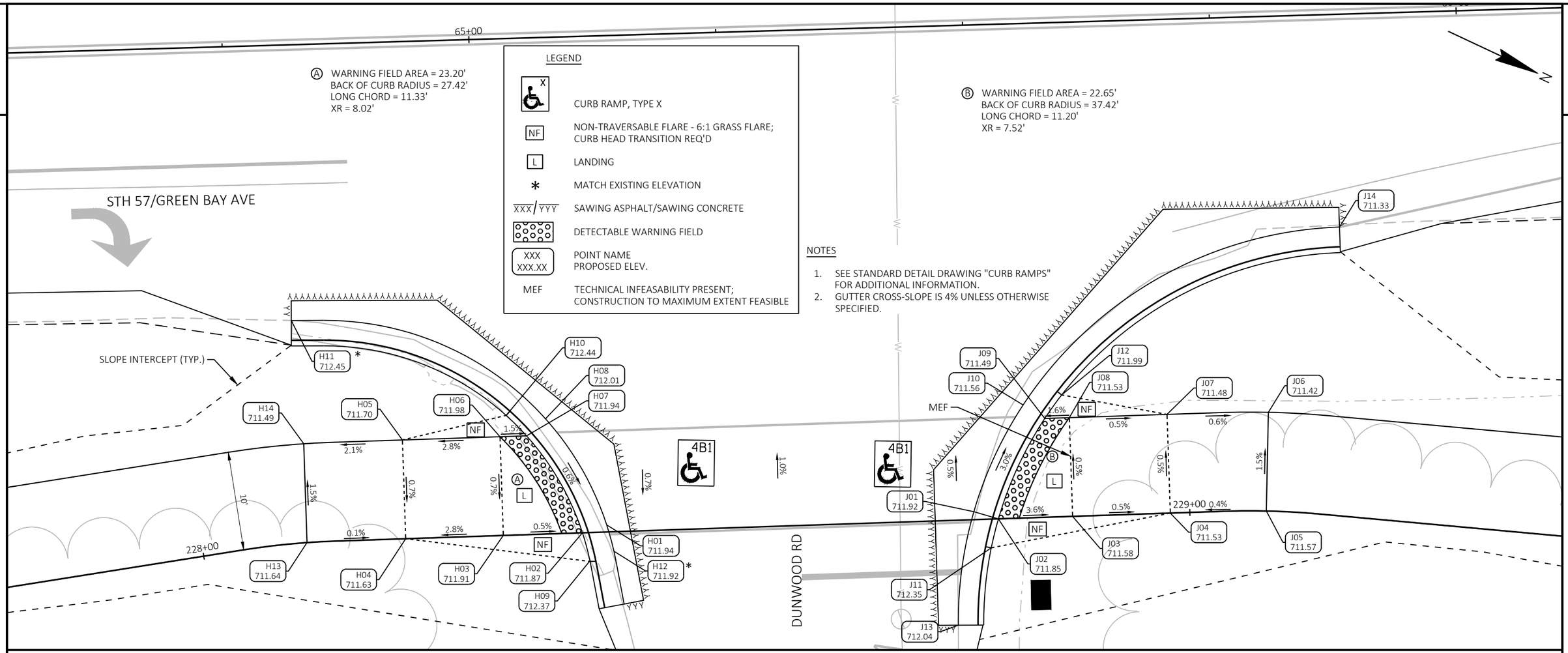
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
G11	55+18.63	56.48' LT	341,762.69	597,230.87	712.24
G12	55+24.88	56.50' LT	341,768.32	597,228.14	712.53
G13	55+24.89	51.50' LT	341,770.50	597,232.63	712.50
G14	55+24.88	57.00' LT	341,768.10	597,227.69	713.24
G15	55+46.43	35.50' LT	341,796.86	597,237.68	712.28
G16	55+18.65	51.48' LT	341,764.89	597,235.36	712.21
G17	55+16.07	51.47' LT	341,762.56	597,236.49	712.28
G18	55+45.82	40.58' LT	341,794.10	597,233.36	713.27
G19	55+48.97	29.07' LT	341,801.94	597,242.36	712.49
G20	55+37.95	29.33' LT	341,791.90	597,246.91	712.51

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
G21	55+18.85	48.50' LT	341,766.37	597,237.96	712.71
G22	55+16.07	61.47' LT	341,758.22	597,227.48	712.33
G23	55+29.84	55.91' LT	341,773.04	597,226.50	712.79
G24	55+45.33	40.46' LT	341,793.71	597,233.68	712.58
G25	55+40.93	31.12' LT	341,793.81	597,244.01	712.11
G26	55+45.93	31.09' LT	341,798.32	597,241.86	712.09
G27	55+20.65	51.49' LT	341,766.68	597,234.49	712.31
G28	55+20.63	56.49' LT	341,764.50	597,229.99	712.34
G29	55+40.48	39.28' LT	341,789.85	597,236.86	712.53
G30	55+28.67	51.05' LT	341,774.10	597,231.39	712.74

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 52	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021305-cr
PLOT DATE : 7/30/2026 3:51 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
H01	228+40.94	0.72' LT	342,703.50	596,891.57	711.94
H02	228+38.46	0.00' RT	342,701.62	596,893.34	711.87
H03	228+30.44	0.00' RT	342,694.48	596,896.98	711.91
H04	228+20.55	0.00' RT	342,685.67	596,901.48	711.63
H05	228+20.55	10.00' LT	342,681.13	596,892.57	711.70
H06	228+30.44	10.00' LT	342,689.93	596,888.08	711.98
H07	228+33.13	10.00' LT	342,692.33	596,886.85	711.94

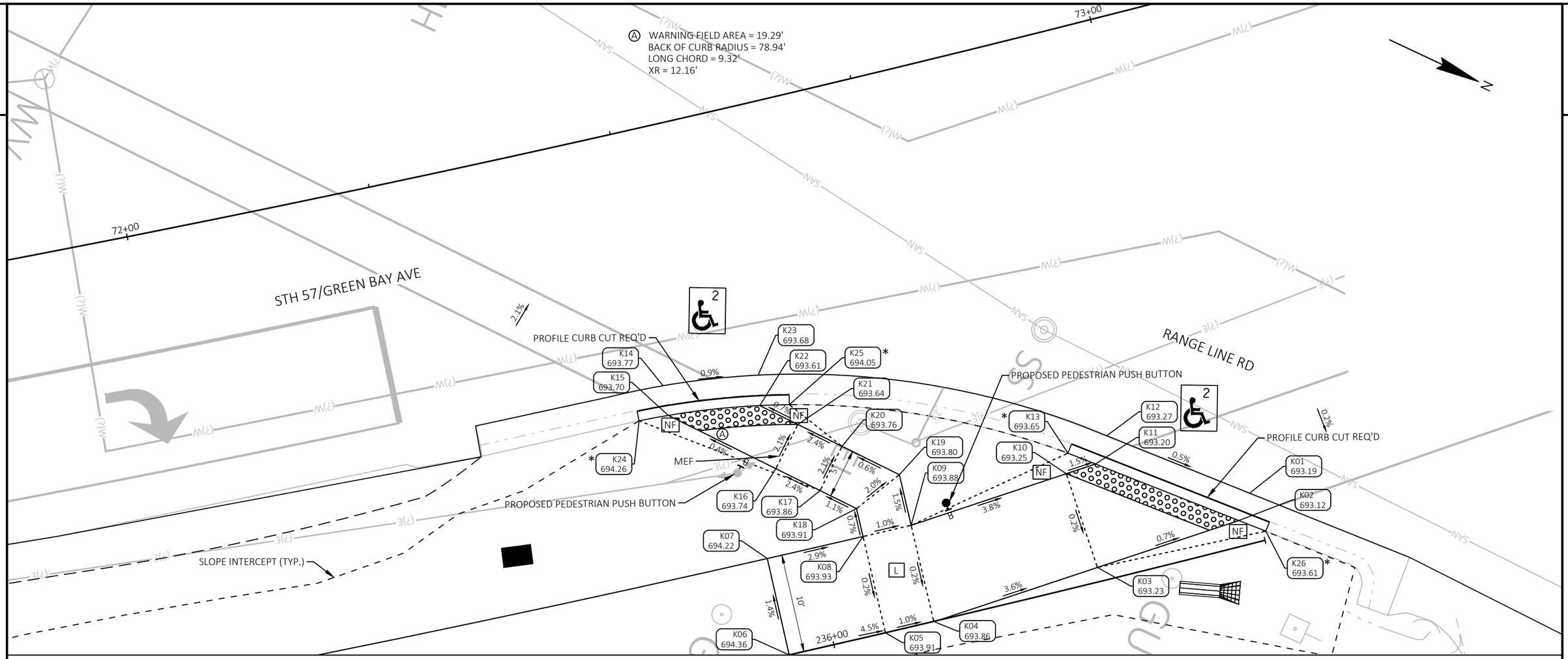
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
H08	228+35.11	11.66' LT	342,693.33	596,884.48	712.01
H09	228+39.08	2.92' RT	342,703.50	596,895.65	712.37
H10	228+31.13	12.14' LT	342,689.58	596,885.86	712.44
H11	228+10.56	22.54' LT	342,665.79	596,886.40	712.45
H12	228+41.58	1.97' RT	342,705.30	596,893.67	711.92
H13	228+14.55	0.00' RT	342,676.79	596,906.07	711.64
H14	228+14.55	10.00' LT	342,672.24	596,897.16	711.49

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
J01	228+78.15	0.80' LT	342,736.61	596,874.58	711.92
J02	228+80.60	0.00' RT	342,739.15	596,874.18	711.85
J03	228+88.12	0.00' RT	342,745.85	596,870.76	711.58
J04	228+98.02	0.00' RT	342,754.67	596,866.26	711.53
J05	229+07.74	0.00' RT	342,763.38	596,861.94	711.57
J06	229+07.74	10.00' LT	342,759.33	596,852.80	711.42
J07	228+98.02	10.00' LT	342,750.12	596,857.35	711.48

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
J08	228+88.12	10.00' LT	342,741.31	596,861.85	711.53
J09	228+85.63	10.00' LT	342,739.09	596,862.98	711.49
J10	228+83.49	11.44' LT	342,736.53	596,862.67	711.56
J11	228+79.78	2.91' RT	342,739.74	596,877.14	712.35
J12	228+87.42	12.33' LT	342,739.63	596,860.10	711.99
J13	228+76.18	10.63' RT	342,740.05	596,885.65	712.04
J14	229+12.64	29.12' LT	342,757.88	596,832.77	711.33

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 53	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021306-cr
PLOT DATE : 7/30/2026 3:51 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
K01	236+44.59	5.01' LT	343,395.57	596,489.81	693.19
K02	236+42.83	2.59' LT	343,395.75	596,492.79	693.12
K03	236+27.78	1.44' LT	343,384.81	596,503.17	693.23
K04	236+10.38	0.00' RT	343,372.13	596,515.15	693.86
K05	236+05.36	0.00' RT	343,368.18	596,518.26	693.91
K06	235+95.36	0.00' RT	343,360.31	596,524.43	694.36
K07	235+95.36	10.00' LT	343,354.16	596,516.54	694.22
K08	236+05.36	10.00' LT	343,361.99	596,510.41	693.93
K09	236+10.38	10.00' LT	343,365.92	596,507.31	693.88

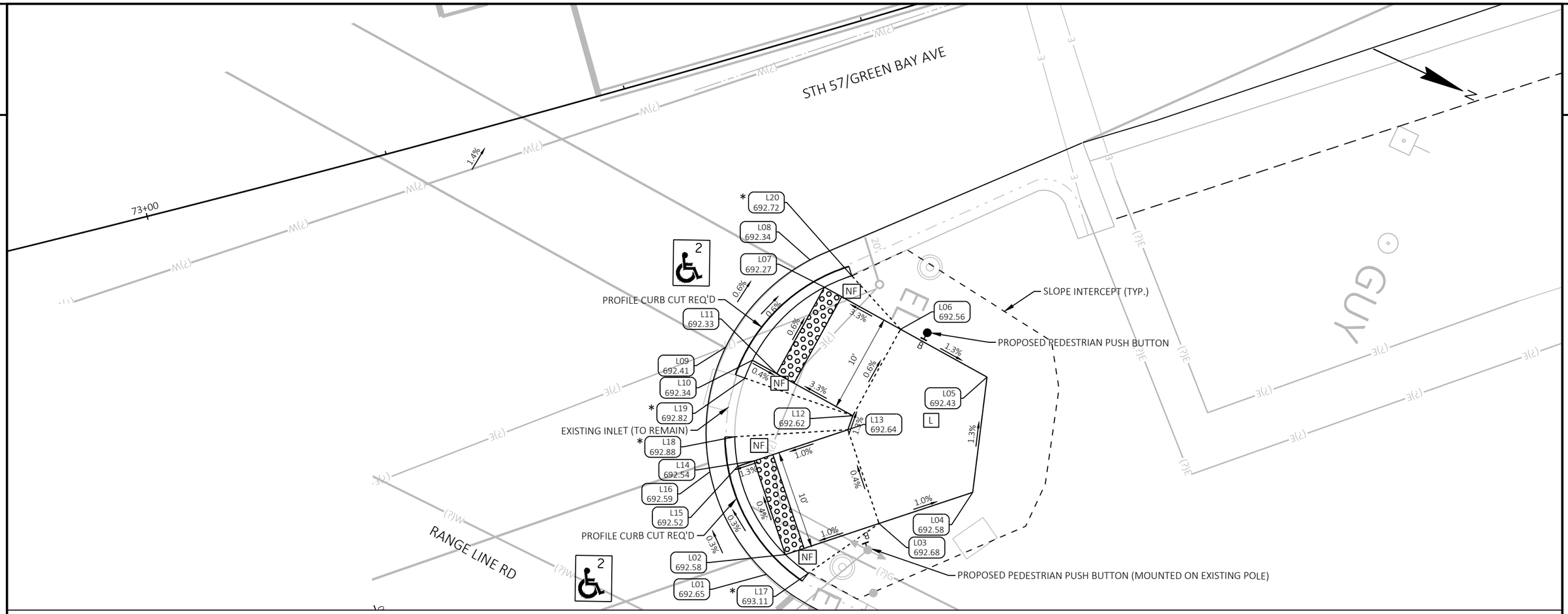
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
K10	236+26.97	11.41' LT	343,377.93	596,495.91	693.25
K11	236+30.10	11.66' LT	343,380.19	596,493.77	693.20
K12	236+31.90	14.17' LT	343,380.01	596,490.69	693.27
K13	236+27.63	13.39' LT	343,377.19	596,493.96	693.65
K14	235+88.85	29.39' LT	343,337.18	596,505.18	693.77
K15	235+88.70	26.35' LT	343,338.93	596,507.68	693.70
K16	235+98.25	18.68' LT	343,351.09	596,507.94	693.74
K17	236+02.15	15.51' LT	343,356.08	596,508.04	693.86
K18	236+05.36	12.90' LT	343,360.20	596,508.13	693.91

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
K19	236+10.39	15.26' LT	343,362.66	596,503.18	693.80
K20	236+05.36	19.38' LT	343,356.19	596,503.04	693.76
K21	236+01.45	22.55' LT	343,351.19	596,502.94	693.64
K22	235+98.09	25.27' LT	343,346.90	596,502.84	693.61
K23	235+98.62	28.31' LT	343,345.44	596,500.13	693.68
K24	235+85.66	26.45' LT	343,336.49	596,509.43	694.26
K25	236+01.06	24.69' LT	343,349.57	596,501.49	694.05
K26	0+00.00	0.00'	343,398.69	596,492.60	693.61

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 54	E



LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

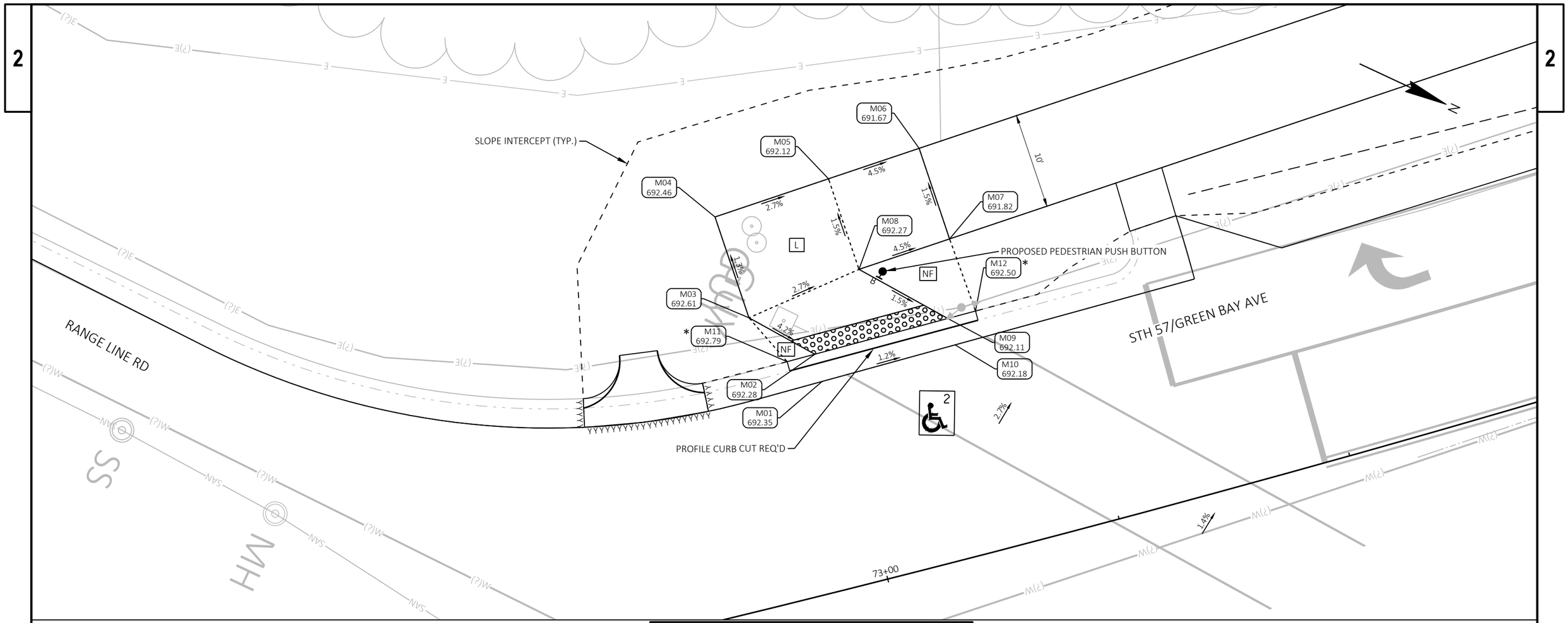
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
L01	73+50.55	51.19' RT	343,432.78	596,459.43	692.65
L02	73+52.87	49.79' RT	343,433.66	596,456.81	692.58
L03	73+62.61	49.36' RT	343,440.92	596,449.93	692.68
L04	73+72.35	48.99' RT	343,448.17	596,443.04	692.58
L05	73+76.93	38.21' RT	343,444.52	596,431.86	692.43
L06	73+70.03	31.09' RT	343,434.55	596,431.20	692.56
L07	73+63.91	24.85' RT	343,425.76	596,430.61	692.27
L08	73+63.27	21.79' RT	343,423.26	596,428.73	692.34
L09	73+52.77	27.94' RT	343,419.28	596,440.36	692.41
L10	73+54.99	29.95' RT	343,422.30	596,440.41	692.34

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
L11	73+56.95	31.93' RT	343,425.09	596,440.59	692.33
L12	73+63.07	38.15' RT	343,433.88	596,441.18	692.62
L13	73+62.21	39.37' RT	343,434.03	596,442.67	692.64
L14	73+52.43	39.80' RT	343,426.78	596,449.56	692.54
L15	73+50.71	39.88' RT	343,425.51	596,450.76	692.52
L16	73+47.90	39.66' RT	343,423.19	596,452.47	692.59
L17	73+54.52	52.26' RT	343,436.56	596,457.57	693.11
L18	73+51.22	36.92' RT	343,423.96	596,448.18	692.88
L19	73+53.56	31.78' RT	343,422.40	596,442.35	692.82
L20	73+66.85	24.53' RT	343,427.78	596,428.40	692.72

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 55	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021308-cr
PLOT DATE : 7/30/2026 3:52 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

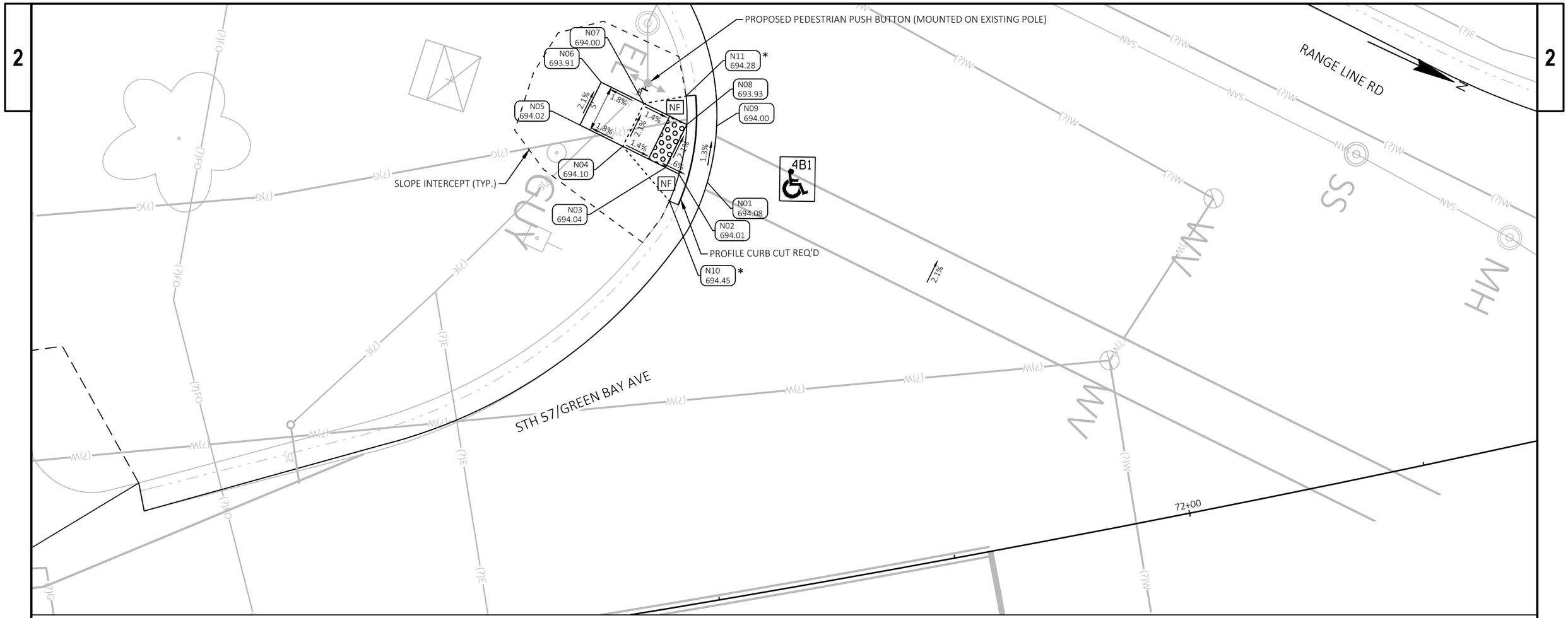
NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
M01	72+98.43	21.74' LT	343,345.65	596,437.42	692.35
M02	72+98.36	24.68' LT	343,343.74	596,435.18	692.28
M03	72+92.51	30.05' LT	343,335.87	596,434.66	692.61
M04	72+91.60	41.15' LT	343,328.18	596,426.61	692.46
M05	73+04.36	42.12' LT	343,337.23	596,417.96	692.12
M06	73+14.57	42.83' LT	343,344.46	596,411.05	691.67
M07	73+15.26	32.86' LT	343,351.37	596,418.28	691.82
M08	73+05.12	32.15' LT	343,344.14	596,425.19	692.27
M09	73+12.95	24.85' LT	343,354.74	596,425.89	692.11
M10	73+12.99	21.99' LT	343,356.60	596,428.07	692.18
M11	72+95.32	24.63' LT	343,341.44	596,437.12	692.79
M12	73+15.99	24.87' LT	343,357.03	596,423.96	692.50

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 56	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
N01	71+56.25	43.28' LT	343,221.28	596,504.64	694.08
N02	71+53.41	44.63' LT	343,218.23	596,505.12	694.01
N03	71+52.13	45.55' LT	343,216.68	596,505.09	694.04
N04	71+47.98	48.49' LT	343,211.68	596,504.98	694.10
N05	71+43.83	51.42' LT	343,206.68	596,504.88	694.02
N06	71+46.84	55.47' LT	343,206.79	596,499.88	693.91
N07	71+51.00	52.52' LT	343,211.79	596,500.00	694.00
N08	71+55.15	49.59' LT	343,216.78	596,500.09	693.93
N09	71+58.28	48.91' LT	343,219.67	596,498.90	694.00
N10	71+51.92	42.01' LT	343,218.53	596,508.11	694.45
N11	71+55.60	52.54' LT	343,215.45	596,497.42	694.28

LEGEND

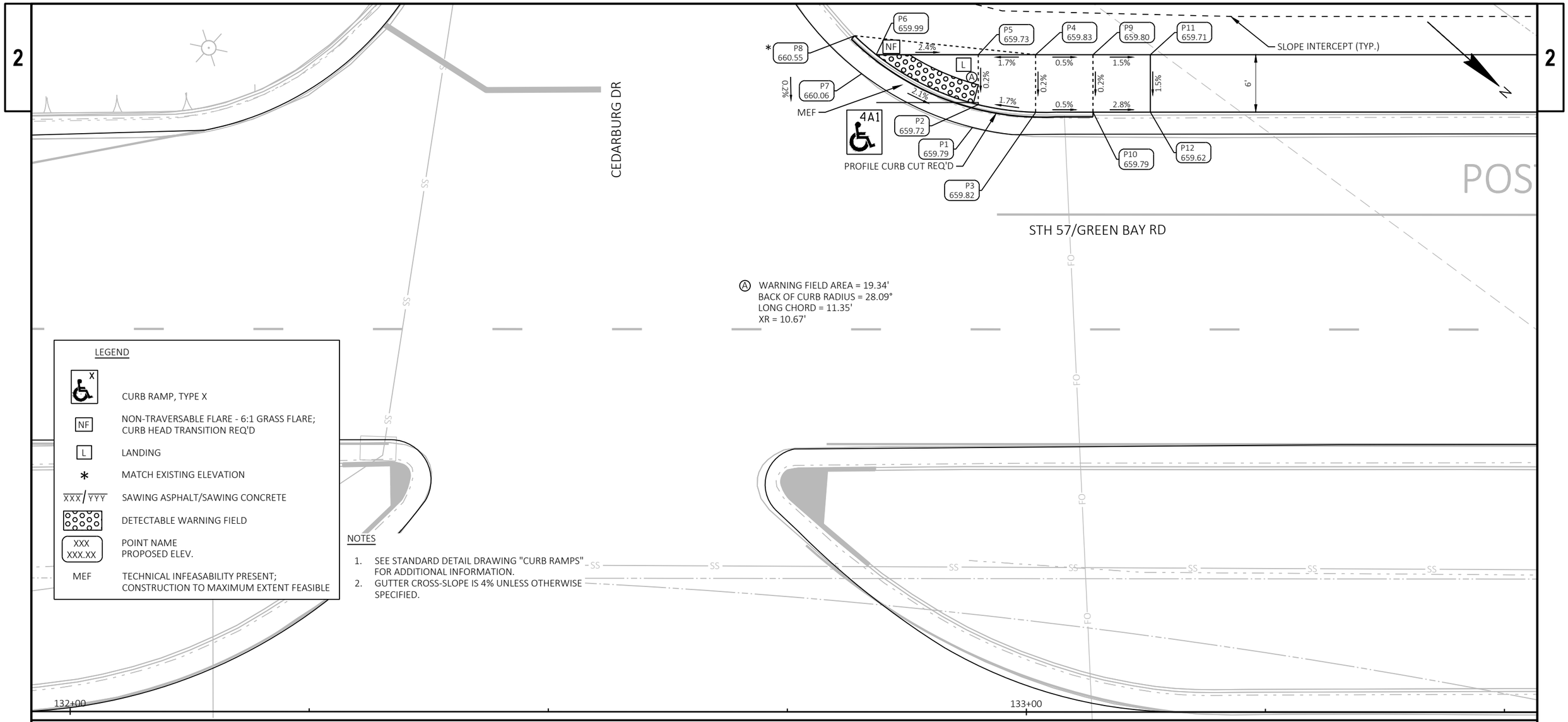
- X — CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CURB RAMP DETAILS	SHEET 57	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021301-CR.DWG
LAYOUT NAME - 021310-cr
PLOT DATE : 7/30/2026 3:52 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



Ⓐ WARNING FIELD AREA = 19.34'
BACK OF CURB RADIUS = 28.09°
LONG CHORD = 11.35'
XR = 10.67'

LEGEND

- CURB RAMP, TYPE X
- NF — NON-TRAVERSABLE FLARE - 6:1 GRASS FLARE; CURB HEAD TRANSITION REQ'D
- L — LANDING
- * — MATCH EXISTING ELEVATION
- XXX/YYY — SAWING ASPHALT/SAWING CONCRETE
- DETECTABLE WARNING FIELD
- XXX / XXX.XX — POINT NAME / PROPOSED ELEV.
- MEF — TECHNICAL INFEASABILITY PRESENT; CONSTRUCTION TO MAXIMUM EXTENT FEASIBLE

NOTES

1. SEE STANDARD DETAIL DRAWING "CURB RAMPS" FOR ADDITIONAL INFORMATION.
2. GUTTER CROSS-SLOPE IS 4% UNLESS OTHERWISE SPECIFIED.

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
P1	132+94.34	61.12' LT	347,515.91	592,191.14	659.79
P2	132+94.94	63.50' LT	347,514.77	592,188.97	659.72
P3	133+00.94	62.69' LT	347,519.78	592,185.56	659.82
P4	133+00.93	68.72' LT	347,515.76	592,181.07	659.83

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
P5	132+94.93	68.71' LT	347,511.29	592,185.08	659.73
P6	132+84.27	68.71' LT	347,503.34	592,192.20	659.99
P7	132+82.74	66.72' LT	347,503.53	592,194.70	660.06
P8	132+82.01	70.69' LT	347,500.34	592,192.23	660.55

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
P9	133+00.93	68.72' LT	347,520.22	592,177.07	659.80
P10	133+00.93	68.72' LT	347,524.23	592,181.54	659.79
P11	133+00.93	68.72' LT	347,524.69	592,173.07	659.71
P12	133+00.93	68.72' LT	347,528.70	592,177.53	659.62

2

CTH PP/GOOD HOPE RD

R/W

BEGIN PROJECT
STA 33+00.00

STH 57/GREEN BAY AVE

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

TLE

FAIRLANE AVE

HEMLOCK RD

WENDING DR

WALLS

MATCH LINE 43+00

MATCH LINE 58+00

EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- (R) SILT FENCE DRAINAGE RELIEF

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 59	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 7/30/2026 4:47 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 58+00

MATCH LINE 73+00

MATCH LINE 73+00

MATCH LINE 88+00

STH 57/GREEN BAY AVE

STH 57/GREEN BAY RD

RANGE LINE RD

DUNWOOD RD

BROWN DEER PARK

R/W

TLE

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

FLAG

WALLS

PLAYGROUND

A/C

EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- (R) SILT FENCE DRAINAGE RELIEF

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 60	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 7/30/2026 4:48 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

DEBRIS CONTAINMENT OVER WATERWAY (C-40-78): MATERIAL WASTE RESULTING FROM DRILLING, CHIPPING, GRINDING, CONCRETE REMOVAL AND OTHER OPERATIONS SHALL BE COLLECTED. WASTE MATERIAL SHALL NOT BE ALLOWED TO FALL, DRIP. OR BLOW INTO THE WATERWAY, WETLANDS, OR STREAMBANK. METHODS OF WASTE COLLECTION SHALL BE INCLUDED IN THE EROSION CONTROL IMPLEMENTATION PLAN SUBMITTED TO THE ENGINEER.

MATCH LINE 88+00

MATCH LINE 103+00

PELICAN LN

STH 57/GREEN BAY RD

BRADLEY RD

SERVICE RD

R/W

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

TLE

EROSION CONTROL LEGEND

- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED, THEN PLACE INLET PROTECTION TYPE C
- CULVERT PIPE CHECKS (ROCK BAGS REQ'D)
- TEMPORARY DITCH CHECKS
- TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND EROSION MAT URBAN CLASS 1 TYPE B
- RIPRAP MEDIUM
- SURFACE WATER FLOW
- SILT FENCE
- SILT FENCE HEAVY DUTY
- R SILT FENCE DRAINAGE RELIEF

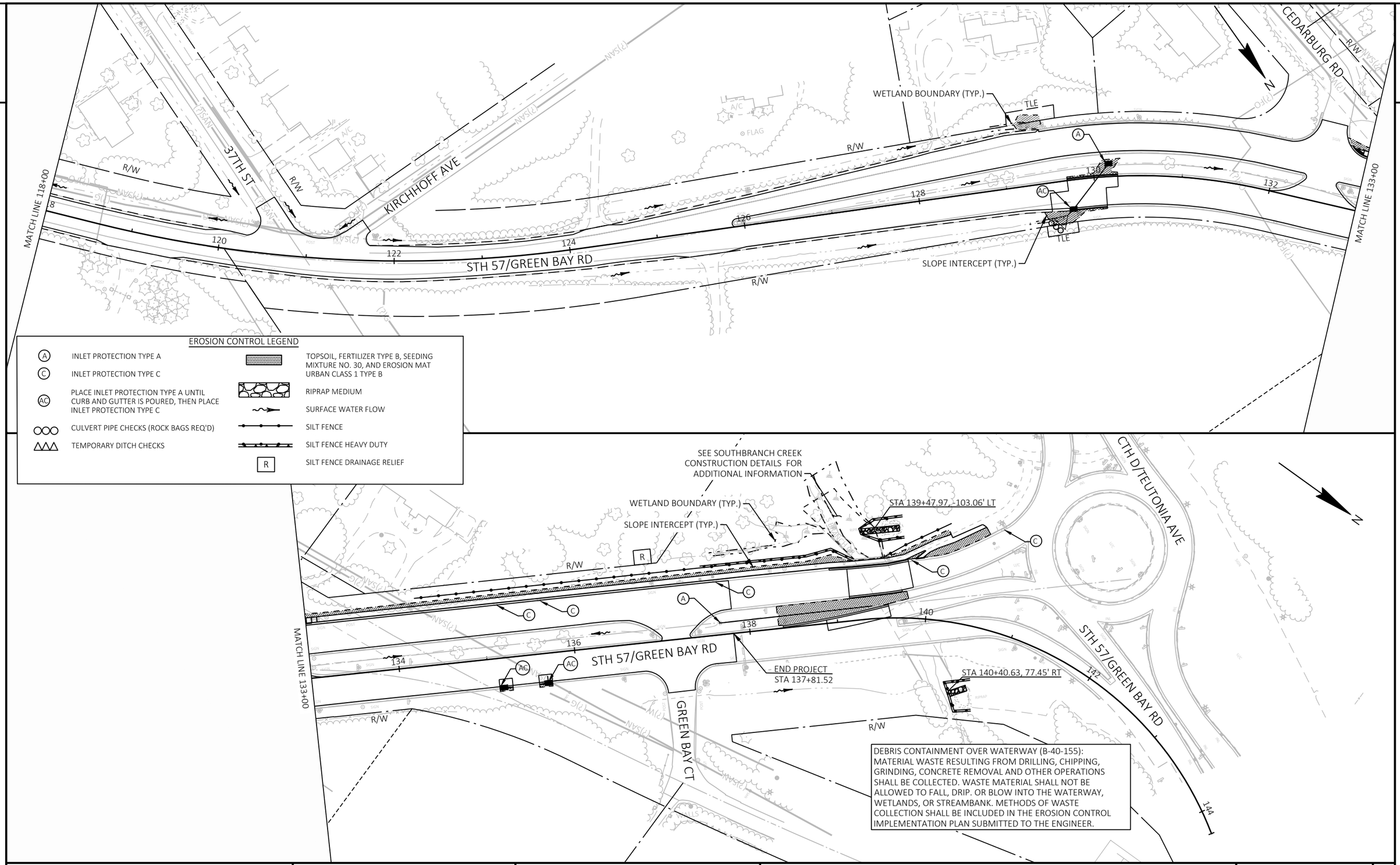
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 61	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 7/30/2026 4:48 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

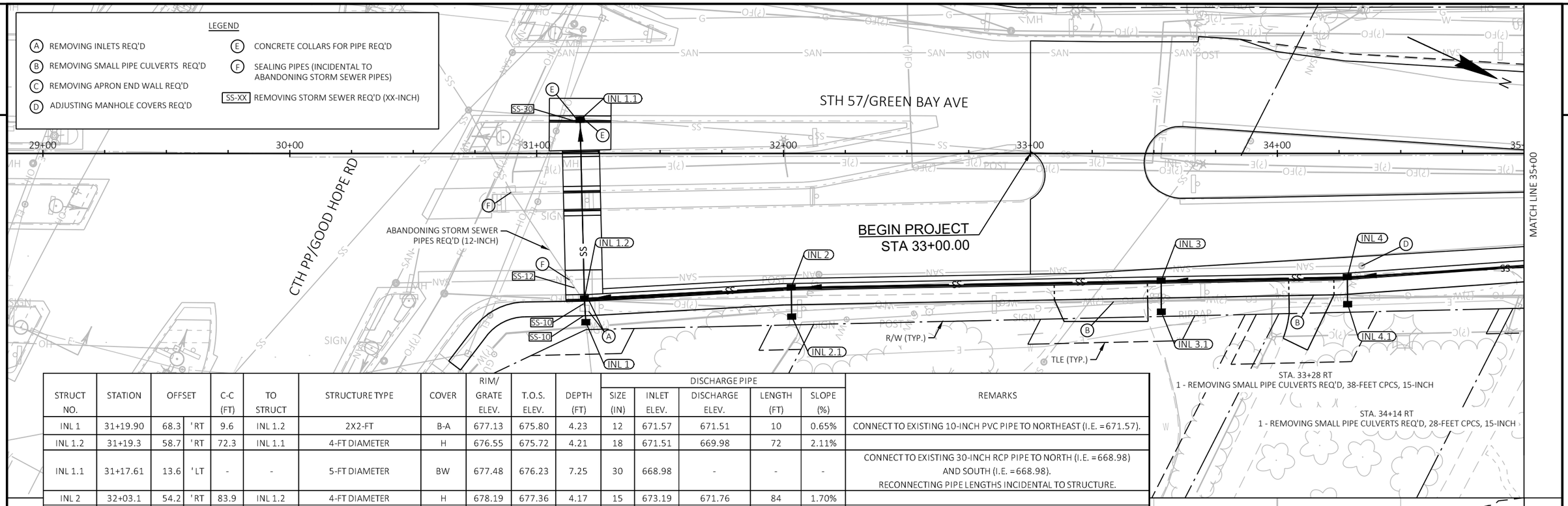
2



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	EROSION CONTROL	SHEET 62	E

LEGEND

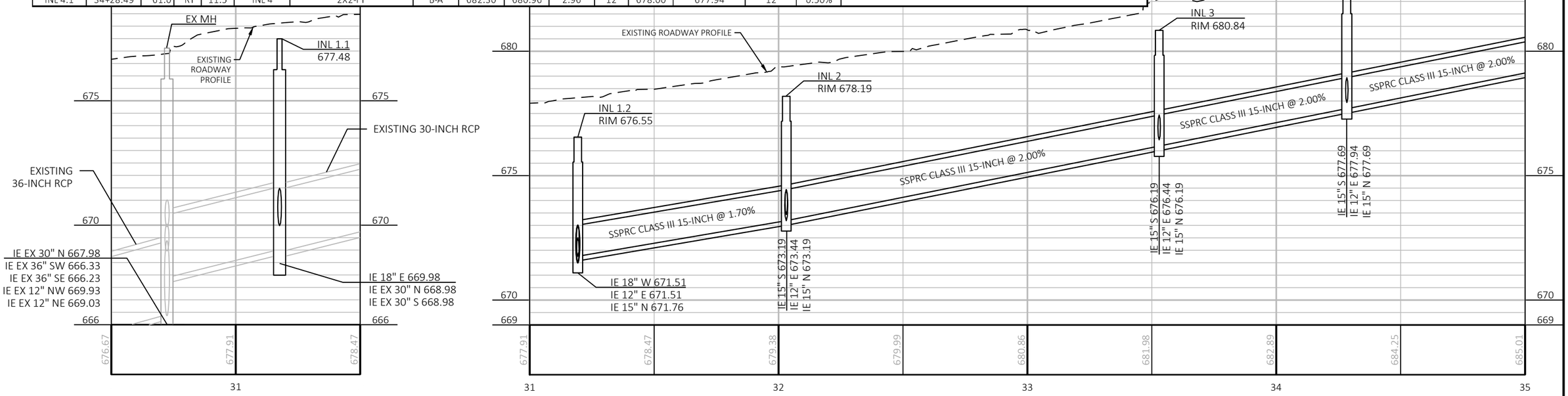
- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



STA. 33+28 RT
1 - REMOVING SMALL PIPE CULVERTS REQ'D, 38-FEET CPCS, 15-INCH

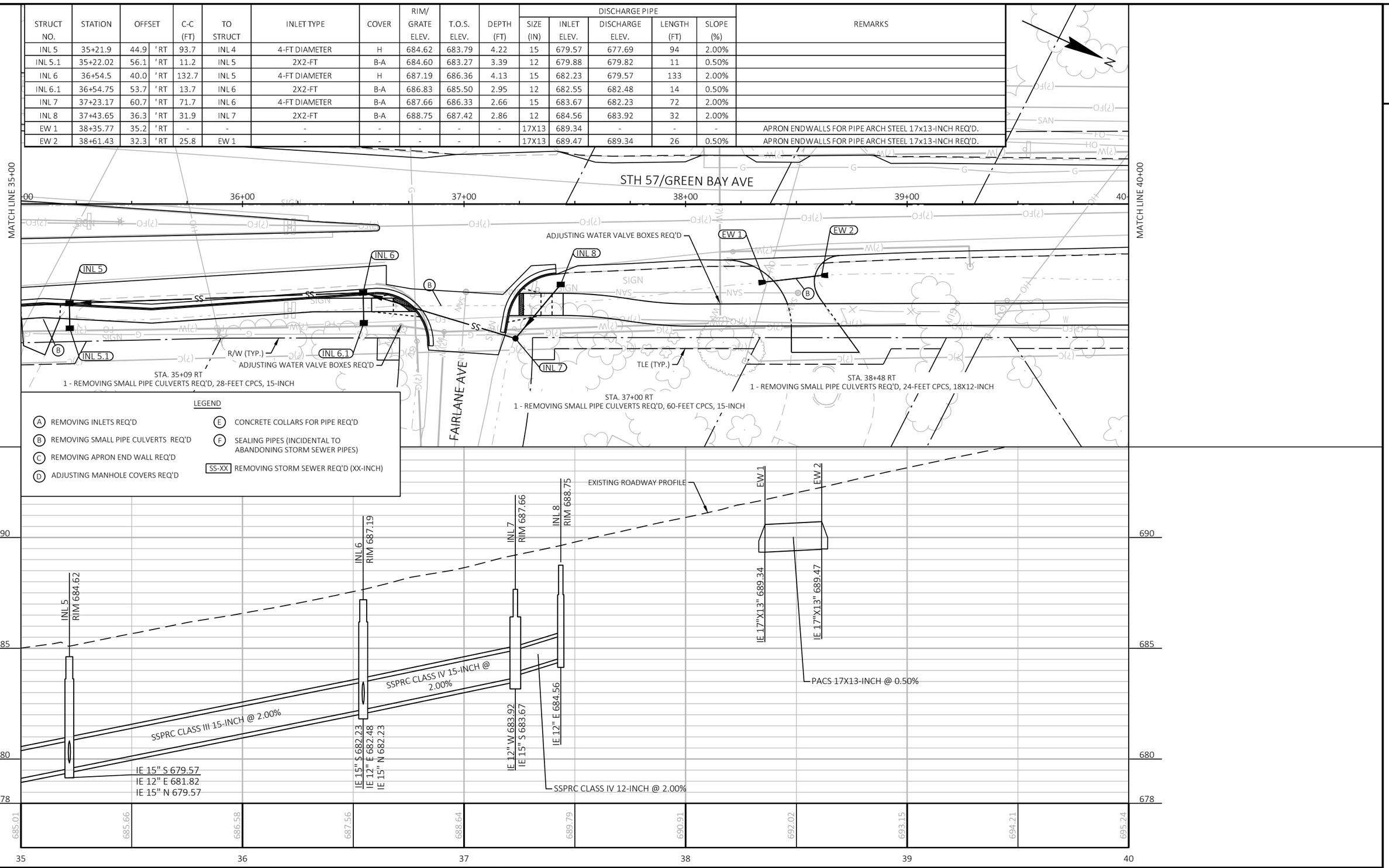
STA. 34+14 RT
1 - REMOVING SMALL PIPE CULVERTS REQ'D, 28-FEET CPCS, 15-INCH

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	STRUCTURE TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 1	31+19.90	68.3	'RT	9.6	INL 1.2	2X2-FT	B-A	677.13	675.80	4.23	12	671.57	671.51	10	0.65%	CONNECT TO EXISTING 10-INCH PVC PIPE TO NORTHEAST (I.E. =671.57).
INL 1.2	31+19.3	58.7	'RT	72.3	INL 1.1	4-FT DIAMETER	H	676.55	675.72	4.21	18	671.51	669.98	72	2.11%	
INL 1.1	31+17.61	13.6	'LT	-	-	5-FT DIAMETER	BW	677.48	676.23	7.25	30	668.98	-	-	-	CONNECT TO EXISTING 30-INCH RCP PIPE TO NORTH (I.E. =668.98) AND SOUTH (I.E. =668.98). RECONNECTING PIPE LENGTHS INCIDENTAL TO STRUCTURE.
INL 2	32+03.1	54.2	'RT	83.9	INL 1.2	4-FT DIAMETER	H	678.19	677.36	4.17	15	673.19	671.76	84	1.70%	
INL 2.1	32+03.30	66.0	'RT	11.8	INL 2	2X2-FT	B-A	677.91	676.58	3.08	12	673.50	673.44	12	0.50%	
INL 3	33+52.9	51.5	'RT	149.9	INL 2	4-FT DIAMETER	H	680.84	680.01	3.82	15	676.19	673.19	150	2.00%	
INL 3.1	33+53.01	64.1	'RT	12.6	INL 3	2X2-FT	B-A	680.28	678.95	2.44	12	676.51	676.44	13	0.50%	
INL 4	34+28.3	50.0	'RT	75.4	INL 3	4-FT DIAMETER	H	682.51	681.68	3.99	15	677.69	676.19	75	2.00%	
INL 4.1	34+28.49	61.0	'RT	11.5	INL 4	2X2-FT	B-A	682.30	680.96	2.96	12	678.00	677.94	12	0.50%	



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 63	E

STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 5	35+21.9	44.9	'RT	93.7	INL 4	4-FT DIAMETER	H	684.62	683.79	4.22	15	679.57	677.69	94	2.00%	
INL 5.1	35+22.02	56.1	'RT	11.2	INL 5	2X2-FT	B-A	684.60	683.27	3.39	12	679.88	679.82	11	0.50%	
INL 6	36+54.5	40.0	'RT	132.7	INL 5	4-FT DIAMETER	H	687.19	686.36	4.13	15	682.23	679.57	133	2.00%	
INL 6.1	36+54.75	53.7	'RT	13.7	INL 6	2X2-FT	B-A	686.83	685.50	2.95	12	682.55	682.48	14	0.50%	
INL 7	37+23.17	60.7	'RT	71.7	INL 6	4-FT DIAMETER	B-A	687.66	686.33	2.66	15	683.67	682.23	72	2.00%	
INL 8	37+43.65	36.3	'RT	31.9	INL 7	2X2-FT	B-A	688.75	687.42	2.86	12	684.56	683.92	32	2.00%	
EW 1	38+35.77	35.2	'RT	-	-	-	-	-	-	-	17X13	689.34	-	-	-	APRON ENDWALLS FOR PIPE ARCH STEEL 17x13-INCH REQ'D.
EW 2	38+61.43	32.3	'RT	25.8	EW 1	-	-	-	-	-	17X13	689.47	689.34	26	0.50%	APRON ENDWALLS FOR PIPE ARCH STEEL 17x13-INCH REQ'D.



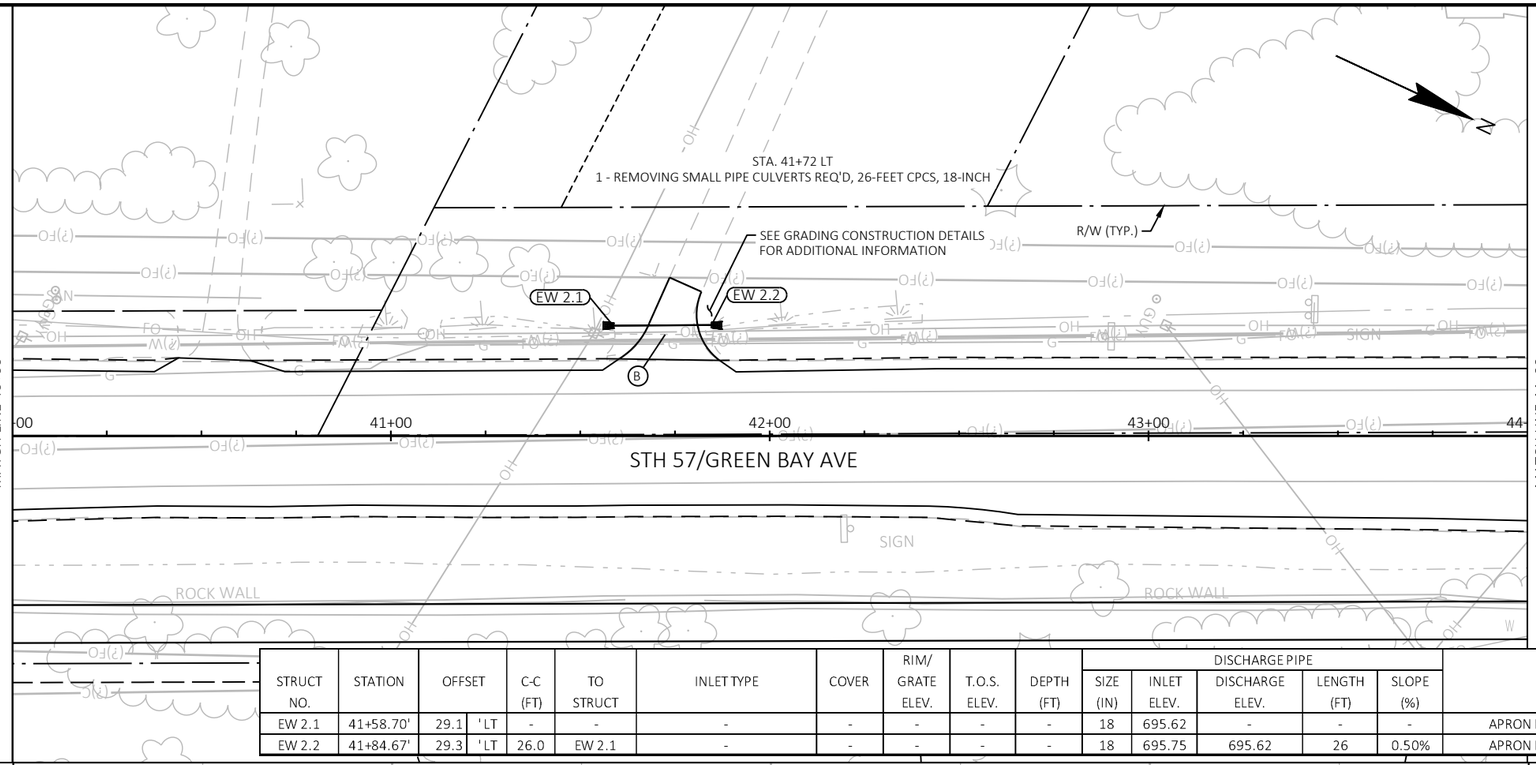
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 64	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022501-SS.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 7/30/2026 10:52 AM
PLOT BY : SADOWSKI, ANNA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

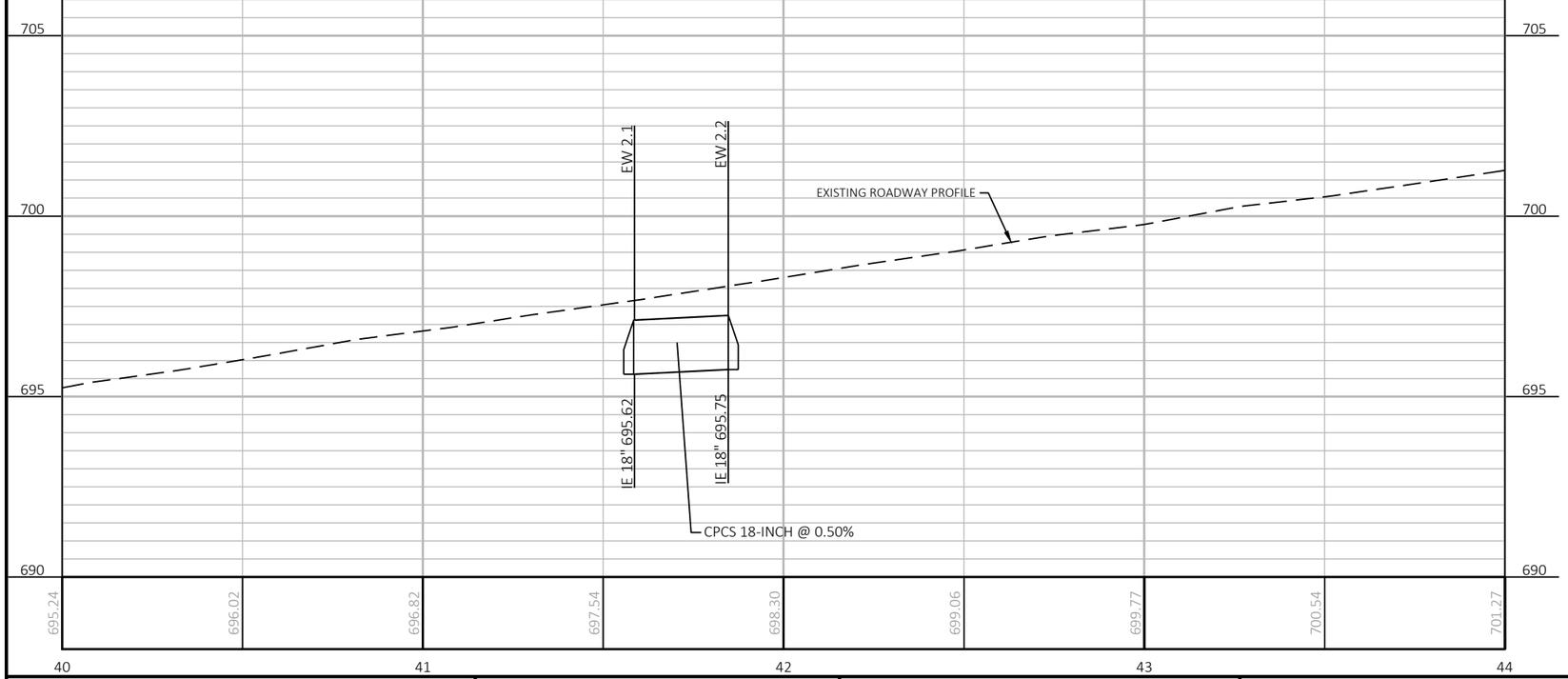
2

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 2.1	41+58.70'	29.1	'LT	-	-	-	-	-	-	-	18	695.62	-	-	-	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH REQ'D.
EW 2.2	41+84.67'	29.3	'LT	26.0	EW 2.1	-	-	-	-	-	18	695.75	695.62	26	0.50%	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH REQ'D.

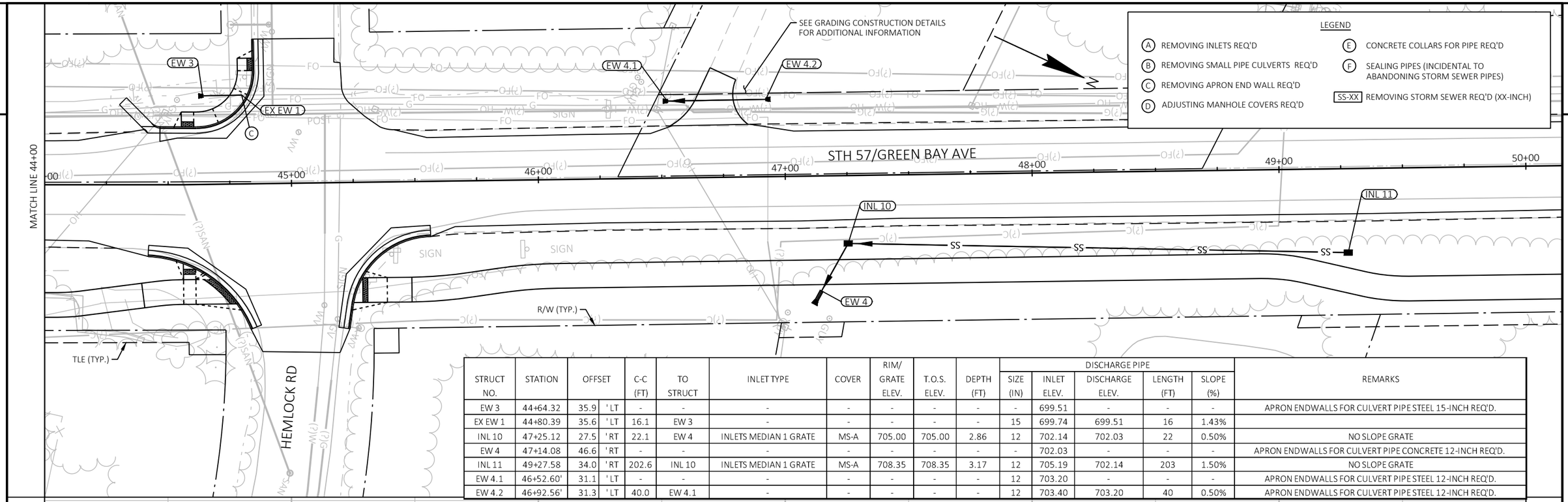


PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 65	E

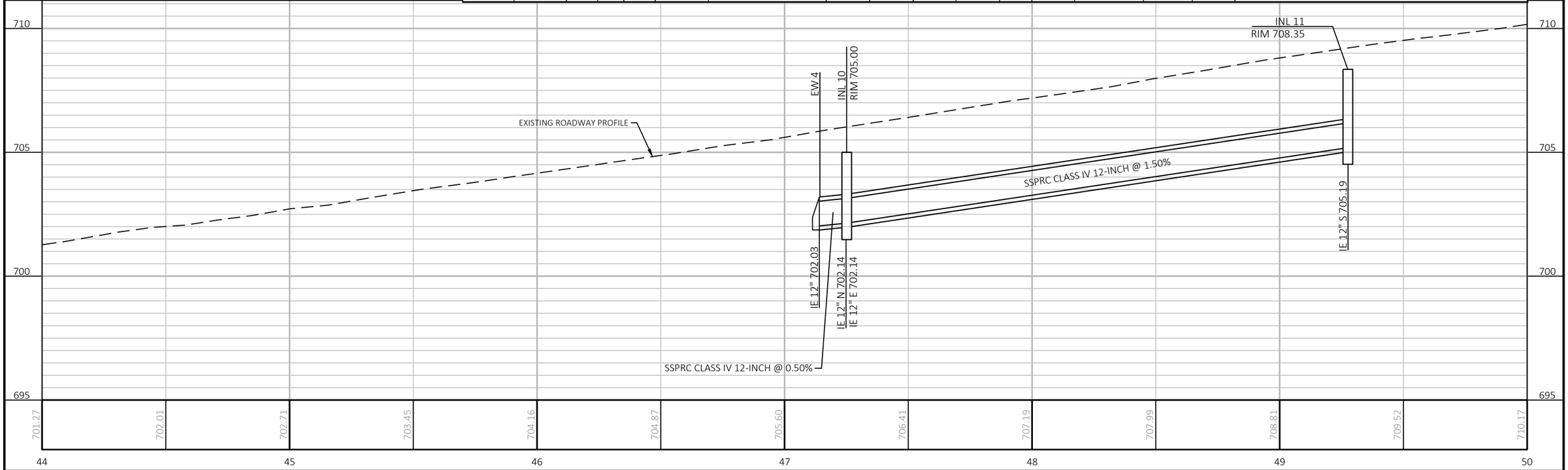
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022501-SS.DWG
LAYOUT NAME - 022503a-ss

PLOT DATE : 7/30/2026 10:52 AM PLOT BY : SADOWSKI, ANNA PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 3	44+64.32	35.9	'LT	-	-	-	-	-	-	-	-	699.51	-	-	-	APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH REQ'D.
EX EW 1	44+80.39	35.6	'LT	16.1	EW 3	-	-	-	-	-	15	699.74	699.51	16	1.43%	
INL 10	47+25.12	27.5	'RT	22.1	EW 4	INLETS MEDIAN 1 GRATE	MS-A	705.00	705.00	2.86	12	702.14	702.03	22	0.50%	NO SLOPE GRATE
EW 4	47+14.08	46.6	'RT	-	-	-	-	-	-	-	-	702.03	-	-	-	APRON ENDWALLS FOR CULVERT PIPE CONCRETE 12-INCH REQ'D.
INL 11	49+27.58	34.0	'RT	202.6	INL 10	INLETS MEDIAN 1 GRATE	MS-A	708.35	708.35	3.17	12	705.19	702.14	203	1.50%	NO SLOPE GRATE
EW 4.1	46+52.60'	31.1	'LT	-	-	-	-	-	-	-	12	703.20	-	-	-	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH REQ'D.
EW 4.2	46+92.56'	31.3	'LT	40.0	EW 4.1	-	-	-	-	-	12	703.40	703.20	40	0.50%	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH REQ'D.

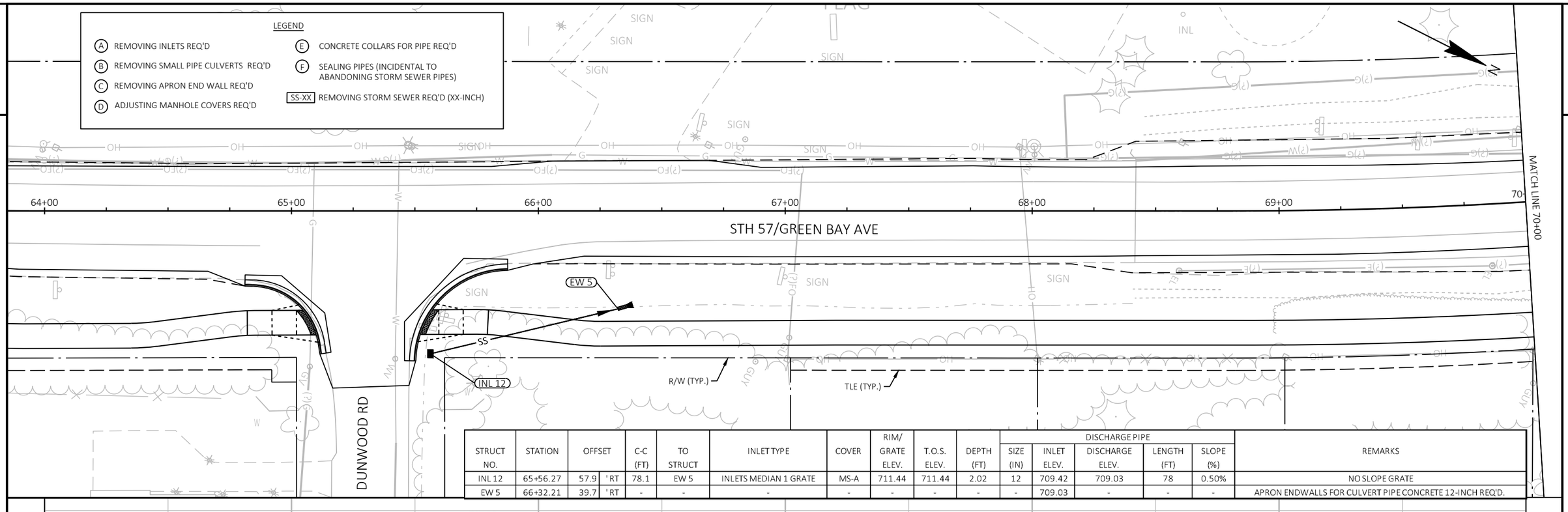


PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 66	E

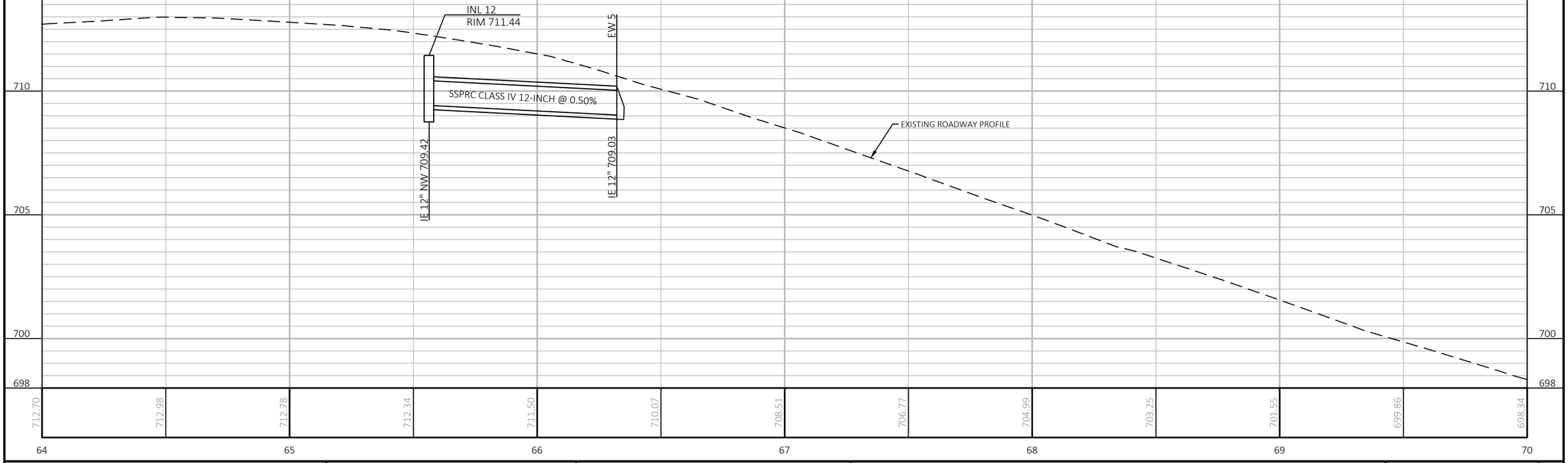
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022501-SS.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 7/30/2026 10:52 AM PLOT BY : SADOWSKI, ANNA PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

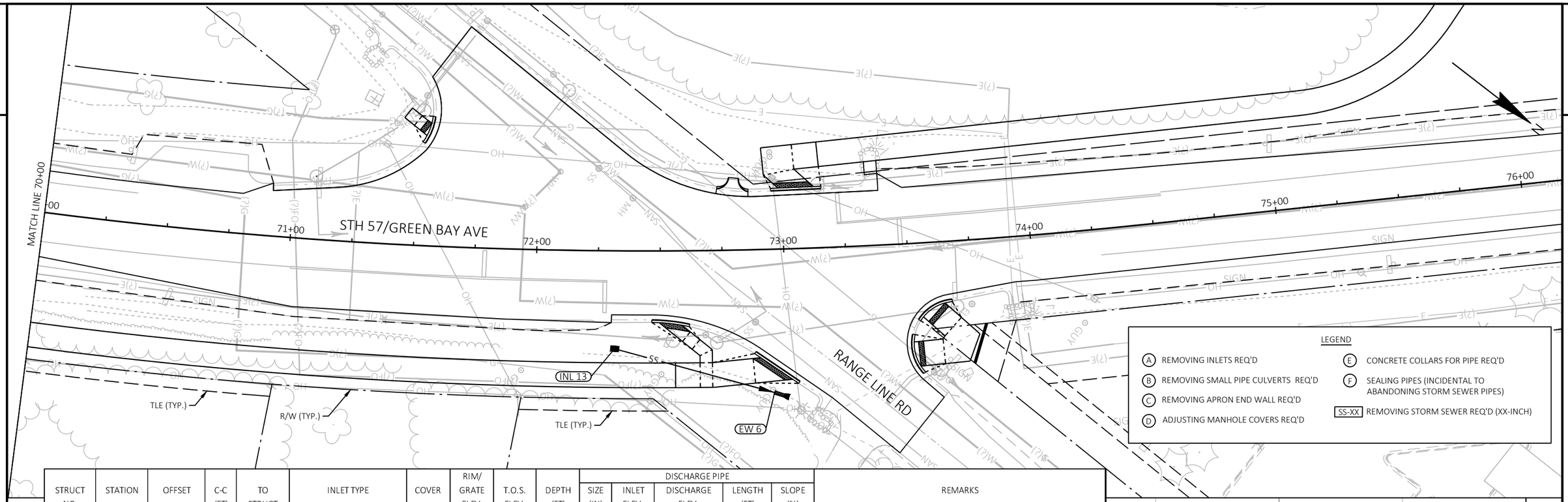


STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 12	65+56.27	57.9 ' RT	78.1	EW 5	INLETS MEDIAN 1 GRATE	MS-A	711.44	711.44	2.02	12	709.42	709.03	78	0.50%	NO SLOPE GRATE
EW 5	66+32.21	39.7 ' RT	-	-	-	-	-	-	-	-	709.03	-	-	-	APRON ENDWALLS FOR CULVERT PIPE CONCRETE 12-INCH REQ'D.

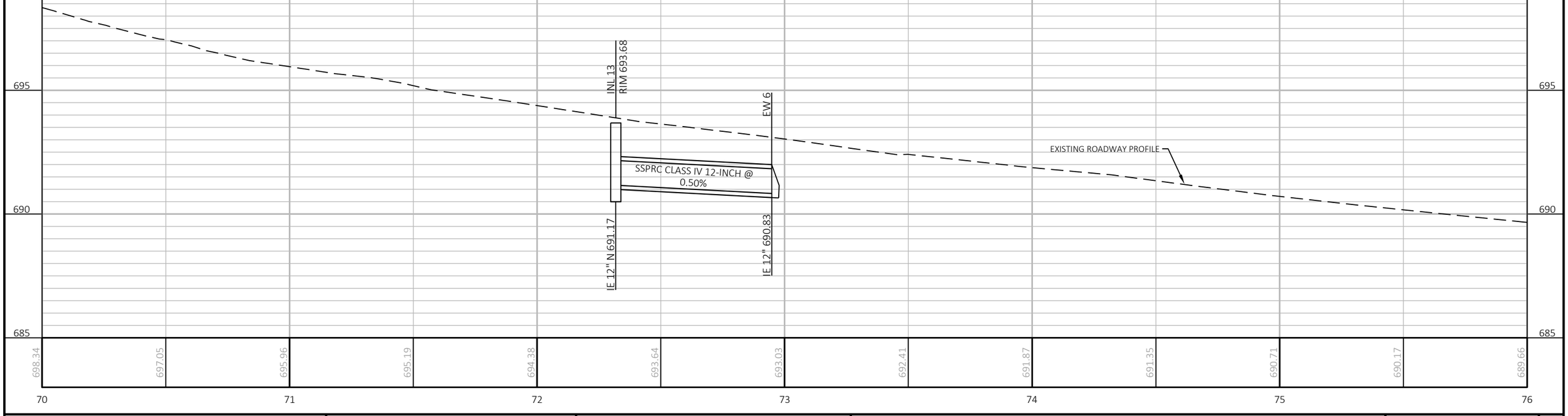


PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 67	E

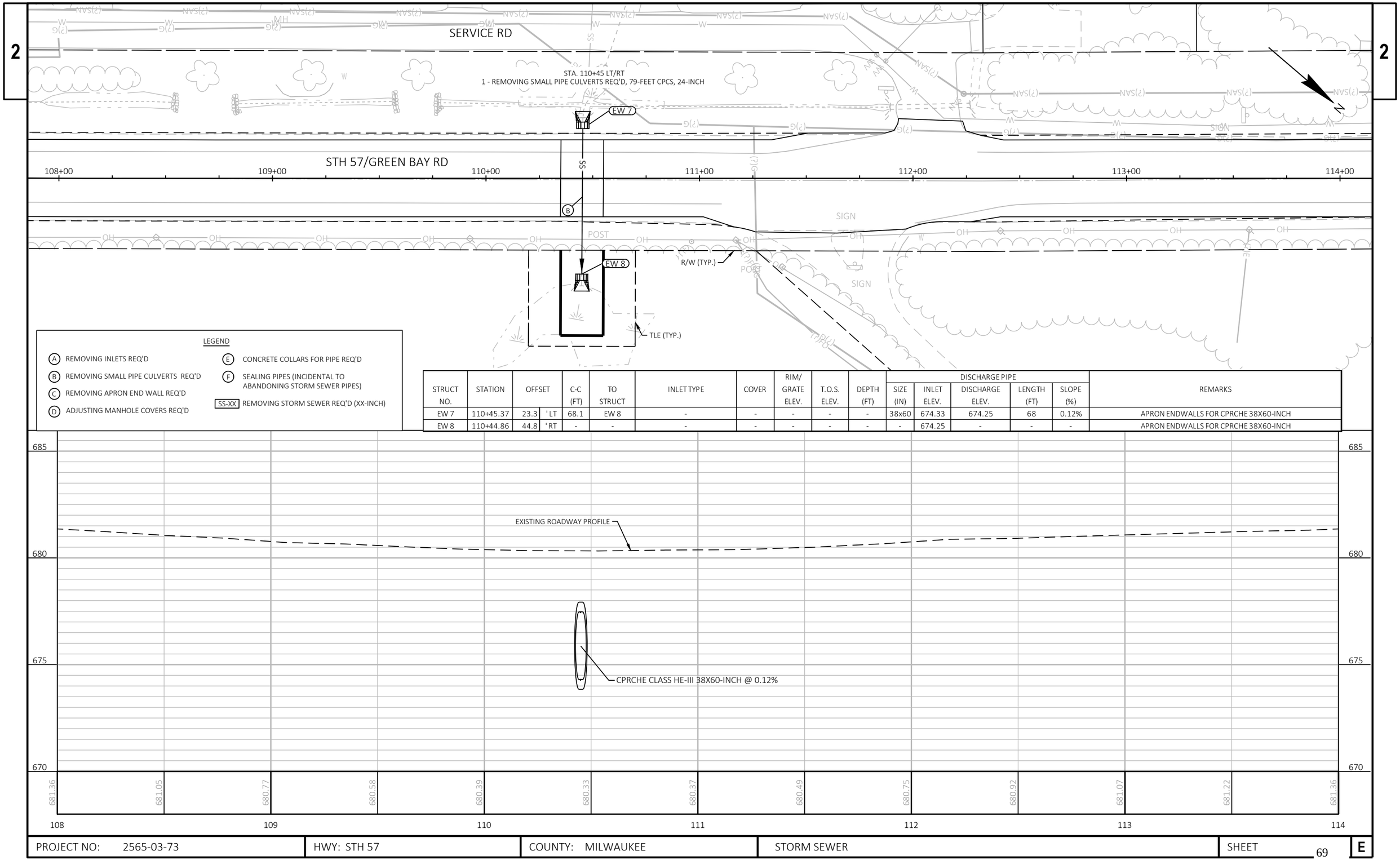
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\022501-SS.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 7/30/2026 10:52 AM
PLOT BY : SADOWSKI, ANNA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 13	72+31.80	39.6	'RT	67.2	EW 6	INLETS MEDIAN 1 GRATE	MS-A	693.68	693.68	2.51	15	691.17	690.83	67	0.50%	NO SLOPE GRATE
EW 6	72+94.81	58.0	'RT	-	-	-	-	-	-	-	-	690.83	-	-	-	APRON ENDWALLS FOR CULVERT PIPE CONCRETE 15-INCH REQ'D.



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 68	E



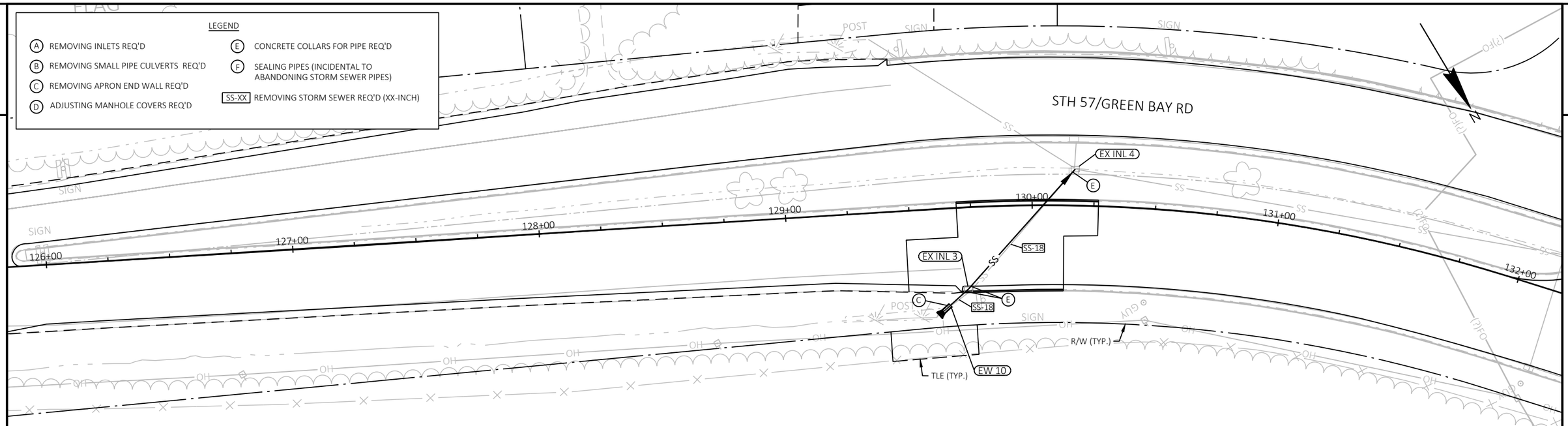
LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)

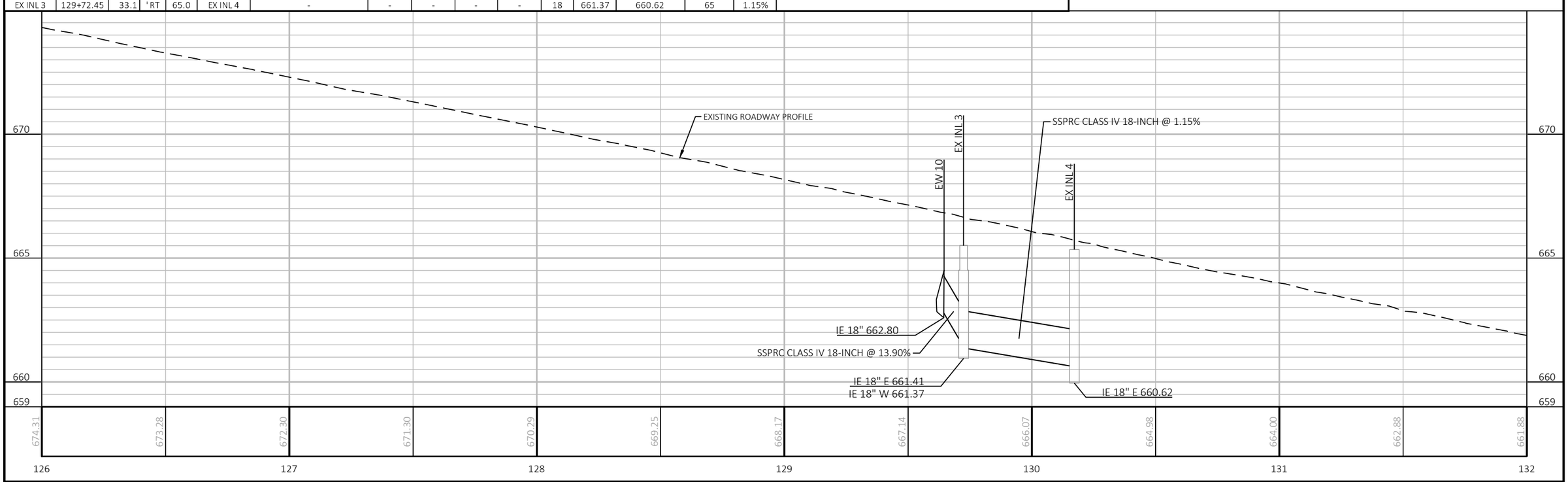
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 7	110+45.37	23.3 ' LT	68.1	EW 8	-	-	-	-	-	38x60	674.33	674.25	68	0.12%	APRON ENDWALLS FOR CPRCHE 38X60-INCH
EW 8	110+44.86	44.8 ' RT	-	-	-	-	-	-	-	-	674.25	-	-	-	APRON ENDWALLS FOR CPRCHE 38X60-INCH

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



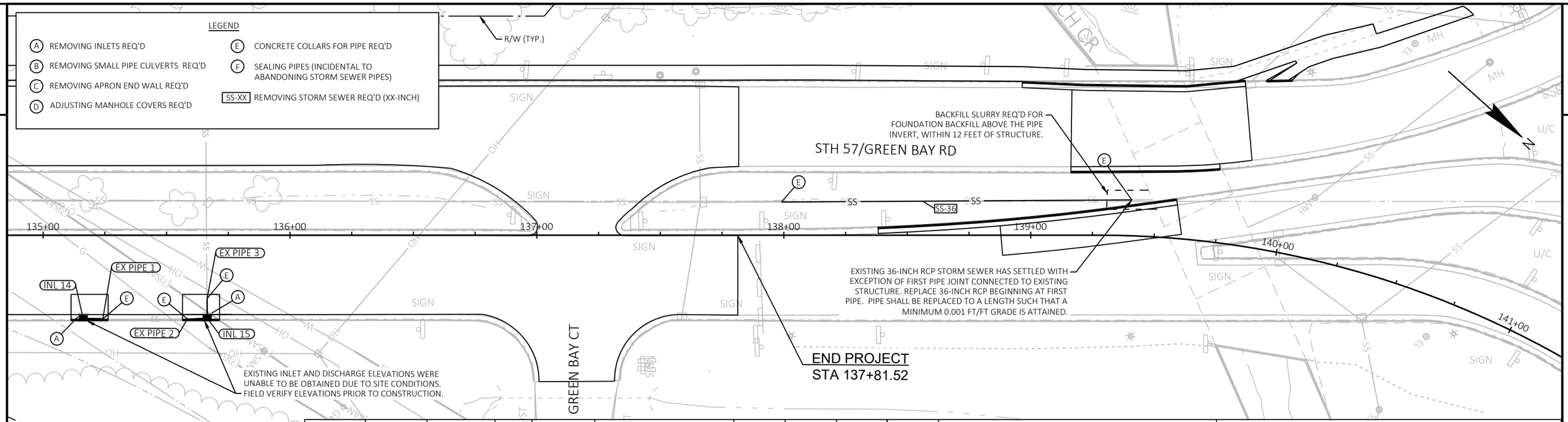
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
EW 10	129+64.44	39.3 'RT	9.8	EX INL 3	-	-	-	-	-	18	662.80	661.41	10	13.90%	APRON ENDWALLS FOR CULVERT PIPE CONCRETE 18-INCH REQ'D.
EX INL 3	129+72.45	33.1 'RT	65.0	EX INL 4	-	-	-	-	-	18	661.37	660.62	65	1.15%	



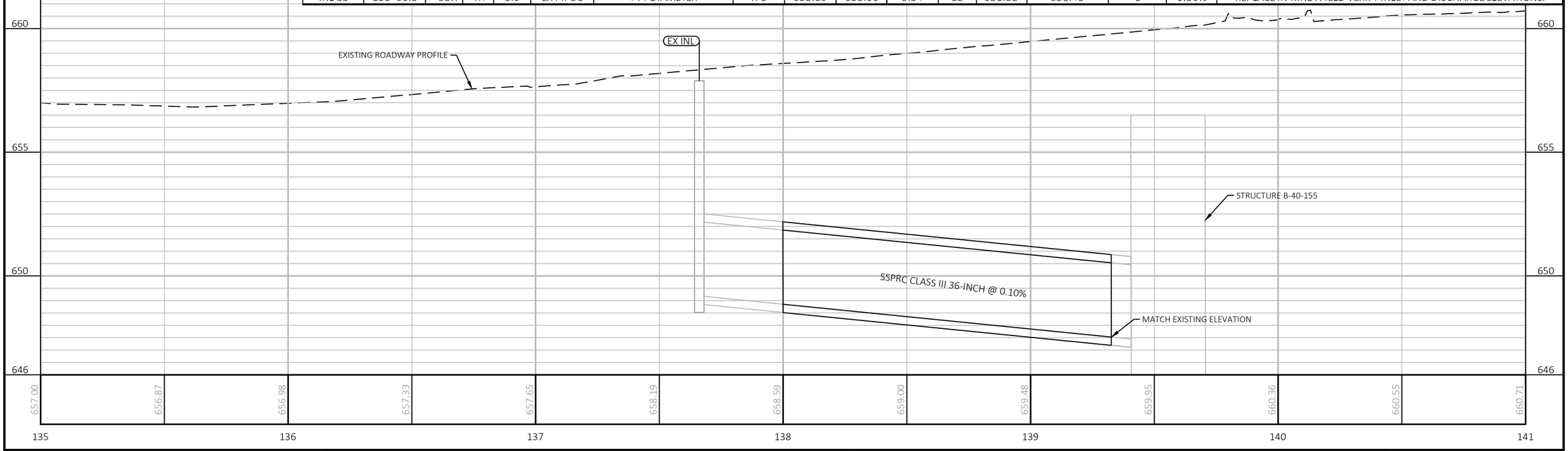
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	STORM SEWER	SHEET 70	E

LEGEND

- (A) REMOVING INLETS REQ'D
- (B) REMOVING SMALL PIPE CULVERTS REQ'D
- (C) REMOVING APRON END WALL REQ'D
- (D) ADJUSTING MANHOLE COVERS REQ'D
- (E) CONCRETE COLLARS FOR PIPE REQ'D
- (F) SEALING PIPES (INCIDENTAL TO ABANDONING STORM SEWER PIPES)
- SS-XX REMOVING STORM SEWER REQ'D (XX-INCH)



STRUCT NO.	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
INL 14	135+16.2	33.7	'RT	8.0	EX PIPE 1	4-FT DIAMETER	H-S	656.14	655.31	3.54	12	651.77	651.73	8	0.50%	REPLACE IN-KIND. FIELD VERIFY INLET AND DISCHARGE ELEVATIONS.
EX PIPE 2	-	-	-	8.0	INL 15	-	-	-	-	-	12	651.56	651.52	8	0.50%	REPLACE IN-KIND. FIELD VERIFY INLET AND DISCHARGE ELEVATIONS.
INL 15	135+66.5	33.7	'RT	8.0	EX PIPE 3	4-FT DIAMETER	H-S	655.89	655.06	3.54	12	651.52	651.48	8	0.50%	REPLACE IN-KIND. FIELD VERIFY INLET AND DISCHARGE ELEVATIONS.



2

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
X-XX	DENOTES SIGN NUMBER
ESTR	EXISTING SIGN TO REMAIN

NOTES

1. TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE APPLICABLE SIGNING COORDINATOR PER PROJECT COUNTY LOCATION.

   1.1. BREE JOHNS-KONKEL; 414-750-2814; MILWAUKEE, RACINE, OZAUKEE, AND WASHINGTON COUNTIES

   1.2. CHUCK SALDIVAR; 414-750-1682; KENOSHA, WALWORTH, AND WAUKESHA COUNTIES

2. SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPECIFICATION 638.3.4). THE REGIONAL SIGN SHOP (GENERAL PHONE # 414-266-1164) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

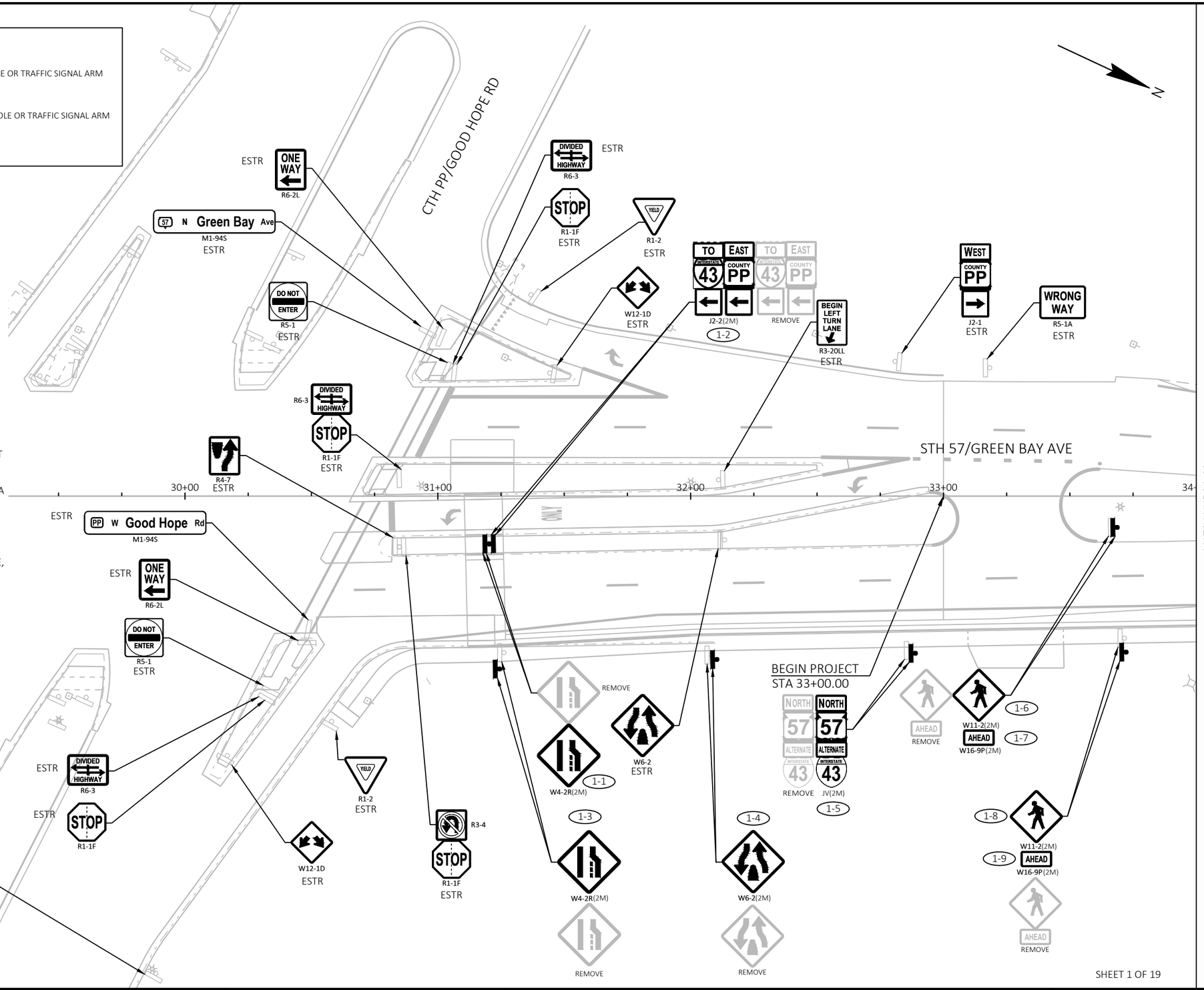
3. WHEN AN EXISTING "STOP" SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT 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.

4. WOOD POST LENGTHS FOR TYPE II SIGNS ARE ESTIMATED AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

5. 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.

6. 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.

7. BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.



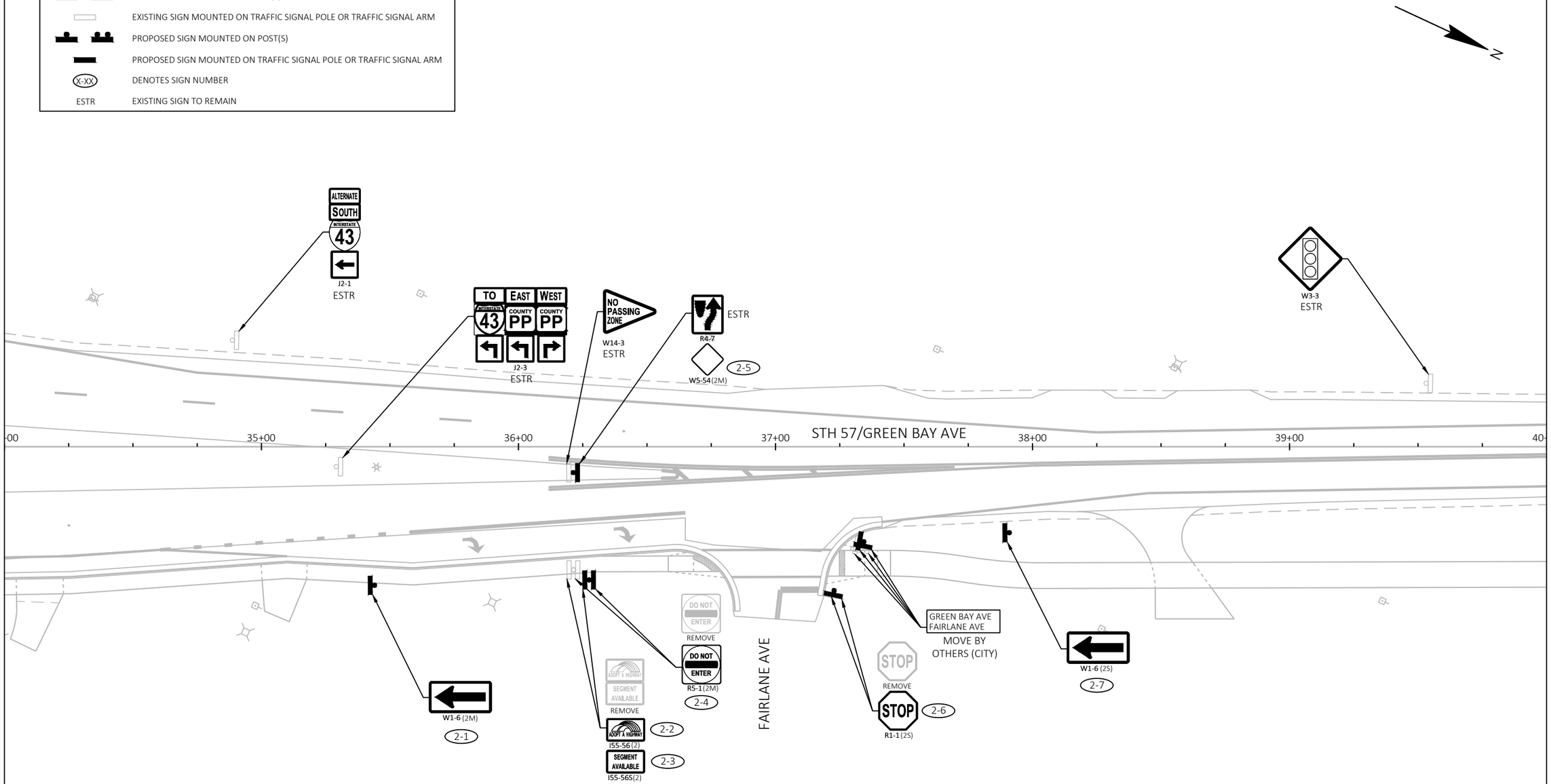
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 72	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023201-ps
PLOT DATE : 7/30/2026 4:20 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN



SHEET 2 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 73	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023202-ps

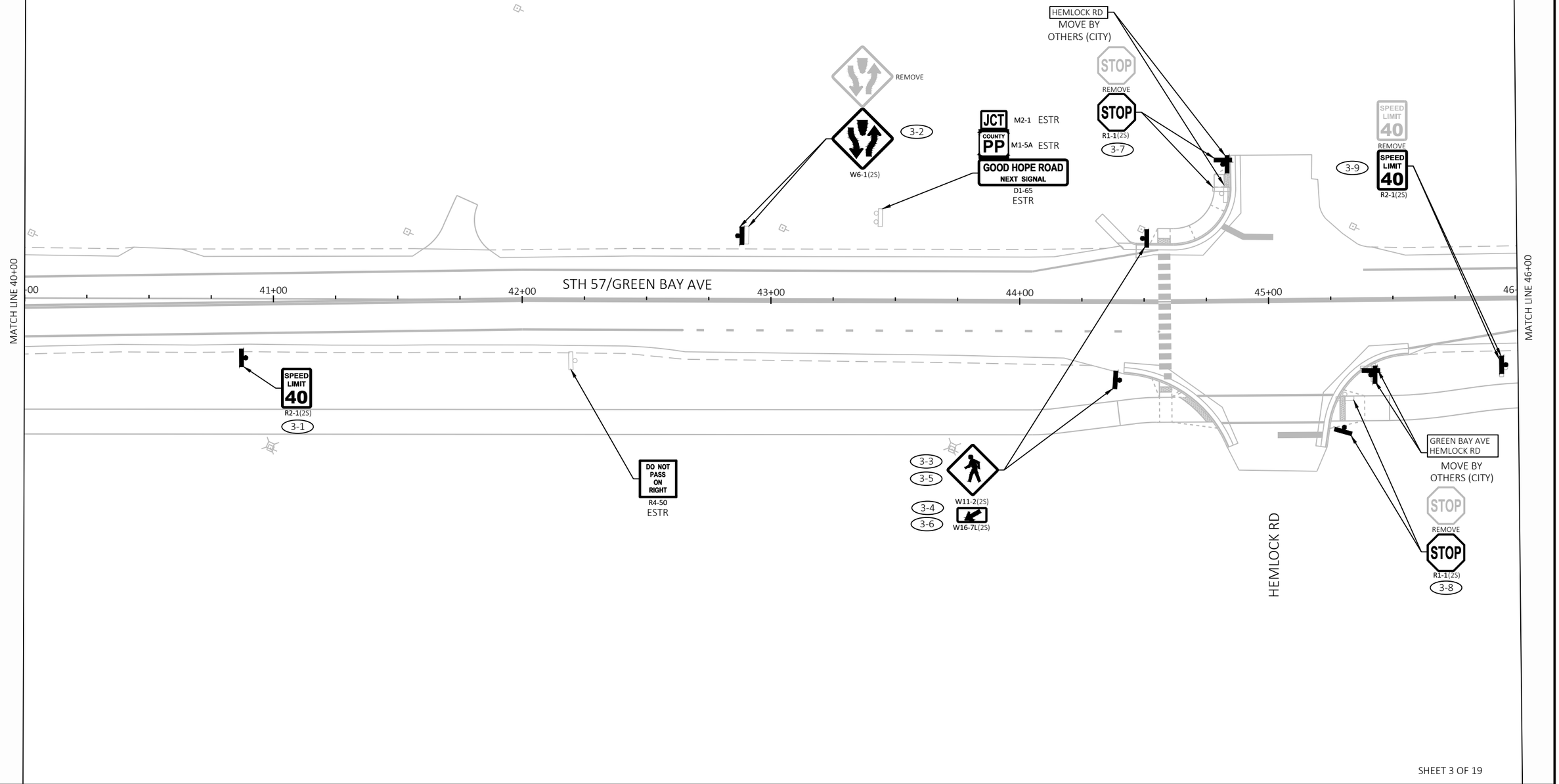
PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN



SHEET 3 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 74	E

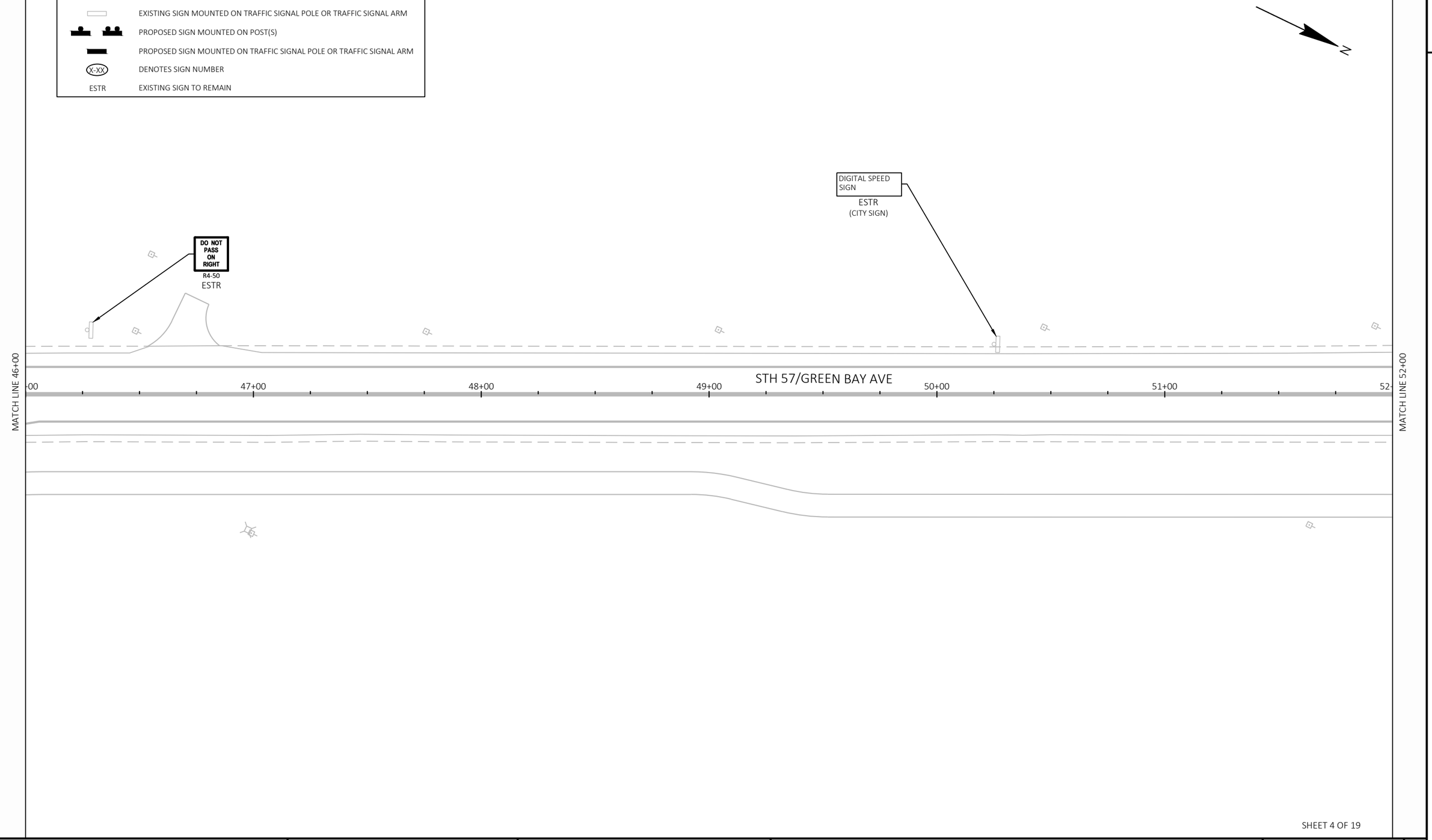
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 7/30/2026 4:20 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
X-XX	DENOTES SIGN NUMBER
ESTR	EXISTING SIGN TO REMAIN



SHEET 4 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 75	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

WENDING DR

STOP
R1-1
ESTR

GREEN BAY AVE
WENDING DR

MOVE BY
OTHERS (CITY)

SPEED LIMIT 40
R2-1
ESTR

STH 57/GREEN BAY AVE

MATCH LINE 52+00

53+00

54+00

55+00

56+00

57+00

58+

MATCH LINE 58+00

5-1
5-3
W11-2(2S)

5-2
5-4
W16-7L(2S)

SPEED LIMIT 40
REMOVE

SPEED LIMIT 40
R2-1(2S)
5-5

SHEET 5 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 76	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023205-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

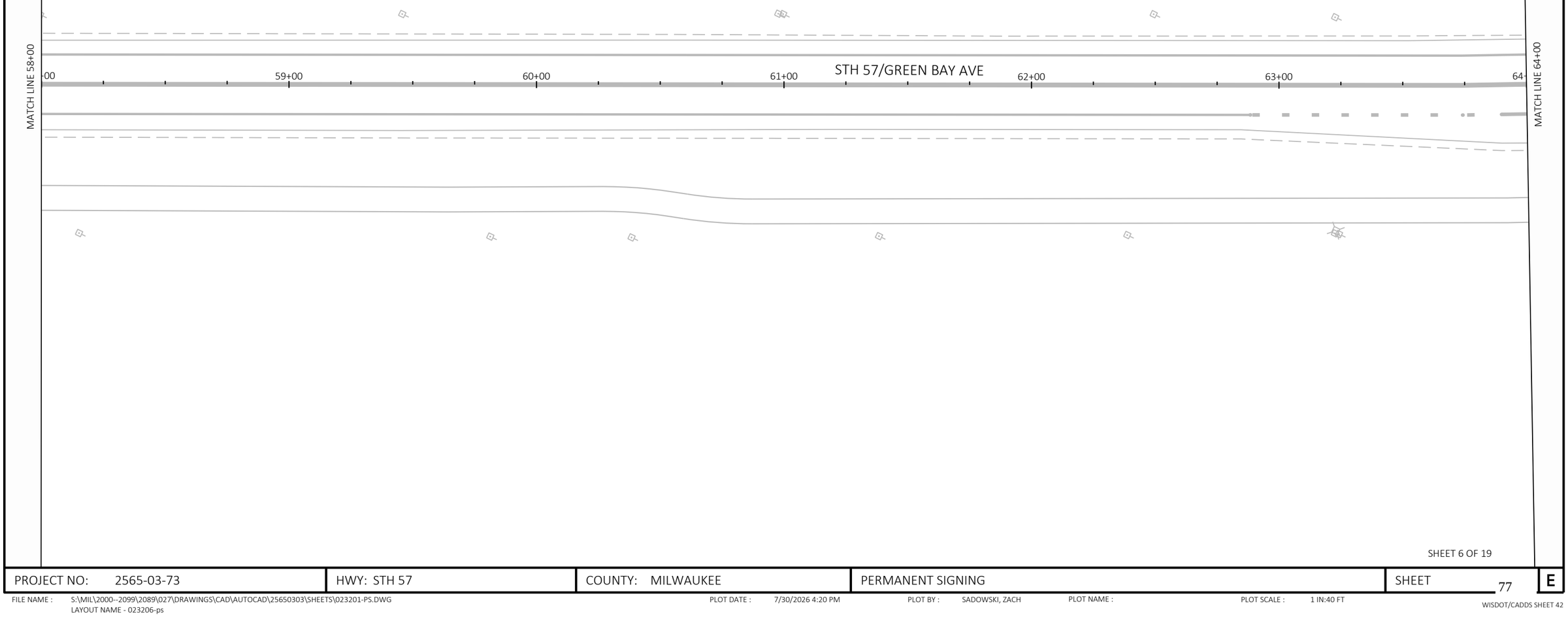
2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N



SHEET 6 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 77	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023206-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

MATCH LINE 64+00

64+00 65+00 66+00 67+00 68+00 69+00 70+00

STH 57/GREEN BAY AVE

MATCH LINE 70+00

WELCOME GLENDALE IS A CRIME WATCH COMMUNITY
ESTR
(CITY SIGN)

SPEED LIMIT 40
R2-1
ESTR

TREE CITY USA
ESTR
(CITY SIGN)

BIRD CITY
ESTR
(CITY SIGN)

NEW TRAFFIC PATTERN AHEAD
REMOVE
7-1

DUNWOOD RD

GREEN BAY AVE
DUNWOOD RD

MOVE BY
OTHERS (CITY)

STOP
REMOVE

STOP
R1-1(2S)
7-2

N Range Line Rd
NEXT SIGNAL
D1-65
ESTR

W3-3
ESTR

SHEET 7 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 78	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023207-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

RANGE LINE RD

MATCH LINE 70+00

71+00

STH 57/GREEN BAY AVE

72+00

73+00

74+00

75+00

MATCH LINE 76+00

8-1

Glendale POPULATION 13,357
REMOVE

Glendale POPULATION 13,357
I2-3 (2S)

NO PARKING ANY TIME
R7-1D
ESTR

STOP
R1-1F
ESTR

57
J12-1
ESTR

SOUTH 57 ALTERNATE 43 INTERSTATE
8-2
JV(2S)

SOUTH 57 ALTERNATE 43 INTERSTATE
REMOVE

N Range Line Rd
M1-94H
ESTR

57 N Green Bay Ave
M1-94S
ESTR

N Range Line Rd MOVE BY OTHERS (VILLAGE)

N Green Bay Rd MOVE BY OTHERS (VILLAGE)

STOP
R1-1F
ESTR

ONLY
REMOVE

ONLY
R3-8ER(2S)
8-4

ONLY
R3-8ER
ESTR

STOP
R1-1F
ESTR

57 N Green Bay Ave
M1-94S
ESTR

N Range Line Rd
M1-94H
ESTR

NO PARKING ANY TIME
R7-1D
ESTR

57
REMOVE

STOP
R1-1F
ESTR

57
J12-1(2S)
8-3

SHEET 8 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 79	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023208-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

W3-3
ESTR

N Range Line Rd
NEXT SIGNAL
D1-65
ESTR

STOP
R1-1
ESTR

9-1
NEW TRAFFIC PATTERN AHEAD
REMOVE

MATCH LINE 76+00

-00 77+00 78+00 79+00 STH 57/GREEN BAY RD 80+00 81+00 82-

MATCH LINE 82+00

SPEED LIMIT 40
R2-1
ESTR

NO PARKING ANY TIME
ESTR

NO PASSING ZONE
W14-3
ESTR

SHEET 9 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 80	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023209-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
X-XX	DENOTES SIGN NUMBER
ESTR	EXISTING SIGN TO REMAIN

N

MATCH LINE 82+00

STH 57/GREEN BAY RD

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

MATCH LINE 88+00

NO PARKING
ESTR

W2-1
ESTR

SHEET 10 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 81	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023210-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

MATCH LINE 88+00

STH 57/GREEN BAY RD

88+00 89+00 90+00 91+00 92+00 93+00 94+00

MATCH LINE 94+00

VILLAGE OF RIVER HILLS
ESTR
(VILLAGE SIGN)

NO PARKING
ESTR

BRADLEY ROAD
D1-61
ESTR

TRUCK ROUTE AHEAD ARROW
ESTR

I2-3 River Hills POPULATION 1602
R5-2
LEFT ARROW
RIGHT ARROW
ESTR

SPEED LIMIT 25
R2-1
ESTR

COMMERCIAL VEHICLES OVER 4 TONS PROHIBITED NO PARKING
ESTR

SHEET 11 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 82	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023211-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

MATCH LINE 94+00

MATCH LINE 100+00

BRADLEY RD

STH 57/GREEN BAY RD

95+00 96+00 97+00 98+00 99+00 100

STOP
R1-1
ESTR

SPEED LIMIT 40
R2-1
ESTR

R5-2
WEIGHT LIMIT 5 TONS
R12-1
MOVE BY OTHERS (VILLAGE)

BROWN DEER
NO OVERNIGHT PARKING
MOVE BY OTHERS (VILLAGE)

TREE CITY USA
WATER STAR
BROWN DEER
COMMUNITY WATCH
MOVE BY OTHERS (VILLAGE)

GREEN BAY RD
BRADLEY RD
MOVE BY OTHERS (VILLAGE)

BRADLEY ROAD
BRADLEY ROAD
12-3
D1-61(2S)
12-4
R5-2(2S)
12-5
M6-4(2S)
RIGHT ARROW
LEFT ARROW
REMOVE

Green Bay Rd MOVE BY OTHERS (VILLAGE)

Bradley Rd MOVE BY OTHERS (VILLAGE)

STOP
REMOVE
STOP
R1-1(2S)
12-1

SPEED LIMIT 40
REMOVE
SPEED LIMIT 40
R2-1(2S)
12-2

SHEET 12 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 83	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023212-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

MATCH LINE 100+00

MATCH LINE 106+00

PELICAN LN

STH 57/GREEN BAY RD

100+00 101+00 102+00 103+00 104+00 105+00 106

W2-1
ESTR

STOP
R1-1
ESTR

GREEN BAY RD
PELICAN LN
ESTR
(VILLAGE SIGN)

SPEED LIMIT 40
R2-1
ESTR

NO PARKING
ESTR

WELCOME BROWN DEER
IS A NEIGHBORHOOD
WATCH COMMUNITY
ESTR

GREEN BAY RD
PELICAN LN
ESTR
(VILLAGE SIGN)

NO PARKING
ESTR

STOP
R1-1
ESTR

SHEET 13 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 84	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023213-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

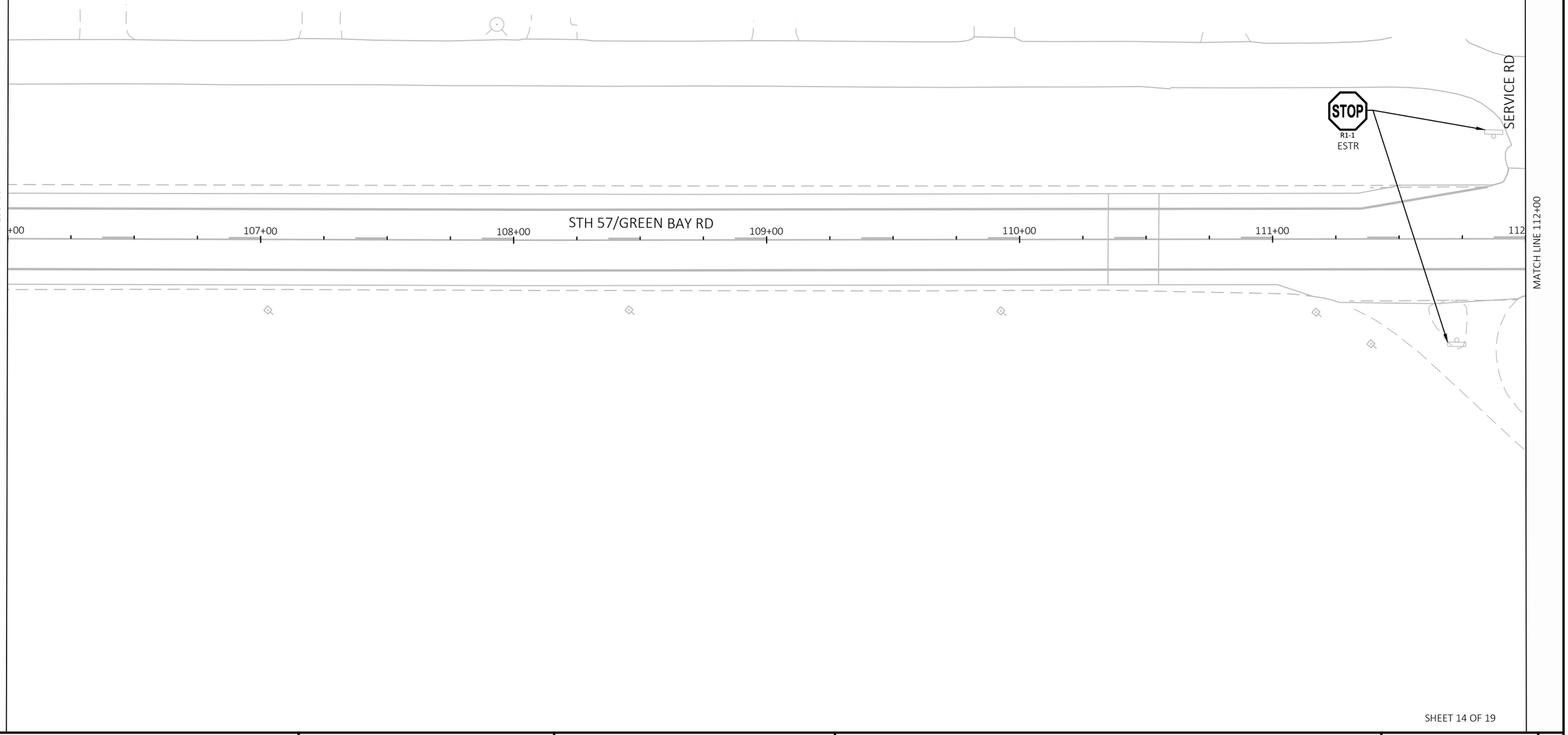
WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN



SHEET 14 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 85	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023214-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
X-XX	DENOTES SIGN NUMBER
ESTR	EXISTING SIGN TO REMAIN

N

SERVICE RD

NO PASSING ZONE
W14-3
ESTR

SPEED LIMIT 40
R2-1
ESTR

STH 57/GREEN BAY RD

MATCH LINE 112+00

+00 113+00 114+00 115+00 116+00 117+00 118

MATCH LINE 118+00

SPEED LIMIT 40
R2-1
ESTR

SHEET 15 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 86	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023215-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

	EXISTING SIGN MOUNTED ON POST(S)
	EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
	PROPOSED SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
X-XX	DENOTES SIGN NUMBER
ESTR	EXISTING SIGN TO REMAIN

N

MATCH LINE 118+00

118+00

119+00

120+00

121+00

122+00

123+00

124

MATCH LINE 124+00

37TH ST

KIRCHHOFF AVE

STH 57/GREEN BAY RD

37 ST
ESTR
(VILLAGE SIGN)

WELCOME BROWN DEER
IS A NEIGHBORHOOD
WATCH COMMUNITY
ESTR

STOP
R1-1
ESTR

GREEN BAY RD
KIRCHHOFF AVE
ESTR
(VILLAGE SIGN)

W6-1
ESTR

SHEET 16 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 87	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023216-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

W6-2
ESTR

DO NOT ENTER
R5-1
ESTR

SPEED LIMIT 40
R2-1(2M)

SPEED LIMIT 40
REMOVE

17-3

STH 57/GREEN BAY RD

MATCH LINE 124+00

125+00

126+00

127+00

128+00

129+00

130

MATCH LINE 130+00

REMOVE

R4-7(2M)

17-1

17-2

W5-54 (2M)

NO PASSING ZONE
W14-3

R3-4
ESTR

SPEED LIMIT 40
REMOVE

SPEED LIMIT 40
R2-1 (2M)

17-4

SHEET 17 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 88	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023217-ps

PLOT DATE : 7/30/2026 4:20 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

CEDARBURG RD

ESTR STOP R1-1

ESTR DIVIDED HIGHWAY R6-3A

WRONG WAY R5-1A ESTR

DO NOT ENTER REMOVE

DO NOT ENTER R5-1(2M) 18-1

NO PARKING ANY TIME REMOVE

NO PARKING ANY TIME R7-1R(2M) 18-2

REMOVE

W4-2R(2M) 18-3

GREEN BAY RD
CEDARBURG RD
ESTR
(VILLAGE SIGN)

STH 57/GREEN BAY RD

MATCH LINE 130+00

131+00

132+00

133+00

134+00

135+00

136

MATCH LINE 136+00

R4-7 ESTR

ONE WAY R6-2L ESTR

W2-6

15 MPH W13-1 ESTR

COUNTY D NORTH 57 J2-2 ESTR

SHEET 18 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 89	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023218-ps

PLOT DATE : 7/30/2026 4:21 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON TRAFFIC SIGNAL POLE OR TRAFFIC SIGNAL ARM
- X-XX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

MATCH LINE 136+00

STH 57/GREEN BAY RD

CTH D/TEUTONIA AVE

STH 57/GREEN BAY RD

GREEN BAY CT

137+00

138+00

139+00

140+00

141+00

142+00

END PROJECT
STA 137+81.52

ONE WAY
REMOVE

RIGHT LANE ENDS
REMOVE

ONE WAY
R6-2L(2M)
19-2

RIGHT LANE ENDS
W9-1R(2M)
19-1

R4-7
ESTR

COUNTY D
NORTH 57
J2-2
ESTR

SPEED LIMIT 40
R2-1
ESTR

SPEED LIMIT 40
REMOVE
SPEED LIMIT 40
R2-1(2M)
19-5

ADOPT A HIGHWAY
PVE CORP
PVE SPORTS
REMOVE
19-8
I55-56(2)

ADOPT A HIGHWAY
PVE CORP
PVE SPORTS
I55-56P(2)
19-9

NORTH 57
REMOVE
NORTH 57
J4-1(2M)
19-10

W5-52R(2S)
19-11
4' MOUNTING HEIGHT
REMOVE

NO PARKING ANY TIME
R7-1L (2M)
19-12
NO PARKING ANY TIME
REMOVE

W11-15
W16-7L
ESTR

S7 SOUTH/GREEN BAY RD EXIT
ESTR

R1-6
ESTR

YIELD
R1-2

ONE WAY
R6-2R
ESTR

W11-15(2M)
AHEAD
W16-9P(2M)
19-6
19-7
AHEAD
REMOVE

W12-1D
ESTR

W11-15
AHEAD
W16-9P
ESTR

W5-52R
ESTR

W11-15
W16-7L
ESTR

DO NOT ENTER
R5-1
ESTR

GREEN BAY RD
CEDARBURG RD
ESTR
(VILLAGE SIGN)

ALTERNATE NORTH INTERSTATE 43
JV(2M)
REMOVE
19-3

REMOVE
R3-6U (2M)
19-4

ONLY
R3-5R
ESTR

N Teutonia Ave
M1-94H
ESTR

STOP
R1-1
ESTR

DIVIDED HIGHWAY
R6-3A
ESTR

SHEET 19 OF 19

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET 90	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\023201-PS.DWG
LAYOUT NAME - 023219-ps

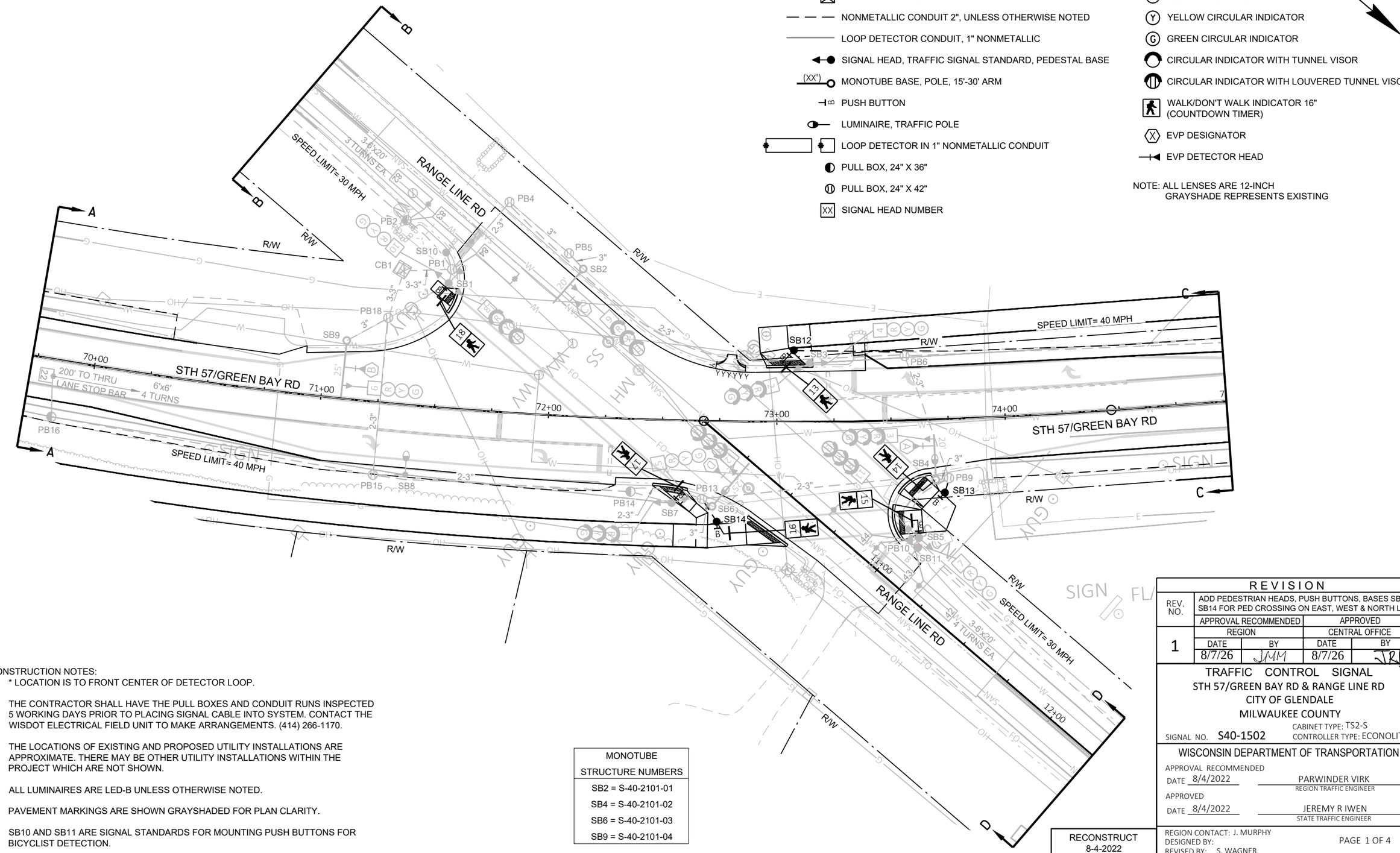
PLOT DATE : 7/30/2026 4:21 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE
- 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
- CIRCULAR INDICATOR WITH TUNNEL VISOR
- CIRCULAR INDICATOR WITH LOUVERED TUNNEL VISOR
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



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-B UNLESS OTHERWISE NOTED.
5. PAVEMENT MARKINGS ARE SHOWN GRAYSHADED FOR PLAN CLARITY.
6. SB10 AND SB11 ARE SIGNAL STANDARDS FOR MOUNTING PUSH BUTTONS FOR BICYCLIST DETECTION.

MONOTUBE STRUCTURE NUMBERS
SB2 = S-40-2101-01
SB4 = S-40-2101-02
SB6 = S-40-2101-03
SB9 = S-40-2101-04

RECONSTRUCT
8-4-2022

REVISION

REV. NO.				
	ADD PEDESTRIAN HEADS, PUSH BUTTONS, BASES SB13 & SB14 FOR PED CROSSING ON EAST, WEST & NORTH LEGS			
	APPROVAL RECOMMENDED		APPROVED	
1	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	8/7/26	JMM	8/7/26	JR

TRAFFIC CONTROL SIGNAL
STH 57/GREEN BAY RD & RANGE LINE RD
CITY OF GLENDALE
MILWAUKEE COUNTY

SIGNAL NO. S40-1502
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 8/4/2022 PARWINDER VIRK
REGION TRAFFIC ENGINEER

APPROVED
DATE 8/4/2022 JEREMY R IWEN
STATE TRAFFIC ENGINEER

REGION CONTACT: J. MURPHY
DESIGNED BY:
REVISED BY: S. WAGNER

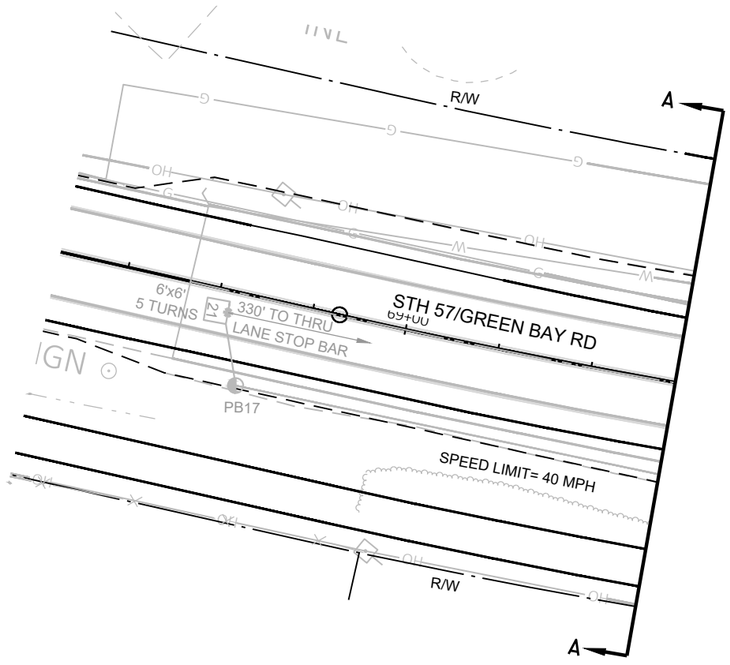
PAGE 1 OF 4

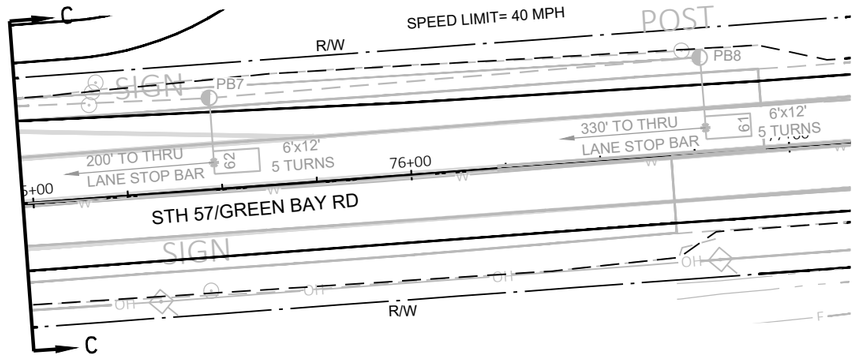
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 91 E

FILE NAME : N:\PDS\C3D\CAD\25650303\SIG\S40-1502\S40-1502_R1_2565-03-73.DWG
LAYOUT NAME - S45-XXXX-1

PLOT DATE : 1/13/2026 4:42 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





TRAFFIC CONTROL SIGNAL
STH 57/GREEN BAY RD & RANGE LINE RD
CITY OF GLENDALE
MILWAUKEE COUNTY

SIGNAL NO. S40-1502

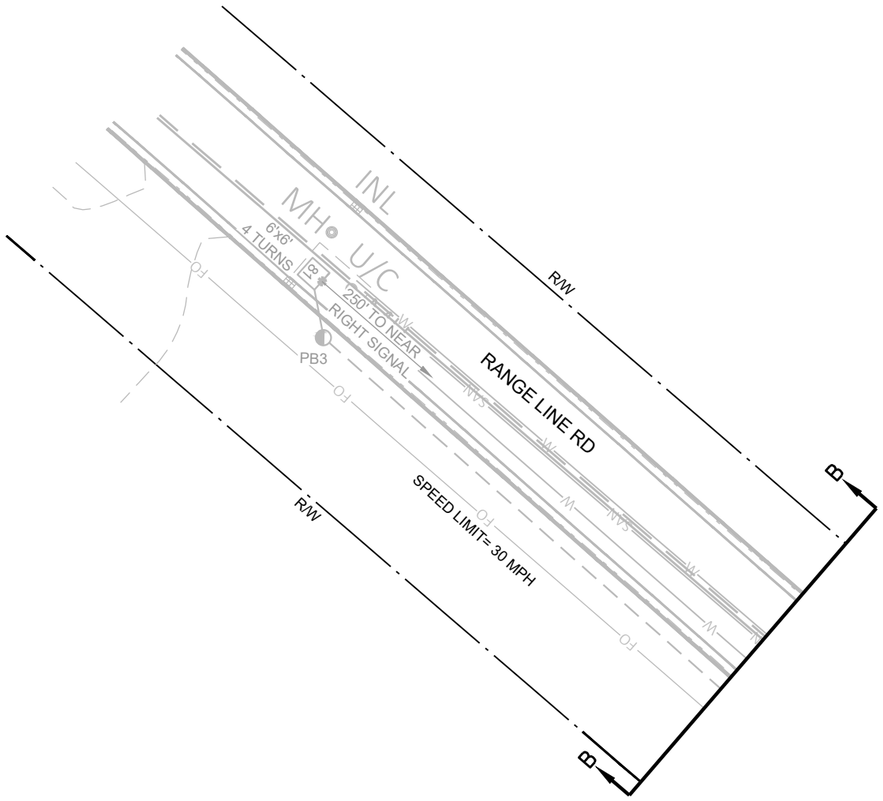
REGION CONTACT: J. MURPHY
DESIGNED BY:
REVISED BY: S. WAGNER

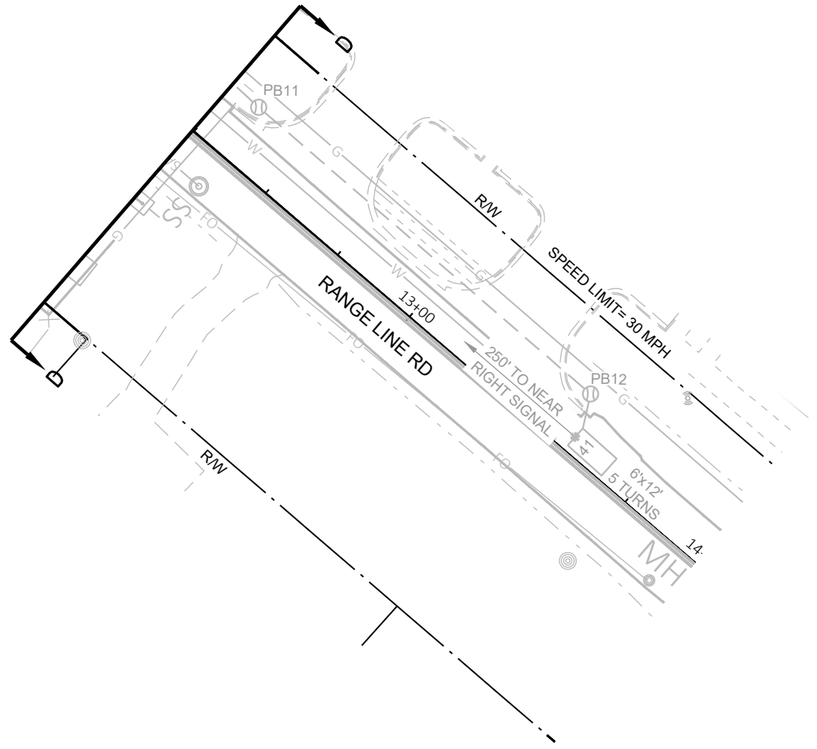
PAGE 2 OF 4

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 92 E

FILE NAME : N:\PDS\C3D\CAD\25650303\SIG\S40-1502\S40-1502_R1_2565-03-73.DWG
LAYOUT NAME - S45-XXXX-2

PLOT DATE : 1/13/2026 4:42 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT





N

TRAFFIC CONTROL SIGNAL
STH 57/GREEN BAY RD & RANGE LINE RD
CITY OF GLENDALE
MILWAUKEE COUNTY

SIGNAL NO. S40-1502

REGION CONTACT: J. MURPHY
DESIGNED BY:
REVISED BY: S. WAGNER

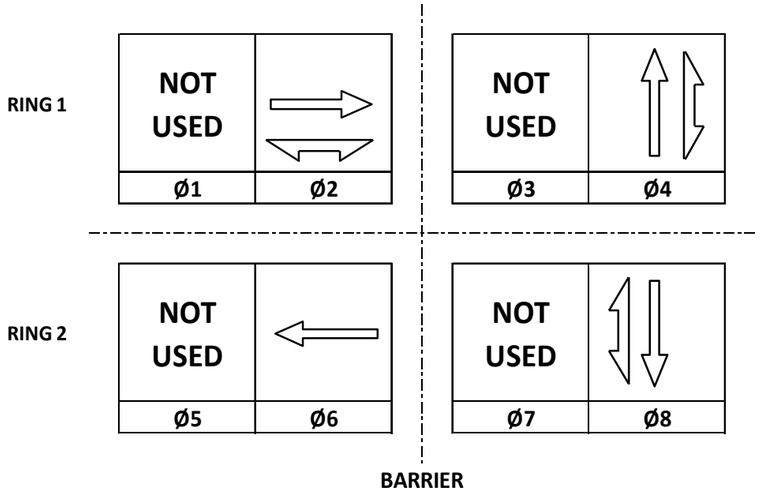
PAGE 3 OF 4

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 93	E

FILE NAME : N:\PDS\C3D\CAD\25650303\SIG\S40-1502\S40-1502_R1_2565-03-73.DWG
LAYOUT NAME - S45-XXXX-3

PLOT DATE : 1/13/2026 4:43 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3		
Ø4	7,8,9	R
Ø5		
Ø6	4,5,6	R
Ø7		
Ø8	10,11,12	R
Ø2P	15,16	
Ø4P	13,14	
Ø6P		
Ø8P	17,18	



GENERAL NOTES:

1.

2

CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	← →	← →	↓ ↑	↓ ↑
PHASE	2+6	6+2	4+8	8+4

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

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

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

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

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

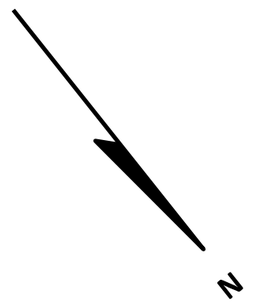
DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21	41	43	61	81	83		
CALLED PHASE	2	4	4	6	8	8		
CALL OPTION	X		X	X		X		
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME		X			X			
USE ADDED INITIAL	X			X				
CROSS SWITCH PHASE								

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

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	22	42	44	62	82	84		
CALLED PHASE	2	4	4	6	8	8		
CALL OPTION	X	X	X	X	X	X		
DELAY TIME			X			X		
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME								
USE ADDED INITIAL	X			X				
CROSS SWITCH PHASE								

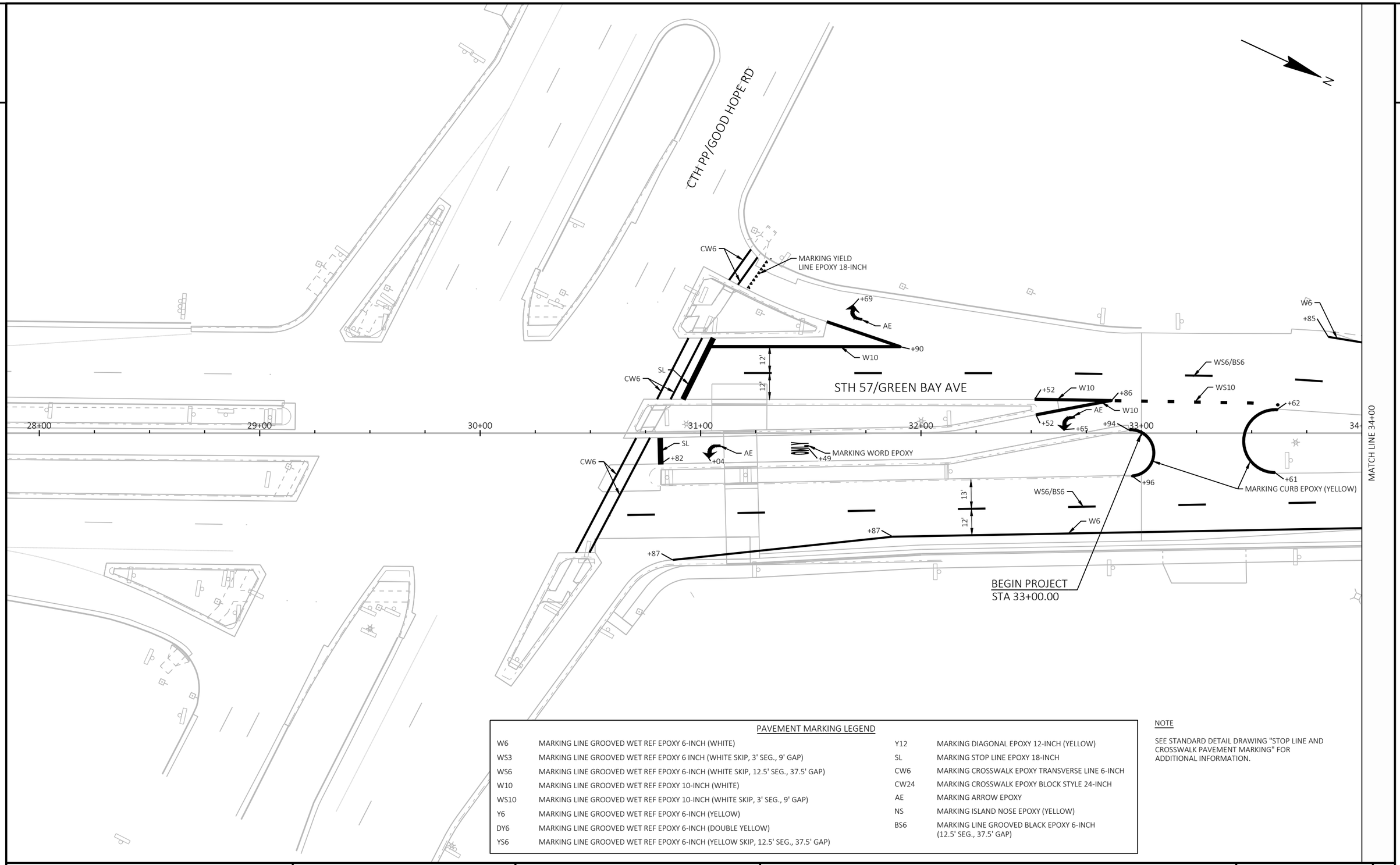
20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE



STH 57/GREEN BAY RD & RANGE LINE RD
CITY OF GLENDALE
MILWAUKEE COUNTY

SIGNAL NO: S40-1502 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 07/26 PAGE NUMBER: 4 OF 4

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

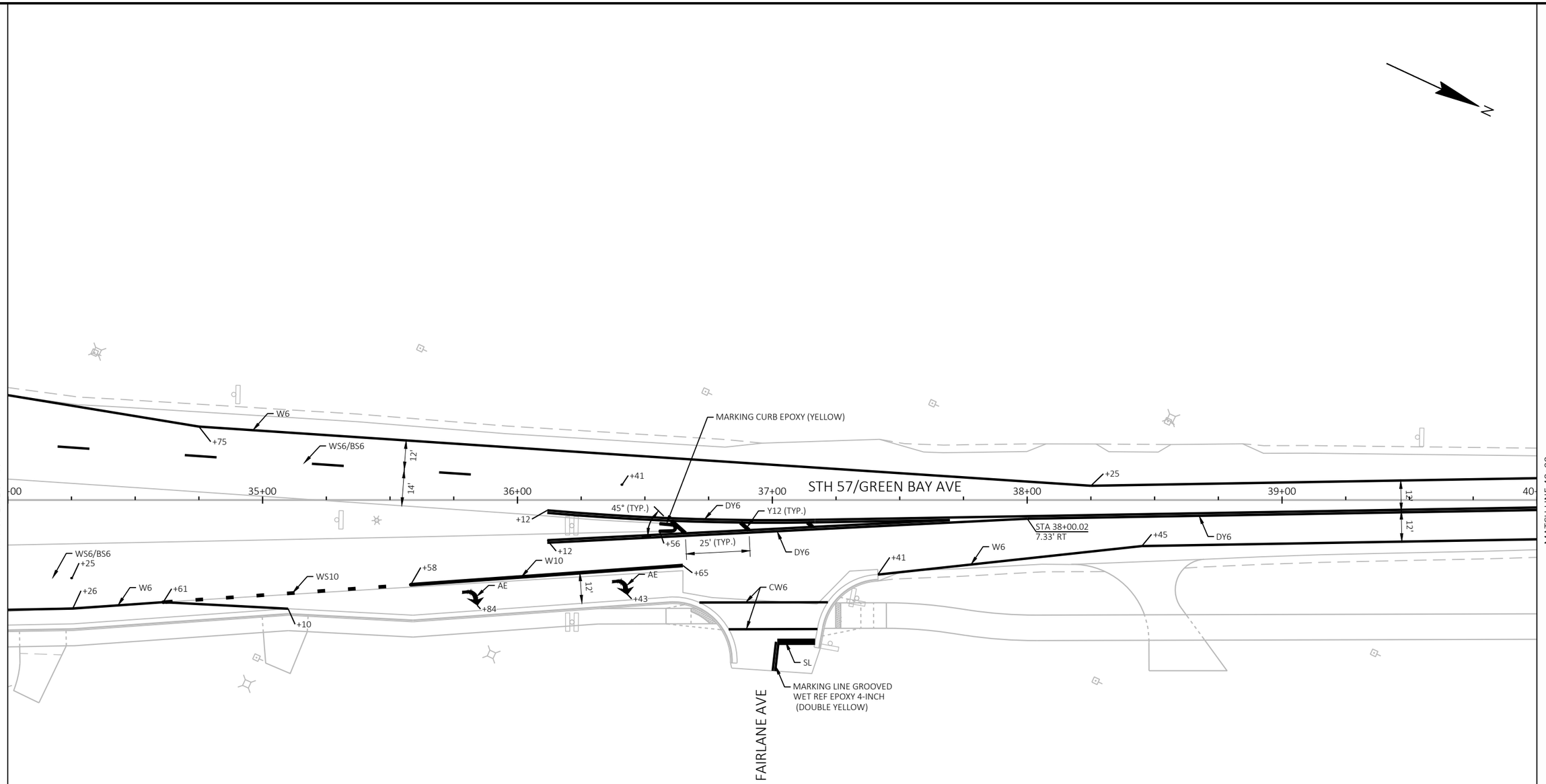
SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 95	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024501-pm
PLOT DATE : 7/30/2026 4:23 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

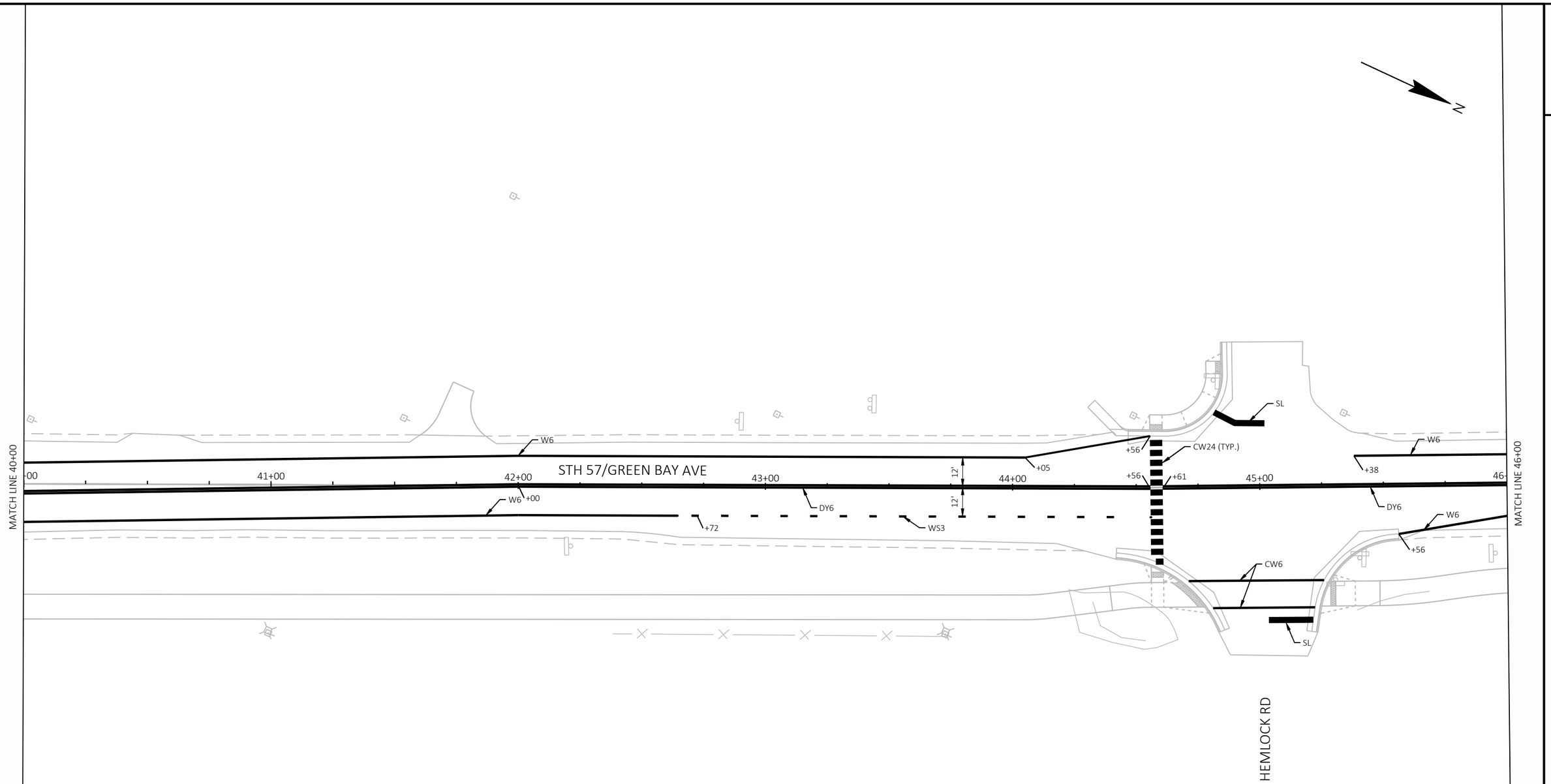
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 96	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024502-pm

PLOT DATE : 7/30/2026 4:23 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND			
W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

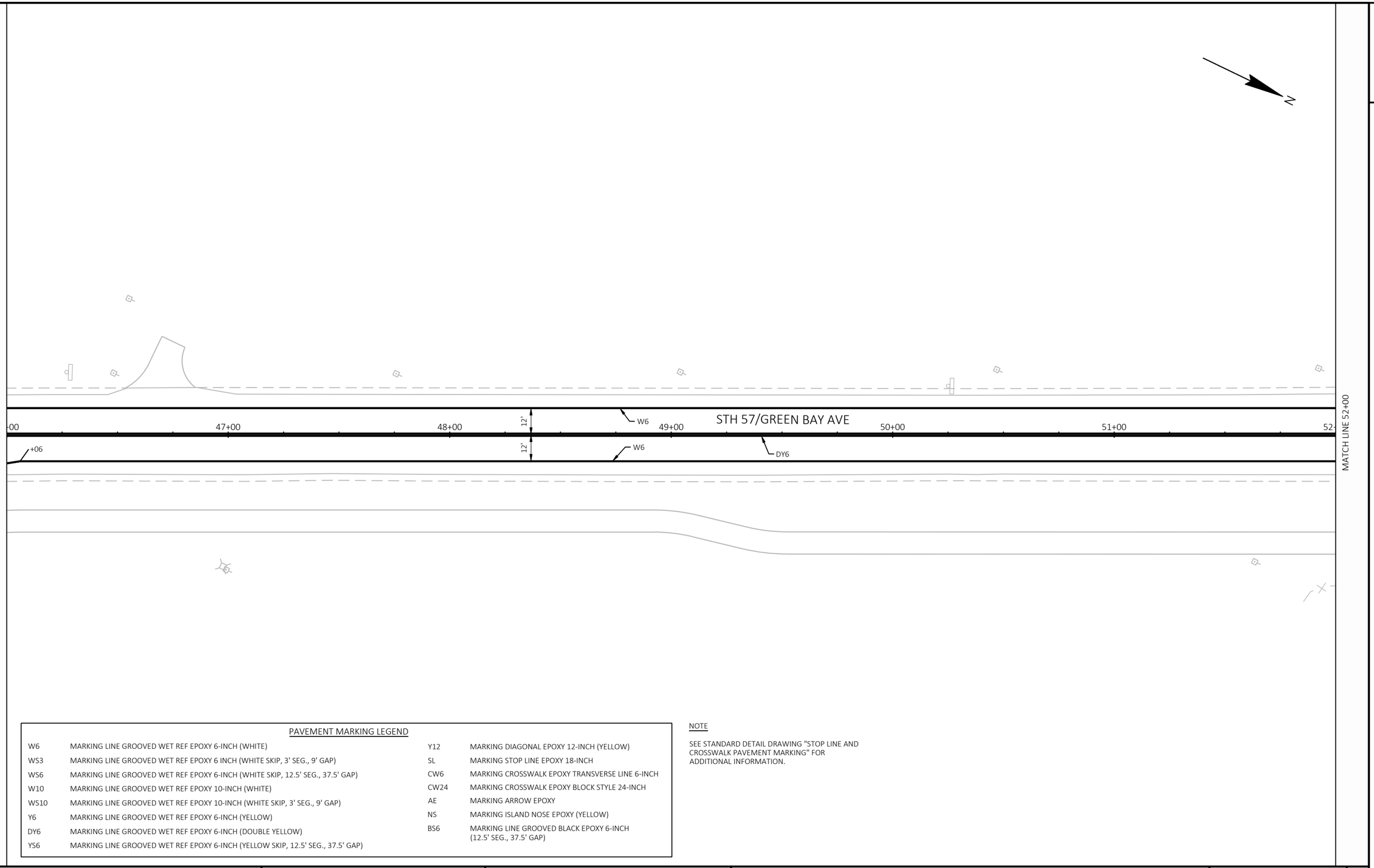
NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 97	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024503-pm
PLOT DATE : 7/30/2026 4:23 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

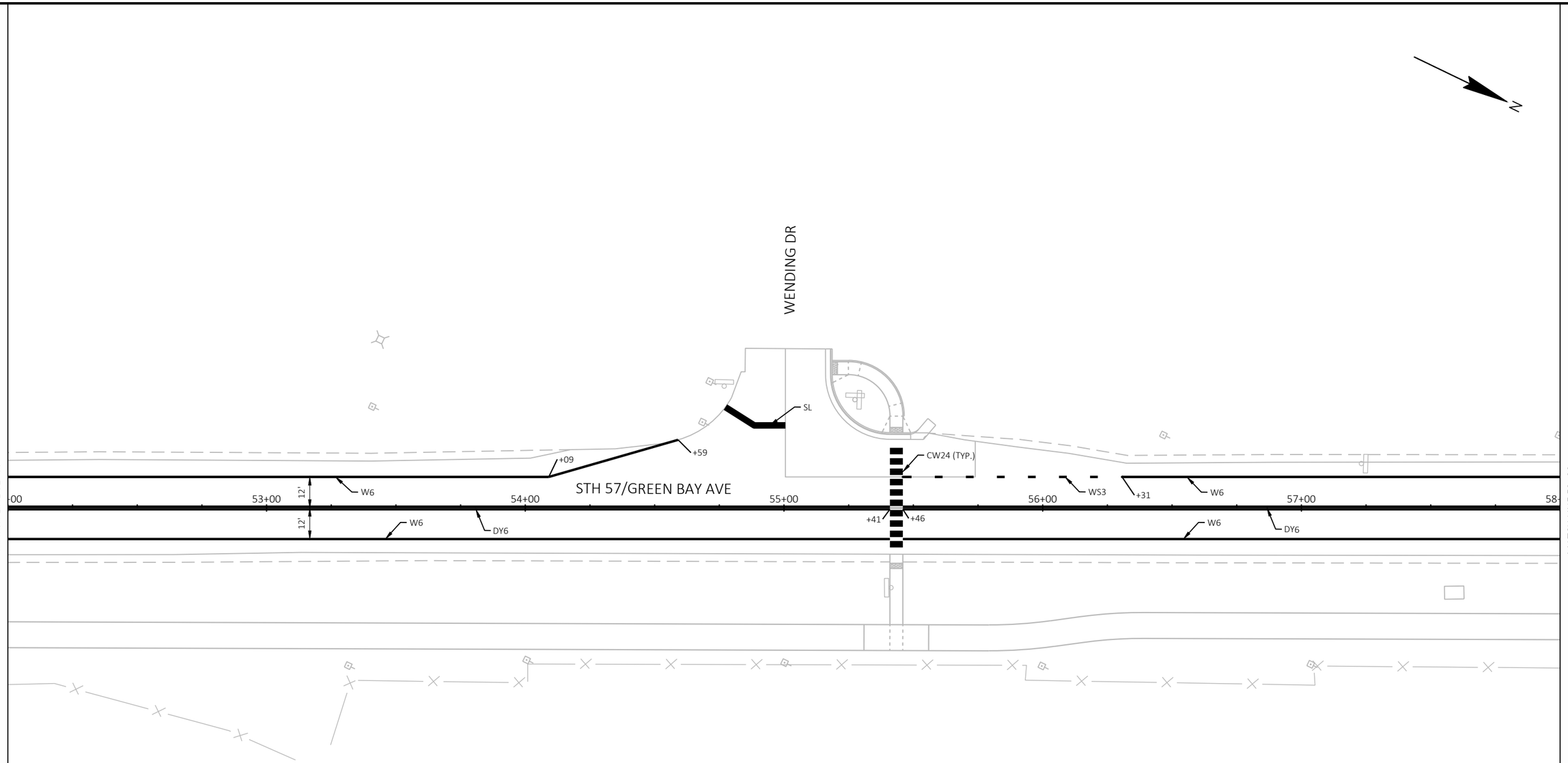
W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 98	E

2



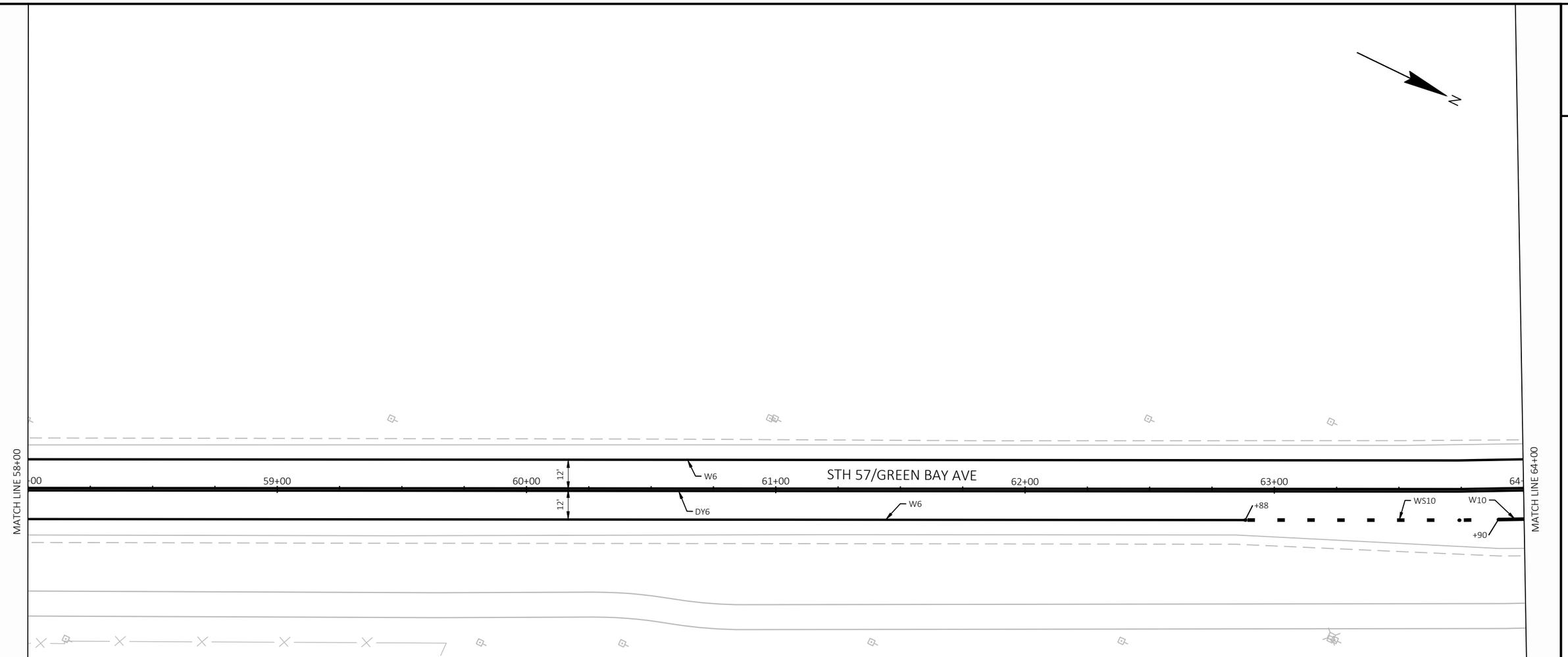
PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

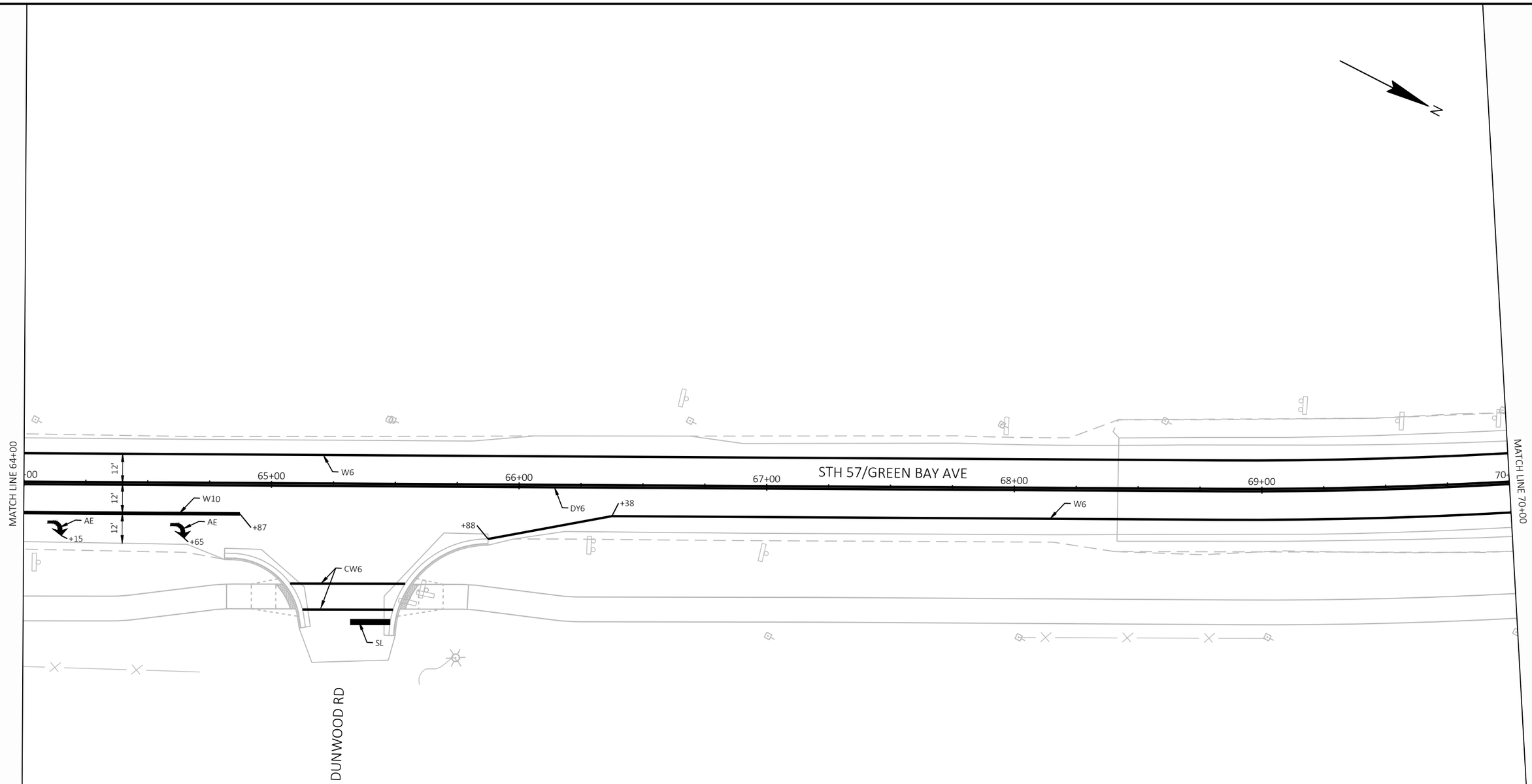
NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 100	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024506-pm
PLOT DATE : 7/30/2026 4:24 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

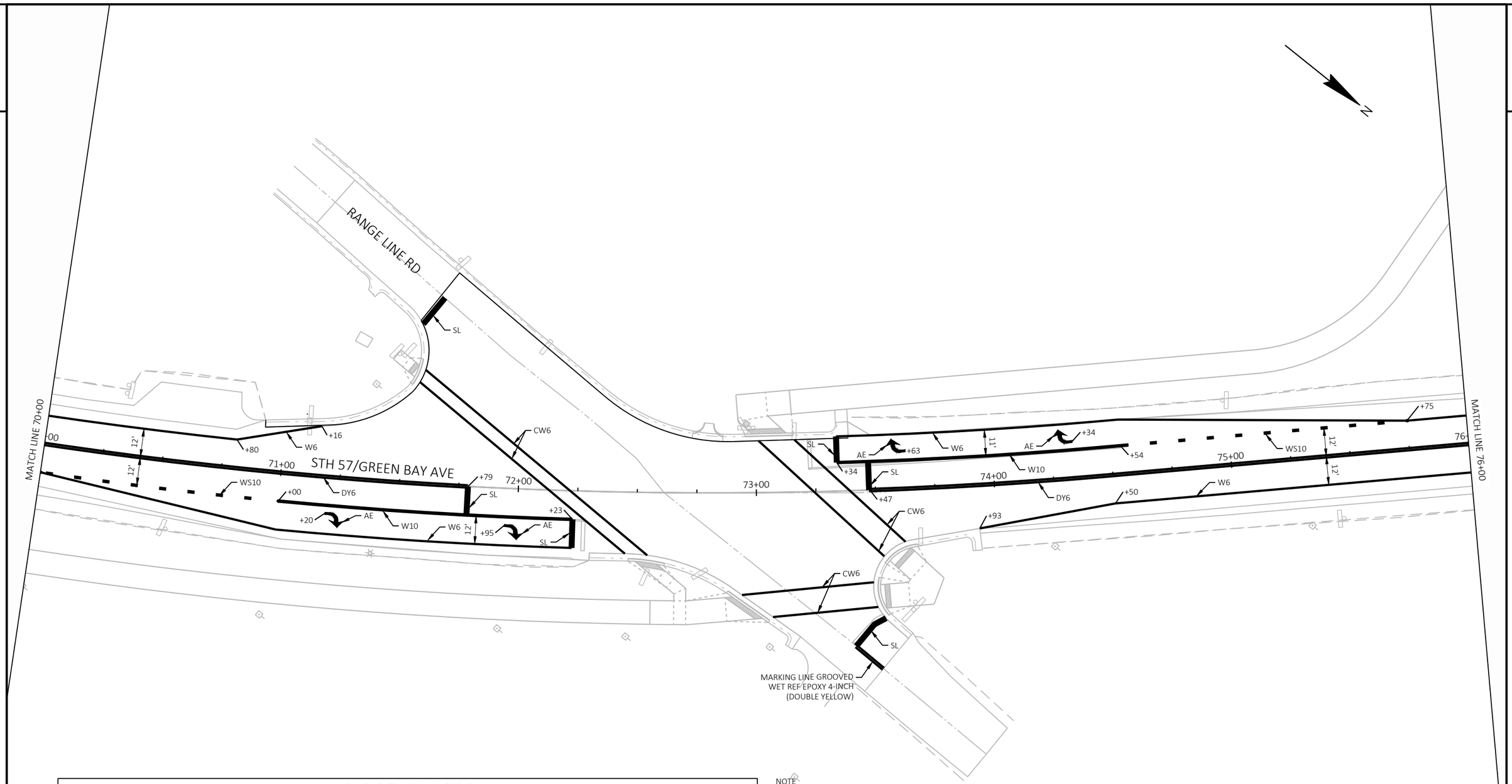
NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 101	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024507-pm
PLOT DATE : 7/30/2026 4:24 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

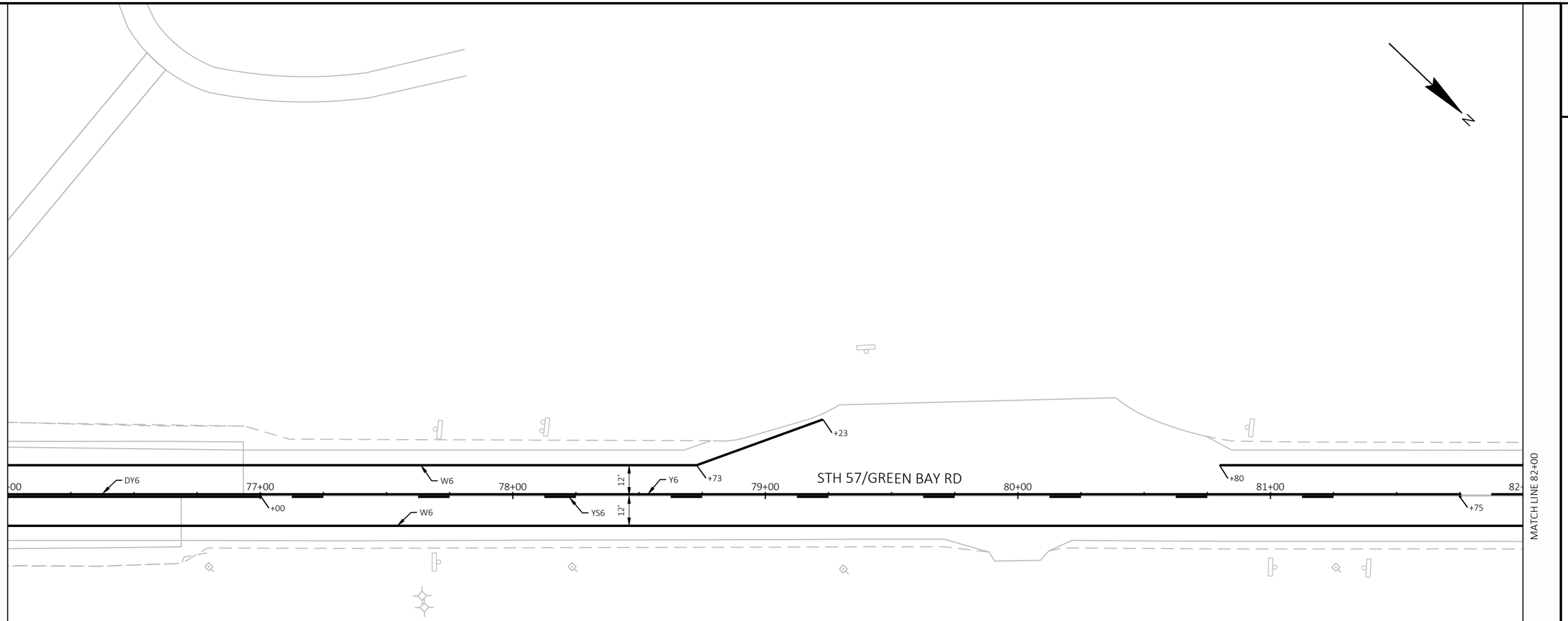
NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 102	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024508-pm
PLOT DATE : 7/30/2026 4:24 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



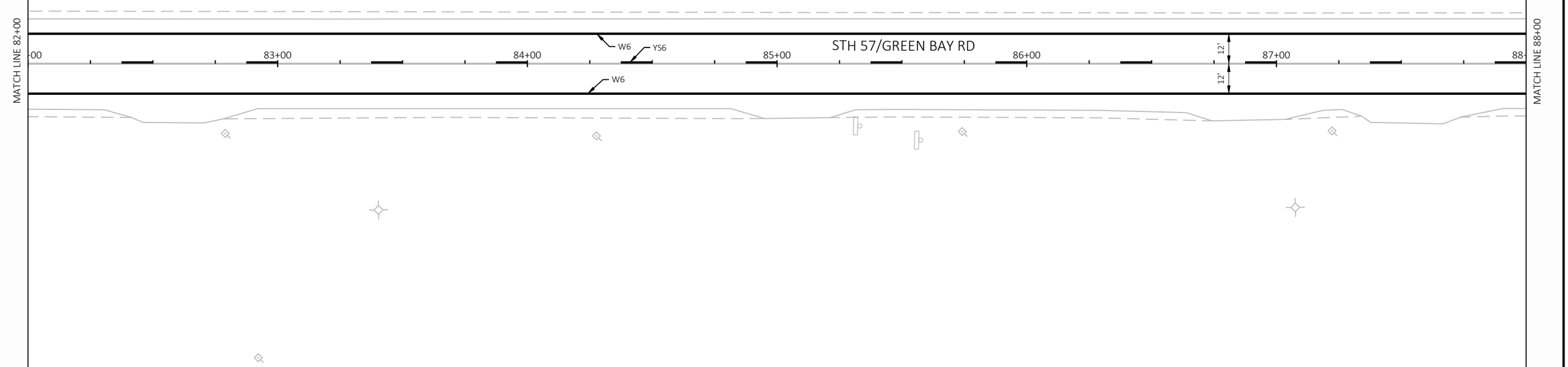
PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

2

2

N

MATCH LINE 88+00

MATCH LINE 94+00

STH 57/GREEN BAY RD

89+00 90+00 91+00 92+00 93+00

12' 12'

W6 YS6 W6 +59 WS3 +96 +93

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 105	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024511-pm

PLOT DATE : 7/30/2026 4:24 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

BRADLEY RD

MARKING LINE GROOVED
WET REF EPOXY 4-INCH
(DOUBLE YELLOW)

SL

+46

W6

+50

WS3

+33

W6

STH 57/GREEN BAY RD

YS6

12'

12'

MATCH LINE 94+00

95+00

96+00

97+00

98+00

99+00

100

MATCH LINE 100+00

+30

W6

+80

SL

MARKING LINE GROOVED
WET REF EPOXY 4-INCH
(DOUBLE YELLOW)

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

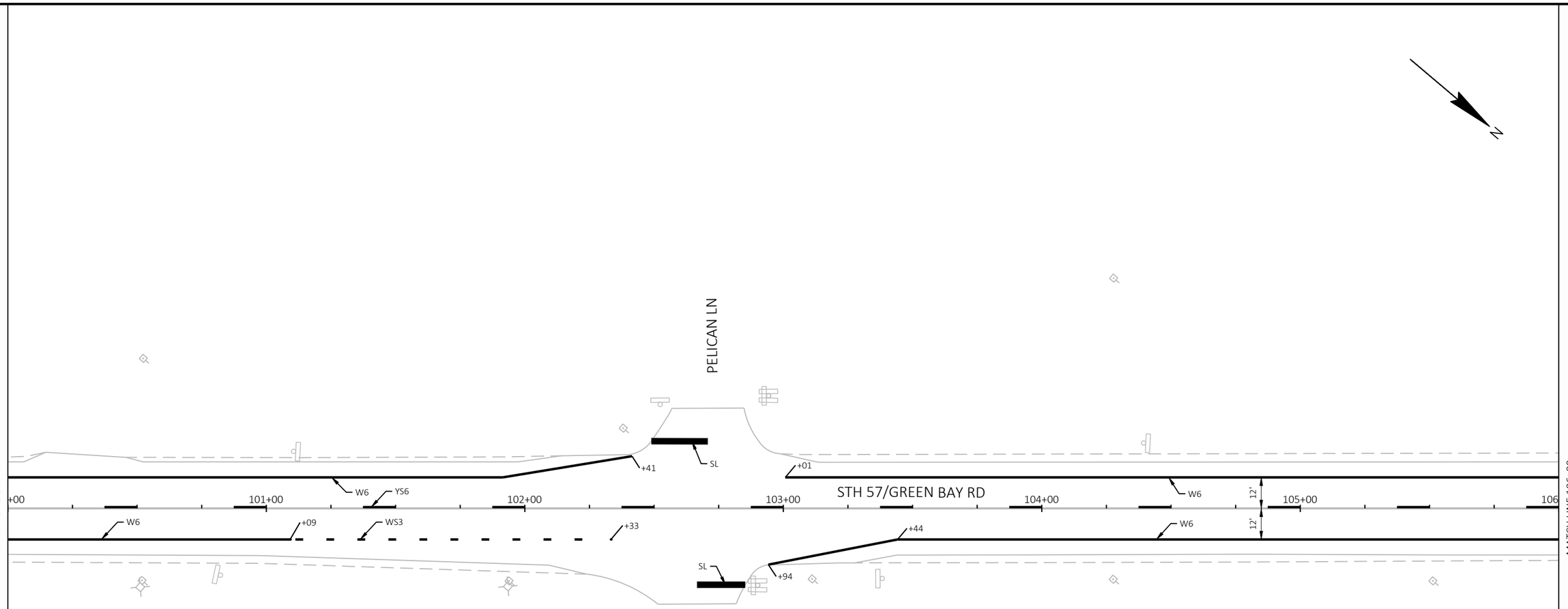
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 106	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024512-pm

PLOT DATE : 7/30/2026 4:24 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



2

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

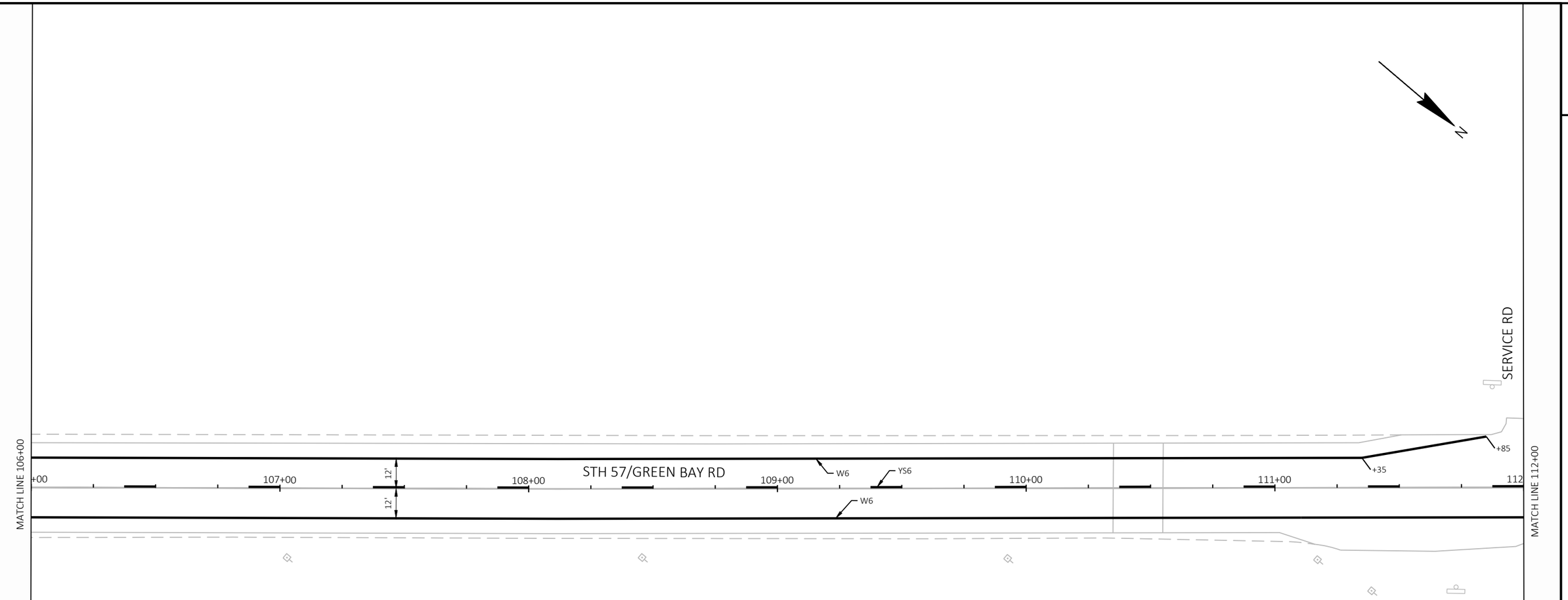
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 107	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024513-pm

PLOT DATE : 7/30/2026 4:24 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 108	E

2

2

N

SERVICE RD

MATCH LINE 112+00

MATCH LINE 118+00

+00

+30

+50

113+00

114+00

115+00

116+00

117+00

118

W6

YS6

W6

Y6

12'

12'

STH 57/GREEN BAY RD

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

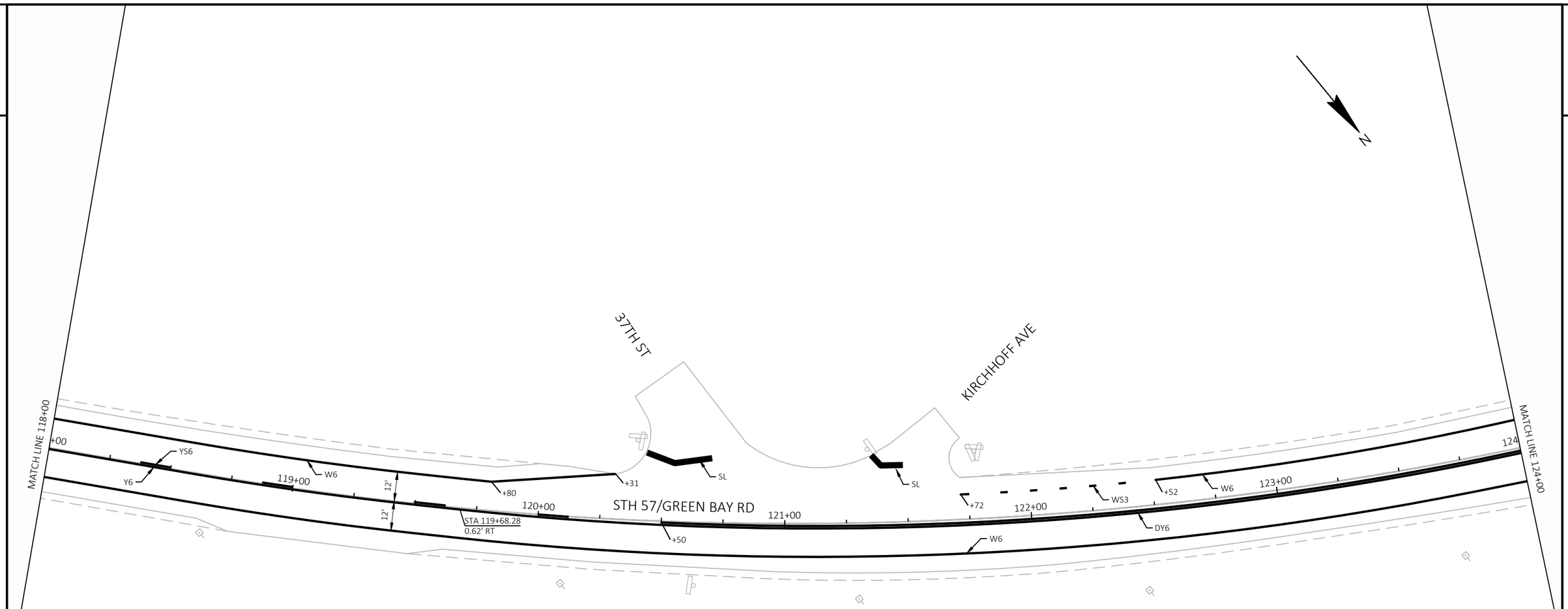
NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 109	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024515-pm
PLOT DATE : 7/30/2026 4:24 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 110	E

2

2

N

MATCH LINE 124+00

MATCH LINE 130+00

STH 57/GREEN BAY RD

STA 124+54.36
0.75' RT

STA 124+10.12
1.08' RT

+00

125+00

126+00

127+00

128+00

129+00

130

W6

Y6

WS6/BS6

+46

DY6

Y12 (TYP.)

+34

45° (TYP.)

25' (TYP.)

NS

+35

MARKING CURB EPOXY (YELLOW)

+70

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 111	E

2

2

CEDARBURG RD

STH 57/GREEN BAY RD

MATCH LINE 130+00

MATCH LINE 136+00

W6

Y6

SL

MARKING CURB EPOXY (YELLOW)

+33

NS

+35

+79

+77

+97

WS6/BS6

12'

12'

131+00

132+00

133+00

134+00

135+00

136

PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)
Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
SL	MARKING STOP LINE EPOXY 18-INCH
CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
AE	MARKING ARROW EPOXY
NS	MARKING ISLAND NOSE EPOXY (YELLOW)
BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

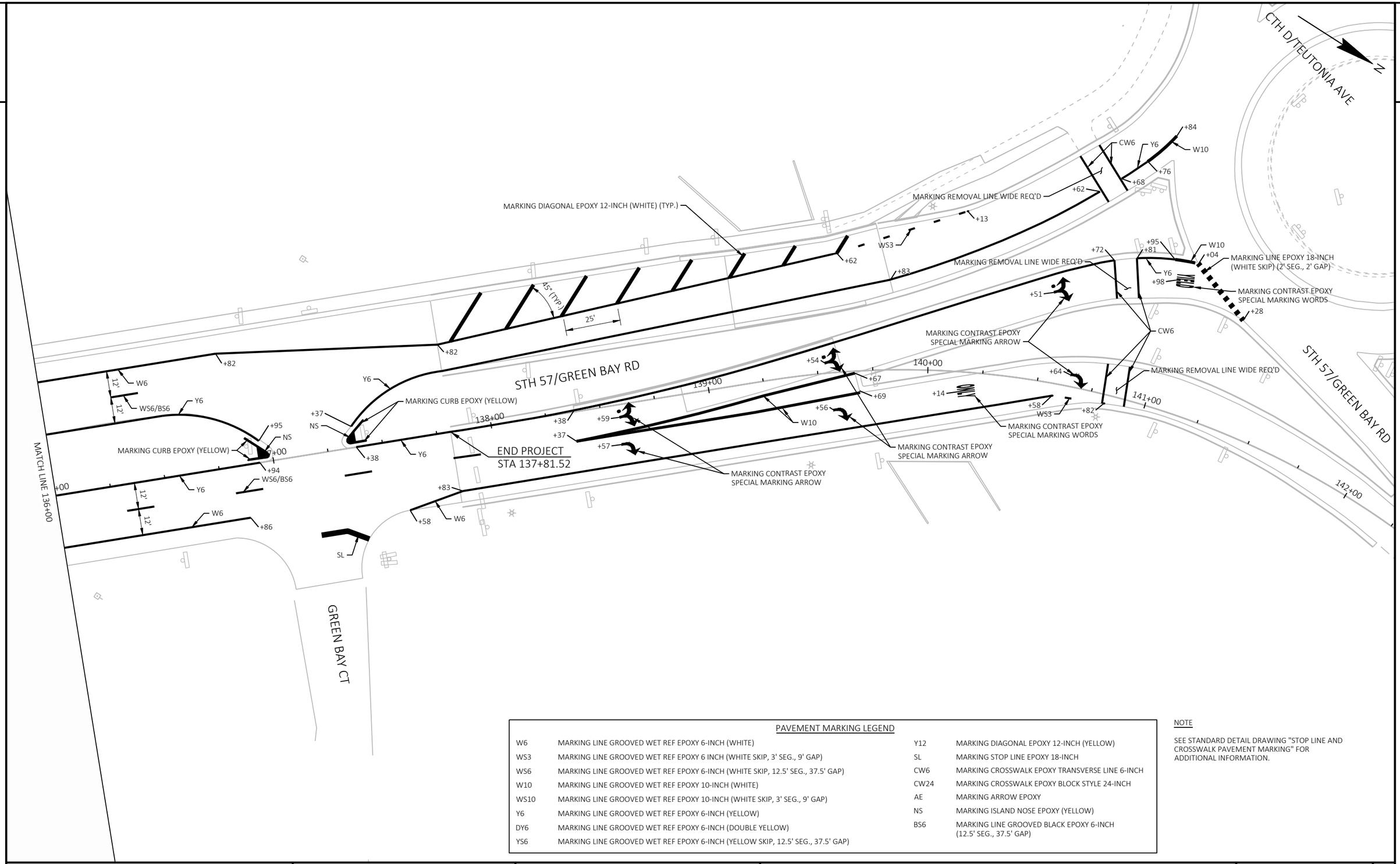
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 112	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024518-pm

PLOT DATE : 7/30/2026 4:24 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

W6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE)	Y12	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
WS3	MARKING LINE GROOVED WET REF EPOXY 6 INCH (WHITE SKIP, 3' SEG., 9' GAP)	SL	MARKING STOP LINE EPOXY 18-INCH
WS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)	CW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
W10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	CW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH
WS10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE SKIP, 3' SEG., 9' GAP)	AE	MARKING ARROW EPOXY
Y6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW)	NS	MARKING ISLAND NOSE EPOXY (YELLOW)
DY6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (DOUBLE YELLOW)	BS6	MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' SEG., 37.5' GAP)
YS6	MARKING LINE GROOVED WET REF EPOXY 6-INCH (YELLOW SKIP, 12.5' SEG., 37.5' GAP)		

NOTE

SEE STANDARD DETAIL DRAWING "STOP LINE AND CROSSWALK PAVEMENT MARKING" FOR ADDITIONAL INFORMATION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 113	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\024501-PM.DWG
LAYOUT NAME - 024519-pm
PLOT DATE : 7/30/2026 4:24 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

TRAFFIC CONTROL NOTES

1. FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:
   "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
   "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
2. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
3. 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.
4. 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.
5. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
6. "WO" SERIES SIGNS ARE "W" SERIES EXCEPT THE BACKGROUND IS ORANGE.
7. DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

LEGEND

- SIGNS MOUNTED ON PERMANENT SUPPORT
- WORK ZONE
- TRAFFIC CONTROL DRUMS
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- PCMS MESSAGE 7 DAYS PRIOR TO BEGINNING CONSTRUCTION — PANEL 1: ROAD TO CLOSE; PANEL 2: XXXXDAY XX/XX

N

CTH D/TEUTONIA AVENUE

PLACE 5 DRUMS AT 10-FOOT INTERVALS IN FRONT OF PCMS (TYP.)

PCMS

SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

CEDARBURG ROAD

KIRCHHOFF AVENUE

HWY 57/GREEN BAY RD CLOSED AHEAD USE ALT ROUTE

37TH STREET

SERVICE ROAD

PELICAN LANE

BRADLEY ROAD

BROWN DEER PARK

57

CTH PP/GOOD HOPE ROAD

WENDING DRIVE

HEMLOCK ROAD

DUNWOOD ROAD

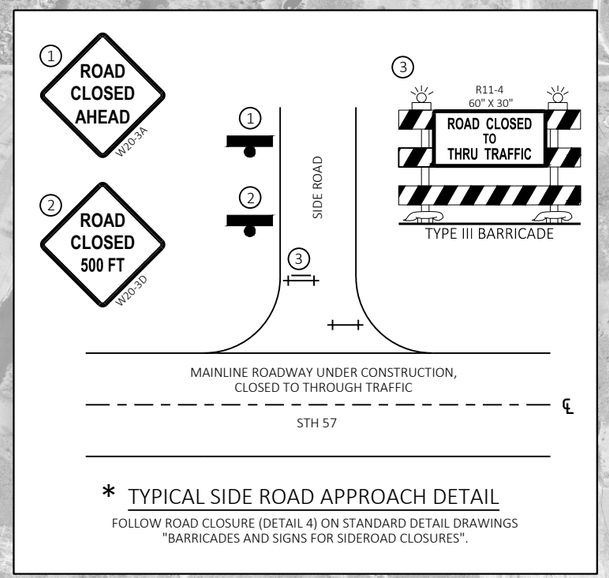
RANGE LINE ROAD

FOLLOW ROAD CLOSURE (DETAIL 3) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

PCMS

FAIRLANE AVENUE



* TYPICAL SIDE ROAD APPROACH DETAIL

FOLLOW ROAD CLOSURE (DETAIL 4) ON STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES".

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC CONTROL - ADVANCED WARNING	SHEET 114	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\025001-AW.DWG
LAYOUT NAME - 025001-aw
PLOT DATE : 7/30/2026 4:46 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:1000 FT

WISDOT/CADDS SHEET 42

2

END ROAD WORK
G20-2A

WALLS

N

350'

STH 57/GREEN BAY AVE

27+00

28+00

MATCHLINE 29+00

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

LEFT LANE MUST TURN LEFT
R3-7L

+44

25' (TYP.)

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED 500 FT
W20-3D

RIGHT LANE MUST TURN RIGHT
R3-7R

VACUUM

R11-4
60" X 30"

ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

1100'

500'

CANOPY

CTH PP/GOOD HOPE RD

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- XXXX / YYY SAWING ASPHALT/SAWING CONCRETE
- DIRECTION OF TRAFFIC

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC CONTROL	SHEET 115	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\025100-TC.DWG
LAYOUT NAME - 025100-tc
PLOT DATE : 7/30/2026 4:46 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

STH 57/GREEN BAY AVE

32+00

31+00

30+00

MATCHLINE A

MATCHLINE 29+00

CTH PP/GOOD HOPE RD

END ROAD WORK
G20-2A
48"X24"

350'

NORTH
57
M3-1
M1-6
ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A

NORTH
57
M3-1
M1-6
R3-2

350'

NORTH
57
M3-1
M1-6
ROAD WORK AHEAD
W20-1A

10' (TYP.)

25' (TYP.)

R3-2

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

R3-1
24"X24"

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

50' (TYP.)

M4-9L
30"X24"
DETOUR
TYPE III BARRICADE

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

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- XXXX / YYY — SAWING ASPHALT/SAWING CONCRETE
- DIRECTION OF TRAFFIC

NOTES

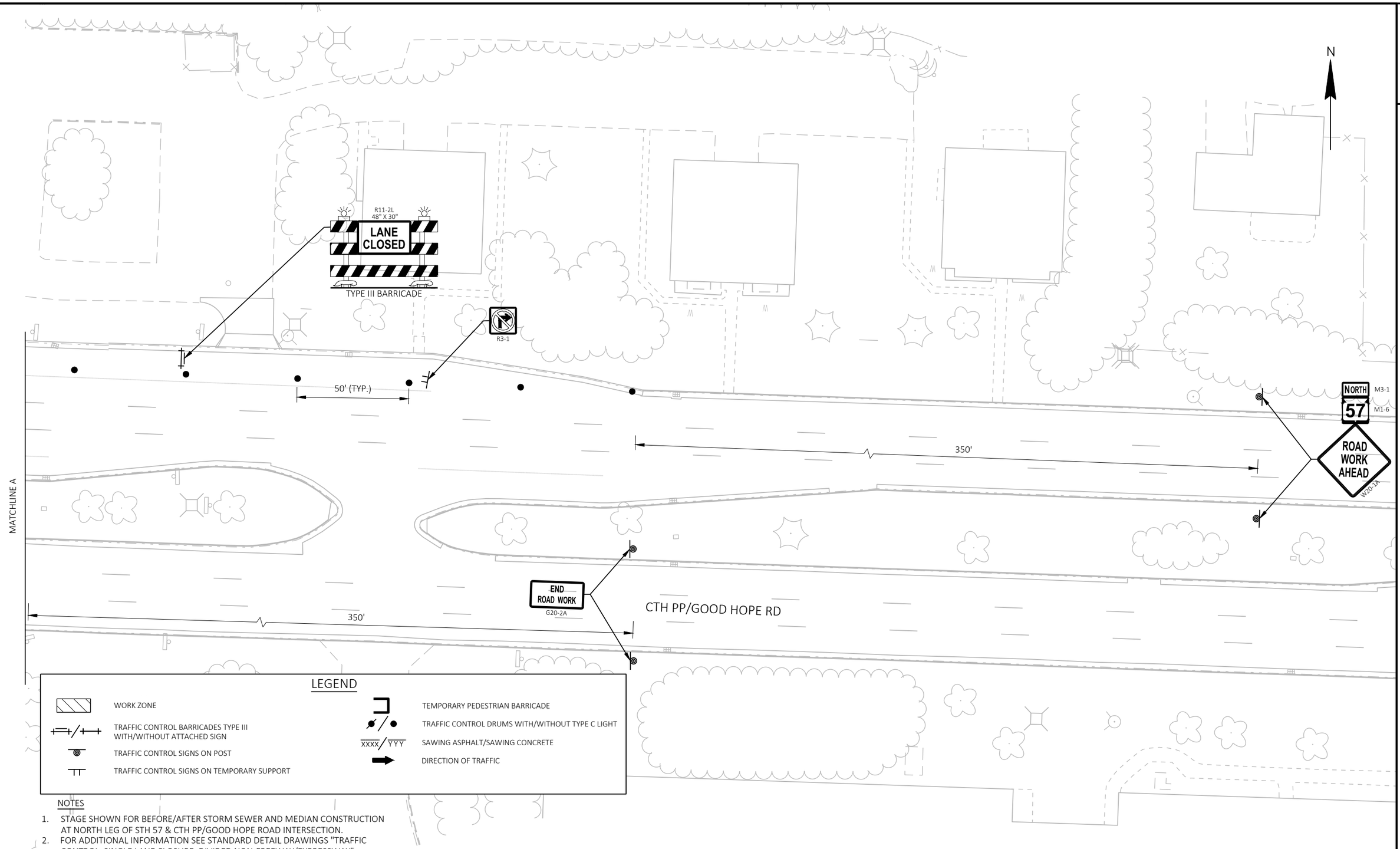
STAGE SHOWN FOR BEFORE/AFTER STORM SEWER AND MEDIAN CONSTRUCTION AT NORTH LEG OF STH 57 & CTH PP/GOOD HOPE ROAD INTERSECTION.

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC CONTROL	SHEET 116	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\025100-TC.DWG
LAYOUT NAME - 025101-tc

PLOT DATE : 7/30/2026 4:46 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- XXXX / YYY SAWING ASPHALT/SAWING CONCRETE
- DIRECTION OF TRAFFIC

NOTES

1. STAGE SHOWN FOR BEFORE/AFTER STORM SEWER AND MEDIAN CONSTRUCTION AT NORTH LEG OF STH 57 & CTH PP/GOOD HOPE ROAD INTERSECTION.
2. FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY".

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC CONTROL	SHEET 117	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\025100-TC.DWG
LAYOUT NAME - 025102-tc
PLOT DATE : 7/30/2026 4:47 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

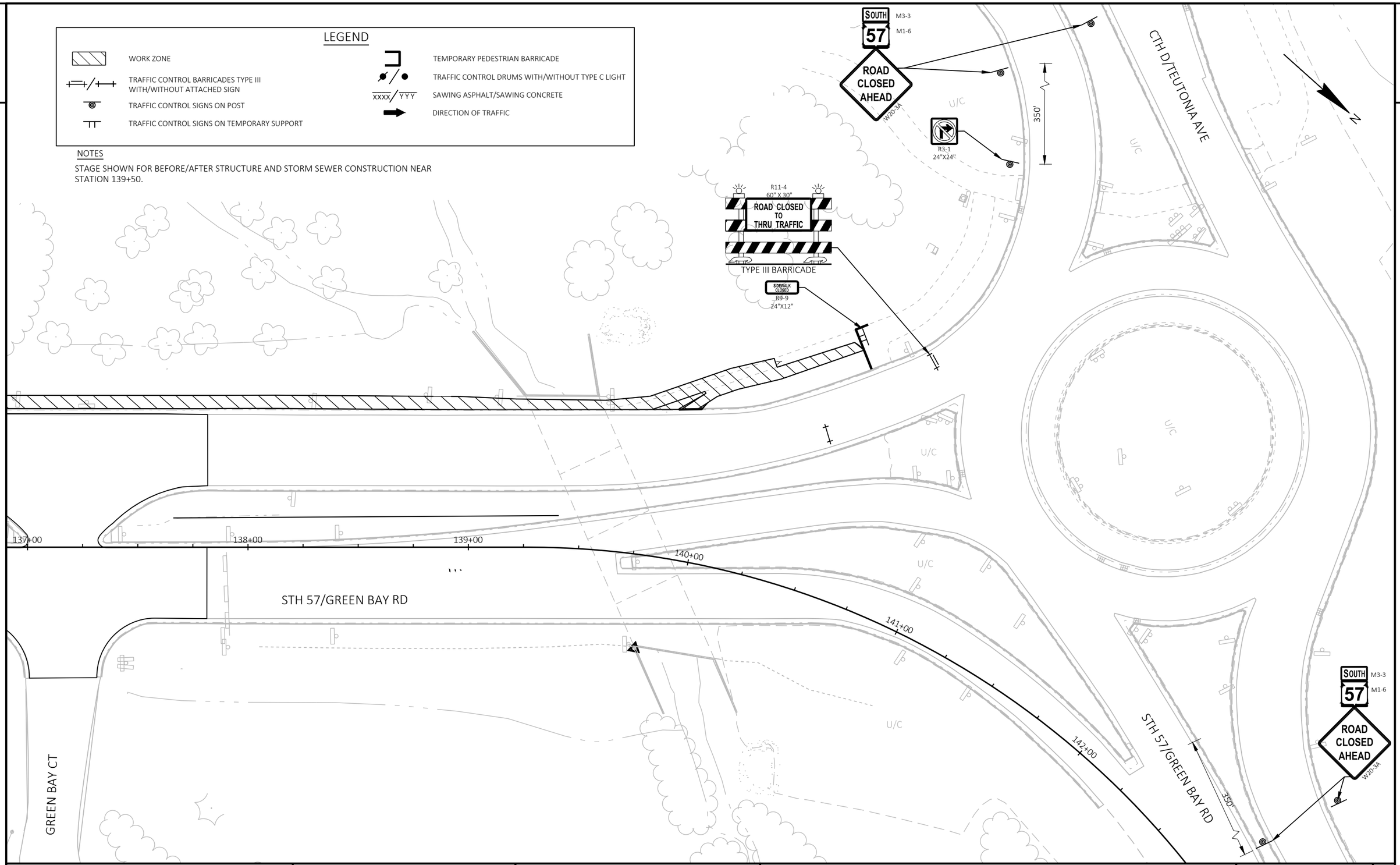
2

LEGEND

- WORK ZONE
- TRAFFIC CONTROL BARRICADES TYPE III WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL SIGNS ON POST
- TRAFFIC CONTROL SIGNS ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUMS WITH/WITHOUT TYPE C LIGHT
- XXXX / YYY SAWING ASPHALT/SAWING CONCRETE
- DIRECTION OF TRAFFIC

NOTES

STAGE SHOWN FOR BEFORE/AFTER STRUCTURE AND STORM SEWER CONSTRUCTION NEAR STATION 139+50.



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TRAFFIC CONTROL	SHEET 118 E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\025100-TC.DWG
LAYOUT NAME - 025103-tc

PLOT DATE : 7/30/2026 4:47 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

① SOUTH 57 — M3-3 24"X12" / M1-6 24"X24" — DETOUR AHEAD W20-2A

② DETOUR SOUTH 57 — M4-8 24"X12" / M3-3 24"X12" / M1-6 24"X24"

③ END DETOUR SOUTH 57 — M4-8A 24"X18" / M3-3 24"X12" / M1-6 24"X24"

④ DETOUR SOUTH 57 — M4-8 36"X18" / M3-3 36"X18" / M1-6 36"X36"

⑤ NORTH 57 — M3-1 24"X12" / M1-6 24"X24" — DETOUR AHEAD W20-2A

⑥ DETOUR NORTH 57 — M4-8 24"X12" / M3-1 24"X12" / M1-6 24"X24"

⑦ END DETOUR NORTH 57 — M4-8A 24"X18" / M3-1 24"X12" / M1-6 24"X24"

⑧ DETOUR NORTH 57 — M4-8 36"X18" / M3-1 36"X18" / M1-6 36"X36"

⑨ NORTH 57 — USE RIGHT LANE

⑩ NORTH 57

⑪ SOUTH 57 / WEST PP

⑫ NORTH 57 / EAST 100

⑬ SOUTH D

⑭ WEST 100 / NORTH 57

⑮ EAST PP / SOUTH 57

⑯

⑰ DETOUR AHEAD W20-2A

⑱ HWY 57/GREEN BAY RD CLOSED AT TEUTONIA AVE

⑲ HWY 57/GREEN BAY AVE CLOSED AT HWY PP/GOOD HOPE RD

⑳

㉑ NORTH 57

㉒ NORTH 57 — M3-1 36"X18" / M1-6 36"X36" — DETOUR AHEAD W20-2A

㉓ D — N TEUTONIA AVE

Ⓐ MO6-1 21"X21"

Ⓑ MO6-1 21"X21"

Ⓒ MO6-1 21"X21"

Ⓓ MO5-1R 21"X21"

Ⓔ MO5-1L 21"X21"

Ⓕ MO5-2R 30"X30"

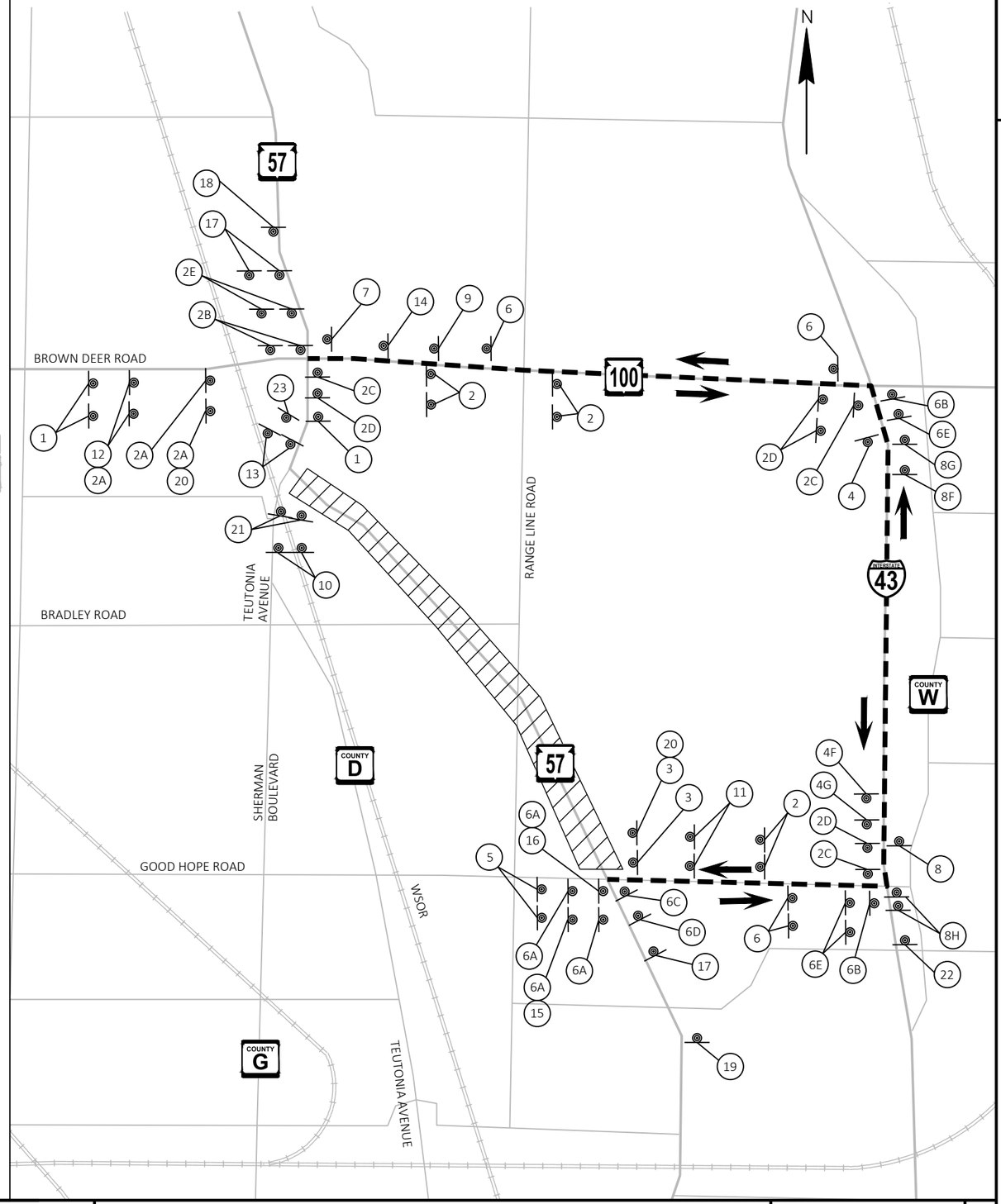
Ⓖ MO6-2R 30"X30"

Ⓗ MO6-1 30"X30"

NOTES:
1. SEE STANDARD DETAIL DRAWINGS "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "BARRICADES AND SIGNS FOR VARIOUS CLOSURES " FOR ROAD CLOSURE SIGN DETAILS.
2. DO NOT PLACE ANY ITEMS WITHIN 50 FEET OF RAILROAD RIGHT-OF-WAY.

WORK ZONE

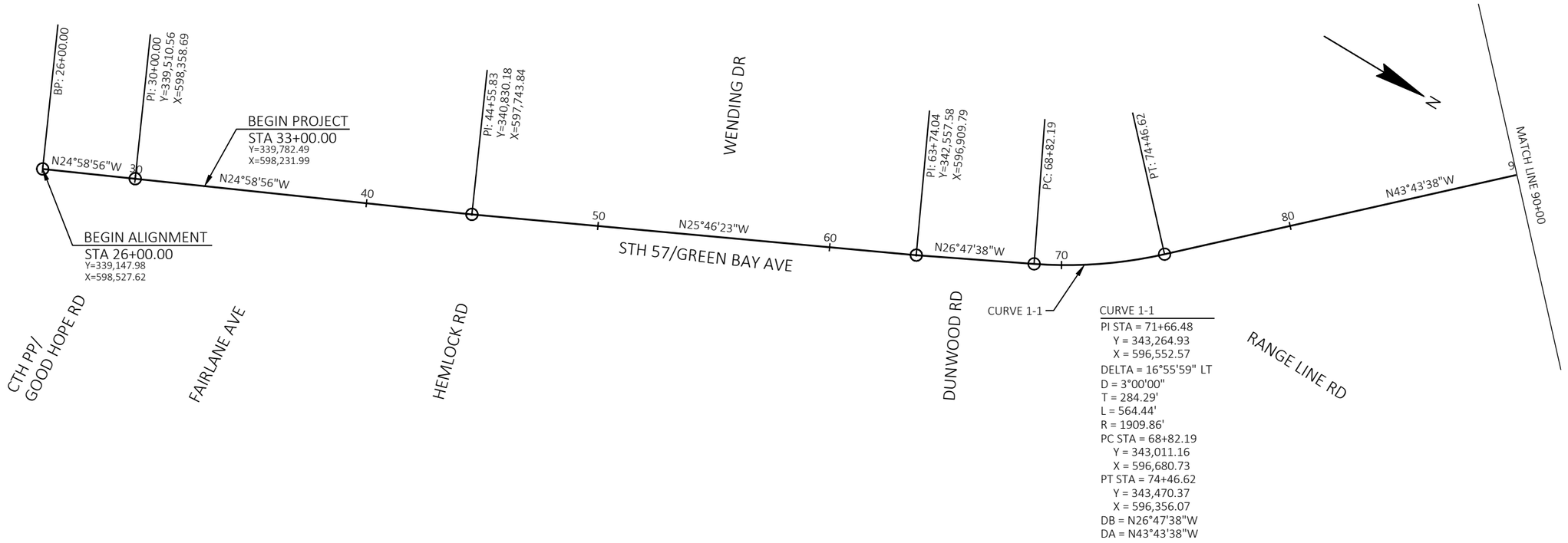
TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D.



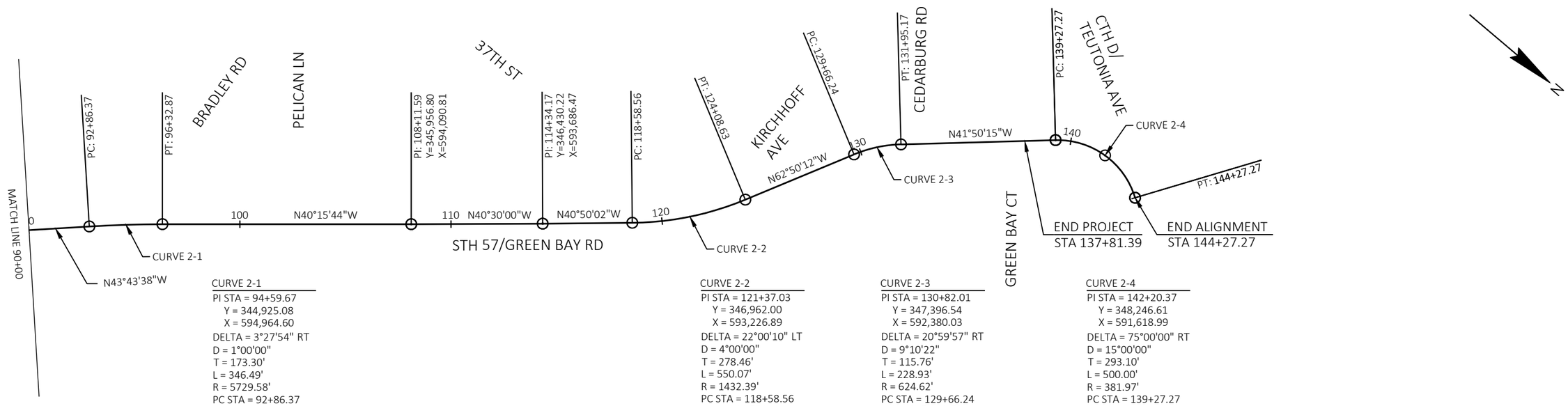
2

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	DETOUR	SHEET 119	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\027001-DT.DWG
LAYOUT NAME - 027001-dt
PLOT DATE : 7/30/2026 4:28 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:0.5 MI
WISDOT/CADDS SHEET 42



CURVE 1-1
PI STA = 71+66.48
Y = 343,264.93
X = 596,552.57
DELTA = 16°55'59" LT
D = 3°00'00"
T = 284.29'
L = 564.44'
R = 1909.86'
PC STA = 68+82.19
Y = 343,011.16
X = 596,680.73
PT STA = 74+46.62
Y = 343,470.37
X = 596,356.07
DB = N26°47'38"W
DA = N43°43'38"W



CURVE 2-1
PI STA = 94+59.67
Y = 344,925.08
X = 594,964.60
DELTA = 3°27'54" RT
D = 1°00'00"
T = 173.30'
L = 346.49'
R = 5729.58'
PC STA = 92+86.37
Y = 344,799.85
X = 595,084.39
PT STA = 96+32.87
Y = 345,057.32
X = 594,852.60
DB = N43°43'38"W
DA = N40°15'44"W

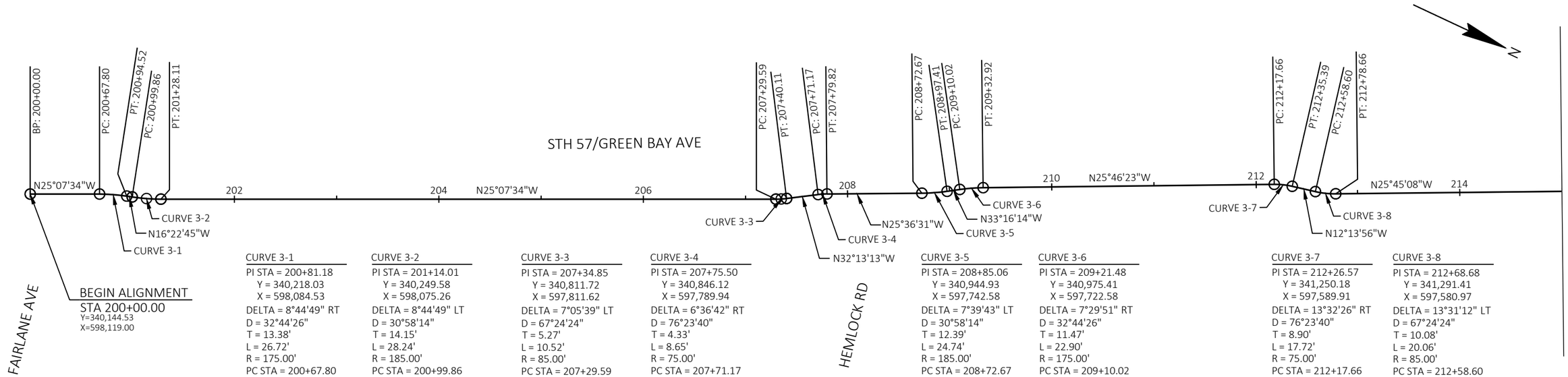
CURVE 2-2
PI STA = 121+37.03
Y = 347,396.00
X = 593,226.89
DELTA = 22°00'10" LT
D = 4°00'00"
T = 278.46'
L = 550.07'
R = 1432.39'
PC STA = 118+58.56
Y = 346,751.31
X = 593,408.97
PT STA = 124+08.63
Y = 347,089.13
X = 592,979.14
DB = N40°50'02"W
DA = N62°50'12"W

CURVE 2-3
PI STA = 130+82.01
Y = 347,396.54
X = 592,380.03
DELTA = 20°59'57" RT
D = 9°10'22"
T = 115.76'
L = 228.93'
R = 624.62'
PC STA = 129+66.24
Y = 347,343.70
X = 592,483.03
PT STA = 131+95.17
Y = 347,482.79
X = 592,302.82
DB = N62°50'12"W
DA = N41°50'15"W

CURVE 2-4
PI STA = 142+20.37
Y = 348,246.61
X = 591,618.99
DELTA = 75°00'00" RT
D = 15°00'00"
T = 293.10'
L = 500.00'
R = 381.97'
PC STA = 139+27.27
Y = 348,028.24
X = 591,814.49
PT STA = 144+27.27
Y = 348,491.96
X = 591,779.32
DB = N41°50'15"W
DA = N33°09'45"E

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	ALIGNMENT DETAIL - STH 57	SHEET 120	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 7/30/2026 4:30 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:500 FT
WISDOT/CADDS SHEET 44



CURVE 3-1
PI STA = 200+81.18
Y = 340,218.03
X = 598,084.53
DELTA = 8°44'49" RT
D = 32°44'26"
T = 13.38'
L = 26.72'
R = 175.00'
PC STA = 200+67.80
Y = 340,205.92
X = 598,090.21
PT STA = 200+94.52
Y = 340,230.87
X = 598,080.75
DB = N25°07'34"W
DA = N16°22'45"W

CURVE 3-2
PI STA = 201+14.01
Y = 340,249.58
X = 598,075.26
DELTA = 8°44'49" LT
D = 30°58'14"
T = 14.15'
L = 28.24'
R = 185.00'
PC STA = 200+99.86
Y = 340,236.00
X = 598,079.25
PT STA = 201+28.11
Y = 340,262.39
X = 598,069.25
DB = N16°22'45"W
DA = N25°07'34"W

CURVE 3-3
PI STA = 207+34.85
Y = 340,811.72
X = 597,811.62
DELTA = 7°05'39" LT
D = 67°24'24"
T = 5.27'
L = 10.52'
R = 85.00'
PC STA = 207+29.59
Y = 340,806.95
X = 597,813.85
PT STA = 207+40.11
Y = 340,816.18
X = 597,808.81
DB = N25°07'34"W
DA = N32°13'13"W

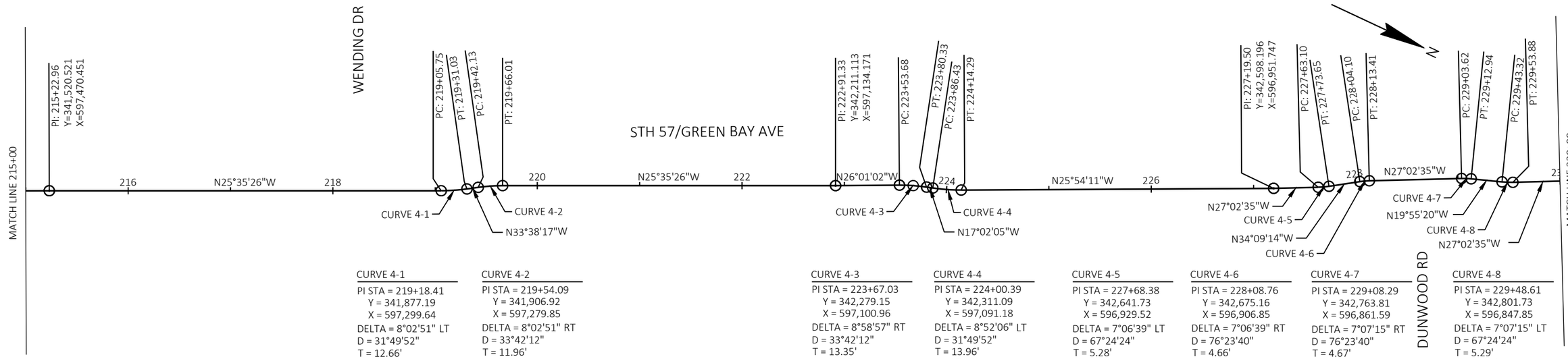
CURVE 3-4
PI STA = 207+75.50
Y = 340,846.12
X = 597,789.94
DELTA = 6°36'42" RT
D = 76°23'40"
T = 4.33'
L = 8.65'
R = 75.00'
PC STA = 207+71.17
Y = 340,842.45
X = 597,792.25
PT STA = 207+79.82
Y = 340,850.03
X = 597,788.07
DB = N32°13'13"W
DA = N25°36'31"W

CURVE 3-5
PI STA = 208+85.06
Y = 340,944.93
X = 597,742.58
DELTA = 7°39'43" LT
D = 30°58'14"
T = 12.39'
L = 24.74'
R = 185.00'
PC STA = 208+72.67
Y = 340,933.76
X = 597,747.93
PT STA = 208+97.41
Y = 340,955.29
X = 597,735.78
DB = N25°36'31"W
DA = N33°16'14"W

CURVE 3-6
PI STA = 209+21.48
Y = 340,975.41
X = 597,722.58
DELTA = 7°29'51" RT
D = 32°44'26"
T = 11.47'
L = 22.90'
R = 175.00'
PC STA = 209+10.02
Y = 340,965.83
X = 597,728.87
PT STA = 209+32.92
Y = 340,985.74
X = 597,717.59
DB = N33°16'14"W
DA = N25°46'23"W

CURVE 3-7
PI STA = 212+26.57
Y = 341,250.18
X = 597,589.91
DELTA = 13°32'26" RT
D = 76°23'40"
T = 8.90'
L = 17.72'
R = 75.00'
PC STA = 212+17.66
Y = 341,242.16
X = 597,593.78
PT STA = 212+35.39
Y = 341,258.88
X = 597,588.02
DB = N25°46'23"W
DA = N12°13'56"W

CURVE 3-8
PI STA = 212+68.68
Y = 341,291.41
X = 597,580.97
DELTA = 13°31'12" LT
D = 67°24'24"
T = 10.08'
L = 20.06'
R = 85.00'
PC STA = 212+58.60
Y = 341,281.57
X = 597,583.11
PT STA = 212+78.66
Y = 341,300.49
X = 597,576.59
DB = N12°13'56"W
DA = N25°45'08"W



CURVE 4-1
PI STA = 219+18.41
Y = 341,877.19
X = 597,299.64
DELTA = 8°02'51" LT
D = 31°49'52"
T = 12.66'
L = 25.28'
R = 180.00'
PC STA = 219+05.75
Y = 341,865.77
X = 597,305.11
PT STA = 219+31.03
Y = 341,887.73
X = 597,292.63
DB = N25°35'26"W
DA = N33°38'17"W

CURVE 4-2
PI STA = 219+54.09
Y = 341,906.92
X = 597,279.85
DELTA = 8°02'51" RT
D = 33°42'12"
T = 11.96'
L = 23.88'
R = 170.00'
PC STA = 219+42.13
Y = 341,896.96
X = 597,286.48
PT STA = 219+66.01
Y = 341,917.71
X = 597,274.69
DB = N33°38'17"W
DA = N25°35'26"W

CURVE 4-3
PI STA = 223+67.03
Y = 342,279.15
X = 597,100.96
DELTA = 8°58'57" RT
D = 33°42'12"
T = 13.35'
L = 26.65'
R = 170.00'
PC STA = 223+53.68
Y = 342,267.14
X = 597,106.82
PT STA = 223+80.33
Y = 342,291.91
X = 597,097.05
DB = N26°01'02"W
DA = N17°02'05"W

CURVE 4-4
PI STA = 224+00.39
Y = 342,311.09
X = 597,091.18
DELTA = 8°52'06" LT
D = 31°49'52"
T = 13.96'
L = 27.86'
R = 180.00'
PC STA = 223+86.43
Y = 342,297.75
X = 597,095.27
PT STA = 224+14.29
Y = 342,323.65
X = 597,085.08
DB = N17°02'05"W
DA = N25°54'11"W

CURVE 4-5
PI STA = 227+68.38
Y = 342,641.73
X = 596,929.52
DELTA = 7°06'39" LT
D = 67°24'24"
T = 5.28'
L = 10.55'
R = 85.00'
PC STA = 227+63.10
Y = 342,637.03
X = 596,931.92
PT STA = 227+73.65
Y = 342,646.10
X = 596,926.56
DB = N27°02'35"W
DA = N34°09'14"W

CURVE 4-6
PI STA = 228+08.76
Y = 342,675.16
X = 596,906.85
DELTA = 7°06'39" RT
D = 76°23'40"
T = 4.66'
L = 9.31'
R = 75.00'
PC STA = 228+04.10
Y = 342,671.30
X = 596,909.46
PT STA = 228+13.41
Y = 342,679.31
X = 596,904.73
DB = N34°09'14"W
DA = N27°02'35"W

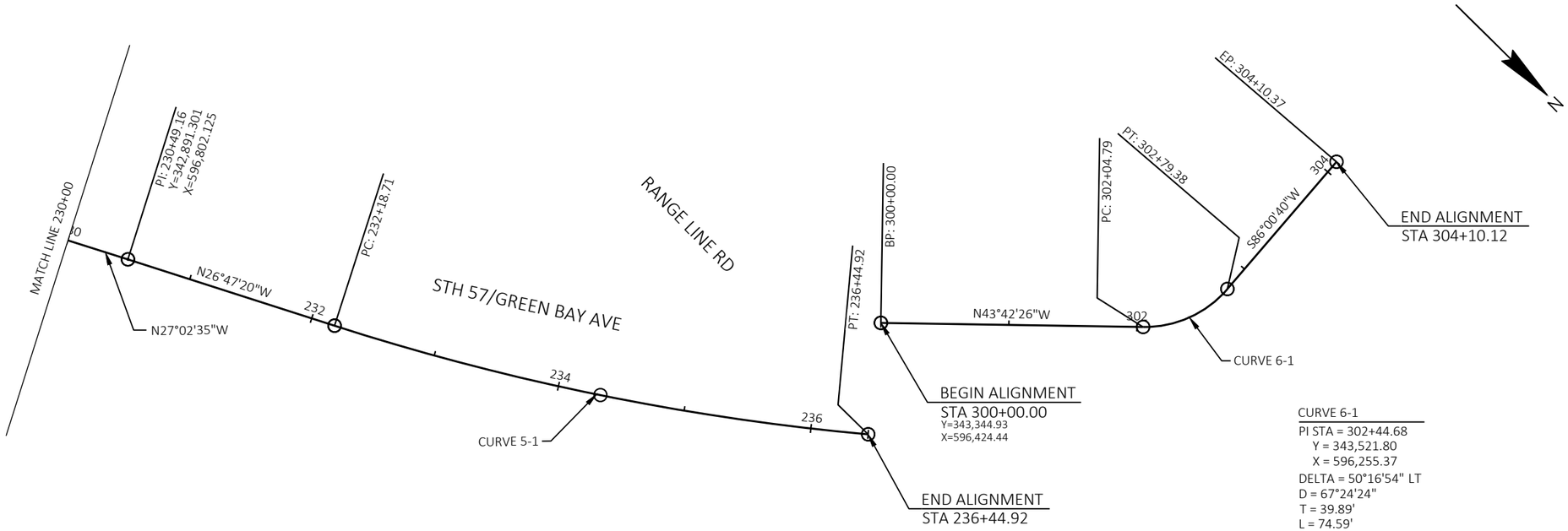
CURVE 4-7
PI STA = 229+08.29
Y = 342,763.81
X = 596,861.59
DELTA = 7°07'15" RT
D = 76°23'40"
T = 4.67'
L = 9.32'
R = 75.00'
PC STA = 229+03.62
Y = 342,759.66
X = 596,863.71
PT STA = 229+12.94
Y = 342,768.20
X = 596,860.00
DB = N27°02'35"W
DA = N19°55'20"W

CURVE 4-8
PI STA = 229+48.61
Y = 342,801.73
X = 596,847.85
DELTA = 7°07'15" LT
D = 67°24'24"
T = 5.29'
L = 10.56'
R = 85.00'
PC STA = 229+43.32
Y = 342,796.76
X = 596,849.65
PT STA = 229+53.88
Y = 342,806.44
X = 596,845.44
DB = N19°55'20"W
DA = N27°02'35"W

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	ALIGNMENT DETAIL - PATH	SHEET 121	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\027211-AD.DWG
LAYOUT NAME - 027211-ad
PLOT DATE : 7/30/2026 4:30 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



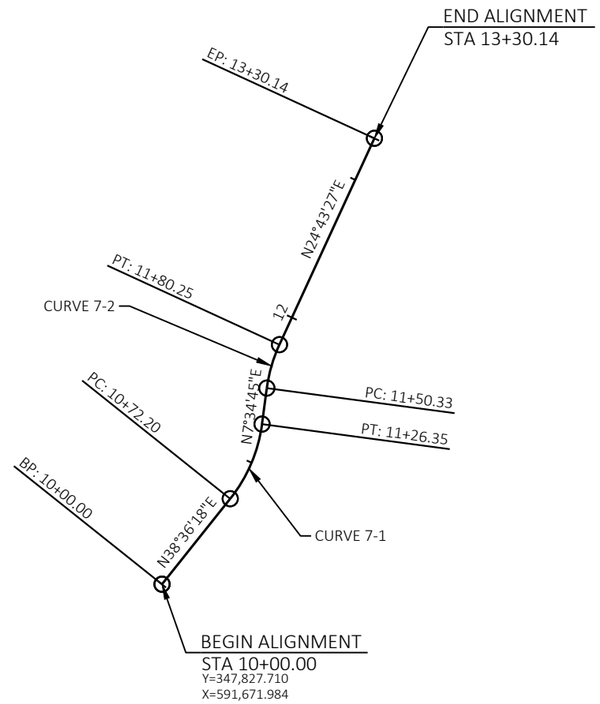
CURVE 5-1
PI STA = 234+32.68
Y = 343,233.66
X = 596,629.27
DELTA = 12°36'26" LT
D = 2°57'29"
T = 213.97'
L = 426.21'
R = 1937.00'
PC STA = 232+18.71
Y = 343,042.65
X = 596,725.71
PT STA = 236+44.92
Y = 343,399.01
X = 596,493.47
DB = N26°47'20"W
DA = N39°23'46"W

CURVE 6-1
PI STA = 302+44.68
Y = 343,521.80
X = 596,255.37
DELTA = 50°16'54" LT
D = 67°24'24"
T = 39.89'
L = 74.59'
R = 85.00'
PC STA = 302+04.79
Y = 343,492.96
X = 596,282.94
PT STA = 302+79.38
Y = 343,519.02
X = 596,215.58
DB = N43°42'26"W
DA = S86°00'40"W

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	ALIGNMENT DETAIL - PATH	SHEET 122	E

2

N

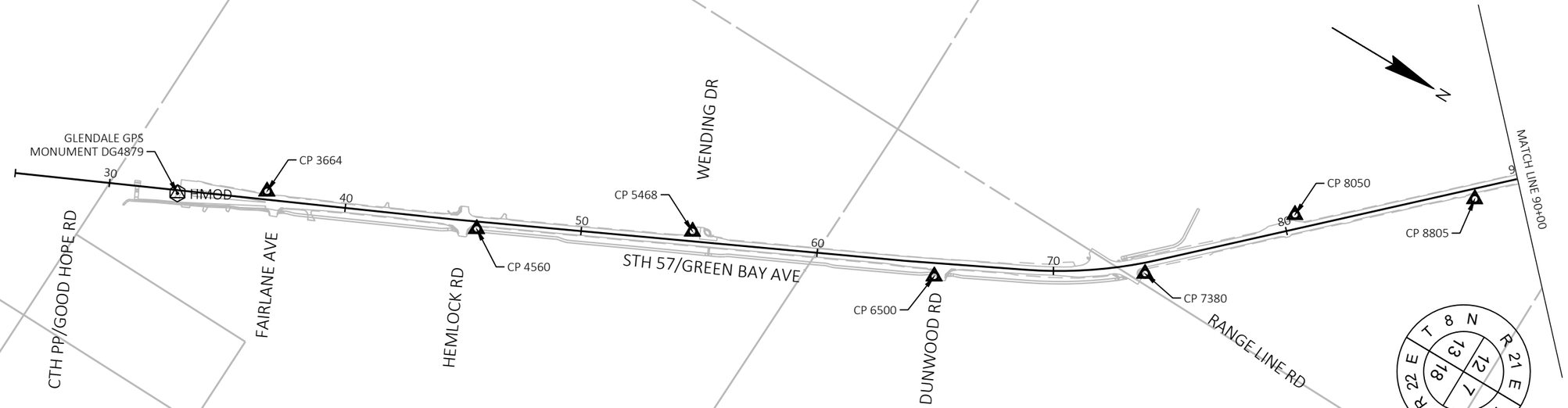


CURVE 7-1
PI STA = 10+99.95
Y = 347,905.82
X = 591,734.35
DELTA = 31°01'33" LT
D = 57°17'45"
T = 27.76'
L = 54.15'
R = 100.00'
PC STA = 10+72.20
Y = 347,884.13
X = 591,717.03
PT STA = 11+26.35
Y = 347,933.34
X = 591,738.01
DB = N38°36'18"E
DA = N07°34'45"E

CURVE 7-2
PI STA = 11+65.40
Y = 347,972.05
X = 591,743.16
DELTA = 17°08'42" RT
D = 57°17'45"
T = 15.07'
L = 29.92'
R = 100.00'
PC STA = 11+50.33
Y = 347,957.11
X = 591,741.17
PT STA = 11+80.25
Y = 347,985.74
X = 591,749.47
DB = N07°34'45"E
DA = N24°43'27"E

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	ALIGNMENT DETAIL - SOUTHBRANCH CREEK	SHEET 123	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\027221-AD.DWG
LAYOUT NAME - 027221-ad
PLOT DATE : 7/30/2026 4:31 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

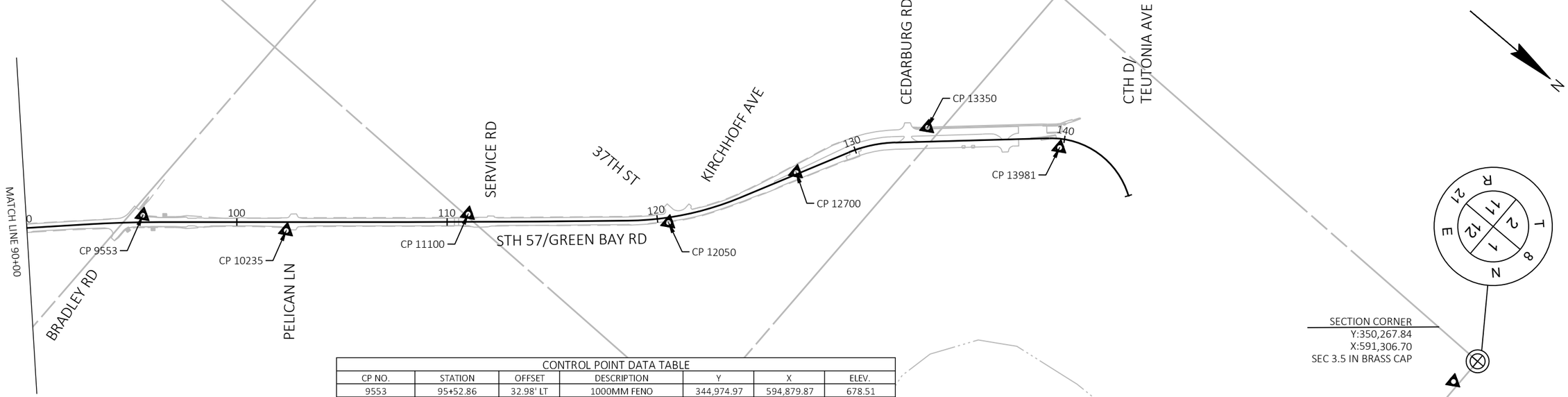


HEIGHT MODERIZATION GEODETIC SURVEY MONUMENT						
MONUMENT NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
DG4879	32+89.45	13.40' RT	BRASS DISK	339,778.59	598,248.59	681.07

NOTES:
ALL EXISTING MONUMENTS SHALL REMAIN.

CONTROL POINT DATA TABLE						
CP NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
3664	36+64.22	34.66' LT	1000MM FENO	340,097.99	598,046.75	686.46
4560	45+60.13	31.32' RT	1000MM FENO	340,937.72	597,726.69	702.25
5468	54+68.14	41.29' LT	1000MM FENO	341,723.83	597,266.50	713.26
6500	65+00.00	55.70' RT	1000MM FENO	342,695.12	596,902.73	711.91
7380	73+79.89	45.13' RT	1000MM FENO	343,451.38	596,435.03	691.38
8050	80+50.00	59.05' LT	1000MM FENO	343,865.58	595,896.33	684.50
8805	88+05.02	42.71' RT	1000MM FENO	344,481.52	595,447.97	680.17

SECTION CORNER
STA. 83+82.72, 1103.38' RT
Y:344,909.51
X:596,506.36
SEC 3.5IN BRASS CAP



CONTROL POINT DATA TABLE						
CP NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
9553	95+52.86	32.98' LT	1000MM FENO	344,974.97	594,879.87	678.51
10235	102+34.98	40.08' RT	1000MM FENO	345,542.70	594,494.05	683.30
11100	111+00.18	36.90' LT	1000MM FENO	346,152.28	593,875.32	676.31
12050	120+50.03	24.16' RT	1000MM FENO	346,905.48	593,290.49	683.59
12700	127+00.04	8.01' LT	1000MM FENO	347,215.04	592,716.22	672.78
13350	133+50.00	67.62' LT	1000MM FENO	347,553.04	592,149.17	658.92
13981	139+81.41	42.42' RT	1000MM FENO	348,094.54	591,816.64	658.60

SECTION CORNER
Y:350,267.84
X:591,306.70
SEC 3.5 IN BRASS CAP

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	SURVEY CONTROL	SHEET 124	E

Estimate Of Quantities

2565-03-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	54.000	54.000
0004	203.0100	Removing Small Pipe Culverts	EACH	7.000	7.000
0006	203.0220	Removing Structure (structure) 01. B-40-155	EACH	1.000	1.000
0008	203.0335	Debris Containment Over Waterway (structure) 01. B-40-155	EACH	1.000	1.000
0010	203.0335	Debris Containment Over Waterway (structure) 02. C-40-78	EACH	1.000	1.000
0012	204.0100	Removing Concrete Pavement	SY	1,830.000	1,830.000
0014	204.0115	Removing Asphaltic Surface Butt Joints	SY	226.000	226.000
0016	204.0120	Removing Asphaltic Surface Milling	SY	57,900.000	57,900.000
0018	204.0150	Removing Curb & Gutter	LF	443.000	443.000
0020	204.0155	Removing Concrete Sidewalk	SY	74.000	74.000
0022	204.0165	Removing Guardrail	LF	534.000	534.000
0024	204.0170	Removing Fence	LF	69.000	69.000
0026	204.0220	Removing Inlets	EACH	4.000	4.000
0028	204.0245	Removing Storm Sewer (size) 01. 10-Inch	LF	8.000	8.000
0030	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	34.000	34.000
0032	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	80.000	80.000
0034	204.0245	Removing Storm Sewer (size) 04. 30-Inch	LF	8.000	8.000
0036	204.0245	Removing Storm Sewer (size) 05. 36-Inch	LF	150.000	150.000
0038	204.0291.S	Abandoning Sewer	CY	44.000	44.000
0040	204.9060.S	Removing (item description) 01. Apron End Wall	EACH	2.000	2.000
0042	205.0100	Excavation Common	CY	3,060.000	3,060.000
0044	205.0300	Excavation Stone Piles and Stone Fences	CY	180.000	180.000
0046	206.1001	Excavation for Structures Bridges (structure) 01. B-40-155	EACH	1.000	1.000
0048	206.5001	Cofferdams (structure) 01. B-40-155	EACH	1.000	1.000
0050	210.2500	Backfill Structure Type B	TON	85.000	85.000
0052	213.0100	Finishing Roadway (project) 01. 2565-03-73	EACH	1.000	1.000
0054	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,410.000	1,410.000
0056	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,030.000	3,030.000
0058	311.0110	Breaker Run	TON	1,170.000	1,170.000
0060	312.0110	Select Crushed Material	TON	410.000	410.000
0062	320.0155	Concrete Base 9-Inch	SY	1,070.000	1,070.000
0064	390.0100	Removing Pavement for Base Patching	CY	500.000	500.000
0066	390.0305	Base Patching Concrete HES	CY	500.000	500.000
0068	415.0085	Concrete Pavement 8 1/2-Inch	SY	347.000	347.000
0070	415.0090	Concrete Pavement 9-Inch	SY	32.000	32.000
0072	416.0610	Drilled Tie Bars	EACH	860.000	860.000
0074	416.0620	Drilled Dowel Bars	EACH	1,353.000	1,353.000
0076	416.0750.S	Concrete Pavement Partial Depth Repair Joint Repair	LF	320.000	320.000
0078	416.0752.S	Concrete Pavement Partial Depth Repair Crack Repair	LF	320.000	320.000
0080	450.6223	HMA Pavement 3 MT 58-28 S	TON	7,340.000	7,340.000
0082	450.6224	HMA Pavement 4 MT 58-28 S	TON	5,710.000	5,710.000
0084	455.0605	Tack Coat	GAL	6,910.000	6,910.000
0086	465.0105	Asphaltic Surface	TON	828.000	828.000
0088	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	51.000	51.000
0090	465.0125	Asphaltic Surface Temporary	TON	8.000	8.000
0092	465.0315	Asphaltic Flumes	SY	11.000	11.000
0094	502.0100	Concrete Masonry Bridges	CY	20.000	20.000
0096	502.3210	Pigmented Surface Sealer	SY	20.000	20.000
0098	502.4204	Adhesive Anchors No. 4 Bar	EACH	46.000	46.000

2565-03-73

Line	Item	Item Description	Unit	Total	Qty
0100	505.0400	Bar Steel Reinforcement HS Structures	LB	770.000	770.000
0102	505.0600	Bar Steel Reinforcement HS Coated Structures	LB	2,450.000	2,450.000
0104	509.1500	Concrete Surface Repair	SF	325.000	325.000
0106	509.2000	Full-Depth Deck Repair	SY	15.000	15.000
0108	509.2100.S	Concrete Masonry Deck Repair	CY	6.000	6.000
0110	509.9020.S	Epoxy Crack Sealing	LF	40.000	40.000
0112	516.0500	Rubberized Membrane Waterproofing	SY	13.000	13.000
0114	520.8000	Concrete Collars for Pipe	EACH	8.000	8.000
0116	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	2.000	2.000
0118	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	1.000	1.000
0120	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	2.000	2.000
0122	521.1217	Apron Endwalls for Pipe Arch Steel 17x13-Inch	EACH	2.000	2.000
0124	521.3112	Culvert Pipe Corrugated Steel 12-Inch	LF	40.000	40.000
0126	521.3115	Culvert Pipe Corrugated Steel 15-Inch	LF	16.000	16.000
0128	521.3118	Culvert Pipe Corrugated Steel 18-Inch	LF	26.000	26.000
0130	521.3717	Pipe Arch Corrugated Steel 17x13-Inch	LF	26.000	26.000
0132	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	2.000	2.000
0134	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0136	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0138	522.2338	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	68.000	68.000
0140	522.2638	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 38x60-Inch	EACH	2.000	2.000
0142	601.0331	Concrete Curb & Gutter 31-Inch	LF	1,152.000	1,152.000
0144	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	272.000	272.000
0146	601.0600	Concrete Curb Pedestrian	LF	40.000	40.000
0148	602.0410	Concrete Sidewalk 5-Inch	SF	12,050.000	12,050.000
0150	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	210.000	210.000
0152	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	133.000	133.000
0154	602.0810	Concrete Driveway 6-Inch	SY	55.000	55.000
0156	602.0820	Concrete Driveway 8-Inch	SY	25.000	25.000
0158	602.3010	Concrete Surface Drains	CY	2.000	2.000
0160	606.0200	Riprap Medium	CY	58.000	58.000
0162	606.0300	Riprap Heavy	CY	188.000	188.000
0164	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	83.000	83.000
0166	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	536.000	536.000
0168	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	72.000	72.000
0170	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	150.000	150.000
0172	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	348.000	348.000
0174	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	139.000	139.000
0176	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	75.000	75.000
0178	611.0609	Inlet Covers Type B-A	EACH	8.000	8.000
0180	611.0610	Inlet Covers Type BW	EACH	1.000	1.000
0182	611.0624	Inlet Covers Type H	EACH	6.000	6.000
0184	611.0639	Inlet Covers Type H-S	EACH	2.000	2.000
0186	611.0645	Inlet Covers Type MS-A	EACH	4.000	4.000
0188	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0190	611.3004	Inlets 4-FT Diameter	EACH	9.000	9.000
0192	611.3220	Inlets 2x2-FT	EACH	7.000	7.000
0194	611.3901	Inlets Median 1 Grate	EACH	4.000	4.000
0196	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000

2565-03-73

Line	Item	Item Description	Unit	Total	Qty
0198	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	308.000	308.000
0200	614.0951	Replacing Guardrail Rail and Hardware	LF	38.000	38.000
0202	614.2300	MGS Guardrail 3	LF	224.000	224.000
0204	614.2340	MGS Guardrail 3 L	LF	66.000	66.000
0206	614.2350	MGS Guardrail Short Radius	LF	85.000	85.000
0208	614.2500	MGS Thrie Beam Transition	LF	75.000	75.000
0210	614.2610	MGS Guardrail Terminal EAT	EACH	3.000	3.000
0212	614.2630	MGS Guardrail Short Radius Terminal	EACH	1.000	1.000
0214	619.1000	Mobilization	EACH	1.000	1.000
0216	625.0100	Topsoil	SY	8,596.000	8,596.000
0218	628.1504	Silt Fence	LF	4,872.000	4,872.000
0220	628.1520	Silt Fence Maintenance	LF	4,872.000	4,872.000
0222	628.1530.S	Silt Fence Heavy Duty	LF	833.000	833.000
0224	628.1535.S	Silt Fence Heavy Duty Maintenance	LF	833.000	833.000
0226	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0228	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0230	628.2008	Erosion Mat Urban Class I Type B	SY	8,326.000	8,326.000
0232	628.2027	Erosion Mat Class II Type C	SY	340.000	340.000
0234	628.6505	Soil Stabilizer Type A	ACRE	0.100	0.100
0236	628.7005	Inlet Protection Type A	EACH	35.000	35.000
0238	628.7015	Inlet Protection Type C	EACH	23.000	23.000
0240	628.7504	Temporary Ditch Checks	LF	188.000	188.000
0242	628.7555	Culvert Pipe Checks	EACH	8.000	8.000
0244	628.7570	Rock Bags	EACH	154.000	154.000
0246	629.0210	Fertilizer Type B	CWT	11.000	11.000
0248	630.0130	Seeding Mixture No. 30	LB	56.000	56.000
0250	630.0400	Seeding Nurse Crop	LB	3.000	3.000
0252	630.0500	Seed Water	MGAL	190.000	190.000
0254	633.5200	Markers Culvert End	EACH	7.000	7.000
0256	634.0618	Posts Wood 4x6-Inch x 18-FT	EACH	43.000	43.000
0258	637.2210	Signs Type II Reflective H	SF	378.960	378.960
0260	638.2602	Removing Signs Type II	EACH	49.000	49.000
0262	638.3000	Removing Small Sign Supports	EACH	37.000	37.000
0264	642.5001	Field Office Type B	EACH	1.000	1.000
0266	643.0300	Traffic Control Drums	DAY	4,320.000	4,320.000
0268	643.0420	Traffic Control Barricades Type III	DAY	4,920.000	4,920.000
0270	643.0705	Traffic Control Warning Lights Type A	DAY	9,360.000	9,360.000
0272	643.0715	Traffic Control Warning Lights Type C	DAY	1,320.000	1,320.000
0274	643.0900	Traffic Control Signs	DAY	33,240.000	33,240.000
0276	643.0920	Traffic Control Covering Signs Type II	EACH	17.000	17.000
0278	643.1000	Traffic Control Signs Fixed Message	SF	68.000	68.000
0280	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0282	643.5000	Traffic Control	EACH	1.000	1.000
0284	644.1810	Temporary Pedestrian Barricade	LF	25.000	25.000
0286	645.0120	Geotextile Type HR	SY	551.000	551.000
0288	645.0220	Geogrid Type SR	SY	2,020.000	2,020.000
0290	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	280.000	280.000
0292	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	410.000	410.000
0294	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	34,477.000	34,477.000

2565-03-73

Line	Item	Item Description	Unit	Total	Qty
0296	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	1,065.000	1,065.000
0298	646.5020	Marking Arrow Epoxy	EACH	11.000	11.000
0300	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0302	646.6120	Marking Stop Line Epoxy 18-Inch	LF	424.000	424.000
0304	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	17.000	17.000
0306	646.7120	Marking Diagonal Epoxy 12-Inch	LF	182.000	182.000
0308	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,100.000	1,100.000
0310	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	120.000	120.000
0312	646.8105	Marking Curb Paint	LF	147.000	147.000
0314	646.8220	Marking Island Nose Epoxy	EACH	5.000	5.000
0316	646.9200	Marking Removal Line Wide	LF	150.000	150.000
0318	650.4000	Construction Staking Storm Sewer	EACH	26.000	26.000
0320	650.4500	Construction Staking Subgrade	LF	5,490.000	5,490.000
0322	650.5000	Construction Staking Base	LF	8,790.000	8,790.000
0324	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	1,440.000	1,440.000
0326	650.6000	Construction Staking Pipe Culverts	EACH	4.000	4.000
0328	650.8000	Construction Staking Resurfacing Reference	LF	10,490.000	10,490.000
0330	650.8501	Construction Staking Electrical Installations (project) 01. 2565-03-73	EACH	1.000	1.000
0332	650.9000	Construction Staking Curb Ramps	EACH	19.000	19.000
0334	650.9500	Construction Staking Sidewalk (project) 01. 2565-03-73	EACH	3.000	3.000
0336	650.9911	Construction Staking Supplemental Control (project) 01. 2565-03-73	EACH	1.000	1.000
0338	650.9920	Construction Staking Slope Stakes	LF	8,790.000	8,790.000
0340	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	68.000	68.000
0342	653.0900	Adjusting Pull Boxes	EACH	2.000	2.000
0344	654.0101	Concrete Bases Type 1	EACH	3.000	3.000
0346	655.0230	Cable Traffic Signal 5-14 AWG	LF	401.000	401.000
0348	657.0100	Pedestal Bases	EACH	3.000	3.000
0350	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	3.000	3.000
0352	658.0416	Pedestrian Signal Face 16-Inch	EACH	6.000	6.000
0354	658.0500	Pedestrian Push Buttons	EACH	6.000	6.000
0356	658.5070	Signal Mounting Hardware (location) 01. STH 57 & Range Line Road	EACH	1.000	1.000
0358	690.0150	Sawing Asphalt	LF	101.000	101.000
0360	690.0250	Sawing Concrete	LF	3,840.000	3,840.000
0362	706.0110	Nuclear Gauge Correlation Strip - HMA, SMA	EACH	4.000	4.000
0364	706.2005	Incentive Density PWL HMA Pavement	DOL	7,970.000	7,970.000
0366	707.0020	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0368	740.0440	Incentive IRI Ride	DOL	7,940.000	7,940.000
0370	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0372	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,600.000	3,600.000
0374	SPV.0035	Special 01. Backfill Slurry	CY	31.000	31.000
0376	SPV.0035	Special 02. Clear Stone Bed	CY	29.000	29.000
0378	SPV.0035	Special 03. Channel Bed Material	CY	40.000	40.000
0380	SPV.0060	Special 01. Transpt Traffic Signal & Inter Lighting Materials	EACH	1.000	1.000
0382	SPV.0060	Special 02. Marking Contrast Epoxy Special Marking Word	EACH	2.000	2.000
0384	SPV.0060	Special 03. Marking Contrast Epoxy Special Marking Arrow	EACH	6.000	6.000
0386	SPV.0060	Special 04. Adjusting Water Valve Boxes	EACH	2.000	2.000
0388	SPV.0085	Special 01. Bank Seed Mix	LB	2.000	2.000
0390	SPV.0090	Special 01. Ditch Cleaning	LF	19.000	19.000
0392	SPV.0090	Special 02. Profile Curb Cut	LF	139.000	139.000

						2565-03-73
0394	SPV.0195	Special 01. Asphaltic Repair	TON	1,800.000	1,800.000	

GRUBBING

CATEGORY	STATION - STATION	201.0205 GRUBBING STA
1000	94+30 - 96+45	3
	97+60 - 98+10	2
	129+17 - 129+48	1
	138+80 - 138+99	1
	CATEGORY 1000 TOTALS	7
2000	31+70 - 32+05	2
	34+15 - 34+30	1
	35+95 - 36+60	2
	37+20 - 37+75	1
	39+00 - 44+75	6
	45+30 - 54+05	10
	55+80 - 64+95	10
	65+60 - 72+95	8
	CATEGORY 2000 TOTALS	40
2100	73+85 - 75+25	3
	CATEGORY 2100 TOTALS	3
2200	133+50 - 136+85	4
	CATEGORY 2200 TOTALS	4
	ALL CATEGORY TOTALS	54

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	204.0100 SY
1000	30+63 - 56+00	---
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	740
	CATEGORY 1000 TOTAL	740
2000	30+63 - 56+00	1,020
	56+00 82+00	70
	82+00 - 110+00	---
	110+00 - 140+47	---
	CATEGORY 2000 TOTAL	1,090
	ALL CATEGORY TOTAL	1,830

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	204.0155 SY
2000	30+63 - 56+00	43
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	---
	CATEGORY 2000 TOTAL	43
2200	30+63 - 56+00	---
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	31
	CATEGORY 2200 TOTAL	31
	ALL CATEGORY TOTAL	74

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION - STATION	204.0115 BUTT JOINTS SY
1000	30+63 - 56+00	61
	56+00 - 82+00	65
	82+00 - 110+00	35
	110+00 - 140+47	65
	TOTAL	226

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION - STATION	204.0120 SY
1000	30+63 - 56+00	12,300
	56+00 82+00	13,700
	82+00 - 110+00	13,800
	110+00 - 140+47	18,100
	CATEGORY 1000 TOTAL	57,900

REMOVING CONCRETE CURB AND GUTTER

CATEGORY	STATION - STATION	204.0150 LF
1000	30+63 - 56+00	---
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	290
	CATEGORY 1000 TOTAL	290
2000	30+63 - 56+00	140
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	---
	CATEGORY 2000 TOTAL	140
2100	30+63 - 56+00	---
	56+00 - 82+00	13
	82+00 - 110+00	---
	110+00 - 140+47	---
	CATEGORY 2100 TOTAL	13
	ALL CATEGORY TOTAL	443

REMOVING FENCE

CATEGORY	STATION - STATION	204.0170 LF
2000	30+63 - 56+00	69
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	---
	TOTAL	69

EXCAVATING STONE PILES AND STONE FENCES

CATEGORY	STATION - STATION	LOCATION	205.0300 CY
2000	30+63 - 56+00	RT	180
	56+00 - 82+00		---
	82+00 - 110+00		---
	110+00 - 140+47		---
	TOTAL		180

EARTHWORK SUMMARY

CATEGORY	STATION FROM		STATION TO	LOCATION	205.0100 EXCAVATION COMMON (1) + CUT (2) CY	205.0100 EXCAVATION COMMON (1) + EBS (3) EXCAVATION+ CY	SALVAGED/ UNUSABLE PAVEMENT MATERIAL (4) CY	AVAILABLE MATERIAL (5) CY	UNEXPANDED FILL CY	EXPANDED FILL (13) FACTOR 1.67 CY	MASS ORDINATE ± (14) CY
1000	93+50	-	98+00	GUARDRAIL REPLACEMENT	87	--	--	87	145	242	(155)
	110+35	-	110+55	CULVERT REPLACEMENT	61	--	42	19	--	--	19
	11+00	-	11+90	STREAM RELOCATION	390	--	--	390	--	--	390
				SUB-TOTALS	538	--	42	496	145	242	253
				CATEGORY 1000 TOTALS		538					
2000	30+64	-	36+78	SOUTH SIDEWALK	384	--	185	199	89	149	50
	200+44	-	236+42	MULTIUSE PATH	1176	--	226	950	297	498	452
				SUB-TOTALS	1,560	--	411	1,149	386	646	503
				CATEGORY 2000 TOTALS		1,560					
2100	300+00	-	304+10	MULTIUSE PATH, BROWN DEER PARK	96	--	--	96	18	30	66
				SUB-TOTALS	96	--	--	96	18	30	66
				CATEGORY 2100 TOTALS		96					
2200	132+84	-	140+46	NORTH SIDEWALK	196	--	4	192	22	37	155
				SUB-TOTALS	196	--	4	192	22	37	155
				CATEGORY 2200 TOTALS		196					
				ALL CATEGORY TOTALS		2,390					977

+ ADDITIONAL QUANTITIES LISTED ELSEWHERE

NOTES
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN. SOILS REMOVED AS EBS MUST BE WASTED OFFSITE AND NOT REUSED AS FILL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.67; EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE STAGE. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE STAGE. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE STAGE.

BASE AGGREGATE

CATEGORY	STATION - STATION			305.0110 DENSE 3/4-INCH TON	305.0120 DENSE 1 1/4-INCH TON
1000	30+63	-	56+00	270	--
	56+00		82+00	490	--
	82+00	-	110+00	420	--
	110+00	-	140+47	230	300
	CATEGORY 1000 TOTALS			1,410	300
2000	30+63	-	56+00	--	1,510
	56+00		82+00	--	800
	82+00	-	110+00	--	--
	110+00	-	140+47	--	--
	CATEGORY 2000 TOTALS			--	2,310
2100	30+63	-	56+00	--	--
	56+00		82+00	--	200
	82+00	-	110+00	--	--
	110+00	-	140+47	--	--
	CATEGORY 2100 TOTALS			--	200
2200	30+63	-	56+00	--	--
	56+00		82+00	--	--
	82+00	-	110+00	--	--
	110+00	-	140+47	--	220
	CATEGORY 2200 TOTALS			--	220
	ALL CATEGORY TOTALS			1,410	3,030

SELECT CRUSHED MATERIAL

CATEGORY	STATION - STATION			312.0110 TON
1000	30+63	-	56+00	--
	56+00		82+00	--
	82+00	-	110+00	--
	110+00	-	140+47	410
	TOTAL			410

CONCRETE BASE

CATEGORY	STATION - STATION	320.0155 9 INCH SY
1000	30+63 - 56+00	--
	56+00 - 82+00	--
	82+00 - 110+00	--
	110+00 - 140+47	290
	CATEGORY 1000 TOTAL	290
2000	30+63 - 56+00	742
	56+00 - 82+00	38
	82+00 - 110+00	--
	110+00 - 140+47	--
	CATEGORY 2000 TOTAL	780
	ALL CATEGORY TOTAL	1,070

BASE PATCHING

CATEGORY	STATION - STATION	390.0100 REMOVING PAVEMENT FOR BASE PATCHING CY	390.0305 BASE PATCHING CONCRETE HES CY	416.0610 DRILLED TIE BARS* EACH	416.0620 DRILLED DOWEL BARS* EACH	416.0750.S CONCRETE PAVEMENT PARTIAL DEPTH REPAIR JOINT REPAIR LF	416.0752.S CONCRETE PAVEMENT PARTIAL DEPTH REPAIR CRACK REPAIR LF	SPV.0195.01 ASPHALTIC REPAIR TON	455.0605 TACK COAT* GAL	205.0100 EXCAVATION COMMON* CY	311.0110 BREAKER RUN TON
1000	30+63 - 56+00	--	--	--	--	80	80	470	160	--	--
	56+00 - 82+00	--	--	--	--	10	10	30	10	--	--
	82+00 - 110+00	--	--	--	--	40	40	240	80	--	--
	110+00 - 140+47	260	260	207	496	100	100	540	180	340	600
	UNDISTRIBUTED	240	240	196	469	90	90	520	180	330	570
	TOTALS	500	500	403	965	320	320	1,800	610	670	1,170

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

TACK COAT

CATEGORY	STATION - STATION	455.0605* GAL
1000	30+63 - 56+00	1,400
	56+00 - 82+00	1,500
	82+00 - 110+00	1,500
	110+00 - 140+47	1,900
	TOTAL	6,300

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION - STATION	465.0120 TON
2000	30+63 - 56+00	51
	56+00 - 82+00	--
	82+00 - 110+00	--
	110+00 - 140+47	--
	TOTAL	51

FLUMES

CATEGORY	STATION - STATION	602.3010 CONCRETE SURFACE DRAINS CY	465.0315 ASPHALTIC SY
1000	30+63 - 56+00	---	---
	56+00 - 82+00	2	---
	82+00 - 110+00	---	---
	110+00 - 140+47	---	---
	CATEGORY 1000 TOTALS	2	---
2000	30+63 - 56+00	---	11
	56+00 - 82+00	---	---
	82+00 - 110+00	---	---
	110+00 - 140+47	---	---
	CATEGORY 2000 TOTALS	---	11
	ALL CATEGORY TOTALS	2	11

ASPHALTIC SURFACE

CATEGORY	STATION - STATION	465.0105 TON	465.0125 TEMPORARY TON
1000	30+63 - 56+00	--	3
	56+00 - 82+00	--	2
	82+00 - 110+00	--	--
	110+00 - 140+47	--	3
	UNDISTRIBUTED	--	--
	CATEGORY 1000 TOTALS	--	8
2000	30+63 - 56+00	335	--
	56+00 - 82+00	300	--
	82+00 - 110+00	--	--
	110+00 - 140+47	--	--
	UNDISTRIBUTED	95	--
	CATEGORY 2000 TOTALS	730	--
2100	30+63 - 56+00	--	--
	56+00 - 82+00	85	--
	82+00 - 110+00	--	--
	110+00 - 140+47	--	--
	UNDISTRIBUTED	13	--
	CATEGORY 2100 TOTALS	98	--
	ALL CATEGORY TOTALS	828	8

LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS INCHES	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
DRIVING LANE LT/RT	31+00 - 40+00, 124+00 - 137+82	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1144	1.75	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
DRIVING LANE LT/RT	31+00 - 40+00, 124+00 - 137+82	LOWER LAYER	EXISTING CONCRETE PAVEMENT	3 MT 58-28 S	1471	2.25	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
DRIVING LANE LT/RT	40+00 - 124+00	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	2413	1.75	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
DRIVING LANE LT/RT	40+00 - 124+00	LOWER LAYER	EXISTING ASPHALT PAVEMENT	3 MT 58-28 S	3102	2.25	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
SHOULDERS LT/RT	33+60 - 129+66	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	714	1.75	DEPARTMENT ACCEPTANCE	DEPARTMENT ACCEPTANCE NUCLEAR GAUGE (UNCORRELATED)
SHOULDERS LT/RT	33+60 - 129+66	LOWER LAYER	EXISTING BASE AGGREGATE	3 MT 58-28 S	918	2.25	DEPARTMENT ACCEPTANCE	DEPARTMENT ACCEPTANCE NUCLEAR GAUGE (UNCORRELATED)
SHOULDERS, SIDEROADS LT/RT	31+25 - 137+82	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	1435	1.75	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
SHOULDERS, SIDEROADS LT/RT	31+25 - 137+82	LOWER LAYER	EXISTING ASPHALT PAVEMENT	3 MT 58-28 S	1846	2.25	PWL LITE	PWL NUCLEAR GAUGE (CORRELATED)
CULVERT PATCHING	VARIOUS	MIDDLE LAYER	EXISTING ASPHALT PAVEMENT	3 MT 58-28 S	15	3	SMALL QUANTITIES	ORDINARY COMPACTION
CULVERT PATCHING	VARIOUS	LOWER LAYER	CONCRETE PAVEMENT	3 MT 58-28 S	15	3	SMALL QUANTITIES	ORDINARY COMPACTION
PATCHING	VARIOUS	LOWER LAYER	EXISTING CONCRETE PAVEMENT	ASPHALTIC REPAIR (ASPHALTIC SURFACE WITH NO. 3 AGGREGATE BLEND)	1789	6	DEPARTMENT ACCEPTANCE	ORDINARY COMPACTION
DRIVEWAYS	VARIOUS	UPPER LAYER	EXISTING BASE AGGREGATE	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	51	3 (MATCH EX.)	SMALL QUANTITIES	ORDINARY COMPACTION
PATH	VARIOUS	UPPER LAYER	BASE AGGREGATE	ASPHALTIC SURFACE	720	3	DEPARTMENT ACCEPTANCE	ORDINARY COMPACTION
VARIOUS	VARIOUS	UPPER LAYER	EXISTING ASPHALT PAVEMENT	ASPHALTIC SURFACE TEMPORARY	21	4	SMALL QUANTITIES	ORDINARY COMPACTION

HMA PAVEMENT

CATEGORY	STATION - STATION	LOCATION	450.6223 3 MT 58-28 S TON	450.6224 4 MT 58-28 S TON
1000	30+63 - 56+00	LT/RT	1,570	1,220
	56+00 - 82+00	LT/RT	1,660	1,290
	82+00 - 110+00	LT/RT	1,680	1,310
	110+00 - 140+47	LT/RT	2,080	1,620
	UNDISTRIBUTED		350	272
	TOTALS		7,340	5,710

CONCRETE PAVEMENT

CATEGORY	STATION	-	STATION	415.0085 8 1/2 INCH SY	415.0090 9 INCH SY
1000	30+63	-	56+00	--	32
	56+00		82+00	--	--
	82+00	-	110+00	--	--
	110+00	-	140+47	347	--
	TOTALS			347	32

PAVEMENT BARS

CATEGORY	STATION	-	STATION	LOCATION	416.0610 DRILLED TIE BARS* EACH	416.0620 DRILLED DOWEL BARS* EACH
1000	30+63	-	56+00	LT/RT	--	--
	56+00		82+00	LT/RT	5	58
	82+00	-	110+00	LT/RT	--	--
	110+00	-	140+47	LT/RT	77	191
	CATEGORY 1000 TOTALS				82	249
2000	30+63	-	56+00	LT/RT	331	139
	56+00		82+00	LT/RT	44	--
	82+00	-	110+00	LT/RT	--	--
	110+00	-	140+47	LT/RT	--	--
	CATEGORY 2000 TOTALS				375	139
	ALL CATEGORY TOTALS				457	388

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

CONCRETE CURB & GUTTER

CATEGORY	STATION - STATION			601.0331 31-INCH LF	601.0409 30-INCH TYPE A LF
1000	30+63	-	56+00	---	---
	56+00		82+00	---	---
	82+00	-	110+00	---	---
	110+00	-	140+47	129	272
	CATEGORY 1000 TOTALS			129	272
2000	30+63	-	56+00	920	---
	56+00		82+00	103	---
	82+00	-	110+00	---	---
	110+00	-	140+47	---	---
	CATEGORY 2000 TOTALS			1,023	---
	ALL CATEGORY TOTALS			1,152	272

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION - STATION	601.0600 LF
2000	30+63 - 56+00	40
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	---
	TOTAL	40

SIDEWALK ITEMS

CATEGORY	STATION	-	STATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500.01 CONSTRUCTION STAKING SIDEWALK EACH
1000	30+63	-	56+00	---	---	---	---	---
	56+00		82+00	1,320	---	---	6	---
	82+00	-	110+00	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---
	CATEGORY 1000 TOTALS			1,320	---	---	6	---
2000	30+63	-	56+00	5,320	100	49	10	1
	56+00		82+00	510	---	46	2	---
	82+00	-	110+00	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---
	CATEGORY 2000 TOTALS			5,830	100	95	12	1
2100	30+63	-	56+00	---	---	---	---	---
	56+00		82+00	---	110	19	---	1
	82+00	-	110+00	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---
	CATEGORY 2100 TOTALS			---	110	19	---	1
2200	30+63	-	56+00	---	---	---	---	---
	56+00		82+00	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---
	110+00	-	140+47	4,900	---	19	1	1
	CATEGORY 2200 TOTALS			4,900	---	19	1	1
	ALL CATEGORY TOTALS			12,050	210	133	19	3

CONCRETE DRIVEWAY

CATEGORY	STATION - STATION			602.0810 6-INCH SY	602.0820 8-INCH SY
2000	30+63	-	56+00	55	25
	56+00		82+00	---	---
	82+00	-	110+00	---	---
	110+00	-	140+47	---	---
	TOTALS			55	25

GUARDRAIL

CATEGORY	STATION	-	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.0397 GUARDRAIL MOW STRIP EMULSIFIED ASPHALT SY	614.0951 REPLACING GUARDRAIL RAIL AND HARDWARE LF	614.2500 MGS THRIE BEAM TRANSITION LF	MGS GUARDRAIL 614.2300 3 LF	614.2340 3 L LF	614.2350 SHORT RADIUS LF	614.2610 TERMINAL EAT EACH	614.2630 SHORT RADIUS TERMINAL EACH
1000	30+63	-	56+00		---	---	---	---	---	---	---	---	---
	56+00	-	83+00		---	---	---	---	---	---	---	---	---
	94+28	-	96+96	RT	283	156	38	75	149	---	31	1	1
	95+42	-	97+57	LT	251	152	---	---	75	66	54	2	---
	110+00	-	140+47		---	---	---	---	---	---	---	---	---
	TOTALS				534	308	38	75	224	66	85	3	1

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100* TOPSOIL SY	628.2027 EROSION MAT CLASS II TYPE C SY	628.6505 SOIL STABILIZER TYPE A ACRE	630.0130* SEEDING MIXTURE NO. 30 LB	SPV.0085.01 BANK SEED MIX LB	630.0400 SEEDING NURSE CROP LB
1000	139+21	LT	270	270	0.10	7	1	2
	UNDISTRIBUTED		--	70	--	2	1	1
	CATEGORY 1000 TOTALS		270	340	0.10	9	2	3

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100* TOPSOIL SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0130* SEEDING MIXTURE NO. 30 LB	630.0500 SEED WATER MGAL
1000	30+63 - 56+00	LT/RT	--	--	--	--	--
	56+00 - 82+00	LT/RT	--	--	--	--	--
	82+00 - 110+00	LT/RT	480	480	1	3	11
	110+00 - 140+47	LT/RT	710	710	1	4	16
	UNDISTRIBUTED		298	298	1	2	7
	CATEGORY 1000 TOTALS		1,488	1,488	3	9	34
2000	30+63 - 56+00	LT/RT	2,890	2,890	2	15	65
	56+00 - 82+00	LT/RT	1,720	1,720	1	9	39
	82+00 - 110+00	LT/RT	--	--	--	--	--
	110+00 - 140+47	LT/RT	--	--	--	--	--
	UNDISTRIBUTED		1,153	1,153	1	6	26
	CATEGORY 2000 TOTALS		5,763	5,763	4	30	130
2100	30+63 - 56+00	LT/RT	--	--	--	--	--
	56+00 - 82+00	LT/RT	440	440	1	3	10
	82+00 - 110+00	LT/RT	--	--	--	--	--
	110+00 - 140+47	LT/RT	--	--	--	--	--
	UNDISTRIBUTED		110	110	1	1	3
	CATEGORY 2100 TOTALS		550	550	2	4	13
2200	30+63 - 56+00	LT/RT	--	--	--	--	--
	56+00 - 82+00	LT/RT	--	--	--	--	--
	82+00 - 110+00	LT/RT	--	--	--	--	--
	110+00 - 140+47	LT/RT	420	420	1	3	10
	UNDISTRIBUTED		105	105	1	1	3
	CATEGORY 2200 TOTALS		525	525	2	4	13
	ALL CATEGORY TOTALS		8,326	8,326	11	47	190

* ADDITIONAL QUANTITY SHOWN ELSEWHERE

SILT FENCE

CATEGORY	STATION - STATION	LOCATION	628.1504 LF	628.1520 MAINTENANCE LF	628.1530.S HEAVY DUTY LF	628.1535.S HEAVY DUTY MAINTENANCE LF
1000	30+63 - 56+00	LT/RT	--	--	--	--
	56+00 - 82+00	LT/RT	--	--	--	--
	82+00 - 110+00	LT/RT	291	291	288	288
	110+00 - 140+47	LT/RT	--	--	200	200
	UNDISTRIBUTED		73	73	122	122
	CATEGORY 1000 TOTALS		364	364	610	610
2000	30+63 - 56+00	LT/RT	1,201	1,201	--	--
	56+00 - 82+00	LT/RT	1,514	1,514	--	--
	82+00 - 110+00	LT/RT	--	--	--	--
	110+00 - 140+47	LT/RT	--	--	--	--
	UNDISTRIBUTED		680	680	--	--
	CATEGORY 2000 TOTALS		3,395	3,395	--	--
2100	30+63 - 56+00	LT/RT	--	--	--	--
	56+00 - 82+00	LT/RT	480	480	--	--
	82+00 - 110+00	LT/RT	--	--	--	--
	110+00 - 140+47	LT/RT	--	--	--	--
	UNDISTRIBUTED		120	120	--	--
	CATEGORY 2100 TOTALS		600	600	--	--
2200	30+63 - 56+00	LT/RT	--	--	--	--
	56+00 - 82+00	LT/RT	--	--	--	--
	82+00 - 110+00	LT/RT	--	--	--	--
	110+00 - 140+47	LT/RT	410	410	178	178
	UNDISTRIBUTED		103	103	45	45
	CATEGORY 2200 TOTALS		513	513	223	223
	ALL CATEGORY TOTALS		4,872	4,872	833	833

INLET PROTECTION

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
1000	30+63 - 56+00	LT/RT	--	10
	56+00 - 82+00	LT/RT	--	--
	82+00 - 110+00	LT/RT	--	--
	110+00 - 140+47	LT/RT	5	8
	UNDISTRIBUTED		2	5
	CATEGORY 1000 TOTALS		7	23
2000	30+63 - 56+00	LT/RT	18	--
	56+00 - 82+00	LT/RT	4	--
	82+00 - 110+00	LT/RT	--	--
	110+00 - 140+47	LT/RT	--	--
	UNDISTRIBUTED		6	--
	CATEGORY 2000 TOTALS		28	--
	ALL CATEGORY TOTALS		35	23

MOBILIZATIONS EROSION CONTROL

CATEGORY	STATION - STATION	628.1905 EACH
1000	30+63 - 140+47	5

MOBILIZATIONS EMERGENCY EROSION CONTROL

CATEGORY	STATION - STATION	628.1910 EACH
1000	30+63 - 140+47	4

EROSION CONTROL

CATEGORY	STATION - STATION	LOCATION	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECK EACH	628.7570 ROCK BAGS EACH
1000	30+63 - 56+00	LT/RT	120	4	48
	56+00 - 82+00	LT/RT	--	--	--
	82+00 - 110+00	LT/RT	30	--	40
	110+00 - 140+47	LT/RT	--	2	35
	UNDISTRIBUTED		38	2	31
	TOTALS		188	8	154

3

RIPRAP & GEOTEXTILE

CATEGORY	STATION	OFFSET	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300* RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
1000	44+32	33.8'	LT	2	---	6
	47+04	56.58'	RT	3	---	11
	55+57	33.28'	LT	2	---	6
	66+45	35.86'	RT	3	---	11
	72+80	29.23'	LT	4	---	14
	73+07	62.38'	RT	5	---	15
	93+87	41.18'	RT	5	---	17
	110+39	66.76'	RT	9	---	27
	139+21	88.23	LT	---	145	370
	139+47	103.06'	LT	17	---	50
	140+40	77.45'	RT	8	---	24
	TOTALS			58	145	551

*ADDITIONAL QUANTITY SHOWN ELSEWHERE

MARKING REMOVAL

CATEGORY	STAGE	STATION		STATION	646.9200 LINE WIDE LF
1000	1	30+63	-	56+00	---
		56+00	-	82+00	---
		82+00	-	110+00	---
		110+00	-	140+47	150
		TOTALS			150

TRAFFIC CONTROL AND DETOUR ITEMS

CATEGORY	Stage	Calendar Days	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
1000	1	120	4,320	1,080	1,680	1,320	6,120	---	45	14	25
	SIDEROAD	120	---	3,840	7,680	---	5,760	---	---	---	---
	DETOUR	120	---	---	---	---	21,360	17	23	---	---
	TOTALS		4,320	4,920	9,360	1,320	33,240	17	68	14	25

PERMANENT PAVEMENT MARKING ITEMS

CATEGORY	STATION		STATION	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH DOUBLE YELLOW LF	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH 12.5-FOOT SEG. 37.5-FOOT GAP LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH WHITE LF	WHITE SKIP 12.5-FOOT SEG. 37.5-FOOT GAP LF	WHITE SKIP 3-FOOT SEG. 9-FOOT GAP LF	YELLOW SKIP 12.5-FOOT SEG. 37.5-FOOT GAP LF	DOUBLE YELLOW LF	YELLOW LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE LF	WHITE SKIP 3-FOOT SEG. 9-FOOT GAP LF
1000	30+63	-	56+00	23	---	3,970	230	62	---	4,280	---	300	44
	56+00	-	82+00	30	---	4,340	---	8	130	3,870	480	350	81
	82+00	-	110+00	227	---	4,960	---	85	700	---	---	---	---
	110+00	-	140+47	---	410	5,620	410	42	270	1,510	3,510	290	---
	CATEGORY 1000 TOTALS			280	410			34,477				1,065	
2000	30+63	-	56+00	---	---	---	---	---	---	---	---	---	---
	56+00	-	82+00	---	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---	---	---	---	---	---
	CATEGORY 2000 TOTALS			---	---			---				---	
4000	30+63	-	56+00	---	---	---	---	---	---	---	---	---	---
	56+00	-	82+00	---	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---	---	---	---	---	---
	CATEGORY 4000 TOTALS			---	---			---				---	
	ALL CATEGORY TOTALS			280	410			34,477				1,065	

PERMANENT PAVEMENT MARKING ITEMS

CATEGORY	STATION		STATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	12-INCH YELLOW LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.8105 MARKING CURB PAINT YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	SPV.0060.02 MARKING CONTRAST EPOXY SPECIAL MARKING WORD EACH	SPV.0060.03 MARKING CONTRAST EPOXY SPECIAL MARKING ARROW EACH
1000	30+63	-	56+00	5	1	130	17	---	15	220	---	90	---	---	---
	56+00	-	82+00	6	---	95	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	89	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	110	---	140	27	130	---	57	5	2	6
	CATEGORY 1000 TOTALS			11	1	424	17	182		350	---	147	5	2	6
2000	30+63	-	56+00	---	---	---	---	---	---	190	---	---	---	---	---
	56+00	-	82+00	---	---	---	---	---	---	560	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---	---	---	---	---	---	---	---
	CATEGORY 2000 TOTALS			---	---	---	---	---		750	---		---		---
4000	30+63	-	56+00	---	---	---	---	---	---	---	120	---	---	---	---
	56+00	-	82+00	---	---	---	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---	---	---	---	---	---	---	---
	CATEGORY 4000 TOTALS			---	---	---	---	---		---	120	---	---	---	---
	ALL CATEGORY TOTALS			11	1	424	17	182		1,100	120	147	5	2	6

CONSTRUCTION STAKING

CATEGORY	STATION		STATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.8000 RESURFACING REFERENCE LF	650.8501 ELECTRICAL INSTALLATIONS (ID 3831-07-72) EACH	650.9911 SUPPLEMENTAL CONTROL (ID 2565-03-73) EACH	650.9920 SLOPE STAKING LF
1000	30+63	-	56+00	2,540	2,540	920	2,300	1	1	2,540
	56+00	-	82+00	2,100	2,100	110	2,600	---	---	2,100
	82+00	-	110+00	---	3,300	---	2,800	---	---	3,300
	110+00	-	140+47	850	850	410	2,790	---	---	850
			TOTALS	5,490	8,790	1,440	10,490	1	1	8,790

ADJUSTING PULL BOXES

CATEGORY	STATION	OFFSET	LOCATION	653.0900 EACH
4000	31+00.44	19.6'	RT	1
	31+07.89	9.1'	LT	1
	TOTAL			2

SAWING EXISTING PAVEMENT

CATEGORY	STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
1000	30+63	-	56+00	LT/RT	---	---
	56+00	-	82+00		---	30
	82+00	-	110+00		---	---
	110+00	-	140+47		24	2,360
	CATEGORY 1000 TOTALS				24	2,390
2000	30+63	-	56+00	LT/RT	77	1,310
	56+00	-	82+00		---	140
	82+00	-	110+00		---	---
	110+00	-	140+47		---	---
	CATEGORY 2000 TOTALS				77	1,450
	ALL CATEGORY TOTALS				101	3,840

NUCLEAR GAUGE CORRELATION STRIP - HMA, SMA

CATEGORY	PROJECT	706.0110 EACH
1000	2565-03-73	4
	TOTAL	4

BACKFILL SLURRY

CATEGORY	STATION - STATION	SPV.0035.01 CY
1000	30+63 - 56+00	--
	56+00 - 82+00	--
	82+00 - 110+00	--
	110+00 - 140+47	31
	TOTAL	31

ADJUSTING WATER VALVE BOXES

CATEGORY	STATION	OFFSET	LOCATION	SPV.0060.04 EACH
4000	36+71.59	55'	RT	1
	38+15.38	45'	RT	1
	TOTAL			2

DITCH CLEANING

CATEGORY	STATION - STATION	SPV.0090.01 LF
1000	30+63 - 56+00	--
	56+00 - 82+00	--
	82+00 - 110+00	--
	110+00 - 140+47	19
	TOTAL	19

PROFILE CURB CUT

CATEGORY	STATION - STATION	SPV.0090.02 LF
1000	36+63 - 56+00	---
	56+00 - 82+00	101
	82+00 - 110+00	---
	110+00 - 140+47	---
	CATEGORY 1000 TOTAL	101
2200	36+63 - 56+00	---
	56+00 - 82+00	---
	82+00 - 110+00	---
	110+00 - 140+47	38
	CATEGORY 2200 TOTAL	38
	ALL CATEGORY TOTAL	139

CROSS CULVERT PIPE SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	521.3115 CULVERT PIPE CORRUGATED STEEL 15-INCH LF	STEEL THICKNESS* (INCHES)	522.2338 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH LF
1000	EW 7	EW 8	---	---	68
	CATEGORY 1000 TOTALS		---		68
2000	EX EW 1	EW 3	16	0.064	---
	CATEGORY 2000 TOTALS		16		---
	ALL CATEGORY TOTALS		16		68

*NON-BID ITEM: FOR INFORMATION ONLY

REMOVING STORM SEWER SUMMARY

CATEGORY	STATION		STATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0220 REMOVING INLETS EACH	204.0245 REMOVING STORM SEWER .01 10-INCH LF	.02 12-INCH LF	.03 18-INCH LF	.04 30-INCH LF	.05 36-INCH LF	204.0291.S ABANDONING STORM SEWER PIPES LF	204.9060.S REMOVING APRON END WALL EACH	611.8110 ADJUSTING MANHOLE COVERS EACH
1000	30+63	-	56+00	2	---	---	---	---	---	---	---	---	---
	56+00		82+00	---	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	1	2	---	24	80	---	150	---	1	---
	CATEGORY 1000 TOTALS			3	2	---	24	80	---	150	---	1	---
2000	30+63	-	56+00	4	2	8	10	---	8	---	44	1	1
	56+00		82+00	---	---	---	---	---	---	---	---	---	---
	82+00	-	110+00	---	---	---	---	---	---	---	---	---	---
	110+00	-	140+47	---	---	---	---	---	---	---	---	---	---
	CATEGORY 2000 TOTALS			4	2	8	10	---	8	---	44	1	1
	ALL CATEGORY TOTALS			7	4	8	34	80	8	150	44	2	1

DRIVEWAY CULVERT PIPE SUMMARY

CATEGORY	STATION	LOCATION	521.3112 CULVERT PIPE CORRUGATED STEEL 12-INCH LF	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	521.3717 PIPE ARCH CORRUGATED STEEL 17X13-INCH	STEEL THICKNESS* (INCHES)	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	521.1018 APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	521.1217 APRON ENDWALLS FOR PIPE ARCH STEEL 17X13-INCH EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS** EACH
1000	38+48	RT	---	---	26	0.064	---	---	2	1
	41+73	LT	---	26	---	0.064	---	2	---	1
	46+73	LT	40	---	---	0.064	2	---	---	1
	CATEGORY 1000 TOTALS		40	26	26		2	2	2	3

*NON-BID ITEM: FOR INFORMATION ONLY
**ADDITIONAL QUANTITIES LISTED ELSEWHERE

CULVERT ITEMS

CATEGORY	STRUCT. ID#	STATION	OFFSET		521.1015 APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 15-INCH EACH	522.1018 18-INCH EACH	522.2638 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 38X60-INCH EACH	JOINT TIES* EACH	633.5200 MARKERS CULVERT END EACH	650.4000** CONSTRUCTION STAKING STORM SEWER EACH	650.6000** CONSTRUCTION STAKING PIPE CULVERTS EACH
1000	EW 7	110+45.37	23.3	' LT	---	---	---	---	1	3	1	---	1
	EW 8	110+44.86	44.8	' RT	---	---	---	---	1	3	1	---	---
	EW 10	129+64.44	39.3	' RT	---	---	---	1	---	3	1	1	---
	CATEGORY 1000 TOTALS				---	---	---	1	2	9	3	1	1
2000	EW 3	44+64.32	35.9	' LT	1	---	---	---	---	---	1	1	---
	EW 4	47+14.08	46.6	' RT	---	1	---	---	---	3	1	1	---
	EW 5	66+32.21	39.7	' RT	---	1	---	---	---	3	1	1	---
	EW 6	72+94.81	58.0	' RT	---	---	1	---	---	3	1	1	---
	CATEGORY 2000 TOTALS				1	2	1	---	---	9	4	4	---
	ALL CATEGORY TOTALS				1	2	1	1	2	18	7	5	1

*NON-BID ITEM: FOR INFORMATION ONLY
**ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
1000	EW 10	EX INL 3	---	---	---	---	---	---	10	2
	EX INL 3	EX INL 4	---	---	---	---	---	---	65	1
	INL 14	EX PIPE 1	8	---	---	---	---	---	---	1
	EX PIPE 2	INL 15	8	---	---	---	---	---	---	1
	INL 15	EX PIPE 3	8	---	---	---	---	---	---	1
	UNDISTRIBUTED		---	---	---	150	---	---	---	2
	CATEGORY 1000 TOTALS		24	0	0	150	0	0	75	8
2000	INL 1	INL 1.2	10	---	---	---	---	---	---	---
	INL 1.2	INL 1.1	---	---	72	---	---	---	---	---
	INL 2	INL 1.2	---	84	---	---	---	---	---	---
	INL 2.1	INL 2	12	---	---	---	---	---	---	---
	INL 3	INL 2	---	150	---	---	---	---	---	---
	INL 3.1	INL 3	---	---	---	---	13	---	---	---
	INL 4	INL 3	---	75	---	---	---	---	---	---
	INL 4.1	INL 4	12	---	---	---	---	---	---	---
	INL 5	INL 4	---	94	---	---	---	---	---	---
	INL 5.1	INL 5	11	---	---	---	---	---	---	---
	INL 6	INL 5	---	133	---	---	---	---	---	---
	INL 6.1	INL 6	14	---	---	---	---	---	---	---
	INL 7	INL 6	---	---	---	---	---	72	---	---
	INL 8	INL 7	---	---	---	---	32	---	---	---
	INL 10	EW 4	---	---	---	---	22	---	---	---
	INL 11	INL 10	---	---	---	---	203	---	---	---
	INL 12	EW 5	---	---	---	---	78	---	---	---
	INL 13	EW 6	---	---	---	---	---	67	---	---
	CATEGORY 2000 TOTALS		59	536	72	0	348	139	0	0
	ALL CATEGORY TOTALS		83	536	72	150	348	139	75	8

STORM SEWER ITEMS

CATEGORY	STRUCT. ID#	STATION	OFFSET		611.2005 MANHOLES 5-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0609 INLET COVERS TYPE B-A EACH	611.0610 INLET COVERS TYPE BW EACH	611.0645 INLET COVERS TYPE MS-A EACH	650.4000** CONSTRUCTION STAKING STORM SEWER EACH
1000	INL 14	135+16.2	33.7	' RT	---	1	---	---	---	1	---	---	---	1
	INL 15	135+66.5	33.7	' RT	---	1	---	---	---	1	---	---	---	1
	CATEGORY 1000 TOTALS				0	2	0	0	0	2	0	0	0	2
2000	INL 1	31+19.90	68.3	' RT	---	---	1	---	---	---	1	---	---	1
	INL 1.1	31+17.61	13.6	' LT	1	---	---	---	---	---	---	1	---	1
	INL 1.2	31+19.3	58.7	' RT	---	1	---	---	1	---	---	---	---	1
	INL 2	32+03.1	54.2	' RT	---	1	---	---	1	---	---	---	---	1
	INL 2.1	32+03.30	66.0	' RT	---	---	1	---	---	---	1	---	---	1
	INL 3	33+52.9	51.5	' RT	---	1	---	---	1	---	---	---	---	1
	INL 3.1	33+53.01	64.1	' RT	---	---	1	---	---	---	1	---	---	1
	INL 4	34+28.3	50.0	' RT	---	1	---	---	1	---	---	---	---	1
	INL 4.1	34+28.49	61.0	' RT	---	---	1	---	---	---	1	---	---	1
	INL 5	35+21.9	44.9	' RT	---	1	---	---	1	---	---	---	---	1
	INL 5.1	35+22.02	56.1	' RT	---	---	1	---	---	---	1	---	---	1
	INL 6	36+54.5	40.0	' RT	---	1	---	---	1	---	---	---	---	1
	INL 6.1	36+54.75	53.7	' RT	---	---	1	---	---	---	1	---	---	1
	INL 7	37+23.17	60.7	' RT	---	1	---	---	---	---	1	---	---	1
	INL 8	37+43.65	36.3	' RT	---	---	1	---	---	---	1	---	---	1
	INL 10	47+25.12	27.5	' RT	---	---	---	1	---	---	---	---	1	1
	INL 11	49+27.58	34.0	' RT	---	---	---	1	---	---	---	---	1	1
	INL 12	65+56.27	57.9	' RT	---	---	---	1	---	---	---	---	1	1
	INL 13	72+31.80	39.6	' RT	---	---	---	1	---	---	---	---	1	1
	CATEGORY 2000 TOTALS				1	7	7	4	6	0	8	1	4	19
	ALL CATEGORY TOTALS				1	9	7	4	6	2	8	1	4	21

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREAM SUMMARY

CATEGORY	STATION	LOCATION	606.0300* RIPRAP HEAVY CY	SPV.0035.02 CLEAR STONE BED CY	SPV.0035.03 CHANNEL BED MATERIAL CY
1000	139+21	LT	43	29	40
CATEGORY 1000 TOTALS			43	29	40

*ADDITIONAL QUANTITY SHOWN ELSEWHERE

TYPE II PERMANENT SIGNING

SIGN NO.	SIGN CODE AND (SIZE)	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H SF	634.0618 POSTS WOOD 4 X 6-INCH X 18-FT EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1-1	W4-2R(2M)	II	LANE ENDS	36	X	36	9	1	1	1	
1-2	J2-2(2M)	II		24	X	57	9.5	--	1	--	MOUNTED ON BACK OF 1-1
	M4-5	II	TO	24	X	12					
	M1-1	II	INTERSTATE 43	24	X	24					
	M6-1	II	LEFT ARROW	21	X	21					
	M3-2	II	EAST	24	X	12					
	M1-5A	II	COUNTY PP	24	X	24					
	M6-1	II	LEFT ARROW	21	X	21					
1-3	W4-2R(2M)	II	LANE ENDS	36	X	36	9	1	1	1	
1-4	W6-2(2M)	II	DIVIDED HIGHWAY	36	X	36	9	1	1	1	
1-5	JV(2M)	II		24	X	72	12	1	1	1	
	M3-1	II	NORTH	24	X	12					
	M1-6	II	57	24	X	24					
	M4-1	II	ALTERNATE	24	X	12					
	M1-1	II	INTERSTATE 43	24	X	24					
1-6	W11-2(2M)	II	PEDESTRIAN CROSSING	36	X	36	9	1	1	1	
1-7	W16-9P(2M)	II	AHEAD	18	X	30	3.75	--	1	--	MOUNTED BELOW 1-6
1-8	W11-2(2M)	II	PEDESTRIAN CROSSING	36	X	36	9	1	1	1	
1-9	W16-9P(2M)	II	AHEAD	18	X	30	3.75	--	1	--	MOUNTED BELOW 1-8
2-1	W1-6L(2M)	II	ARROW (LEFT)	48	X	24	8	1	--	--	
2-2	I55-56(2)	II	ADOPT A HIGHWAY	18	X	30	3.75	1	1	1	
2-3	I55-56S(2)	II	SEGMENT AVAILABLE	18	X	30	3.75	--	1	--	MOUNTED BELOW 2-2
2-4	R5-1(2M)	II	DO NOT ENTER	36	X	36	9	--	1		MOUNTED ON BACK OF 2-2
2-5	W5-54(2M)	II	IN ROAD OBJECT MARKER	18	X	18	2.25	--	--	--	MOUNT BELOW EXISTING R4-7
2-6	R1-1(2S)	II	STOP	30	X	30	5.18	1	1	1	
2-7	W1-6L(2S)	II	ARROW (LEFT)	48	X	24	8	1	--	--	
3-1	R2-1(2S)	II	SPEED LIMIT 40	24	X	30	5	1	--	--	
3-2	W6-1(2S)	II	DIVIDED HIGHWAY	36	X	36	9	1	1	1	
3-3	W11-2(2S)	II	PEDESTRIAN CROSSING	30	X	30	6.25	1	--	--	
3-4	W16-7L(2S)	II	YELLOW DIAGNAL ARROW	12	X	24	2	--	--	--	MOUNTED BELOW 3-3
3-5	W11-2(2S)	II	PEDESTRIAN CROSSING	30	X	30	6.25	1	--	--	
3-6	W16-7L(2S)	II	YELLOW DIAGNAL ARROW	12	X	24	2	--	--	--	MOUNTED BELOW 3-5
3-7	R1-1(2S)	II	STOP	30	X	30	5.18	1	1	1	
3-8	R1-1(2S)	II	STOP	30	X	30	5.18	1	1	1	
3-9	R2-1(2S)	II	SPEED LIMIT 40	24	X	30	5	1	1	1	
5-1	W11-2(2S)	II	PEDESTRIAN CROSSING	30	X	30	6.25	1	--	--	
5-2	W16-7L(2S)	II	YELLOW DIAGNAL ARROW	12	X	24	2	--	--	--	MOUNTED BELOW 5-1
5-3	W11-2(2S)	II	PEDESTRIAN CROSSING	30	X	30	6.25	1	--	--	
5-4	W16-7L(S2)	II	YELLOW DIAGNAL ARROW	12	X	24	2	--	--	--	MOUNTED BELOW 5-3
5-5	R2-1(2S)	II	SPEED LIMIT 40	24	X	30	5	1	1	1	
7-1	--	--	NEW TRAFFIC PATTERN AHEAD	--	X	--	--	--	1	1	
7-2	R1-1(2S)	II	STOP	30	X	30	5.18	1	1	1	
8-1	I2-3(2S)	II	GLENDALE POPULATION 13,357	60	X	24	10	2	1	2	
8-2	JV(2S)	II		24	X	72	12	1	1	--	MOUNTED ON SIGNAL POLE
	M3-3	II	SOUTH	24	X	12					
	M1-6	II	57	24	X	24					
	M4-1	II	ALTERNATE	24	X	12					
	M1-1	II	INTERSTATE 43	24	X	24					
8-3	J12-1(2S)	II		24	X	45	7.5	1	1	1	
	M1-6	II	57	24	X	24					
	M6-4	II	ARROW (LEFT/RIGHT)	21	X	21					
8-4	R3-8ER(2S)	II	LEFT/STRAIGHT ARROW, RIGHT TURN ONLY ARROW	36	X	30	7.5	1	1	1	
9-1	--	--	NEW TRAFFIC PATTERN AHEAD	--	X	--	--	--	1	1	
12-1	R1-1(2S)	II	STOP	30	X	30	5.18	1	1	1	
12-2	R2-1(2S)	II	SPEED LIMIT 40	24	X	30	5	1	1	1	
12-3	D1-61(2S)	II	BRADLEY ROAD, LEFT ARROW, RIGHT ARROW	66	X	24	11	2	1	2	
12-4	R5-2(2S)	II	NO TRUCK	24	X	24	4	--	1	--	MOUNTED BELOW 12-3
12-5	M6-4(2S)	II	DOUBLE ARROW	21	X	21	3.06	--	2	--	MOUNTED BELOW 12-4
17-1	R4-7(2M)	II	KEEP RIGHT	24	X	30	5	--	1	--	MOUNTED ON BACK OF EXISTING W14-3
17-2	W5-54(2M)	II	IN ROAD OBJECT MARKER	18	X	18	2.25	--	--	--	MOUNTED BELOW 17-1
17-3	R2-1(2M)	II	SPEED LIMIT 40	30	X	36	7.5	--	1	--	MOUNTED ON BACK OF EXISTING R5-1
17-4	R2-1(2M)	II	SPEED LIMIT 40	30	X	36	7.5	1	1	1	
18-1	R5-1(2M)	II	DO NOT ENTER	36	X	36	9	1	1	1	
18-2	R7-1R(2M)	II	NO PARKING ANY TIME, RIGHT ARROW	24	X	30	5	1	1	1	
18-3	W4-2R(2M)	II	LANE ENDS	36	X	36	9	1	1	1	

CONTINUE ON NEXT PAGE

TYPE II PERMANENT SIGNING

SIGN NO.	SIGN CODE AND (SIZE)	SIGN TYPE	SIGN MESSAGE	SIGN SIZE W [IN.]	X	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H SF	634.0618 POSTS WOOD 4 X 6-INCH X 18-FT EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
19-1	W9-1R(2M)	II	RIGHT LANE ENDS	36	X	36	9	1	1	1	
19-2	R6-2L(2M)	II	ONE WAY (LEFT)	30	X	36	7.5	1	1	1	
19-3	JV(2M)	II		24	X	69	11.5	1	1	1	
	M4-1	II	ALTERNATE	24	X	12					
	M3-1	II	NORTH	24	X	12					
	M1-1	II	INTERSTATE 43	24	X	24					
	M6-1	II	RIGHT ARROW	21	X	21					
19-4	R3-6U(2M)	II	LT + RT LANE CONTROL SYMBOL	42	X	48	14	--	1	--	MOUNTED ON OVERHEAD ARM
19-5	R2-1(2M)	II	SPEED LIMIT 40	30	X	36	7.5	1	1	1	
19-6	W11-15(2M)	II	BICYCLE/PEDESTRIAN CROSSING	36	X	36	9	1	1	1	
19-7	W16-9P(2M)	II	AHEAD	24	X	12	2	-	1		MOUNTED BELOW 19-6
19-8	I55-56(2)	II	ADOPT A HIGHWAY	18	X	30	3.75	1	1	1	
19-9	I55-56P(2)	II	PVE CORP, PVE SPORTS	30	X	18	3.75	--	1	--	MOUNTED BELOW 19-8
19-10	J4-1(2M)	II		24	X	36	6	1	1	1	
	M3-1	II	NORTH	24	X	12					
	M1-6	II	57	24	X	24					
19-11	W5-52R(2M)	II	STRIPED MARKER	12	X	36	3	1	1	1	4' MOUNT HEIGHT
19-12	R7-1L(2M)	II	NO PARKING ANY TIME, LEFT ARROW	24	X	30	5	1	1	1	
			CATEGORY 1000 TOTALS				378.96	43	49	37	

3

STH 57/GREEN BAY RD & RANGE LINE RD
MILWAUKEE COUNTY
CATEGORY XXXX
S40-1502

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB6	SB12	49
PB9	SB13	7
PB13	SB14	12
	TOTAL	68

CONCRETE BASES

SIGNAL BASE NO.	LOCATION ^	654.0101 CONCRETE BASES TYPE 1 EACH
SB12	73+07.4, 31.2' LT	1
SB13	73+72.3, 32.2' RT	1
SB14	72+74.4, 44.0' RT	1
	TOTAL	3

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

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
PB6	SB12	69
PB9	SB4	26
PB9	SB5	55
PB13	SB14	32
PB14	SB7	39
	TOTAL	221 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB12	HEAD 13	15
SB12	BUTTON	15
SB4	HEAD 14	15
SB13	BUTTON	15
SB5	HEAD 15	15
SB5	BUITTON	15
SB14	HEAD 16	15
SB14	BUTTON	15
SB7	HEAD 17	15
SB7	BUTTON	15
SB1	HEAD 18	15
SB1	BUTTON	15
	TOTAL	180 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH
SB12	1	1	1
SB13	1	1	1
SB14	1	1	1
TOTAL	3	3	3*

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	658.0500 PEDESTRIAN PUSH BUTTONS EACH
SB1	1
SB5	1
SB7	1
TOTAL	3*

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
13	SB12	1
14	SB4	1
15	SB5	1
16	SB14	1
17	SB7	1
18	SB1	1
	TOTAL	6

SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
STH 57/GREENBAY RD & RANGE LINE RD	1
TOTAL	1

TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0060.01 TRNSPT TRAFFIC SIGNAL & INTER LIGHTING MATERIALS EACH
STH 57/GREENBAY RD & RANGE LINE RD	1
TOTAL	1

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL (18, 23, 24, 26, 25, 6)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN (#1-25) — SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	▣	⊡

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

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

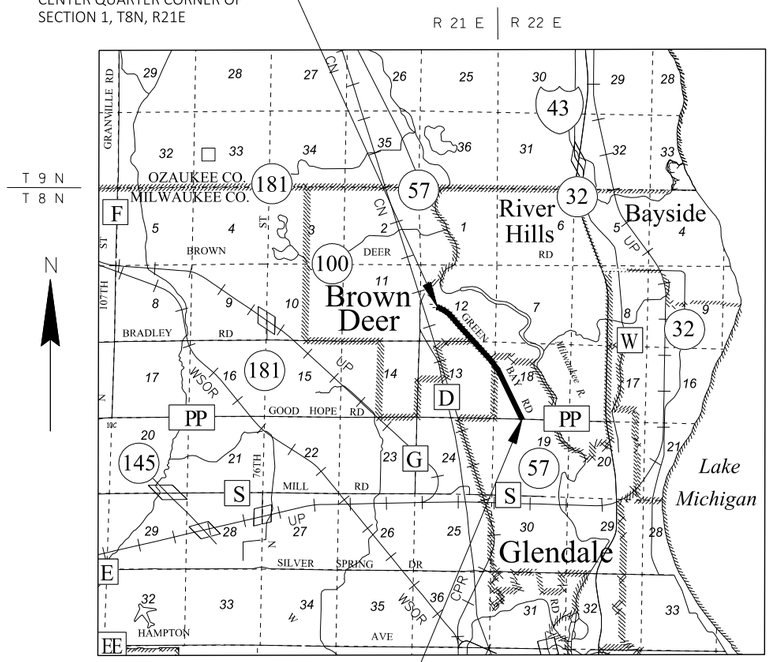
CONVENTIONAL ABBREVIATIONS

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

CURVE DATA

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

END RELOCATION ORDER
141.94 FEET SOUTH AND
1579.41 FEET WEST OF THE
CENTER QUARTER CORNER OF
SECTION 1, T8N, R21E



BEGIN RELOCATION ORDER
119.13 FEET NORTH AND
708.43 FEET WEST OF THE
SOUTH 1/4 CORNER OF
SECTION 18, T8N, R22E

LAYOUT
SCALE 0 — 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.90 MILES

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
2565-03-23		
FEDERAL PROJECT NUMBER	4.01	

PLAT OF RIGHT OF WAY REQUIRED FOR

C GLENDALE N GREEN BAY AVENUE
0.1 MI S OF FAIRLANE TO TEUTONIA

STH 57	MILWAUKEE COUNTY

CONSTRUCTION PROJECT NUMBER
2565-03-73

NOTES:

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

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

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

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

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

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

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

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

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

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

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

STRAND ASSOCIATES®
STRAND ASSOCIATES, INC.
910 West Wingra Drive
Madison, WI 53715
608-251-4843
www.strand.com

ORIGINAL PLAT PREPARED BY
WISCONSIN
HEATHER S. BARTELT
S-2797
MADISON
WI
LAND SURVEYOR
2/28/25 (DATE) (SIGNATURE)

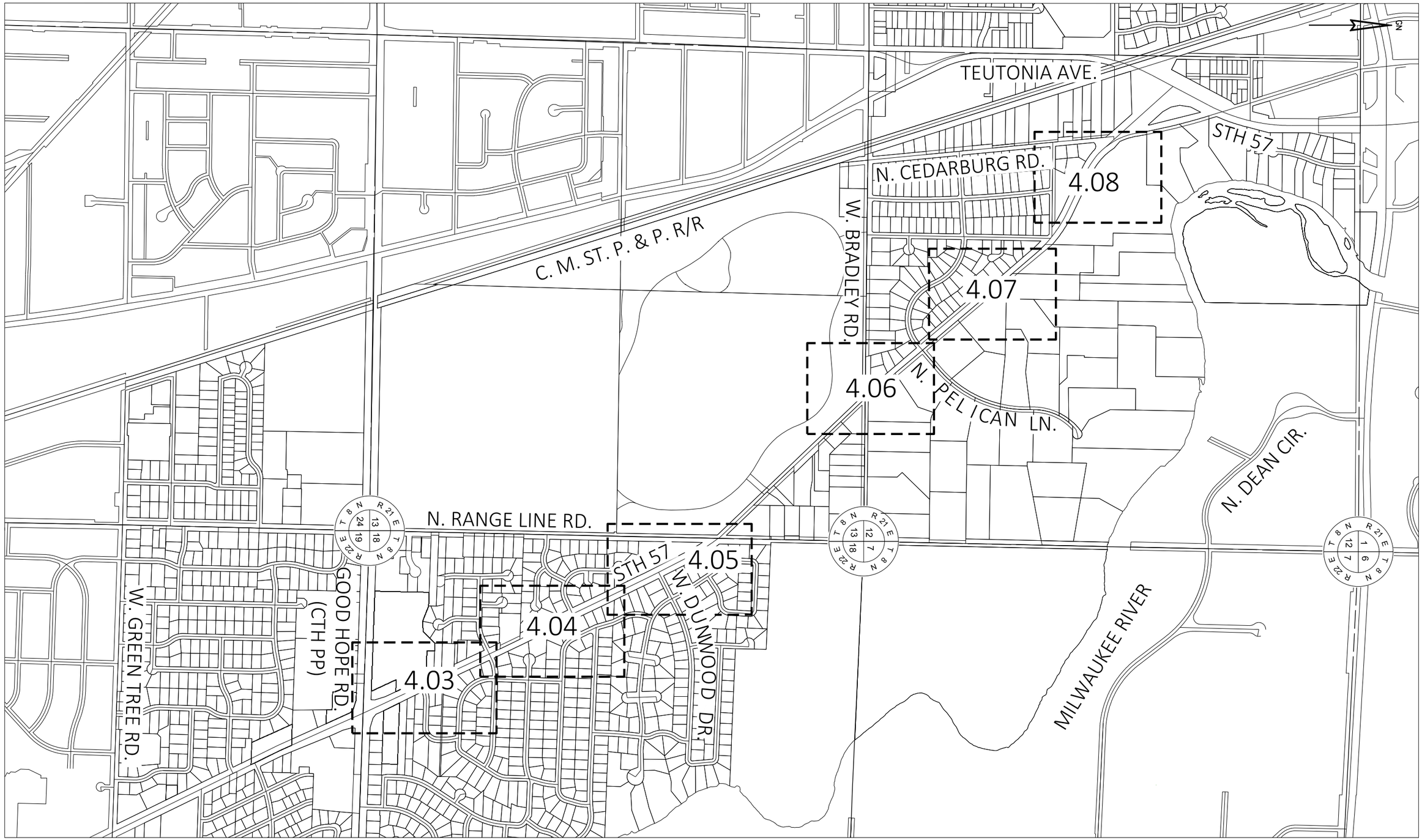
REVISION DATE
05/06/2025
08/13/2025
07/14/2026

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT
DATE: 04/28/2025 (Signatur)

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RT.DWG
PLOT DATE : 7/14/2026 10:28 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :

4



REVISION DATE 05/06/2025 (N.C.) 08/13/2025 (N.C.) 07/14/2026 (N.C.)	DATE 4/28/25 GRID FACTOR N/A	SCALE, FEET 0 500 1000	HWY: STH 57 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 2565-03-23 CONSTRUCTION PROJECT NUMBER 2565-03-73	PLAT SHEET 4.02 PS&E SHEET 143 E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.02

PLOT DATE : 7/14/2026 10:22 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	R/W S.F REQUIRED EXISTING	R/W S.F REQUIRED TOTAL	TLE S.F.
1	RICHARD A. BROCK	100-9015-000	TLE	---	---	---	451
2	STEVEN FOX	100-0429-000	TLE	---	---	---	807
3	ERIC KURT BUCHMANN	100-9997-000	TLE	---	---	---	852
4	RICHARD J. & PATRICIA M. HOLLAND	100-9995-000	TLE	---	---	---	341
6	JAIME ENSALDO LOPEZ & KATIE ENSALDO	100-0143-00	TLE	---	---	---	100
7	CHERYL LYNN A. PETERS	100-9023-000	TLE	---	---	---	555
8	NANCY J. HINKES	100-9022-000	TLE	---	---	---	862
9 (3)	ELIMINATED	----------	---	---	---	---	---
11 (4)	ELIMINATED	----------	---	---	---	---	---
12	LUIS CANTU PENA & SILVIA ILEANA RAMIREZ SUAREZ	100-0053-000	TLE	---	---	---	744
13	THERESA LA LICATA REVOCABLE TRUST	100-0052-000	TLE	---	---	---	680
14	CHRISTOPHER J. & REBECCA A. PERILLO	100-0051-000	TLE	---	---	---	669
16	STEFAN C. KARTMAN & JEANNIE YU	100-0050-000	TLE	---	---	---	578

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
201	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

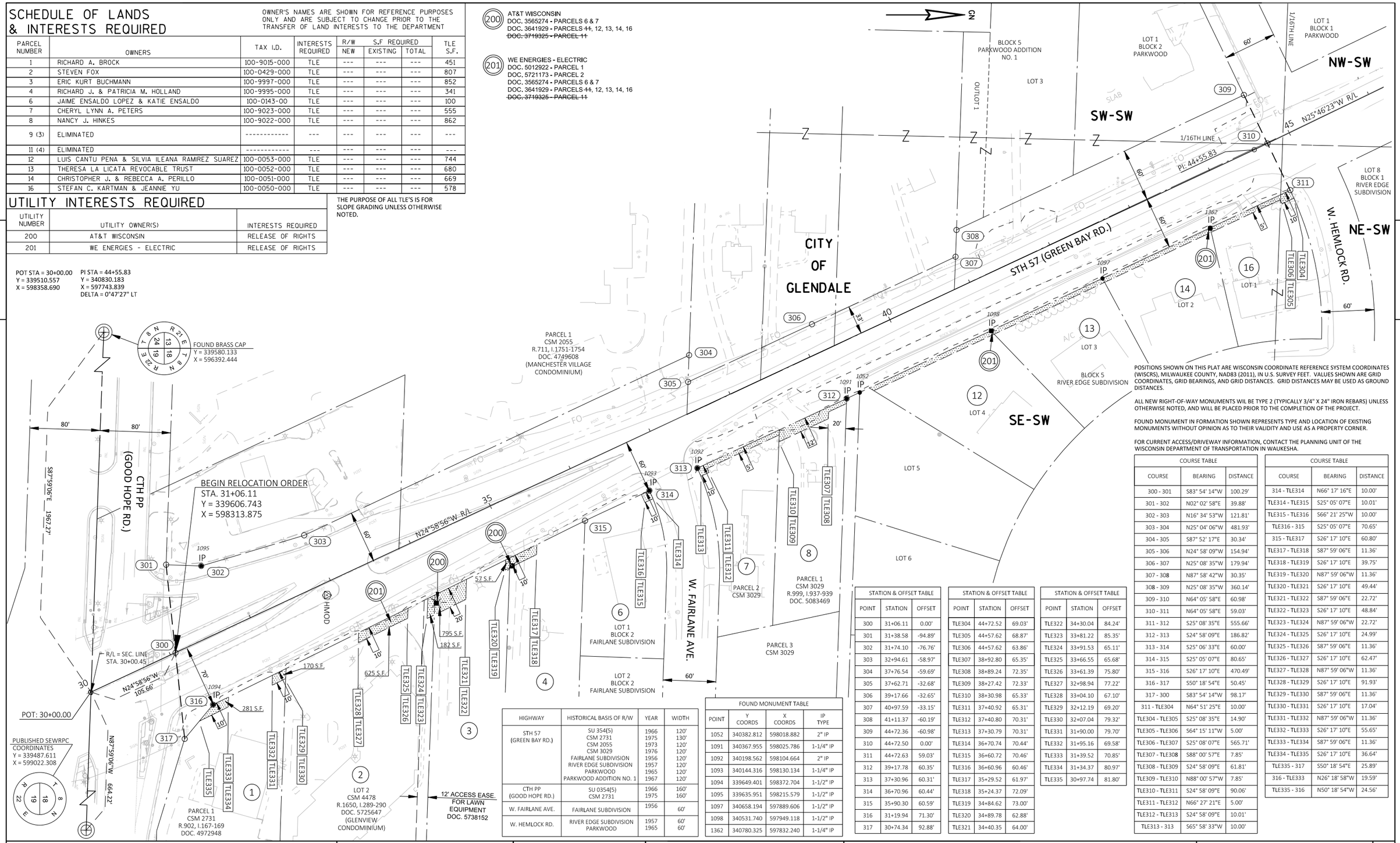
THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

(200) AT&T WISCONSIN
DOC. 3565274 - PARCELS 6 & 7
DOC. 3641929 - PARCELS ~~11~~, 12, 13, 14, 16
~~DOC. 3719325 - PARCEL 11~~

(201) WE ENERGIES - ELECTRIC
DOC. 5012922 - PARCEL 1
DOC. 5721173 - PARCEL 2
DOC. 3565274 - PARCELS 6 & 7
DOC. 3641929 - PARCELS ~~11~~, 12, 13, 14, 16
~~DOC. 3719325 - PARCEL 11~~

POT STA = 30+00.00
Y = 339510.557
X = 598358.690

PI STA = 44+55.83
Y = 340830.183
X = 597743.839
DELTA = 0°47'27" LT



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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	SU 354(5)	1966	120'
	CSM 2731	1975	130'
	CSM 2055	1973	120'
	CSM 3029	1976	120'
	FAIRLANE SUBDIVISION	1956	120'
	RIVER EDGE SUBDIVISION	1957	120'
	PARKWOOD	1965	120'
	PARKWOOD ADDITION NO. 1	1967	120'
CTH PP (GOOD HOPE RD.)	SU 0354(5)	1966	160'
	CSM 2731	1975	160'
W. FAIRLANE AVE.	FAIRLANE SUBDIVISION	1956	60'
W. HEMLOCK RD.	RIVER EDGE SUBDIVISION	1957	60'
	PARKWOOD	1965	60'

FOUND MONUMENT TABLE			
POINT	Y COORDS	X COORDS	IP TYPE
1052	340382.812	598018.882	2" IP
1091	340367.955	598025.786	1-1/4" IP
1092	340198.562	598104.664	2" IP
1093	340144.316	598130.134	1-1/4" IP
1094	339649.401	598372.704	1-1/2" IP
1095	339635.951	598215.579	1-1/2" IP
1097	340658.194	597889.606	1-1/2" IP
1098	340531.740	597949.118	1-1/2" IP
1362	340780.325	597832.240	1-1/4" IP

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
300	31+06.11	0.00'
301	31+38.58	-94.89'
302	31+74.10	-76.76'
303	32+94.61	-58.97'
304	37+76.54	-59.69'
305	37+62.71	-32.68'
306	39+17.66	-32.65'
307	40+97.59	-33.15'
308	41+11.37	-60.19'
309	44+72.36	-60.98'
310	44+72.50	0.00'
311	44+72.63	59.03'
312	39+17.78	60.35'
313	37+30.96	60.31'
314	36+70.96	60.44'
315	35+90.30	60.59'
316	31+19.94	71.30'
317	30+74.34	92.88'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE304	44+72.52	69.03'
TLE305	44+57.62	68.87'
TLE306	44+57.62	63.86'
TLE307	38+92.80	65.35'
TLE308	38+89.24	72.35'
TLE309	38+27.42	72.33'
TLE310	38+30.98	65.33'
TLE311	37+40.92	65.31'
TLE312	37+40.80	70.31'
TLE313	37+30.79	70.31'
TLE314	36+70.74	70.44'
TLE315	36+60.72	70.46'
TLE316	36+60.96	60.46'
TLE317	35+29.52	61.97'
TLE318	35+24.37	72.09'
TLE319	34+84.62	73.00'
TLE320	34+89.78	62.88'
TLE321	34+40.35	64.00'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE322	34+30.04	84.24'
TLE323	33+81.22	85.35'
TLE324	33+91.53	65.11'
TLE325	33+66.55	65.68'
TLE326	33+61.39	75.80'
TLE327	32+98.94	77.22'
TLE328	33+04.10	67.10'
TLE329	32+12.19	69.20'
TLE330	32+07.04	79.32'
TLE331	31+90.00	79.70'
TLE332	31+95.16	69.58'
TLE333	31+39.52	70.85'
TLE334	31+34.37	80.97'
TLE335	30+97.74	81.80'

COURSE TABLE		
COURSE	BEARING	DISTANCE
300 - 301	S83° 54' 14"W	100.29'
301 - 302	N02° 02' 58"E	39.88'
302 - 303	N16° 34' 53"W	121.81'
303 - 304	N25° 04' 06"W	481.93'
304 - 305	S87° 52' 17"E	30.34'
305 - 306	N24° 58' 09"W	154.94'
306 - 307	N25° 08' 35"W	179.94'
307 - 308	N87° 58' 42"W	30.35'
308 - 309	N25° 08' 35"W	360.14'
309 - 310	N64° 05' 58"E	60.98'
310 - 311	N64° 05' 58"E	59.03'
311 - 312	S25° 08' 35"E	555.66'
312 - 313	S24° 58' 09"E	186.82'
313 - 314	S25° 06' 33"E	60.00'
314 - 315	S25° 05' 07"E	80.65'
315 - 316	S26° 17' 10"E	470.49'
316 - 317	S50° 18' 54"E	50.45'
317 - 300	S83° 54' 14"W	98.17'
311 - TLE304	N64° 51' 25"E	10.00'
TLE304 - TLE305	S25° 08' 35"E	14.90'
TLE305 - TLE306	S64° 15' 11"W	5.00'
TLE306 - TLE307	S25° 08' 07"E	565.71'
TLE307 - TLE308	S88° 00' 57"E	7.85'
TLE308 - TLE309	S24° 58' 09"E	61.81'
TLE309 - TLE310	N88° 00' 57"W	7.85'
TLE310 - TLE311	S24° 58' 09"E	90.06'
TLE311 - TLE312	N66° 27' 21"E	5.00'
TLE312 - TLE313	S24° 58' 09"E	10.01'
TLE313 - 313	S65° 58' 33"W	10.00'

COURSE TABLE		
COURSE	BEARING	DISTANCE
314 - TLE314	N66° 17' 16"E	10.00'
TLE314 - TLE315	S25° 05' 07"E	10.01'
TLE315 - TLE316	S66° 21' 25"W	10.00'
TLE316 - 315	S25° 05' 07"E	70.65'
315 - TLE317	S26° 17' 10"E	60.80'
TLE317 - TLE318	S87° 59' 06"E	11.36'
TLE318 - TLE319	S26° 17' 10"E	39.75'
TLE319 - TLE320	N87° 59' 06"W	11.36'
TLE320 - TLE321	S26° 17' 10"E	49.44'
TLE321 - TLE322	S87° 59' 06"E	22.72'
TLE322 - TLE323	S26° 17' 10"E	48.84'
TLE323 - TLE324	N87° 59' 06"W	22.72'
TLE324 - TLE325	S26° 17' 10"E	24.99'
TLE325 - TLE326	S87° 59' 06"E	11.36'
TLE326 - TLE327	S26° 17' 10"E	62.47'
TLE327 - TLE328	N87° 59' 06"W	11.36'
TLE328 - TLE329	S26° 17' 10"E	91.93'
TLE329 - TLE330	S87° 59' 06"E	11.36'
TLE330 - TLE331	S26° 17' 10"E	17.04'
TLE331 - TLE332	N87° 59' 06"W	11.36'
TLE332 - TLE333	S26° 17' 10"E	55.65'
TLE333 - TLE334	S87° 59' 06"E	11.36'
TLE334 - TLE335	S26° 17' 10"E	36.64'
TLE335 - 317	S50° 18' 54"E	25.89'
316 - TLE333	N26° 18' 58"W	19.59'
TLE335 - 316	N50° 18' 54"W	24.56'

REVISION DATE
05/06/2025 (N.C.)
08/13/2025 (N.C.)
07/14/2026

DATE 4/28/25

GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 57

COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2565-03-23

CONSTRUCTION PROJECT NUMBER 2565-03-73

PLAT SHEET 4.03

PS&E SHEET 144

E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.03

PLOT DATE : 7/14/2026 10:22 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	R/W S.F REQUIRED EXISTING	R/W S.F REQUIRED TOTAL	TLE S.F.
19	JENNIFER DIANE GROKOWSKY HAN & COLIN JAMES HAN	100-0008-000	TLE	---	---	---	100
21	KAREN DOTSON	100-0004-000	TLE	---	---	---	311
22	DANIEL OLSON	100-9967-001	TLE	---	---	---	5355
23	KAREN G. WOOD	100-0003-000	TLE	---	---	---	1122
24(4)	ELIMINATED	---	---	---	---	---	---
26(4)	ELIMINATED	---	---	---	---	---	---
27	JACK R. EDELSTEIN & SHARON A. LEWIN	100-0073-000	TLE	---	---	---	500
28	MICHAEL P. & PHYLLIS A. MCDEVITT	100-0072-000	TLE	---	---	---	500
29	JOSEPH W. & WENDY G. SCHERWENKA	100-0071-000	TLE	---	---	---	125
31	SHERRI R. LUCKETT	100-0070-000	TLE	---	---	---	455
32	ANTHONY J. & CAREY A. BONGARD	100-0069-001	TLE	---	---	---	190

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
201	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

(200) AT&T WISCONSIN
DOC. 3641929 - PARCELS 19, 21, 23
DOC. 3867631 - PARCELS 27, 28, 29, 31, 32

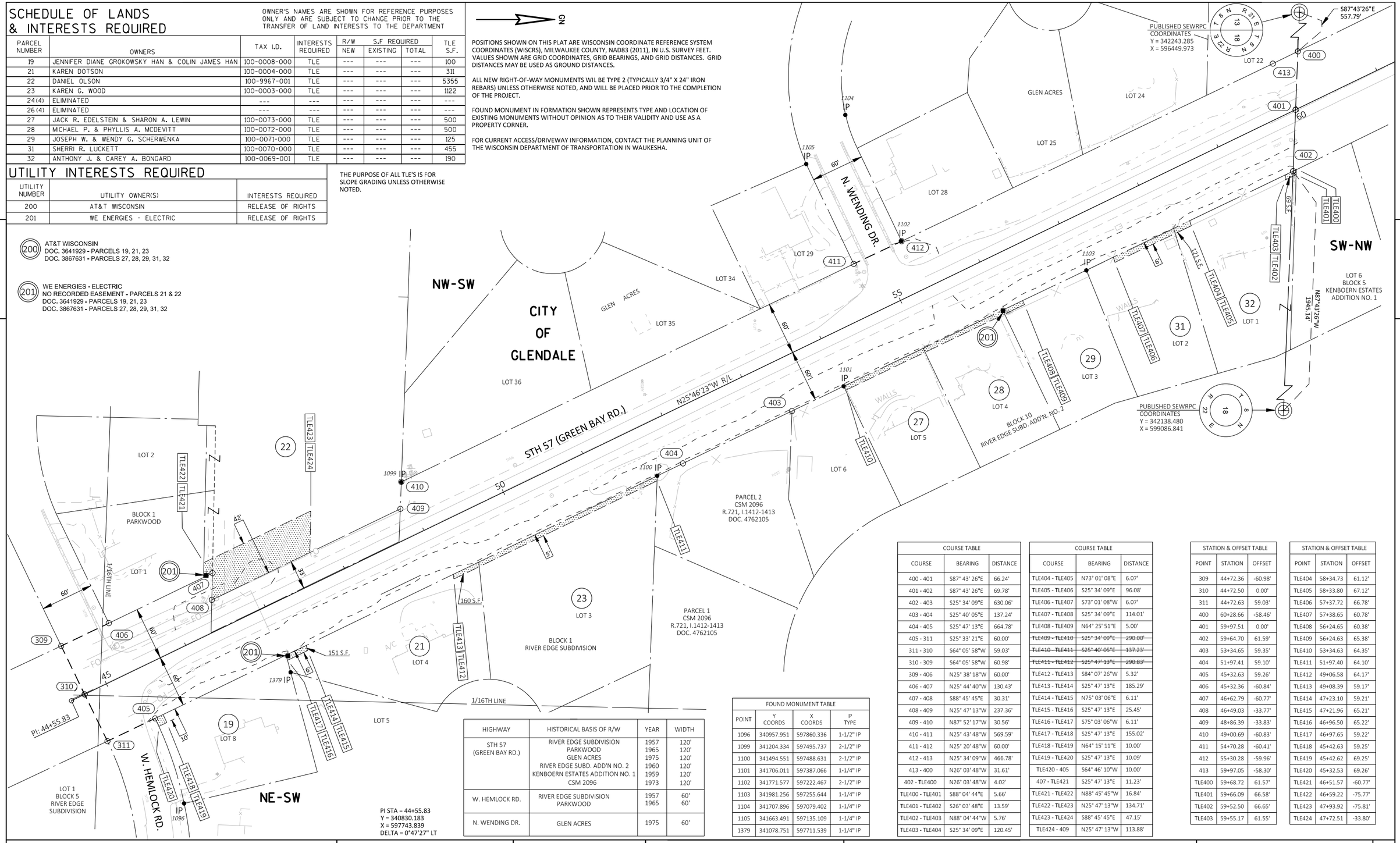
(201) WE ENERGIES - ELECTRIC
NO RECORDED EASEMENT - PARCELS 21 & 22
DOC. 3641929 - PARCELS 19, 21, 23
DOC. 3867631 - PARCELS 27, 28, 29, 31, 32

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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.



HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	RIVER EDGE SUBDIVISION	1957	120'
	PARKWOOD	1965	120'
	GLEN ACRES	1975	120'
	RIVER EDGE SUBD. ADD'N NO. 2	1960	120'
	KENBOERN ESTATES ADDITION NO. 1	1959	120'
	CSM 2096	1973	120'
W. HEMLOCK RD.	RIVER EDGE SUBDIVISION	1957	60'
	PARKWOOD	1965	60'
N. WENDING DR.	GLEN ACRES	1975	60'

FOUND MONUMENT TABLE			
POINT	Y COORDS	X COORDS	IP TYPE
1096	340957.951	597860.336	1-1/2" IP
1099	341204.334	597495.737	2-1/2" IP
1100	341494.551	597488.631	2-1/2" IP
1101	341706.011	597387.066	1-1/4" IP
1102	341771.577	597222.467	2-1/2" IP
1103	341981.256	597255.644	1-1/4" IP
1104	341707.896	597079.402	1-1/4" IP
1105	341663.491	597135.109	1-1/4" IP
1379	341078.751	597711.539	1-1/4" IP

COURSE TABLE		
COURSE	BEARING	DISTANCE
400 - 401	S87° 43' 26"E	66.24'
401 - 402	S87° 43' 26"E	69.78'
402 - 403	S25° 34' 09"E	630.06'
403 - 404	S25° 40' 05"E	137.24'
404 - 405	S25° 47' 13"E	664.78'
405 - 311	S25° 33' 21"E	60.00'
311 - 310	S64° 05' 58"W	59.03'
310 - 309	S64° 05' 58"W	60.98'
309 - 406	N25° 38' 18"W	60.00'
406 - 407	N25° 44' 40"W	130.43'
407 - 408	S88° 45' 45"E	30.31'
408 - 409	N25° 47' 13"W	237.36'
409 - 410	N87° 52' 17"W	30.56'
410 - 411	N25° 43' 48"W	569.59'
411 - 412	N25° 20' 48"W	60.00'
412 - 413	N25° 34' 09"W	466.78'
413 - 400	N26° 03' 48"W	31.61'
402 - TLE400	N26° 03' 48"W	4.02'
TLE400 - TLE401	S88° 04' 44"E	5.66'
TLE401 - TLE402	S26° 03' 48"E	13.59'
TLE402 - TLE403	N88° 04' 44"W	5.76'
TLE403 - TLE404	S25° 34' 09"E	120.45'

COURSE TABLE		
COURSE	BEARING	DISTANCE
TLE404 - TLE405	N73° 01' 08"E	6.07'
TLE405 - TLE406	S25° 34' 09"E	96.08'
TLE406 - TLE407	S73° 01' 08"W	6.07'
TLE407 - TLE408	S25° 34' 09"E	114.01'
TLE408 - TLE409	N64° 25' 51"E	5.00'
~~TLE409 - TLE410~~	~~S25° 34' 09"E~~	~~290.00'~~
~~TLE410 - TLE411~~	~~S25° 40' 05"E~~	~~137.23'~~
~~TLE411 - TLE412~~	~~S25° 47' 13"E~~	~~290.83'~~
TLE412 - TLE413	S84° 07' 26"W	5.32'
TLE413 - TLE414	S25° 47' 13"E	185.29'
TLE414 - TLE415	N75° 03' 06"E	6.11'
TLE415 - TLE416	S25° 47' 13"E	25.45'
TLE416 - TLE417	S75° 03' 06"W	6.11'
TLE417 - TLE418	S25° 47' 13"E	155.02'
TLE418 - TLE419	N64° 15' 11"E	10.00'
TLE419 - TLE420	S25° 47' 13"E	10.09'
TLE420 - 405	S64° 46' 10"W	10.00'
407 - TLE421	S25° 47' 13"E	11.23'
TLE421 - TLE422	N88° 45' 45"W	16.84'
TLE422 - TLE423	N25° 47' 13"W	134.71'
TLE423 - TLE424	S88° 45' 45"E	47.15'
TLE424 - 409	N25° 47' 13"W	113.88'

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	
309	44+72.36	-60.98'	
310	44+72.50	0.00'	
311	44+72.63	59.03'	
400	60+28.66	-58.46'	
401	59+97.51	0.00'	
402	59+64.70	61.59'	
403	53+34.65	59.35'	
404	51+97.41	59.10'	
405	45+32.63	59.26'	
406	45+32.36	-60.84'	
407	46+62.79	-60.77'	
408	46+49.03	-33.77'	
409	48+86.39	-33.83'	
410	49+00.69	-60.83'	
411	54+70.28	-60.41'	
412	55+30.28	-59.96'	
413	59+97.05	-58.30'	
TLE400	59+68.72	61.57'	
TLE401	59+66.09	66.58'	
TLE402	59+52.50	66.65'	
TLE403	59+55.17	61.55'	

STATION & OFFSET TABLE			
POINT	STATION	OFFSET	
TLE404	58+34.73	61.12'	
TLE405	58+33.80	67.12'	
TLE406	57+37.72	66.78'	
TLE407	57+38.65	60.78'	
TLE408	56+24.65	60.38'	
TLE409	56+24.63	65.38'	
TLE410	53+34.63	64.35'	
TLE411	51+97.40	64.10'	
TLE412	49+06.58	64.17'	
TLE413	49+08.39	59.17'	
TLE414	47+23.10	59.21'	
TLE415	47+21.96	65.21'	
TLE416	46+96.50	65.22'	
TLE417	46+97.65	59.22'	
TLE418	45+42.63	59.25'	
TLE419	45+42.62	69.25'	
TLE420	45+32.53	69.26'	
TLE421	46+51.57	-60.77'	
TLE422	46+59.22	-75.77'	
TLE423	47+93.92	-75.81'	
TLE424	47+72.51	-33.80'	

REVISION DATE
05/06/2025 (N.C.)
08/13/2025 (N.C.)
07/14/2026

DATE 4/28/25
GRID FACTOR N/A
SCALE, FEET 0 50 100
HWY: STH 57
COUNTY: MILWAUKEE
STATE R/W PROJECT NUMBER 2565-03-23
CONSTRUCTION PROJECT NUMBER 2565-03-73
PLAT SHEET 4.04
PS&E SHEET 145
E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.04
PLOT DATE : 7/14/2026 10:22 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	R/W S.F REQUIRED EXISTING	R/W S.F REQUIRED TOTAL	TLE S.F.
32(3)	SEE SHEET 4.04	---	---	---	---	---	---
33	JOHN B. & GAIL A. FIRER	088-1119-001	TLE	---	---	---	352
34	KAREN L. NEVELS-EALY	088-1118-000	TLE	---	---	---	501
36	WILLIAM A. & KATHERINE A. STEWART	088-1117-000	TLE	---	---	---	500
37	WAYNE R. GLAD & SUZANNE J. LISOWSKI-GLAD	088-1116-000	TLE	---	---	---	426
38	JAKE & AMANDA POLZIN	088-1114-000	TLE	---	---	---	949
39(4)	ELIMINATED	---	---	---	---	---	---
41	GUENTHER G. & VIRGINIA M. BEHRE	088-1006-000	TLE	---	---	---	500
42	MARK E. & CHRISTINA MARIE TOTH	088-1005-000	TLE	---	---	---	501
43	JOHN & KIMBERLY A. LAZAREVIC	088-1004-000	TLE	---	---	---	503
44	JENNIFER JONES	088-1003-000	TLE	---	---	---	505
46(4)	ELIMINATED	---	---	---	---	---	---
47	ALFONSO MARTINEZ	088-1001-000	TLE	---	---	---	286
48	SILVERADO NORTH SHORE LLC.	087-8000-001	FEE,TLE	171	---	171	237

UTILITY INTERESTS REQUIRED

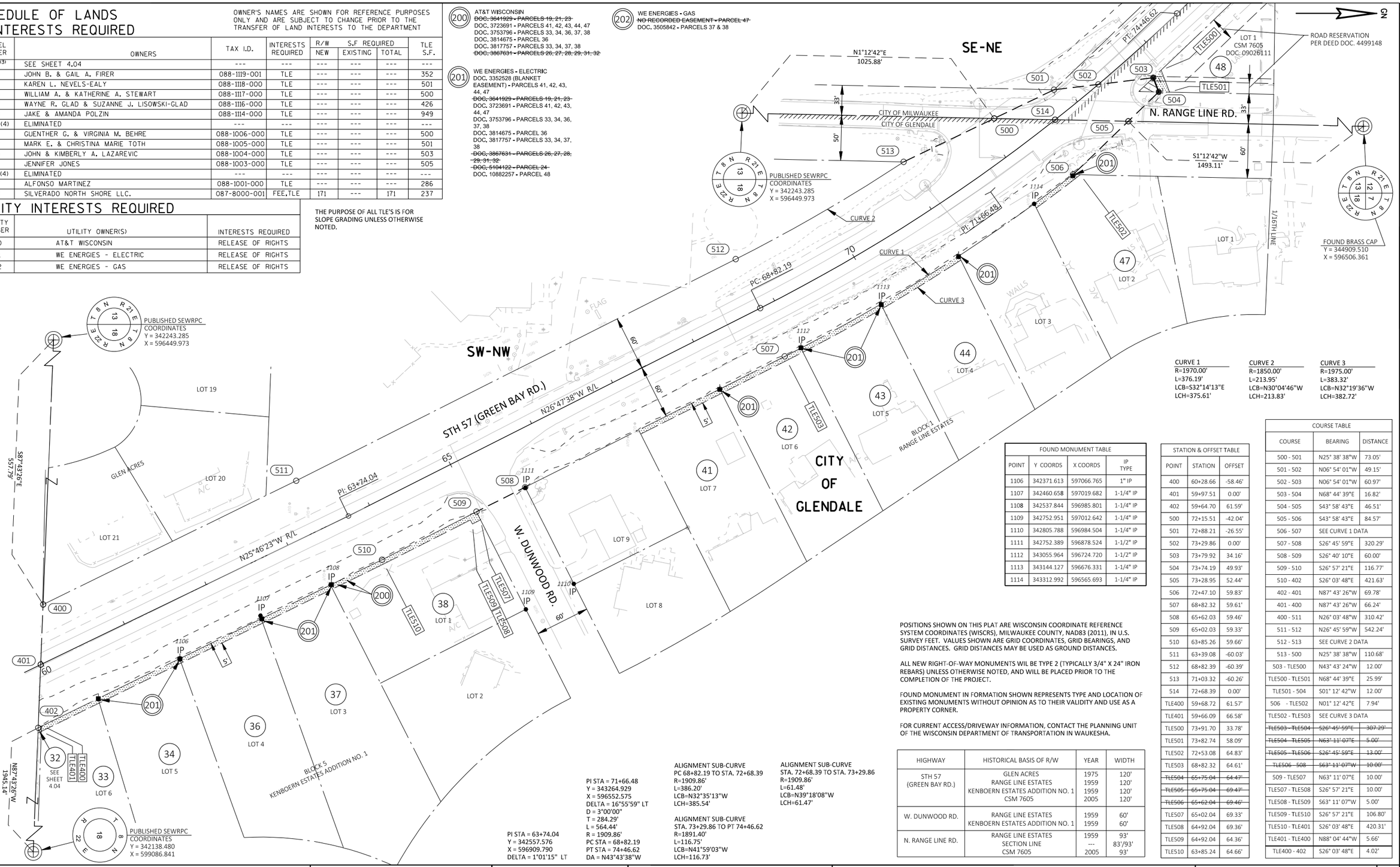
UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
200	AT&T WISCONSIN	RELEASE OF RIGHTS
201	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
202	WE ENERGIES - GAS	RELEASE OF RIGHTS

THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

(200) AT&T WISCONSIN
~~DOC. 3641929 - PARCELS 19, 21, 23~~
DOC. 3723691 - PARCELS 41, 42, 43, 44, 47
DOC. 3753796 - PARCELS 33, 34, 36, 37, 38
DOC. 3814675 - PARCEL 36
DOC. 3817757 - PARCELS 33, 34, 37, 38
~~DOC. 3867631 - PARCELS 26, 27, 28, 29, 31, 32~~

(201) WE ENERGIES - ELECTRIC
DOC. 3352528 (BLANKET EASEMENT) - PARCELS 41, 42, 43, 44, 47
~~DOC. 3641929 - PARCELS 19, 21, 23~~
DOC. 3723691 - PARCELS 41, 42, 43, 44, 47
DOC. 3753796 - PARCELS 33, 34, 36, 37, 38
DOC. 3814675 - PARCEL 36
DOC. 3817757 - PARCELS 33, 34, 37, 38
~~DOC. 3867631 - PARCELS 26, 27, 28, 29, 31, 32~~
~~DOC. 5104122 - PARCEL 24~~
DOC. 10882257 - PARCEL 48

(202) WE ENERGIES - GAS
~~NO RECORDED EASEMENT - PARCEL 47~~
DOC. 3505842 - PARCELS 37 & 38



CURVE 1	CURVE 2	CURVE 3
R=1970.00'	R=1850.00'	R=1975.00'
L=376.19'	L=213.95'	L=383.32'
LCB=S32°14'13"E	LCB=N30°04'46"W	LCB=N32°19'36"W
LCH=375.61'	LCH=213.83'	LCH=382.72'

PI STA = 63+74.04
Y = 342557.576
X = 596909.790
DELTA = 1°01'15" LT

PI STA = 71+66.48
Y = 343264.929
X = 596552.575
DELTA = 16°55'59" LT
D = 3°00'00"
T = 284.29'
L = 564.44'
R = 1909.86'
PC STA = 68+82.19
PT STA = 74+46.62
DA = N43°43'38"W

ALIGNMENT SUB-CURVE
PC 68+82.19 TO STA. 72+68.39
R=1909.86'
L=386.20'
LCB=N32°35'13"W
LCH=385.54'

ALIGNMENT SUB-CURVE
STA. 72+68.39 TO PT 74+46.62
R=1891.40'
L=116.75'
LCB=N41°59'03"W
LCH=116.73'

ALIGNMENT SUB-CURVE
STA. 72+68.39 TO STA. 73+29.86
R=1909.86'
L=61.48'
LCB=N39°18'08"W
LCH=61.47'

FOUND MONUMENT TABLE			
POINT	Y COORDS	X COORDS	IP TYPE
1106	342371.613	597066.765	1" IP
1107	342460.658	597019.682	1-1/4" IP
1108	342537.844	596985.801	1-1/4" IP
1109	342752.951	597012.642	1-1/4" IP
1110	342805.788	596984.504	1-1/4" IP
1111	342752.389	596878.524	1-1/2" IP
1112	343055.964	596724.720	1-1/2" IP
1113	343144.127	596676.331	1-1/4" IP
1114	343312.992	596565.693	1-1/4" IP

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
400	60+28.66	-58.46'
401	59+97.51	0.00'
402	59+64.70	61.59'
500	72+15.51	-42.04'
501	72+88.21	-26.55'
502	73+29.86	0.00'
503	73+79.92	34.16'
504	73+74.19	49.93'
505	73+28.95	52.44'
506	72+47.10	59.83'
507	68+82.32	59.61'
508	65+62.03	59.46'
509	65+02.03	59.33'
510	63+85.26	59.66'
511	63+39.08	-60.03'
512	68+82.39	-60.39'
513	71+03.32	-60.26'
514	72+68.39	0.00'
TLE400	59+68.72	61.57'
TLE401	59+66.09	66.58'
TLE500	73+91.70	33.78'
TLE501	73+82.74	58.09'
TLE502	72+53.08	64.83'
TLE503	68+82.32	64.61'
~~TLE504~~	~~65+75.04~~	~~64.47'~~
~~TLE505~~	~~65+75.04~~	~~69.47'~~
~~TLE506~~	~~65+62.04~~	~~69.46'~~
TLE507	65+02.04	69.33'
TLE508	64+92.04	69.36'
TLE509	64+92.04	64.36'
TLE510	63+85.24	64.66'

COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	N25° 38' 38"W	73.05'
501 - 502	N06° 54' 01"W	49.15'
502 - 503	N06° 54' 01"W	60.97'
503 - 504	N68° 44' 39"E	16.82'
504 - 505	S43° 58' 43"E	46.51'
505 - 506	S43° 58' 43"E	84.57'
506 - 507	SEE CURVE 1 DATA	
507 - 508	S26° 45' 59"E	320.29'
508 - 509	S26° 40' 10"E	60.00'
509 - 510	S26° 57' 21"E	116.77'
510 - 402	S26° 03' 48"E	421.63'
402 - 401	N87° 43' 26"W	69.78'
401 - 400	N87° 43' 26"W	66.24'
400 - 511	N26° 03' 48"W	310.42'
511 - 512	N26° 45' 59"W	542.24'
512 - 513	SEE CURVE 2 DATA	
513 - 500	N25° 38' 38"W	110.68'
503 - TLE500	N43° 43' 24"W	12.00'
TLE500 - TLE501	N68° 44' 39"E	25.99'
TLE501 - 504	S01° 12' 42"W	12.00'
506 - TLE502	N01° 12' 42"E	7.94'
TLE502 - TLE503	SEE CURVE 3 DATA	
~~TLE503 - TLE504~~	~~S26° 45' 59"E~~	~~307.29'~~
~~TLE504 - TLE505~~	~~N63° 11' 07"E~~	~~5.00'~~
~~TLE505 - TLE506~~	~~S26° 45' 59"E~~	~~13.00'~~
~~TLE506 - 508~~	~~S63° 11' 07"W~~	~~10.00'~~
509 - TLE507	N63° 11' 07"E	10.00'
TLE507 - TLE508	S26° 57' 21"E	10.00'
TLE508 - TLE509	S63° 11' 07"W	5.00'
TLE509 - TLE510	S26° 57' 21"E	106.80'
TLE510 - TLE401	S26° 03' 48"E	420.31'
TLE401 - TLE400	N88° 04' 44"W	5.66'
TLE400 - 402	S26° 03' 48"E	4.02'

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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.

HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	GLEN ACRES RANGE LINE ESTATES KENBOERN ESTATES ADDITION NO. 1 CSM 7605	1975 1959 1959 2005	120' 120' 120' 120'
W. DUNWOOD RD.	RANGE LINE ESTATES KENBOERN ESTATES ADDITION NO. 1	1959 1959	60' 60'
N. RANGE LINE RD.	RANGE LINE ESTATES SECTION LINE CSM 7605	1959 --- 2005	93' 83'/93' 93'

REVISION DATE 05/06/2025 (N.C.) 08/13/2025 07/14/2026	DATE 4/28/25 GRID FACTOR N/A	SCALE, FEET 0 50 100	HWY: STH 57 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 2565-03-23 CONSTRUCTION PROJECT NUMBER 2565-03-73	PLAT SHEET 4.05 PS&E SHEET 146	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.05
PLOT DATE : 7/14/2026 10:22 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED			TLE S.F.
				NEW	EXISTING	TOTAL	
49	SCOTT A. KAMELLE	064-9978-000	FEE,TLE	1483	12891	14374	1693

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
201	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

(201) WE ENERGIES - ELECTRIC
NO RECORDED EASEMENT - PARCEL 49

COURSE TABLE		
COURSE	BEARING	DISTANCE
600 - 601	N00° 36' 12"E	54.97'
601 - 602	N40° 16' 48"W	303.72'
602 - 603	N55° 58' 12"E	59.64'
603 - 604	N55° 58' 12"E	33.92'
604 - 605	S40° 16' 48"E	299.24'
605 - 606	S47° 59' 01"E	98.35'
606 - 607	S84° 24' 42"E	74.51'
607 - 608	S00° 36' 12"W	7.00'
608 - 609	S00° 36' 12"W	33.00'
609 - 610	N89° 23' 48"W	92.68'
610 - 600	N89° 23' 48"W	129.36'
604 - TLE602	S40° 16' 48"E	261.94'
TLE602 - TLE603	S51° 11' 11"E	131.13'
TLE603 - TLE604	S78° 40' 40"E	69.79'
TLE604 - 607	S00° 36' 12"W	5.02'
605 - TLE602	N40° 16' 48"W	37.30'

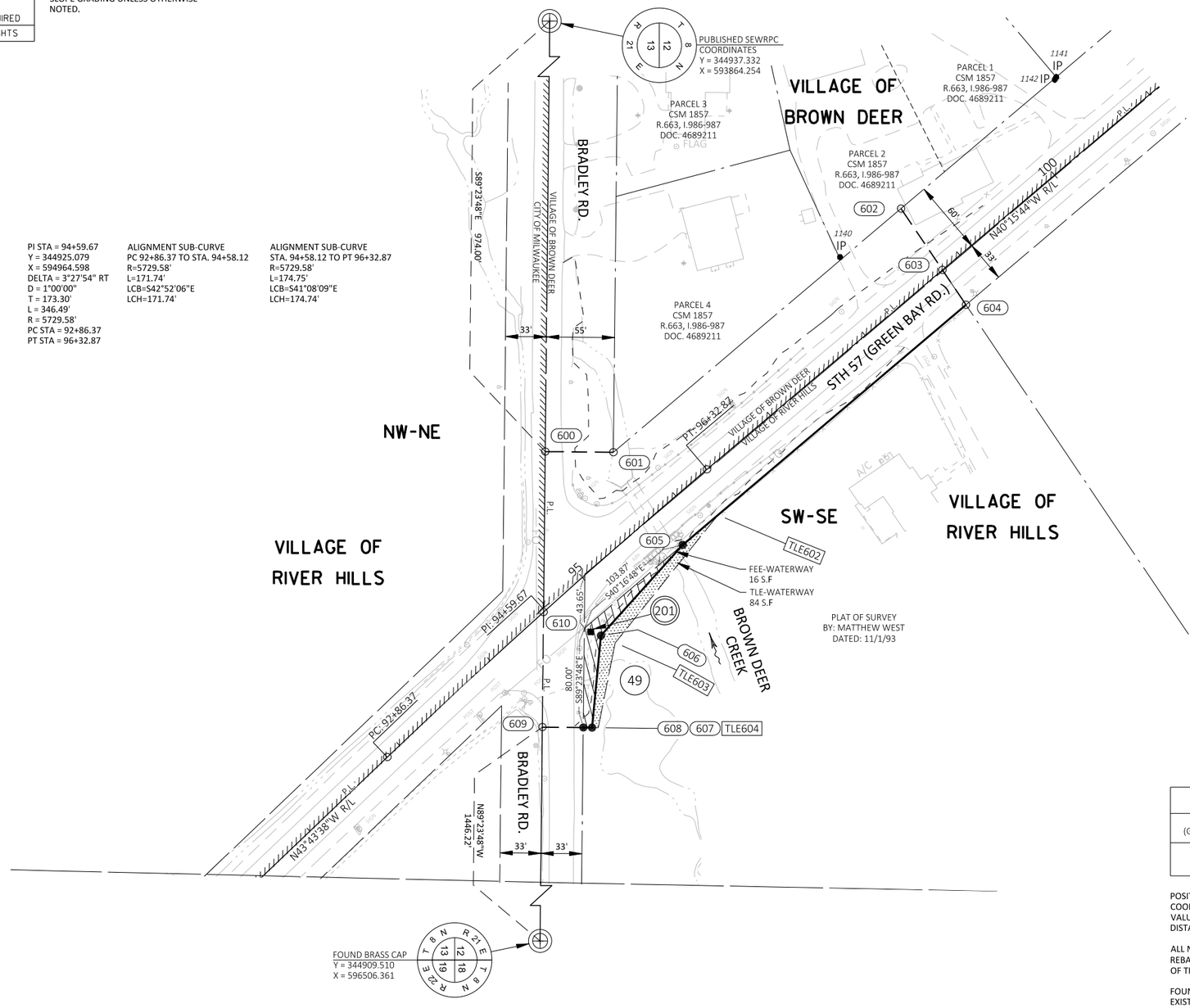
STATION & OFFSET TABLE		
POINT	STATION	OFFSET
600	95+44.26	-95.86'
601	95+84.85	-59.40'
602	98+88.07	-59.29'
603	98+81.60	0.00'
604	98+77.92	33.72'
605	95+78.35	33.55'
606	94+80.00	45.00'
607	94+24.24	95.19'
608	94+19.04	90.42'
609	93+94.62	67.86'
610	94+58.12	0.00'
TLE602	96+15.87	33.77'
TLE603	94+84.75	56.94'
TLE604	94+27.98	98.61'

PI STA = 94+59.67
Y = 344925.079
X = 594964.598
DELTA = 3°27'54" RT
D = 1°00'00"
T = 173.30'
L = 346.49'
R = 5729.58'
PC STA = 92+86.37
PT STA = 96+32.87

ALIGNMENT SUB-CURVE
PC 92+86.37 TO STA. 94+58.12
R=5729.58'
L=171.74'
LCB=S42°52'06"E
LCH=171.74'

ALIGNMENT SUB-CURVE
STA. 94+58.12 TO PT 96+32.87
R=5729.58'
L=174.75'
LCB=S41°08'09"E
LCH=174.74'

FOUND MONUMENT TABLE			
POINT	Y COORDS	X COORDS	IP TYPE
1140	345164.614	594681.455	1.5" IP BENT SOUTH
1141	345338.874	594536.384	CHISELED X
1142	345337.703	594538.454	1" IP



HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	EXISTING CENTERLINE CSM 1857	--- 1972	66' 93'
BRADLEY RD.	SECTION LINE CSM 1857	--- 1972	66' 88'

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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.

4

REVISION DATE
05/06/2025 (N.C.)
08/13/2025 (N.C.)
07/14/2026

DATE 4/28/25
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 57
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2565-03-23
CONSTRUCTION PROJECT NUMBER 2565-03-73

PLAT SHEET 4.06
PS&E SHEET 147 E

SCHEDULE OF LANDS & INTERESTS REQUIRED

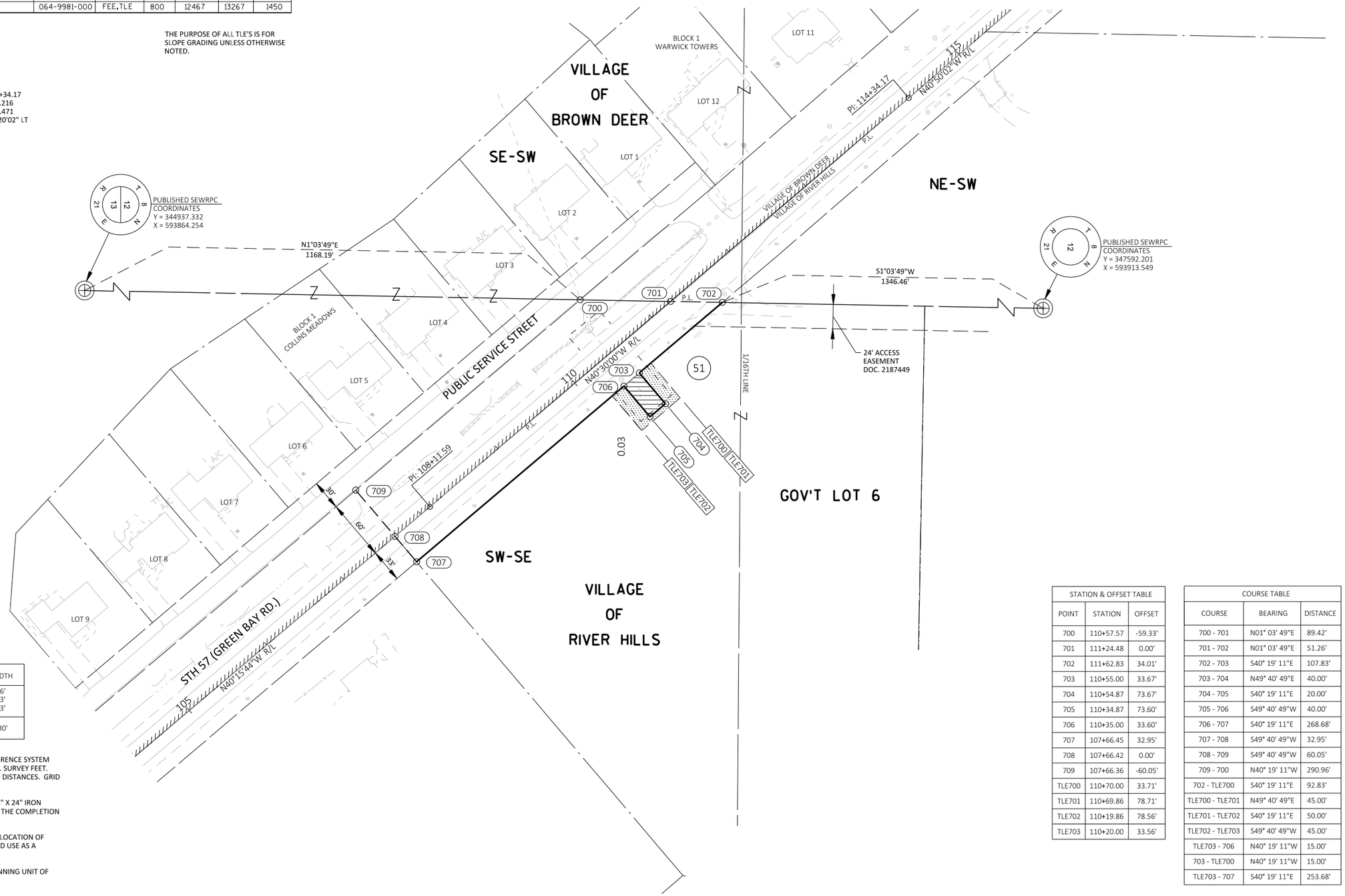
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED			TLE S.F.
				NEW	EXISTING	TOTAL	
51	RICHARD A. PAULSEN & THERESA M. QUINN	064-9981-000	FEE,TLE	800	12467	13267	1450

THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

PI STA. 108+11.59
Y = 345956.798
X = 594090.806
DELTA = 0°14'16" LT

PI STA. 114+34.17
Y = 346430.216
X = 593686.471
DELTA = 0°20'02" LT



HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	EXISTING CENTERLNE COLLINS MEADOWS WARWICK TOWERS	--- 1953 1960	66' 93' 93'
PUBLIC SERVICE STREET	COLLINS MEADOWS	1953	30'

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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
700	110+57.57	-59.33'
701	111+24.48	0.00'
702	111+62.83	34.01'
703	110+55.00	33.67'
704	110+54.87	73.67'
705	110+34.87	73.60'
706	110+35.00	33.60'
707	107+66.45	32.95'
708	107+66.42	0.00'
709	107+66.36	-60.05'
TLE700	110+70.00	33.71'
TLE701	110+69.86	78.71'
TLE702	110+19.86	78.56'
TLE703	110+20.00	33.56'

COURSE TABLE		
COURSE	BEARING	DISTANCE
700 - 701	N01° 03' 49"E	89.42'
701 - 702	N01° 03' 49"E	51.26'
702 - 703	S40° 19' 11"E	107.83'
703 - 704	N49° 40' 49"E	40.00'
704 - 705	S40° 19' 11"E	20.00'
705 - 706	S49° 40' 49"W	40.00'
706 - 707	S40° 19' 11"E	268.68'
707 - 708	S49° 40' 49"W	32.95'
708 - 709	S49° 40' 49"W	60.05'
709 - 700	N40° 19' 11"W	290.96'
702 - TLE700	S40° 19' 11"E	92.83'
TLE700 - TLE701	N49° 40' 49"E	45.00'
TLE701 - TLE702	S40° 19' 11"E	50.00'
TLE702 - TLE703	S49° 40' 49"W	45.00'
TLE703 - 706	N40° 19' 11"W	15.00'
703 - TLE700	N40° 19' 11"W	15.00'
TLE703 - 707	S40° 19' 11"E	253.68'

REVISION DATE
05/06/2025 (N.C.)
08/13/2025 (N.C.)
07/14/2026

DATE 4/28/25
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 57
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2565-03-23
CONSTRUCTION PROJECT NUMBER 2565-03-73

PLAT SHEET 4.07
PS&E SHEET 148

E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.07

PLOT DATE : 7/14/2026 10:23 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNERS	TAX I.D.	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
52	DOUGLAS C. BRUNNER, KAREN B. ROBINSON, & CHRISTINE B. COLBY	048-9995-000	TLE	---	---	---	424
53	PAVEL BORDETSKY	065-1142-000	TLE	---	---	---	824

THE PURPOSE OF ALL TLE'S IS FOR SLOPE GRADING UNLESS OTHERWISE NOTED.

PI STA = 130+82.01
Y = 347396.544
X = 592380.034
DELTA = 20°59'57" RT
D = 9°10'22"
T = 115.76'
L = 228.93'
R = 624.62'
PC STA = 129+66.24
Y = 347343.695
X = 592483.029
PT STA = 131+95.17
Y = 347482.792
X = 592302.819
DB = N62°50'12"W
DA = N41°50'15"W

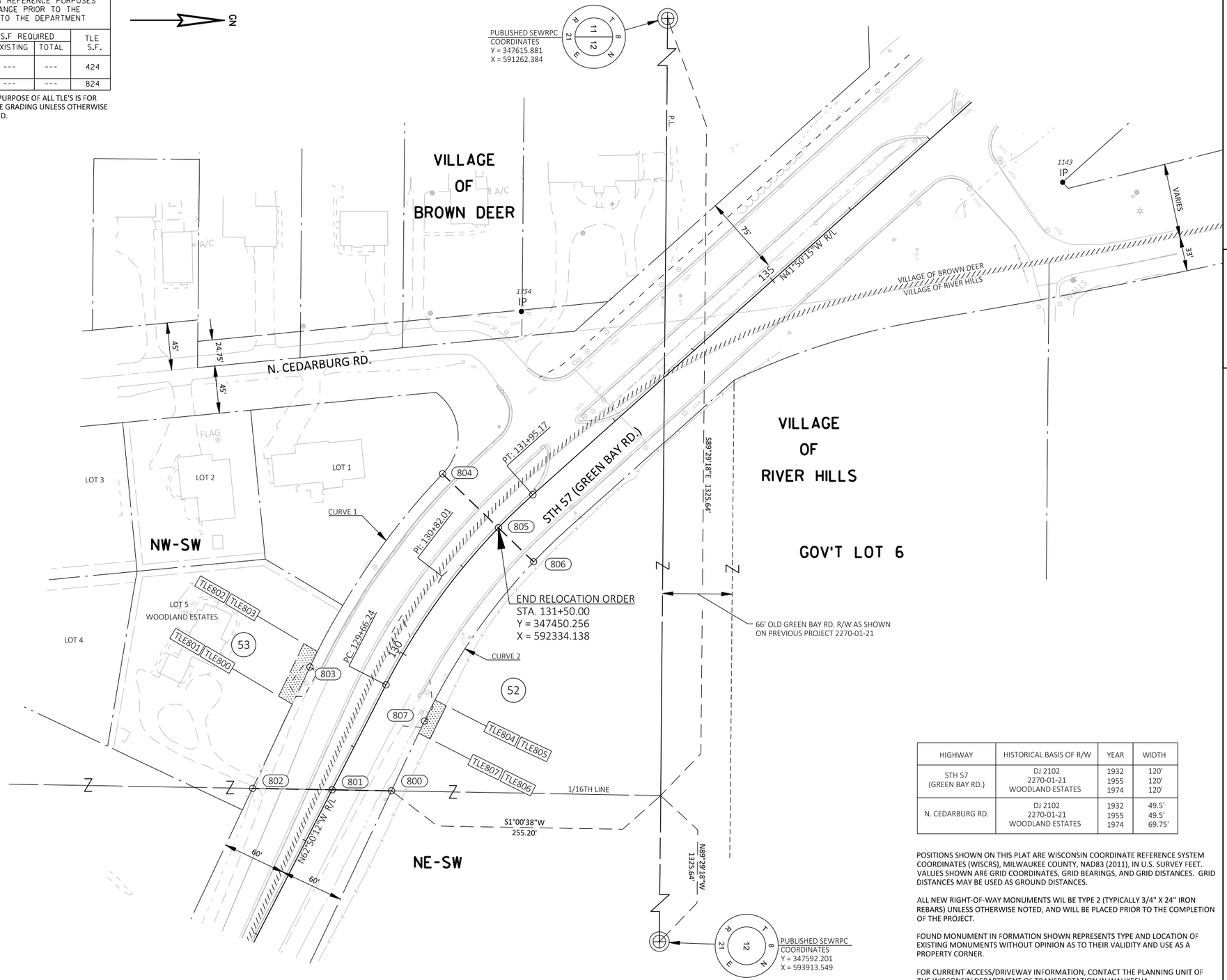
FOUND MONUMENT TABLE			
POINT	Y COORDS	X COORDS	IP TYPE
1143	347984.968	592006.469	3/4" RBR.
1754	347472.078	592128.992	1-1/2" IP

COURSE TABLE		
COURSE	BEARING	DISTANCE
800 - 801	S01° 00' 38"W	56.22'
801 - 802	S01° 00' 38"W	75.43'
802 - 803	N64° 42' 19"W	127.28'
803 - 804	SEE CURVE 1 DATA	
804 - 805	N44° 01' 09"E	73.63'
805 - 806	N44° 01' 09"E	46.38'
806 - 807	SEE CURVE 2 DATA	
807 - 800	S64° 42' 19"E	73.14'
802 - TLE800	N64° 42' 19"W	88.26'
TLE800 - TLE801	S30° 47' 45"W	15.07'
TLE801 - TLE802	N64° 28' 40"W	55.23'
TLE802 - TLE803	N30° 47' 45"E	15.04'
TLE803 - 803	S64° 02' 18"E	16.22'
803 - TLE800	S64° 42' 19"E	39.02'
800 - TLE807	N64° 42' 19"W	60.50'
TLE807 - 807	N64° 42' 19"W	12.64'
807 - TLE804	N63° 38' 59"W	22.36'
TLE804 - TLE805	N27° 01' 13"E	12.00'
TLE805 - TLE806	S64° 02' 23"E	35.01'
TLE806 - TLE807	S27° 01' 13"W	12.01'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
800	128+79.25	50.46'
801	128+54.47	0.00'
802	128+21.22	-67.71'
803	129+48.44	-71.86'
804	131+50.00	-73.63'
805	131+50.00	0.00'
806	131+50.00	46.38'
807	129+52.35	48.08'
TLE800	129+09.44	-70.59'
TLE801	129+10.39	-85.63'
TLE802	129+65.61	-87.21'
TLE803	129+64.65	-72.20'
TLE804	129+75.41	47.70'
TLE805	129+75.64	59.70'
TLE806	129+39.74	60.49'
TLE807	129+39.71	48.49'

CURVE 1
R=696.62'
L=223.02'
LCB=S55°32'01"E
LCH=222.07'

CURVE 2
R=576.62'
L=183.81'
LCB=S55°34'23"E
LCH=183.03'



HIGHWAY	HISTORICAL BASIS OF R/W	YEAR	WIDTH
STH 57 (GREEN BAY RD.)	DJ 2102 2270-01-21 WOODLAND ESTATES	1932 1955 1974	120' 120' 120'
N. CEDARBURG RD.	DJ 2102 2270-01-21 WOODLAND ESTATES	1932 1955 1974	49.5' 49.5' 69.75'

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

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

FOUND MONUMENT IN FORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION IN WAUKESHA.

REVISION DATE
05/06/2025 (N.C.)
08/13/2025 (N.C.)
07/14/2026

DATE 4/28/25
GRID FACTOR N/A

SCALE, FEET
0 50 100

HWY: STH 57
COUNTY: MILWAUKEE

STATE R/W PROJECT NUMBER 2565-03-23
CONSTRUCTION PROJECT NUMBER 2565-03-73

PLAT SHEET 4.08
PS&E SHEET 149

E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\RW\DWG\040101_RP.DWG
LAYOUT NAME - 4.08

PLOT DATE : 7/14/2026 10:23 AM PLOT BY : BARTELT, HEATHER PLOT NAME : PLOT SCALE : 1 IN:50 FT

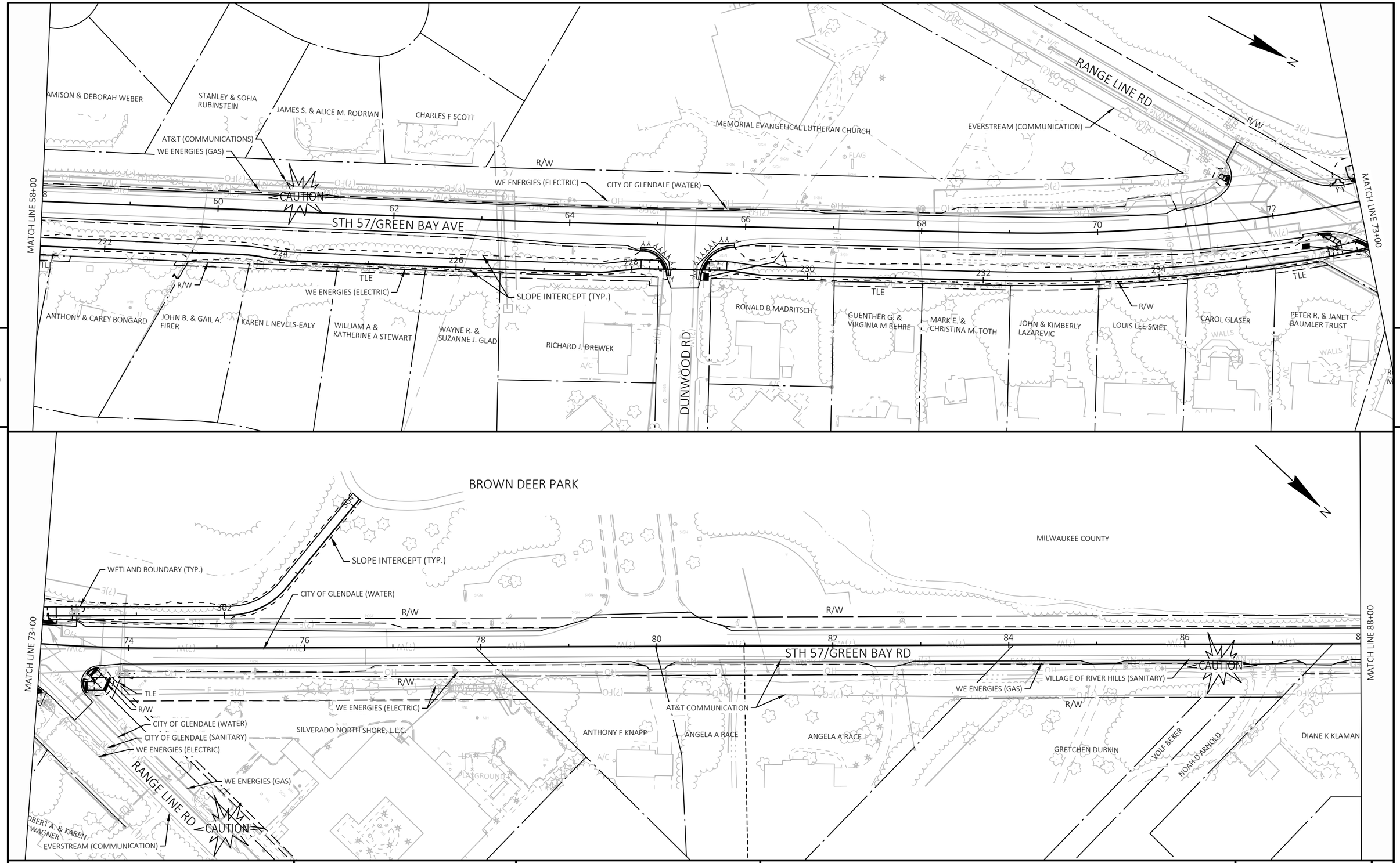
4

4

CTH PP/GOOD HOPE RD
TCF BANK
CITY OF GLENDALE (SANITARY)
AT&T (COMMUNICATION)
WE ENERGIES (ELECTRIC)
CITY OF GLENDALE (WATER)
JOHN M. FLYNN REVOCABLE TRUST
CHARLES COLLINS
JOAN E. HERSCHBERG
ROBERT F. STEINGART
ROBERT F. STEINGART
CONSTRUCT PE STA. 41+73.64 LT
N
R/W
BEGIN PROJECT STA 33+00.00 Y=339,782.489 X=598,231.990
WE ENERGIES (ELECTRIC)
WE ENERGIES (GAS)
WETLAND BOUNDARY (TYP.)
CAUTION
STH 57/GREEN BAY AVE
BEGIN CONSTRUCTION STA 30+64.38
TLE
SLOPE INTERCEPT (TYP.)
CITY OF GLENDALE (SANITARY)
GLENDALE GPS DO NOT DISTURB
WE ENERGIES (GAS)
CHARTER (COMMUNICATION)
AT&T (COMMUNICATION)
JAIME ENSALDO LOPEZ
CITY OF GLENDALE (WATER)
REMOVING FENCE REQ'D
EXCAVATION STONE PILES AND STONE FENCES REQ'D
GERALDINE JONES-MANTYH
NANCY J. HINKES
DAVID BARNA
SILVIA ILEANA RAMIREZ SUAREZ
THERESA LA LICATA REVOC. TRUST
RICHARD A BROCK
STEVEN FOX
ERIC K. BUCHMANN
RICHARD J. HOLLAND
FAIRLANE AVE
CONSTRUCT CE STA. 33+30.63 RT
CONSTRUCT PE STA. 34+13.80 RT
CONSTRUCT PE STA. 35+08.88 RT
CONSTRUCT PE STA. 38+51.39 RT
MATCH LINE 43+00
MATCH LINE 43+00
CONSTRUCT PE STA. 43+70.36 LT
HEMLOCK RD
WENDING DR
VOGELER LIVING TRUST
DANIEL S MULCAHY
RANDAL N. & JANET G. ARNOLD
JAMES E. BURACZEWSKI
THOMAS A. GENSKE
MICHAEL J. SEBERN
DAVID & DANA ROBBINS
JIAJIE TONG
TODD A. FELDBRUEGGE
SLOPE INTERCEPT (TYP.)
WETLAND BOUNDARY (TYP.)
WE ENERGIES (GAS)
WE ENERGIES (ELECTRIC)
AT&T (COMMUNICATION)
CITY OF GLENDALE (WATER)
STH 57/GREEN BAY AVE
SLOPE INTERCEPT (TYP.)
WE ENERGIES (ELECTRIC)
ABANDONED CISTERN TO REMAIN
REMOVING FENCE REQ'D (WITHIN R/W)
EXCAVATION STONE PILES AND STONE FENCES REQ'D (WITHIN R/W)
PATRICK A. WILLIS
STEFAN C. KARTMAN
FLOYD A. HARRIS
KAREN DOTSON
KAREN G. WOOD
MICHELLE N. SOLOMON
RICHARD K. MUELLER
JACK R. EDELSTEIN
MICHAEL P. & PHYLLIS A. MC DEVITT
JOSEPH W. & WENDY G. SCHERWENKA
ALVIN D. & MARTHA A. STARAL
LISA WEBER
MATCH LINE 58+00

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN	SHEET 150 E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050201-PN.DWG
LAYOUT NAME - 050201-pn
PLOT DATE : 7/30/2026 4:40 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN	SHEET 151	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050201-PN.DWG
LAYOUT NAME - 050202-pn

PLOT DATE : 7/30/2026 4:40 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCH LINE 88+00

MATCH LINE 103+00

MATCH LINE 103+00

MATCH LINE 118+00

VILLAGE OF RIVER HILLS (SANITARY)

CITY OF GLENDALE (WATER)

R/W

90 92 94 96 98 100 102

STH 57/GREEN BAY RD

CAUTION

HAI YUN LU

ODIN P PAYNE

ODIN D PAYNE

VILLAGE OF BROWN DEER (SANITARY)

BARBARA M NEVILLE

VILLAGE OF BROWN DEER (WATER)

PELICAN LN

MGS GUARDRAIL 3 REQ'D SEE GUARDRAIL LAYOUT DETAILS FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

AT&T (COMMUNICATION)

VILLAGE F RIVER HILLS (SANITARY)

PRECISE UNDERGROUND (COMMUNICATION)

NICK AND KATHERINE WOODS

BRADLEY D VOLLMER

TLE

STRUCTURE C-40-078 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

MGS GUARDRAIL 3 REQ'D SEE GUARDRAIL LAYOUT DETAILS FOR ADDITIONAL INFORMATION

SCOTT A KAMELLE

WE ENERGIES (ELECTRIC)

AT&T (COMMUNICATION)

WE ENERGIES (GAS)

SAQIB MASROOR

AT&T (COMMUNICATION)

EVERSTREAM (COMMUNICATION)

BRADLEY RD

WETLAND BOUNDARY (TYP.)

AT&T (COMMUNICATION)

THEODORA SKODRAS

ALFRED E MOSES

BRUCE B WILLKOMM

JUDITH MASZK

SHARONDA Y SHARP

PARBS WILLIAM E & PATRICIA E REV TRUST

TRACY L APPS

MR RAMON VELAZQUEZ

JONATHAN J KRAVIT

AMBER B SCHOELLER

ANTHONY LAWRENCE

DARRYL E SMITH

TIFFANIE ACEVEDO

RICHMOND IZARD MINISTRIES INC

MARGARET M KOCH

EMMANUEL IGWIKE

KURT SIMANDL

SERVICE RD

CAUTION

WE ENERGIES (GAS)

VILLAGE OF BROWN DEER (SANITARY)

VILLAGE OF BROWN DEER (WATER)

104 106 108 110 112 114 116

STH 57/GREEN BAY RD

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

SLOPE INTERCEPT (TYP.)

WE ENERGIES (ELECTRIC)

TLE

WETLAND BOUNDARY (TYP.)

RICHARD W HORSFIELD

RICHARD A PAULSEN

DARRELL L HINES

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN	SHEET 152 E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050201-PN.DWG
LAYOUT NAME - 050203-pn

PLOT DATE : 7/30/2026 4:40 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

5

MATCH LINE 118+00

VILLAGE OF BROWN DEER (SANITARY)

MICHAEL L HOWELL

37TH ST

R/W

MELVIN EHNERT

WE ENERGIES (GAS)

KIRCHHOFF AVE

VILLAGE OF BROWN DEER (WATER)

DAVID W RIVERS

PAVEL BORDETSKY

REM WISCONSIN II, INC

CEDARBURG RD

SHAHROOZ

DITCH CLEANING REQ'D TO EXPOSE ENDWALL

WETLAND BOUNDARY (TYP.)

TLE

118 120 122 124 126 128 130 132

STH 57/GREEN BAY RD

CAUTION

PAUL AYERS

AT&T (COMMUNICATION)

WE ENERGIES (ELECTRIC)

SLOPE INTERCEPT (TYP.)

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

ROBERT C BRUNNER ESTATE

MATCH LINE 133+00

5

SEE CONSTRUCTION DETAILS-SOUTHBRANCH CREEK FOR ADDITIONAL INFORMATION

END CONSTRUCTION STA 140+46.72

FARAHBAKHSH

JAMES A KOSICK

RIVER REVITALIZATION FOUNDATION

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

CTH D/TEUTONIA AVE

VILLAGE OF BROWN DEER (WATER)

R/W

WE ENERGIES (GAS)

STRUCTURE B-40-155 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

MATCH LINE 133+00

134 136 138 140 142 144

CAUTION

STH 57/GREEN BAY RD

GREEN BAY CT

WE ENERGIES (ELECTRIC)

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

END PROJECT STA 137+81.52

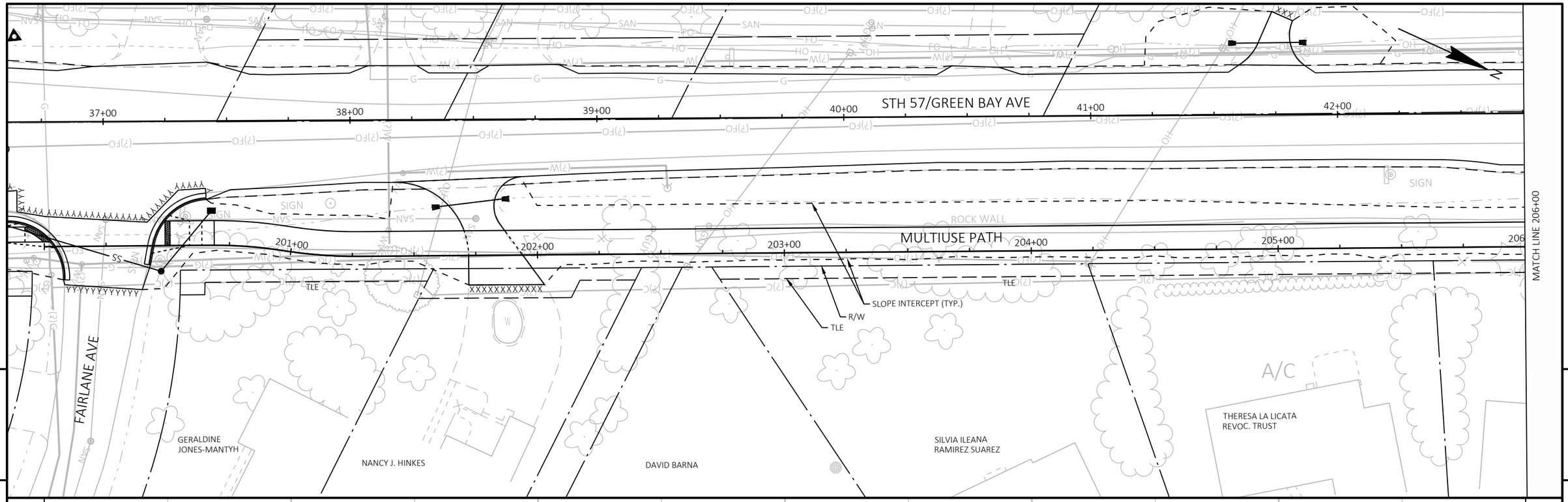
VILLAGE OF BROWN DEER (SANITARY)

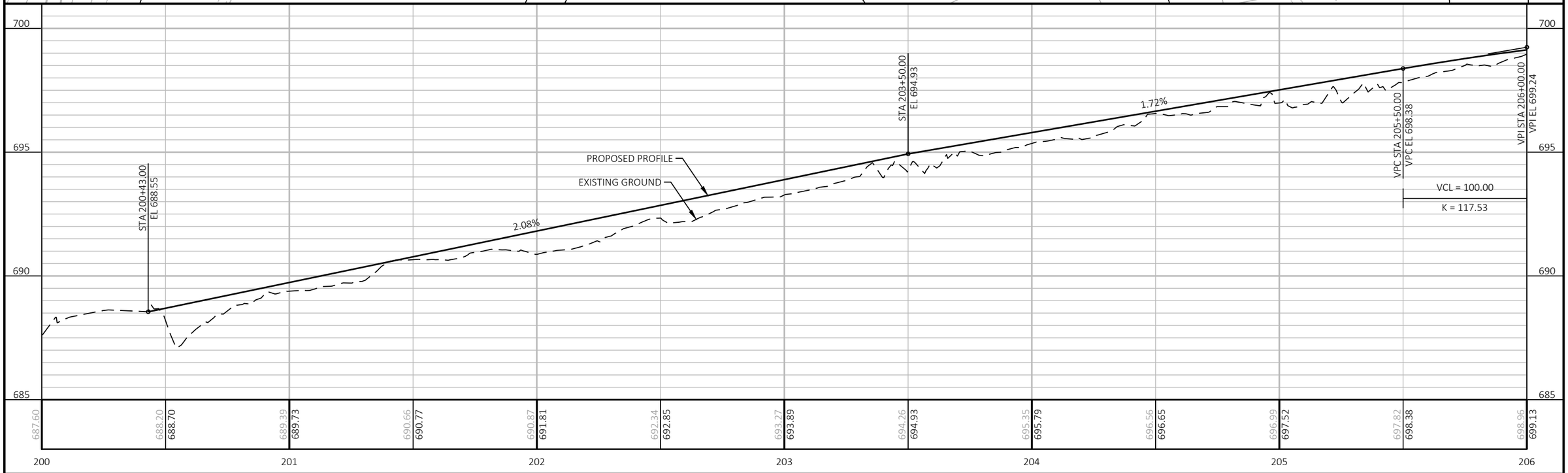
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN	SHEET 153	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050201-PN.DWG
LAYOUT NAME - 050204-pn

PLOT DATE : 7/30/2026 4:41 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

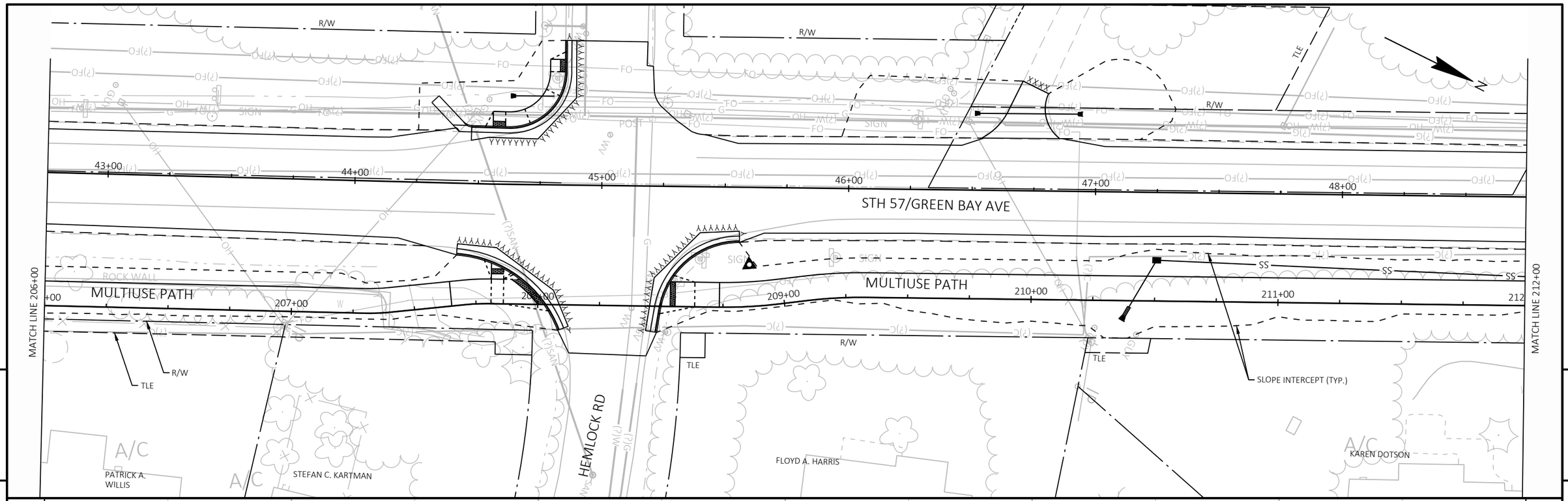
WISDOT/CADDS SHEET 44

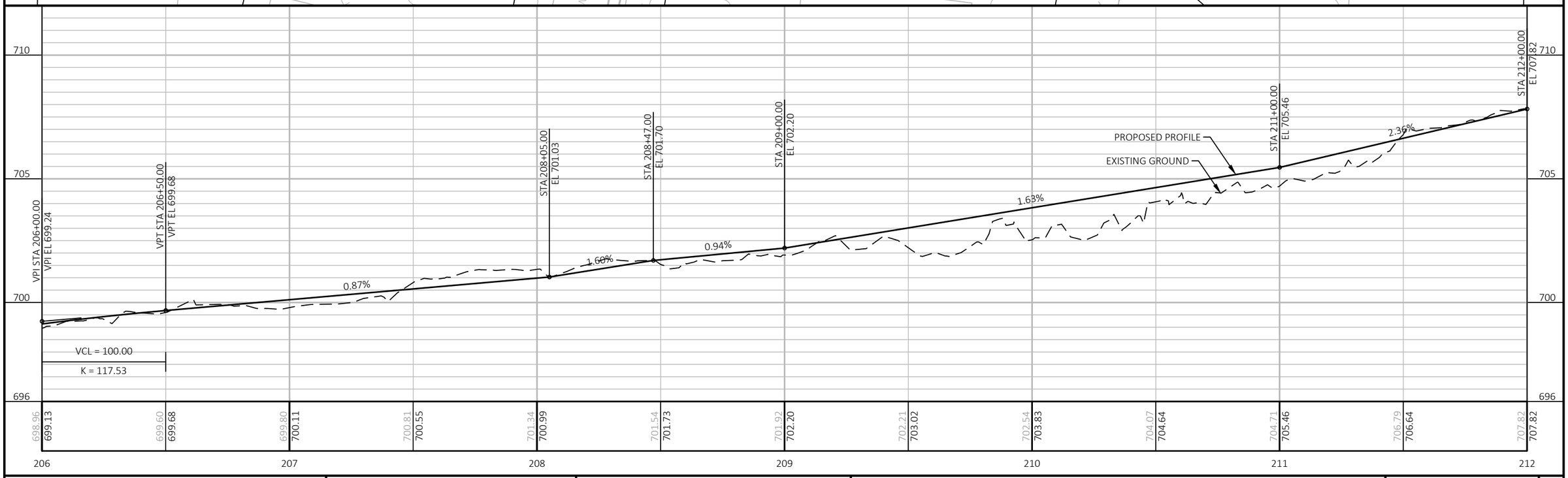




PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 154	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/30/2026 4:35 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 155	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050101-PP.DWG
LAYOUT NAME - 050102-pp

PLOT DATE : 7/30/2026 4:35 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

STH 57/GREEN BAY AVE

MULTIUSE PATH

MATCH LINE 212+00

MATCH LINE 218+00

49+00 50+00 51+00 52+00 53+00 54+00

213+00 214+00 215+00 216+00 217+00 218

SS

SIGN

TLE

R/W

SLOPE INTERCEPT (TYP.)

WALLS

POST

KAREN G. WOOD

MICHELLE N. SOLOMON

RICHARD K. MUELLER

JACK R. EDELSTEIN

5

5

720 715 710 705

STA 212+00.00
EL 707.82

VPC STA 212+80.00
VPC EL 710.24

VPI STA 213+55.00
VPI EL 712.50

HP STA 213+65.02
HP EL 711.52

VPT STA 214+30.00
VPT EL 710.77

VPC STA 214+35.00
VPC EL 710.65

LP STA 214+76.52
LP EL 710.17

VPI STA 214+85.00
VPI EL 709.50

VPC STA 215+85.00
VPC EL 712.75

VPT STA 215+35.00
VPT EL 711.12

VPI STA 216+85.00
VPI EL 716.00

HP STA 217+28.96
HP EL 715.09

VPT STA 217+85.00
VPT EL 714.73

PROPOSED PROFILE

EXISTING GROUND

3.02%

-2.31%

3.25%

VCL = 150.00
K = 28.16

VCL = 100.00
K = 17.99

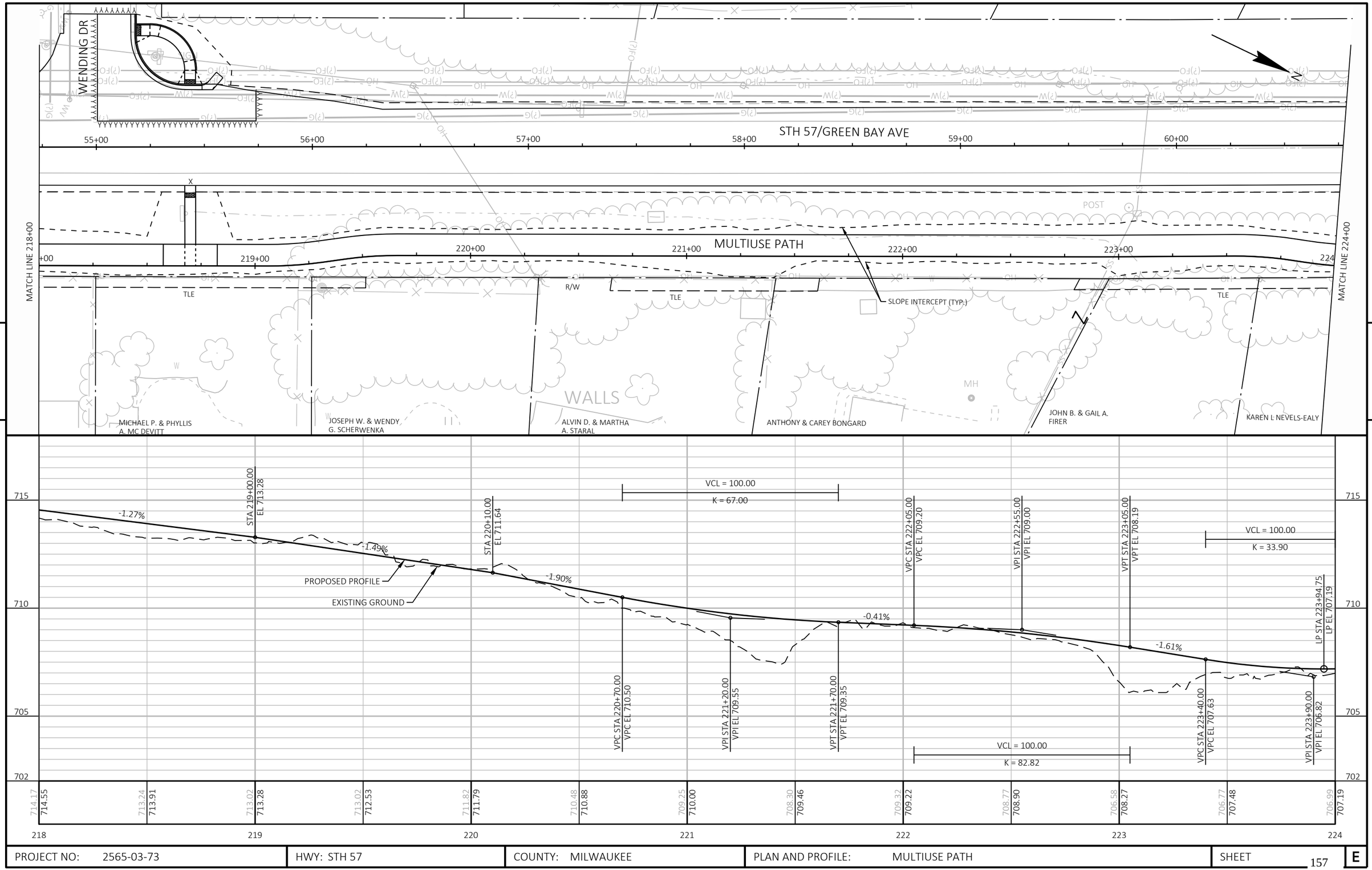
VCL = 200.00
K = 44.30

707.82 708.08 711.16 712.04 711.05 709.70 709.91 711.52 713.08 714.25 714.77 714.68 714.17
707.82 709.33 710.77 711.48 711.30 710.37 710.33 711.61 713.21 714.39 714.99 715.04 714.55

212 213 214 215 216 217 218

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 156	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050101-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 7/30/2026 4:35 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

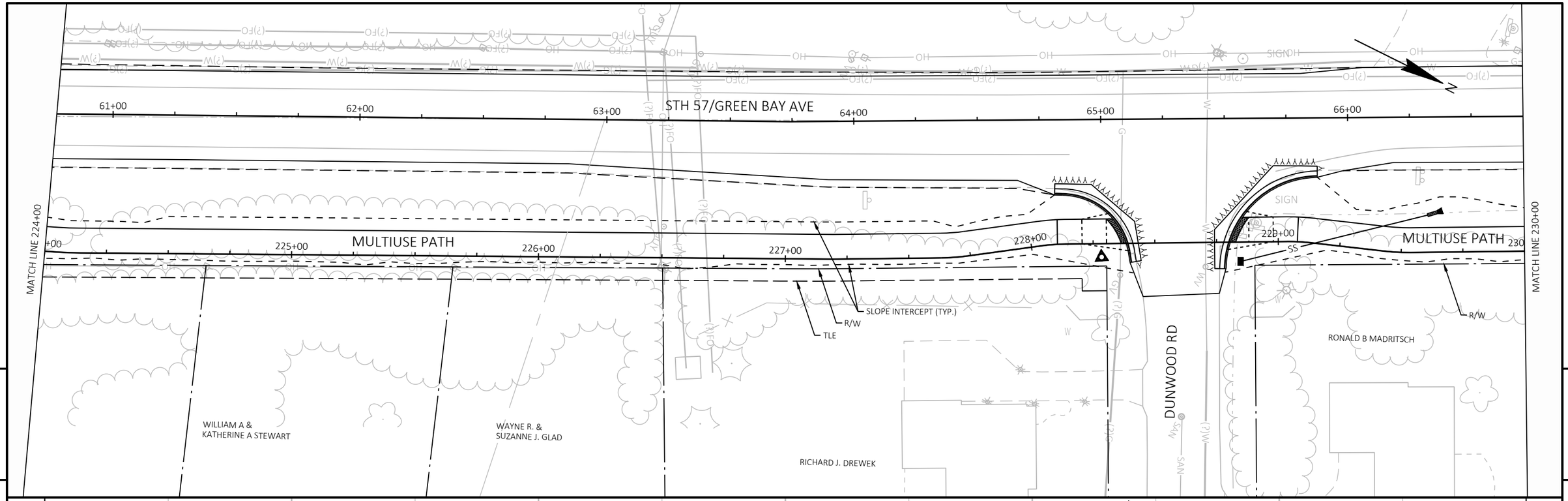


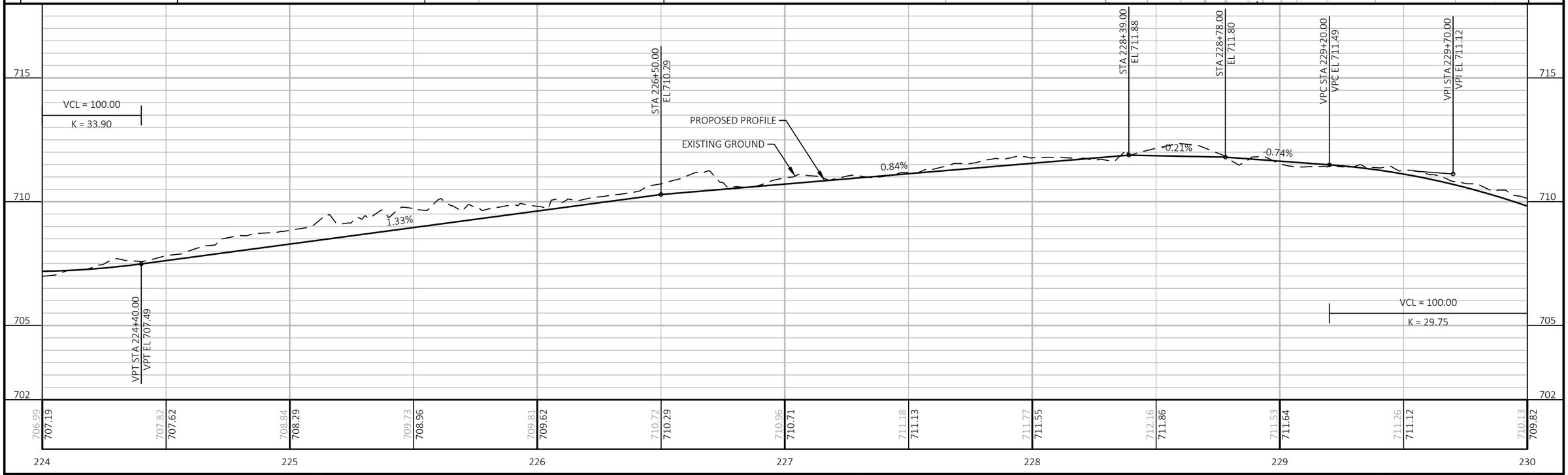
5

5

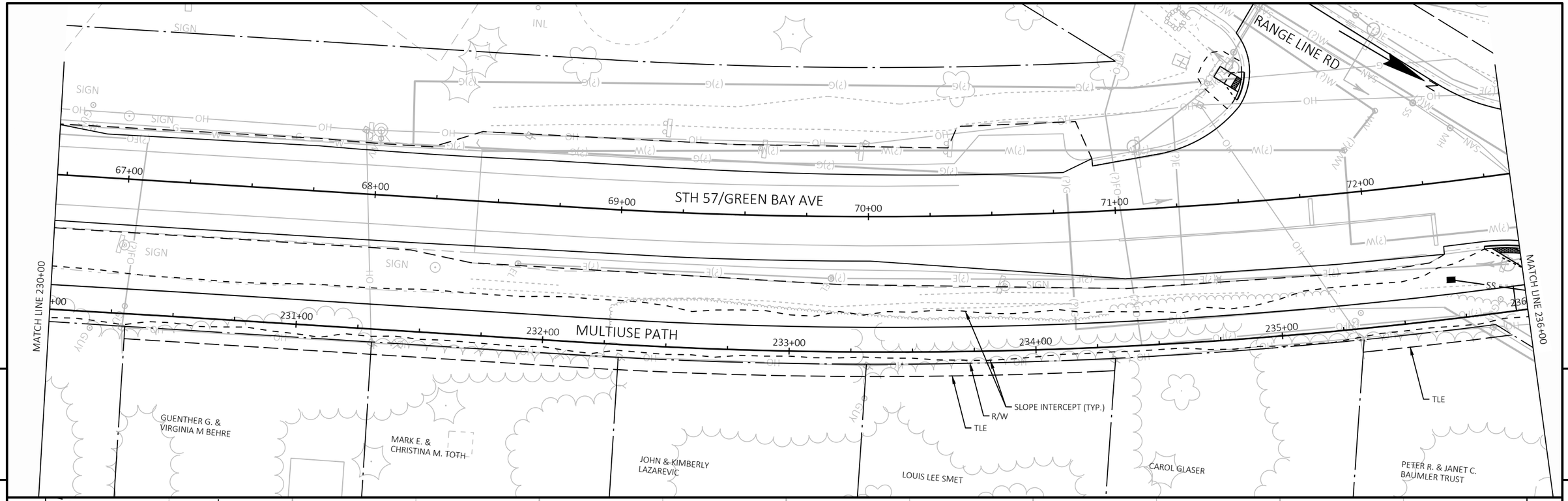
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 157	E

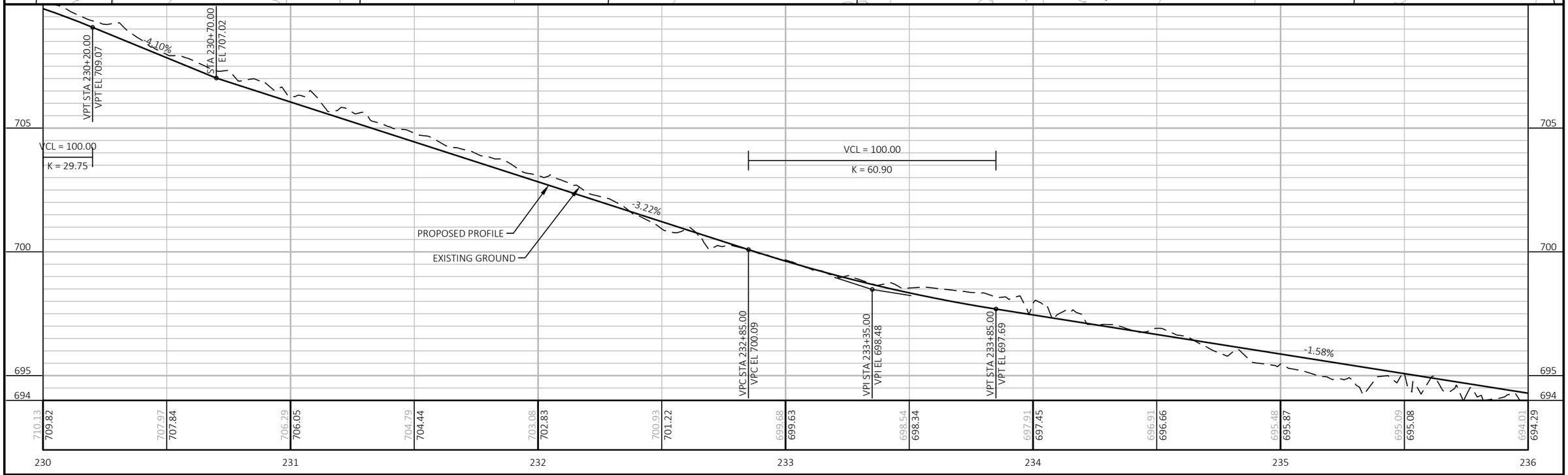
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050101-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 7/30/2026 4:35 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



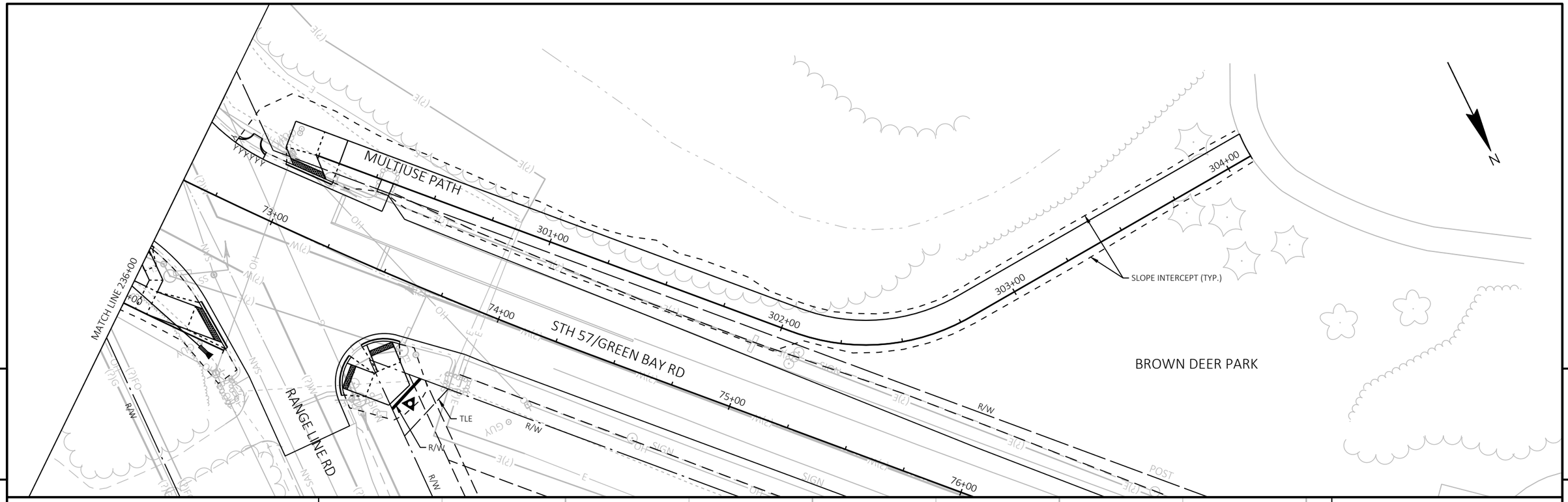


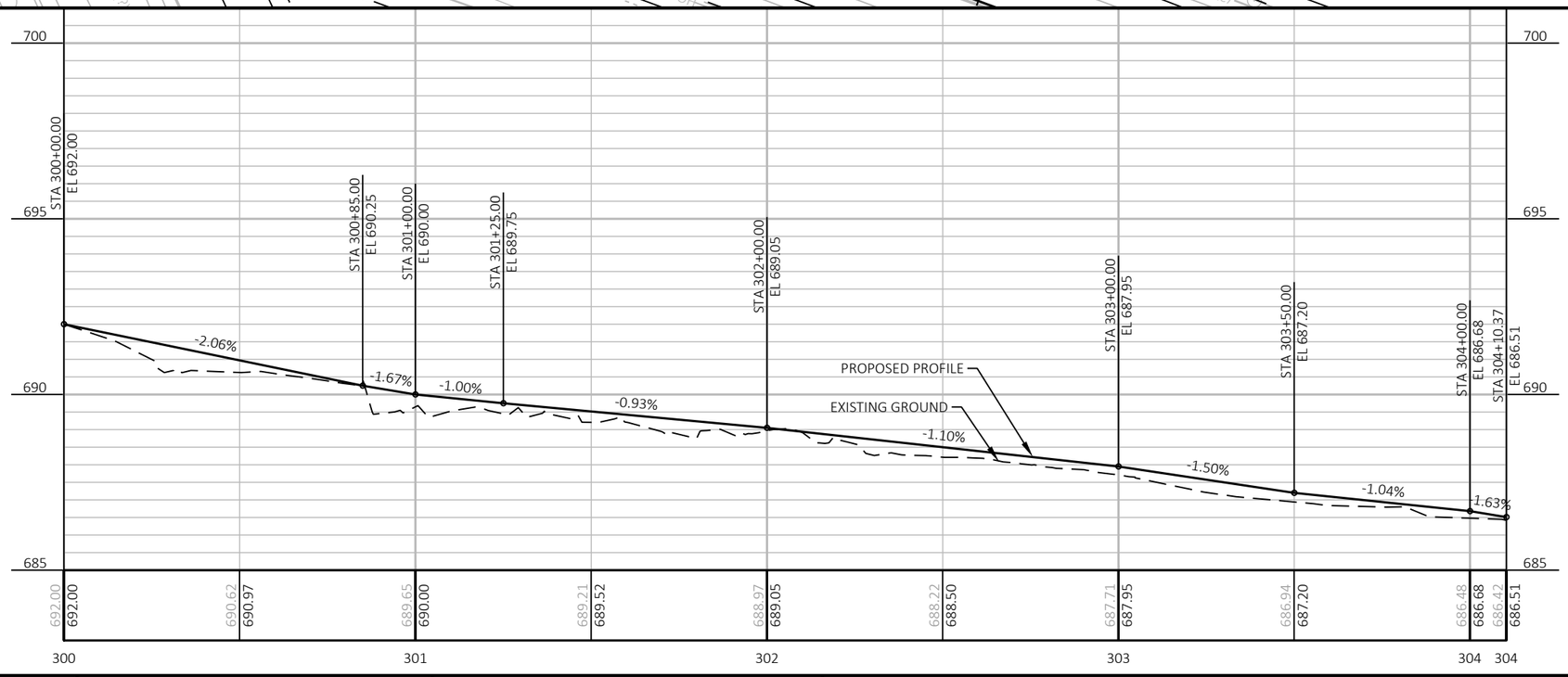
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 158	E





PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: MULTIUSE PATH	SHEET 159	E





PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PLAN AND PROFILE: BROWN DEER PARK	SHEET 160	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\050101-PP.DWG
LAYOUT NAME - 050110-pp

PLOT DATE : 7/30/2026 4:35 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

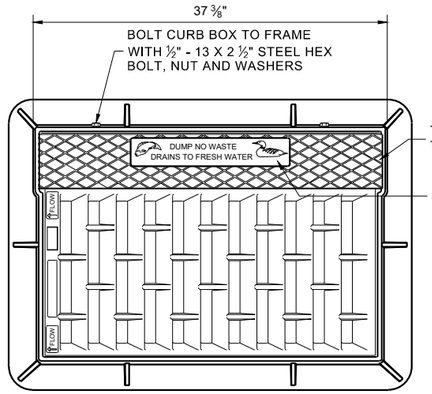
08A05-22A	INLET COVERS TYPE A, H, A-S, H-S AND Z
08A05-22B	INLET COVERS TYPE B, B-A, C, MS, MS-A, DW AND WM
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-24A	CONCRETE CURB AND GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES
08D05-23B	CURB RAMPS TYPES 2 AND 3
08D05-23C	CURB RAMPS TYPES 4A AND 4A1
08D05-23D	CURB RAMPS TYPES 4B AND 4B1
08D05-23E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-23F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD
08D05-23G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPES A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE
09A11-01	DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y
09B02-10	CONDUIT
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C08-03	CONCRETE PAVEMENT PARTIAL DEPTH REPAIR
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C14-07A	BASE PATCHING CONCRETE
13C14-07B	BASE PATCHING CONCRETE
13C14-07C	BASE PATCHING CONCRETE
13C15-08A	CONCRETE BASE
13C15-08B	CONCRETE BASE
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-08E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
13C19-03	HMA LONGITUDINAL JOINTS
14B28-04A	GUARDRAIL MOW STRIP
14B28-04B	GUARDRAIL MOW STRIP
14B33-02G	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B33-02H	CONCRETE BARRIER SINGLE SLOPE 42" THRIE BEAM ANCHOR
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

6

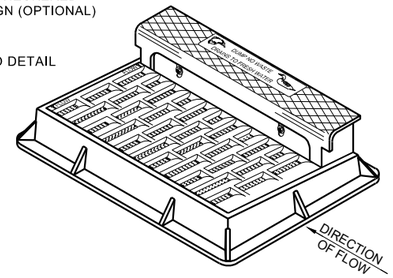
Standard Detail Drawing List

14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B53-03A	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03B	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03C	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03D	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03E	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03F	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03G	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03H	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
14B53-03I	SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-10A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-10B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-10C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16D	ROUNDABOUT MARKING ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-11B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09A	MEDIAN ISLAND PAVEMENT MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C20-02	YIELD MARKINGS
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D20-12A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE
15D30-12A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

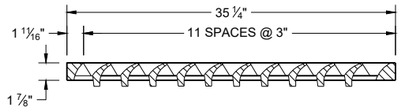
6

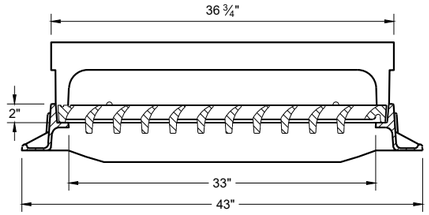


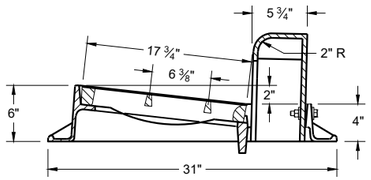
NOTE: EITHER CASTING IS ACCEPTABLE

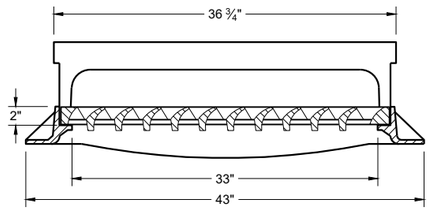


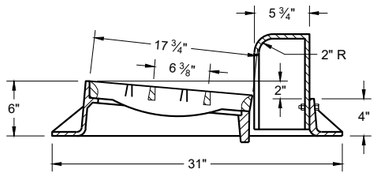
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







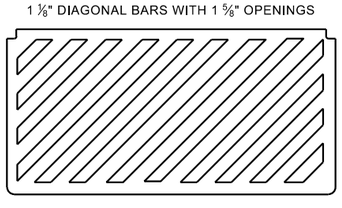




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

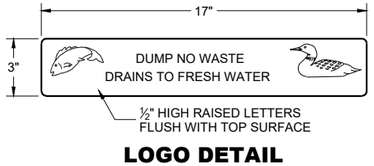
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



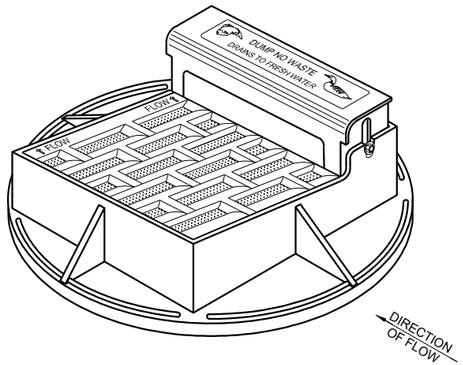
LOGO DETAIL

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.

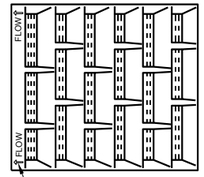
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

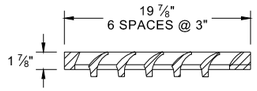
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

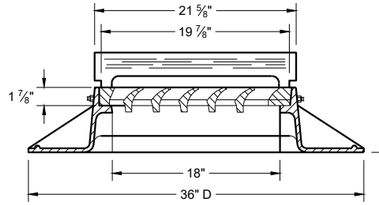


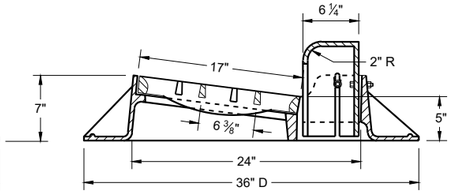
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE



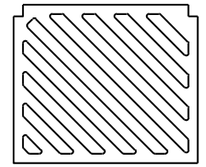






TYPE "A"

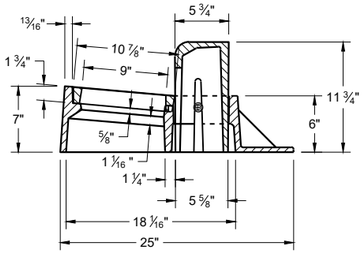
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



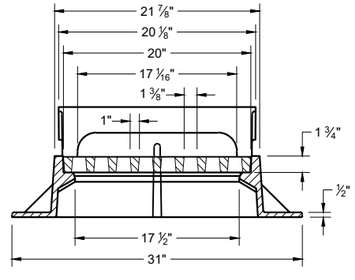
SPECIAL GRATE FOR TYPE "A" COVER

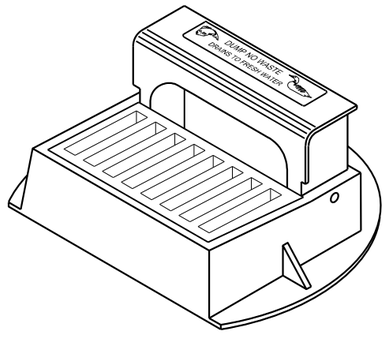
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





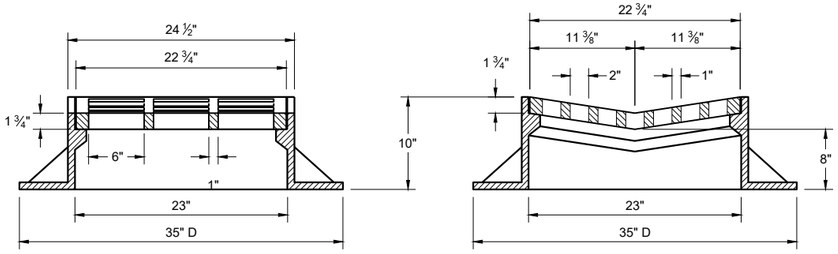
INLET COVERS
TYPES A, H, A-S, H-S AND Z

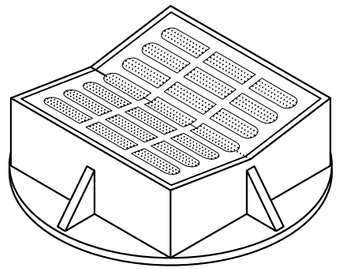
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025
DATE

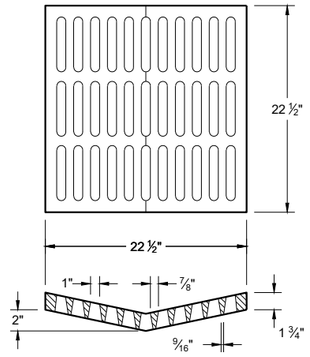
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





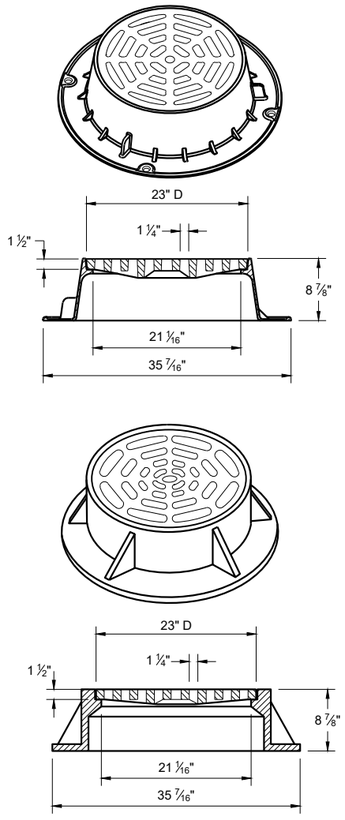
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

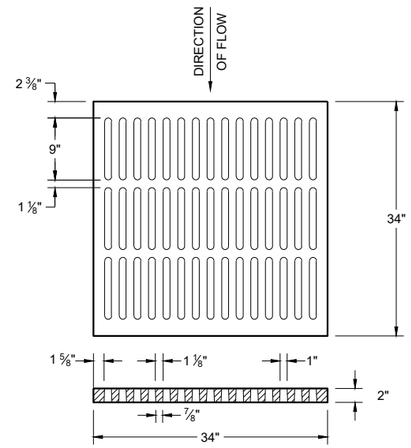
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

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

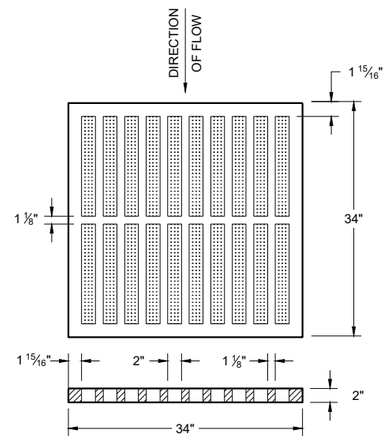
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

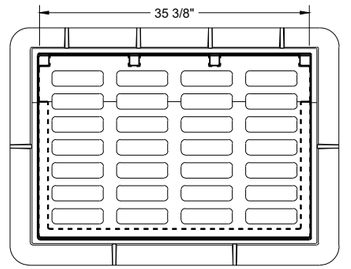
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

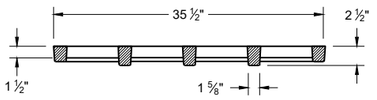


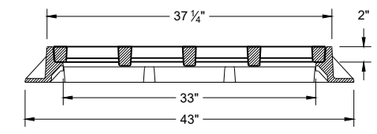
TYPE "MS"

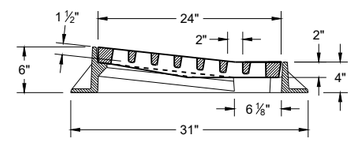
USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



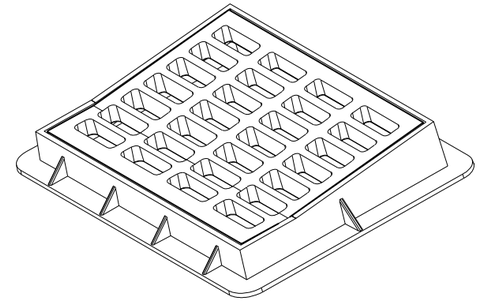


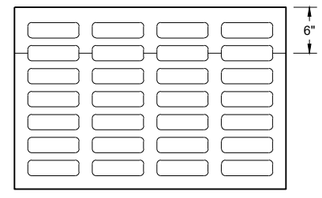


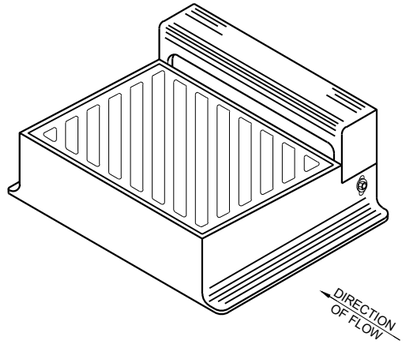


TYPE "DW"

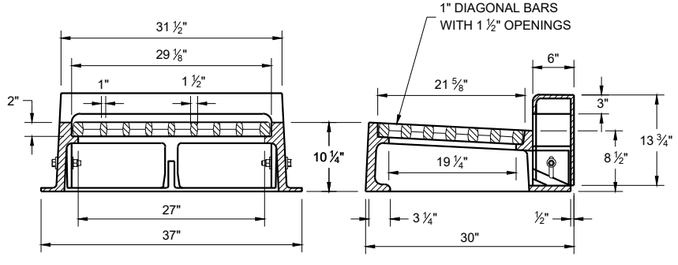
NOTES: FOR USE IN A SUMP CONDITION. THIS OPTION IS ONLY TO BE USED IF NO OTHER INLETS ARE APPLICABLE.







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



TYPE "WM"

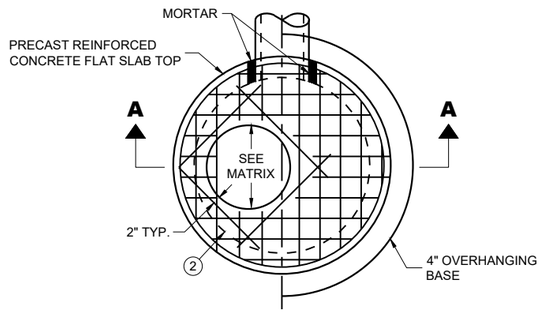
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS
TYPES B, B-A, C,
MS, MS-A ,DW AND WM

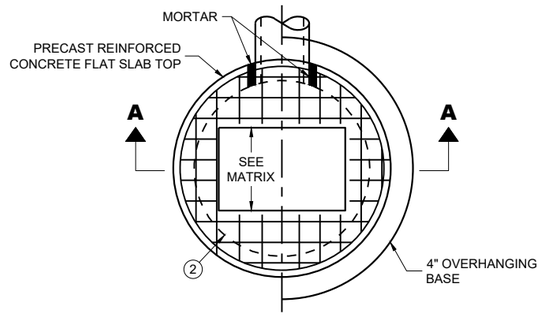
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

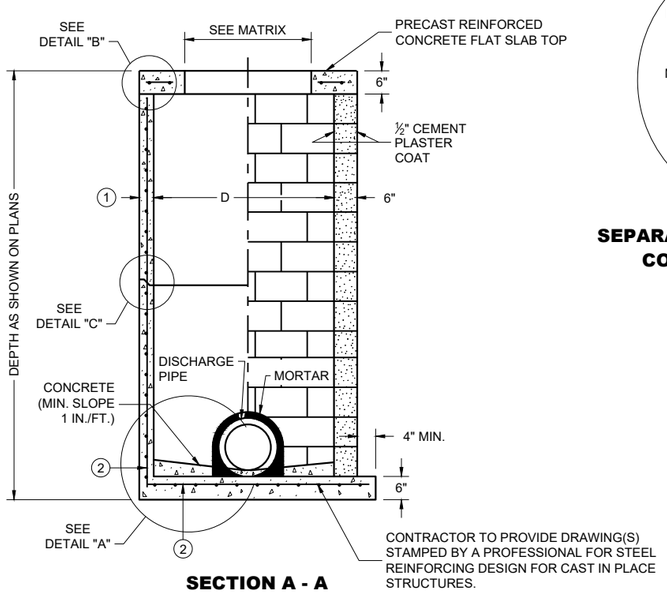
FHWA



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

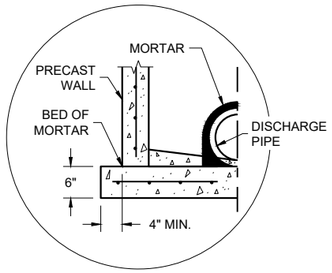
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

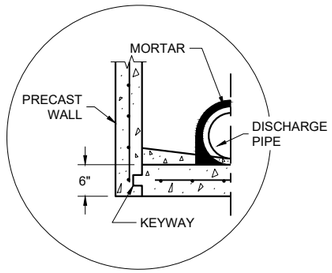
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

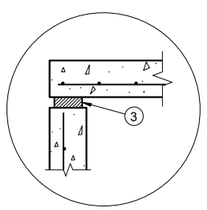


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

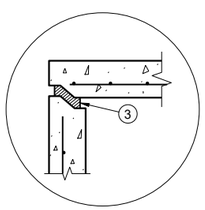


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

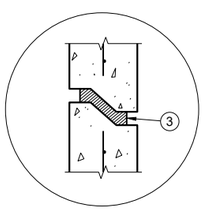
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

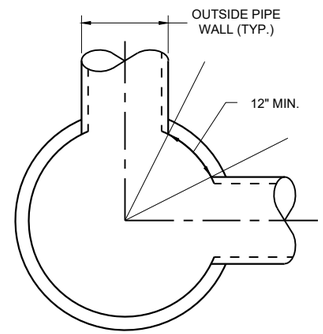
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

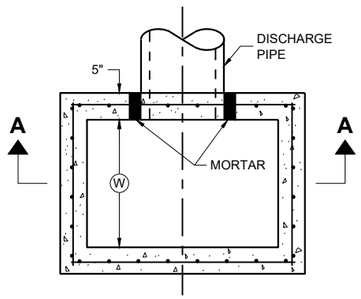
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

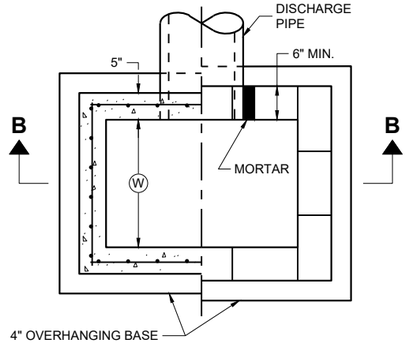
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

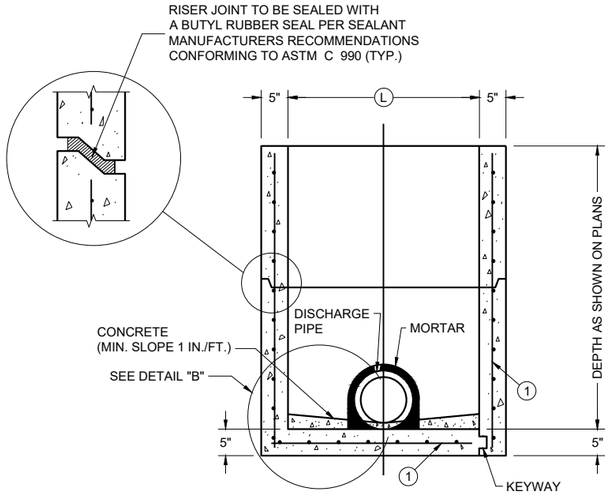
6
SDD 08C06-03



PLAN VIEW



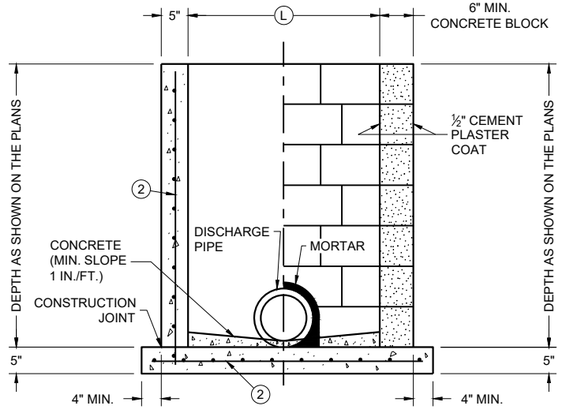
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

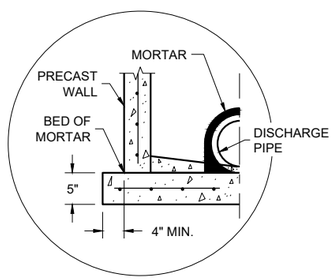
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

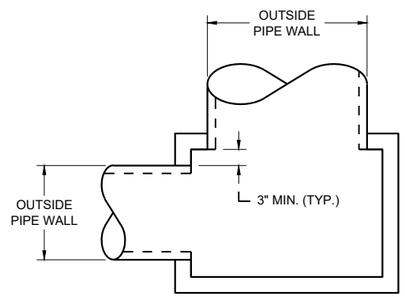
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

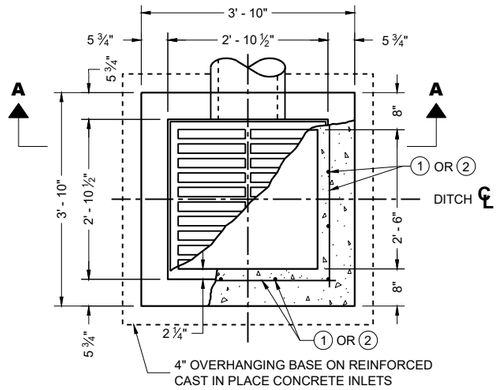
FHWA

6

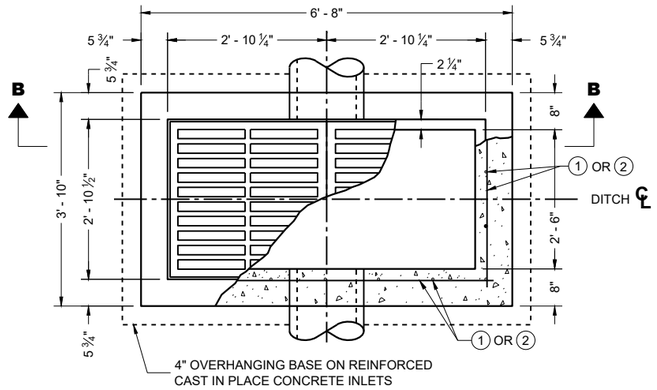
SDD 08C07-03

6

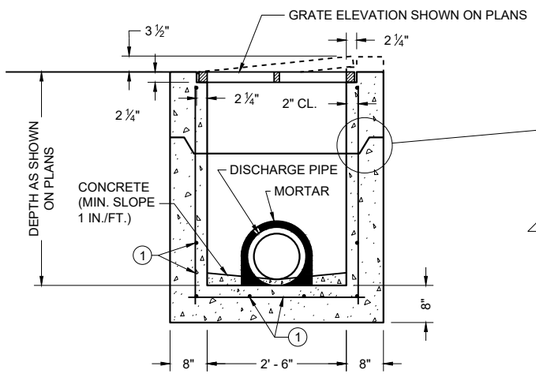
SDD 08C07-03



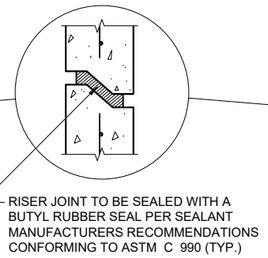
PLAN VIEW

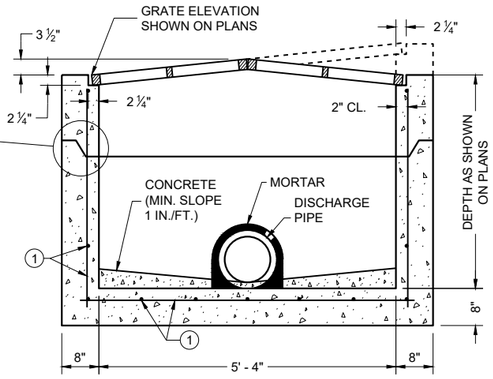


PLAN VIEW

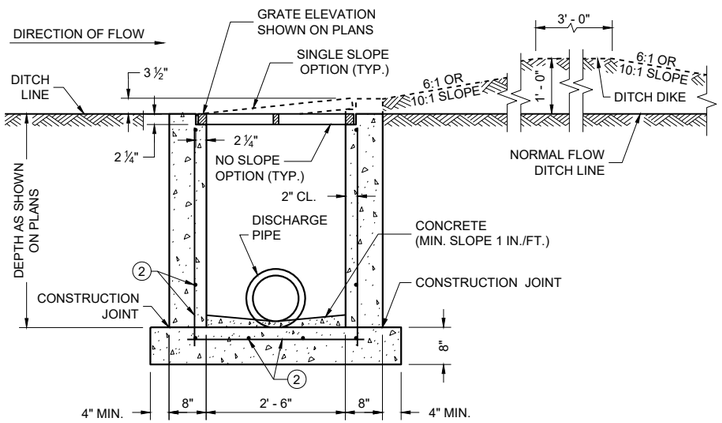


PRECAST REINFORCED CONCRETE SECTION A - A



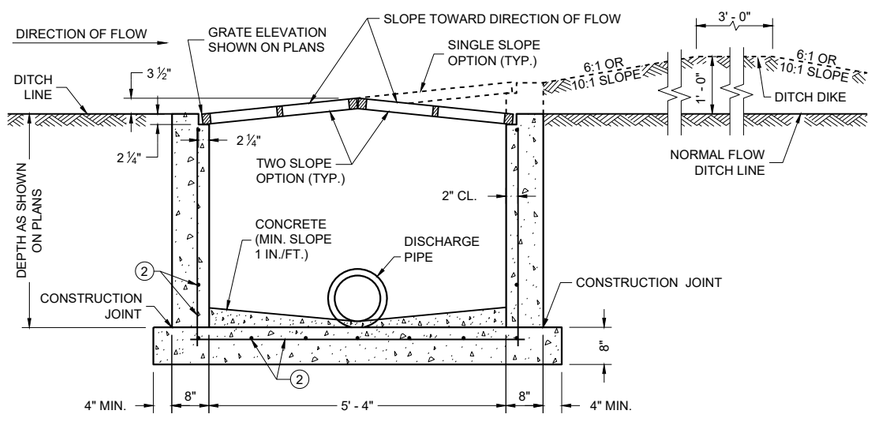


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

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

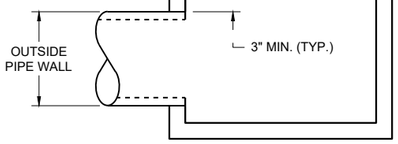
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

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

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

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



DETAIL "A"

PIPE MATRIX

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

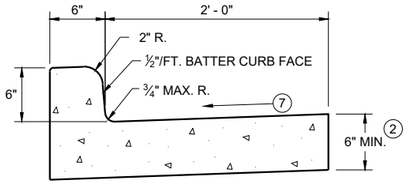
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

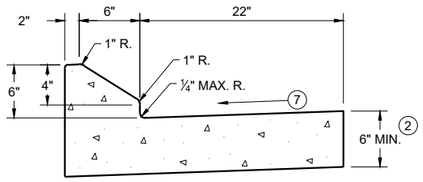
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

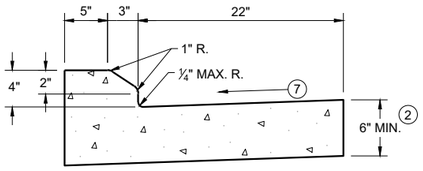
6
SDD 08C08-03



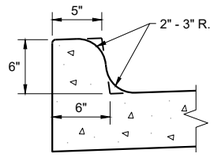
TYPES A (1) & D



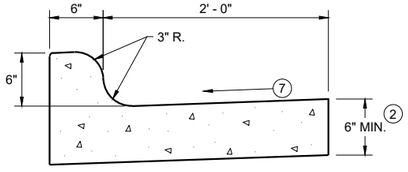
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

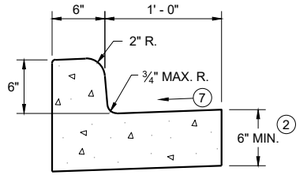


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



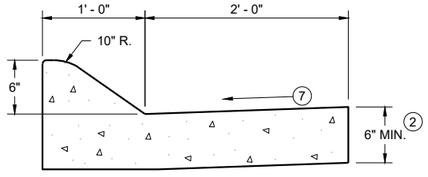
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

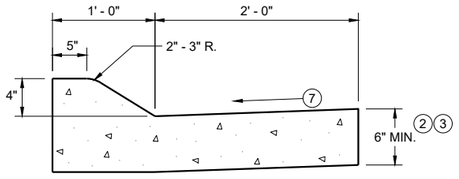


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

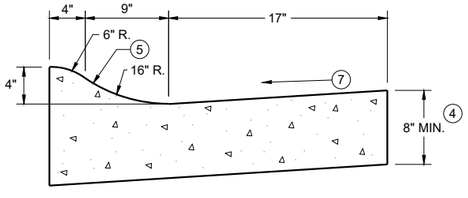


6" SLOPED CURB TYPES A (1) & D



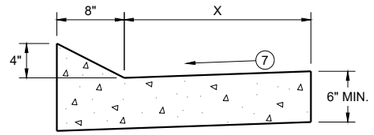
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

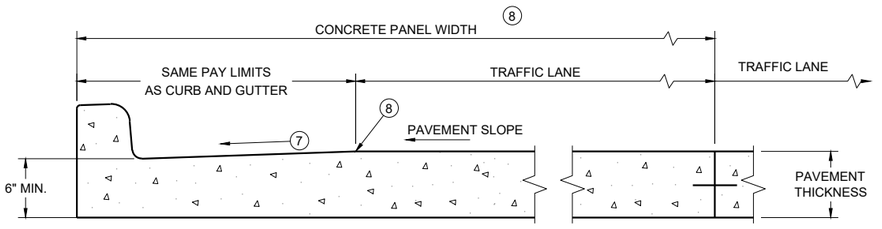


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

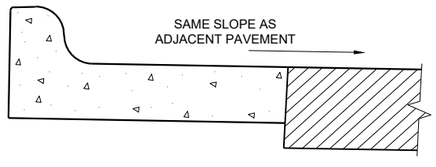
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

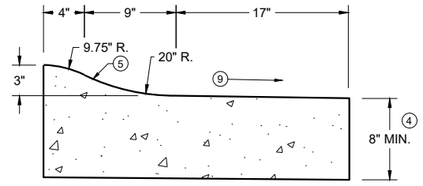
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(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.

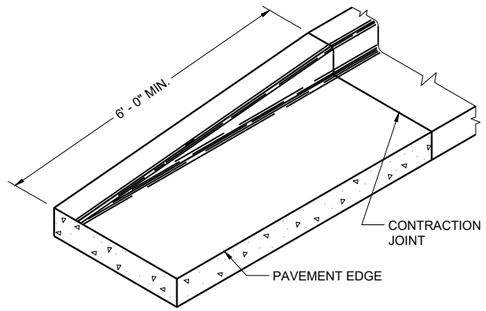
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



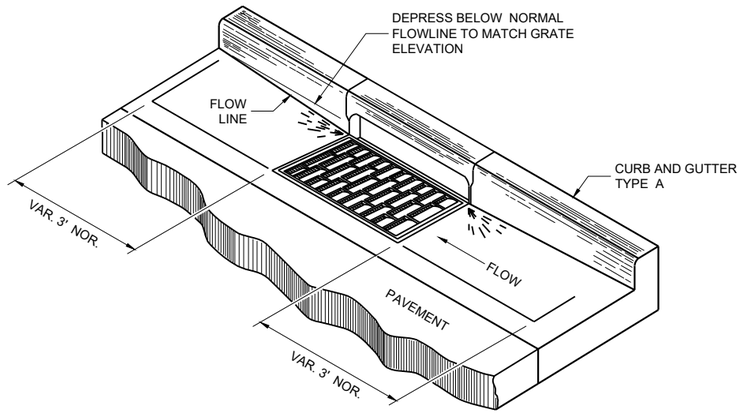
3" SLOPED CURB TYPES R (1) & T

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.

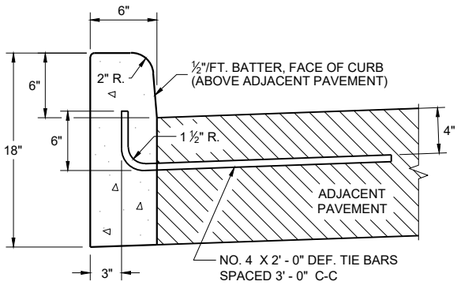
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

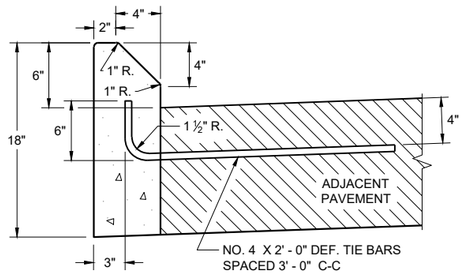
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

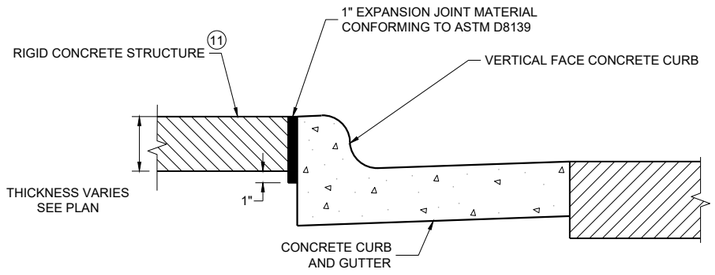


TYPES A (1) & D

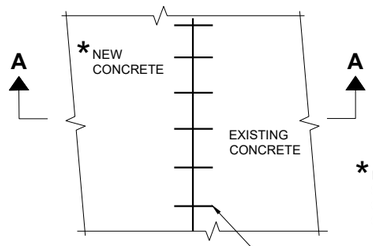


TYPES G (1) & J

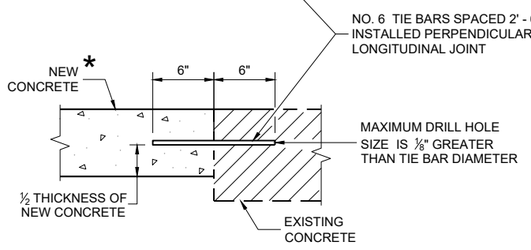
CONCRETE CURB



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

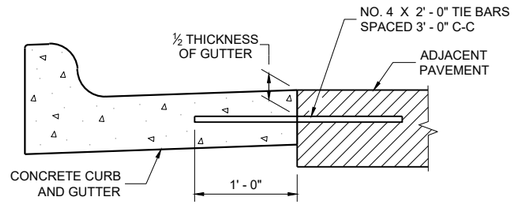


PLAN VIEW

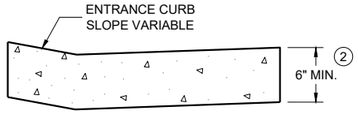


SECTION A - A

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

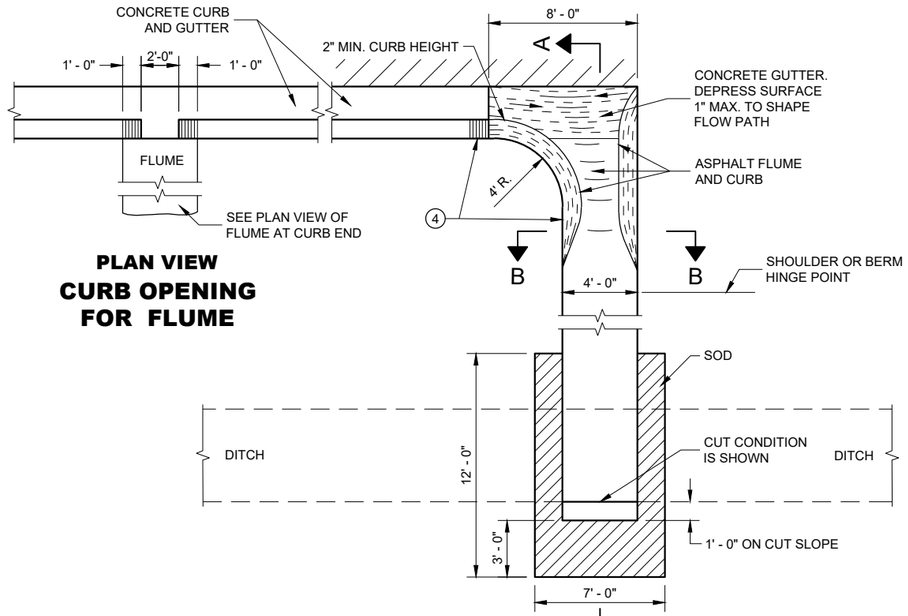
APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-24b

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

ASPHALTIC FLUME

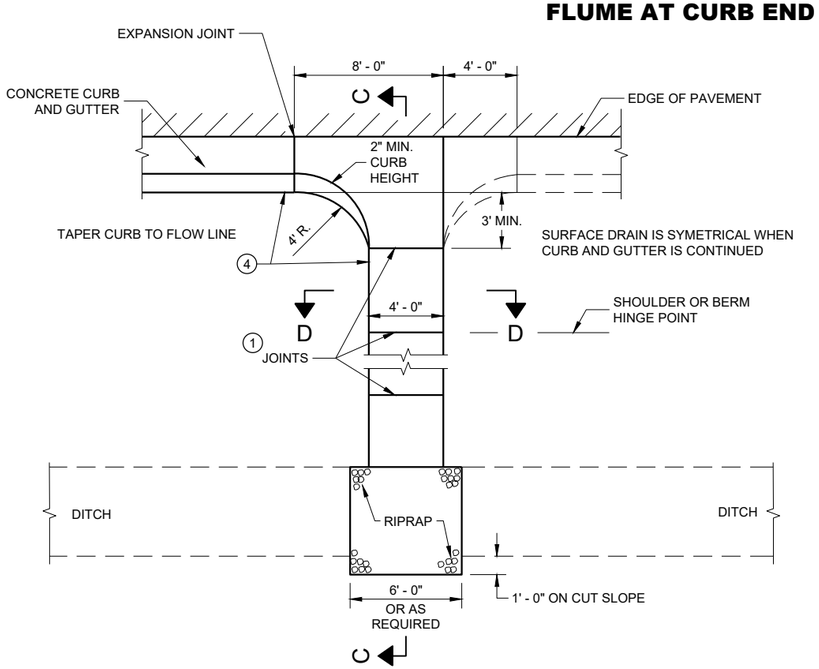


PLAN VIEW

CURB OPENING FOR FLUME

PLAN VIEW

FLUME AT CURB END



PLAN VIEW

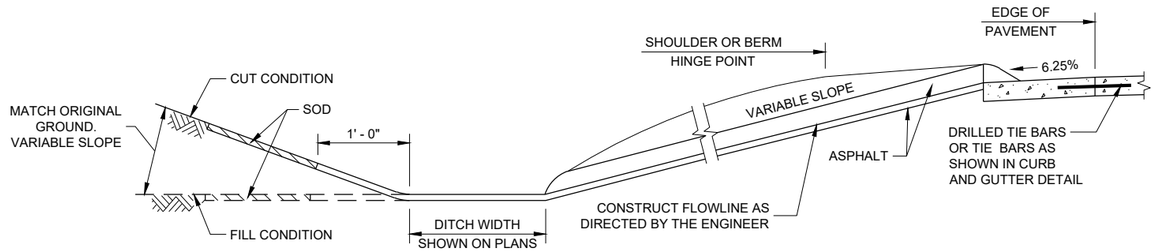
CONCRETE SURFACE DRAIN

GENERAL NOTES

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

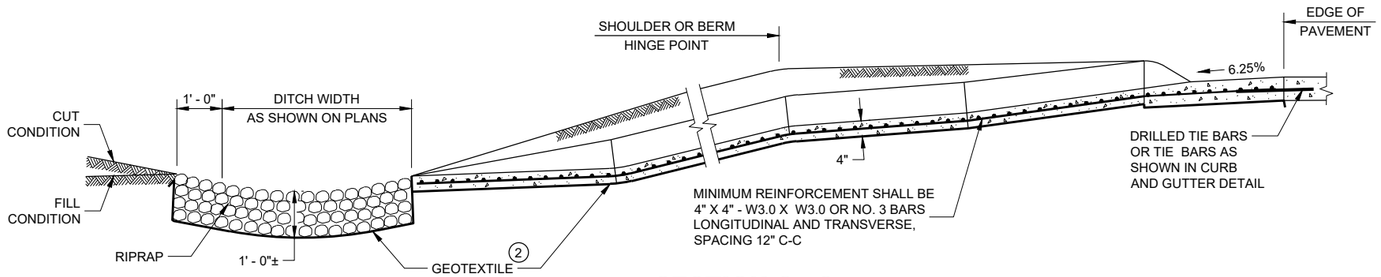
4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.

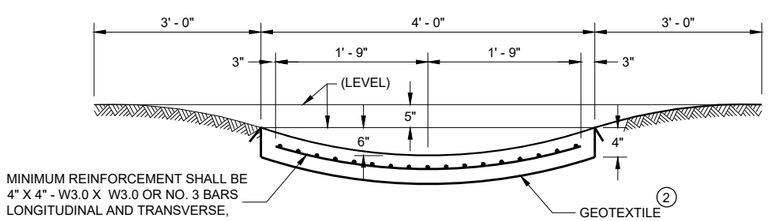


SECTION A - A

SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

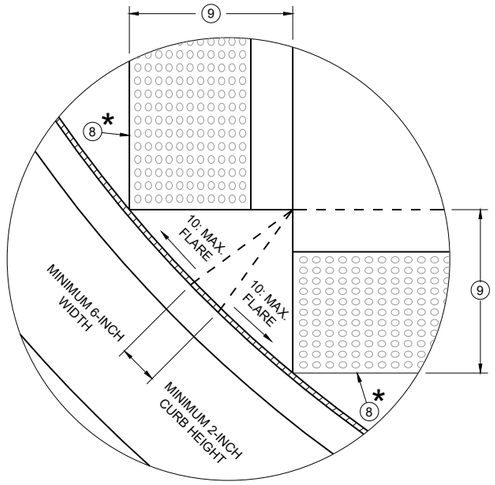
FHWA

6

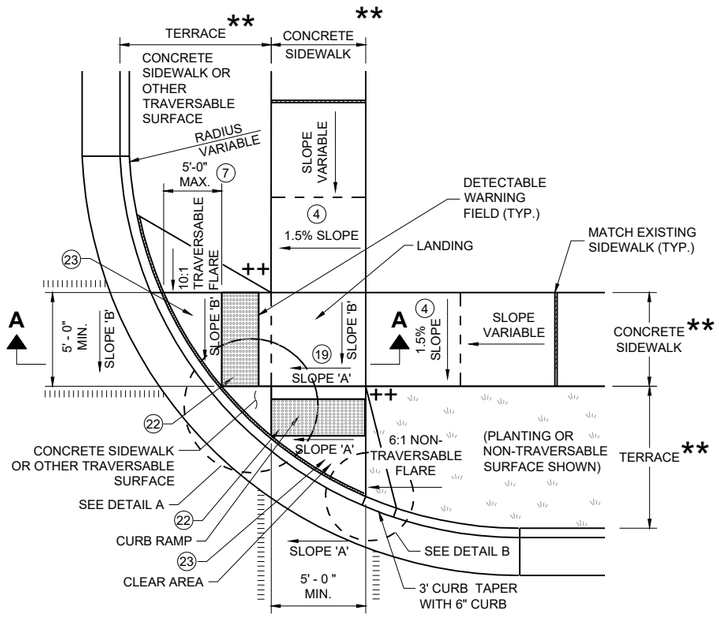
SDD 08D04 - 07

6

SDD 08D04 - 07



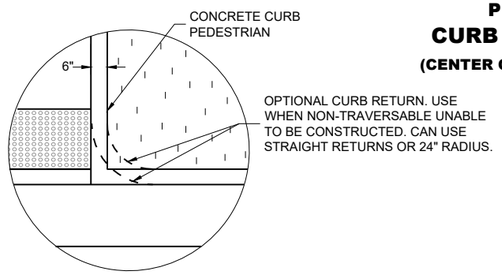
DETAIL A



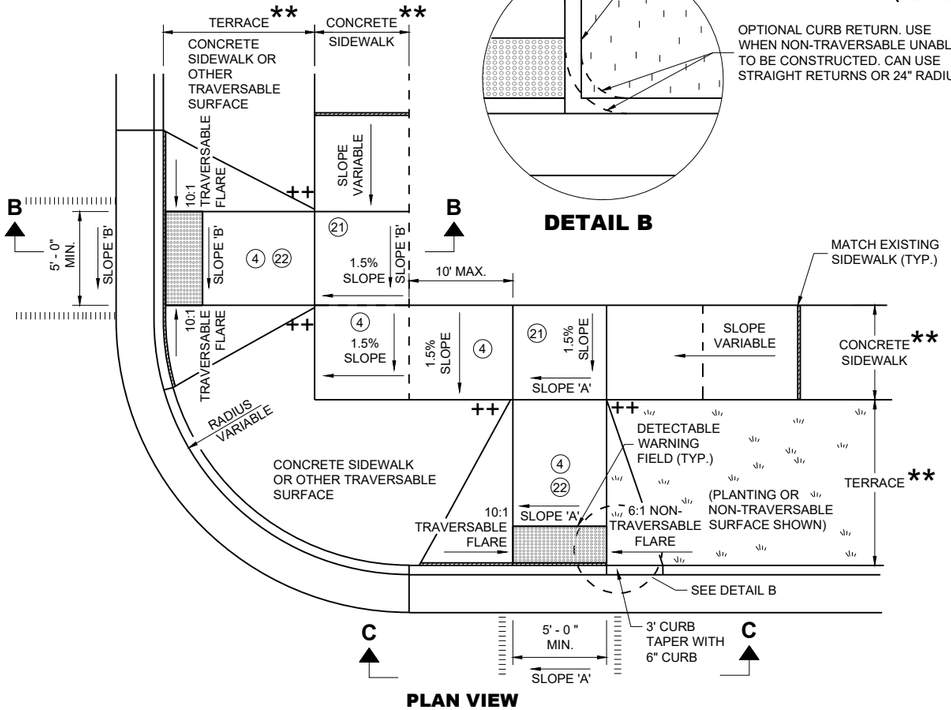
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

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

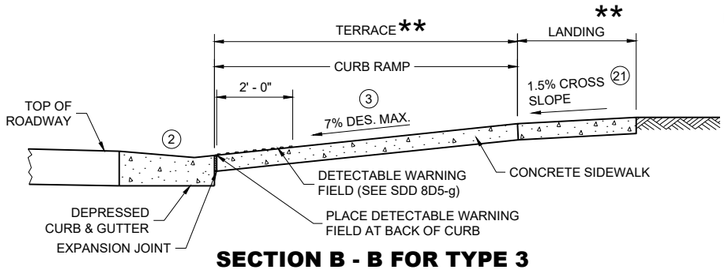
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(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.

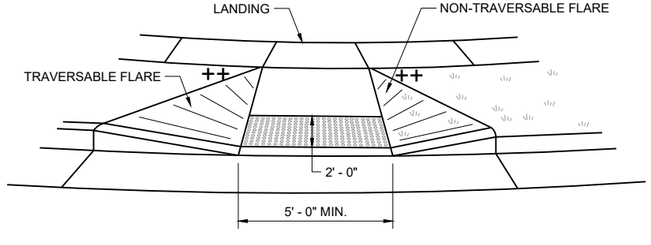
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(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.

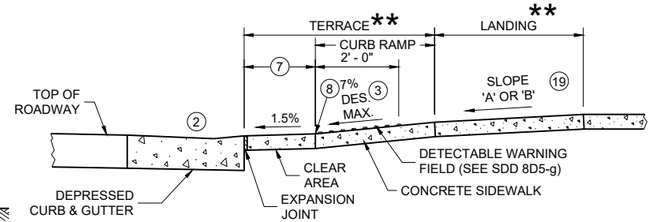
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

LEGEND

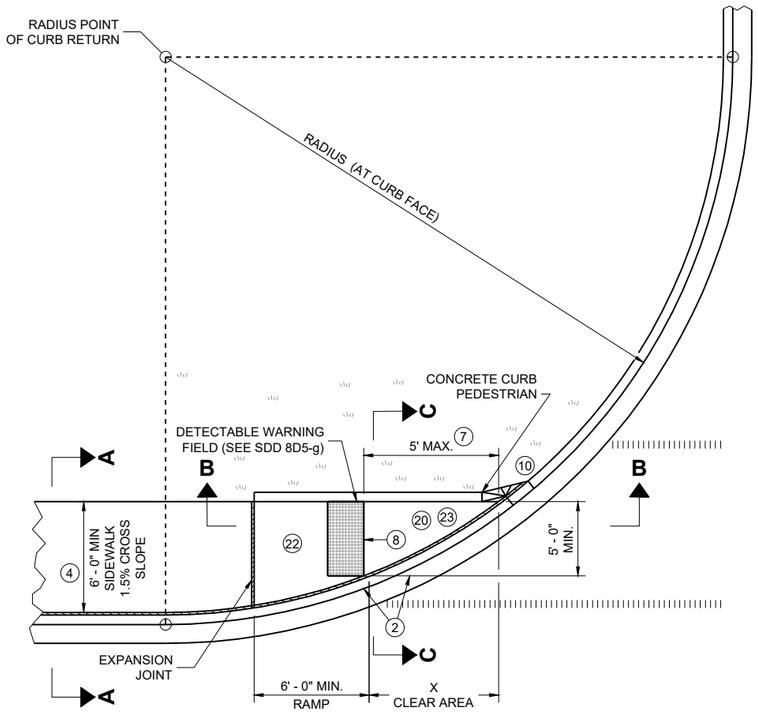
▨	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıllıllıllıllıl	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

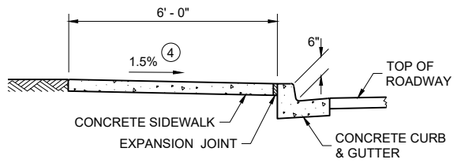
6

SDD 08D05-23b

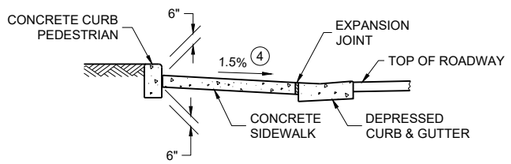


PLAN VIEW

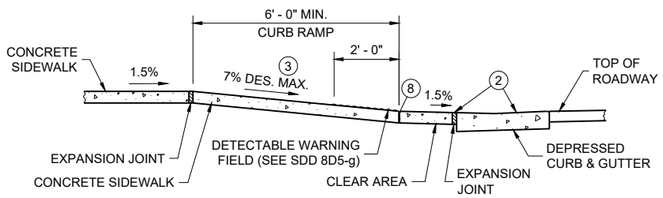
CURB RAMP TYPE 4A



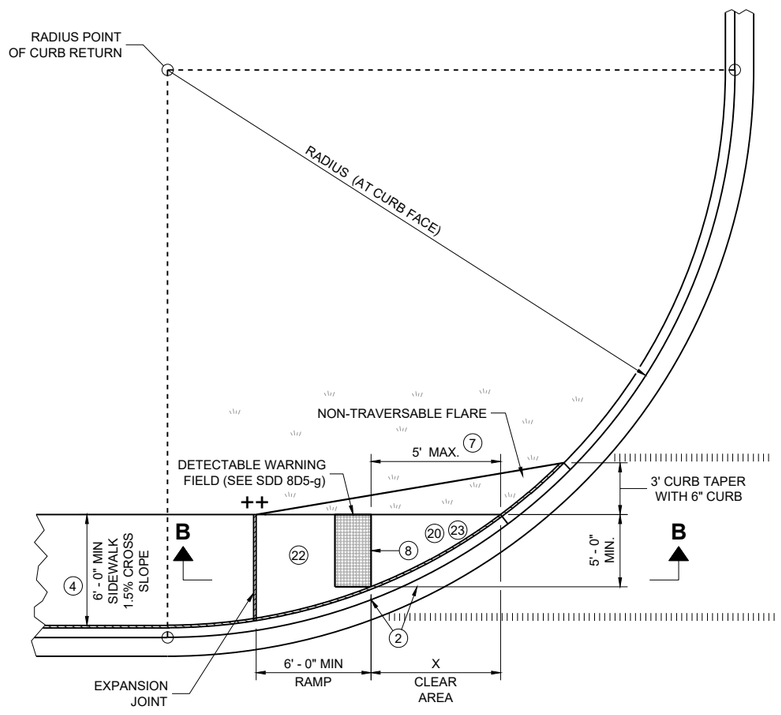
SECTION A - A FOR TYPE 4A



SECTION C - C FOR TYPE 4A



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



PLAN VIEW

CURB RAMP 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

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.

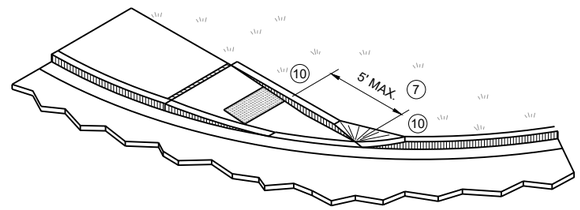
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

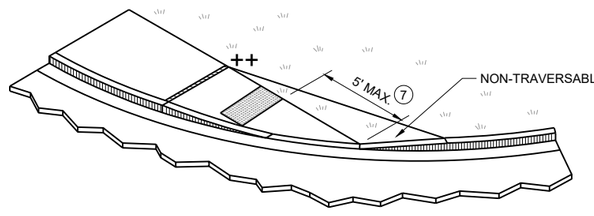
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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

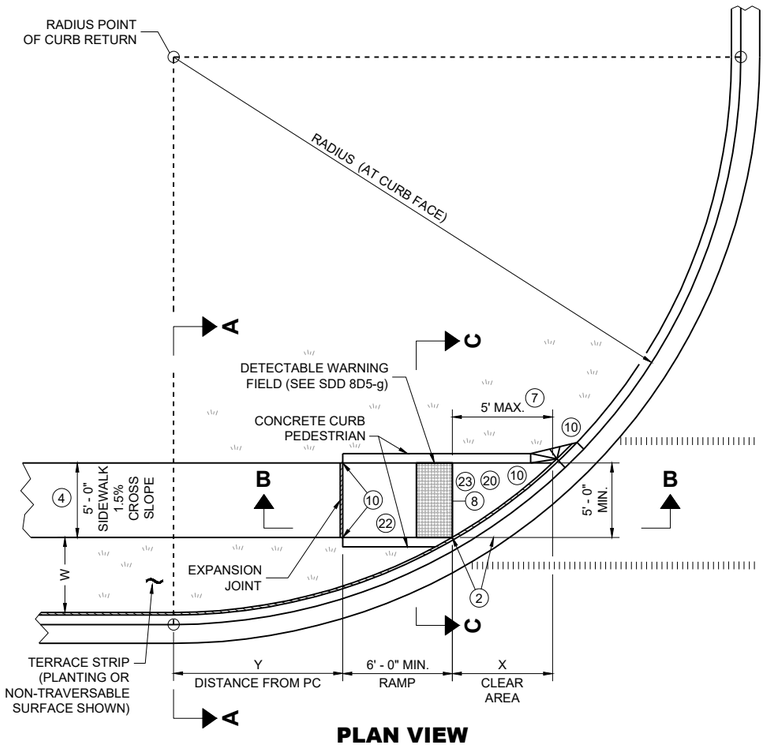


ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

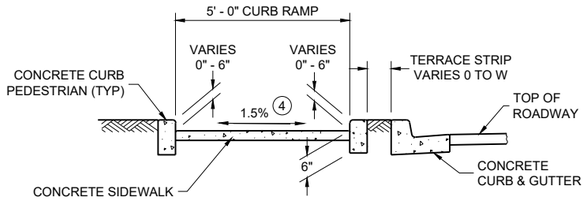
SDD 08D05-23c



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.

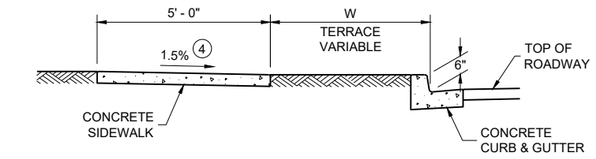
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

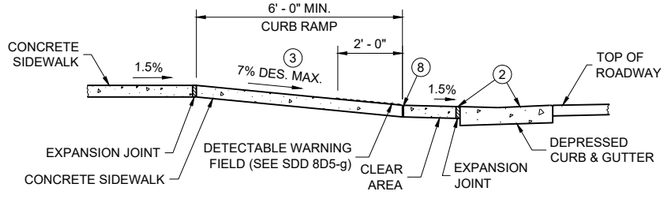
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(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.

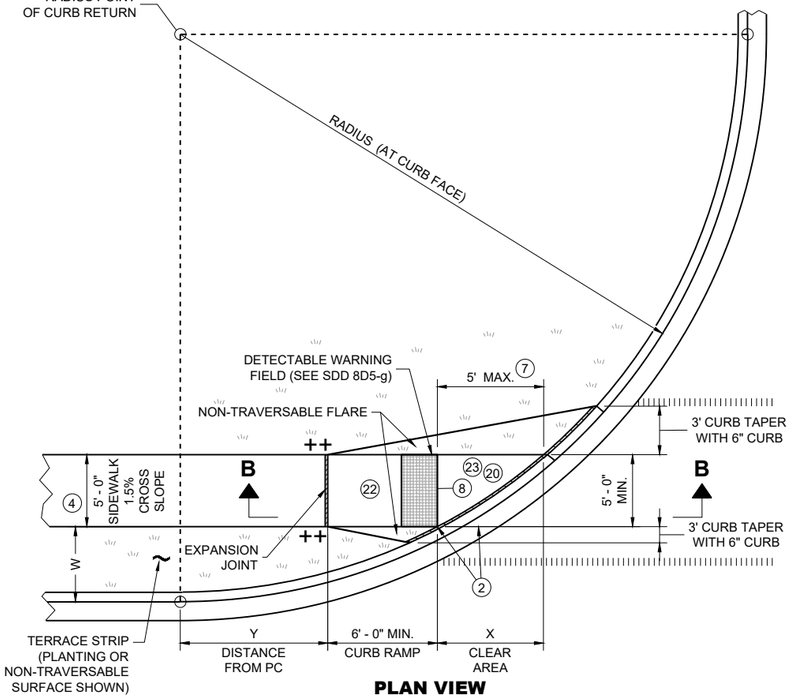
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



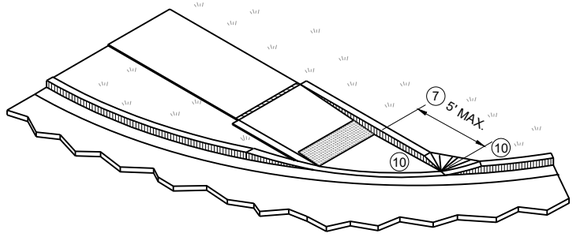
SECTION A - A FOR TYPE 4B



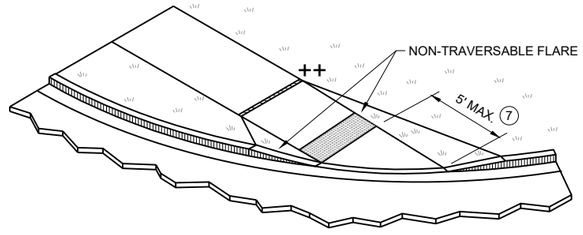
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



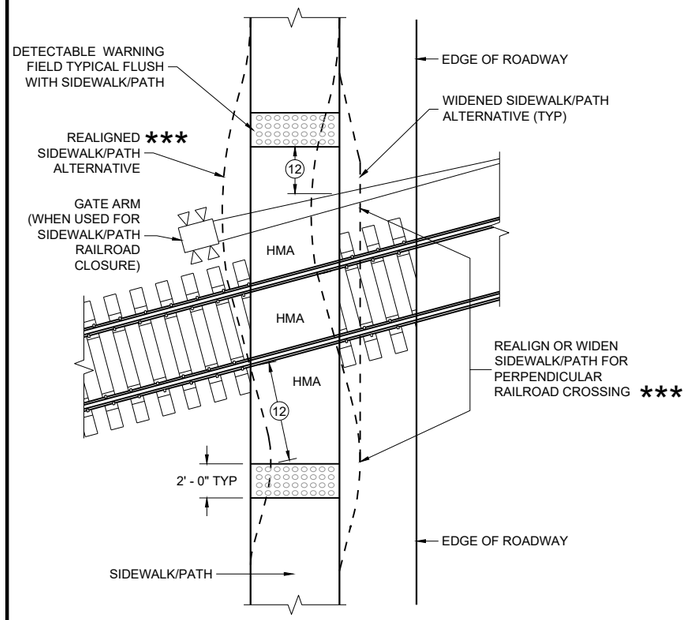
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

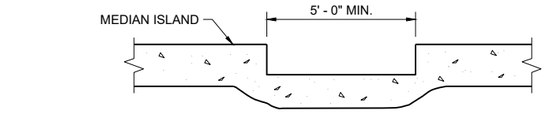
6

SDD 08D05-23d

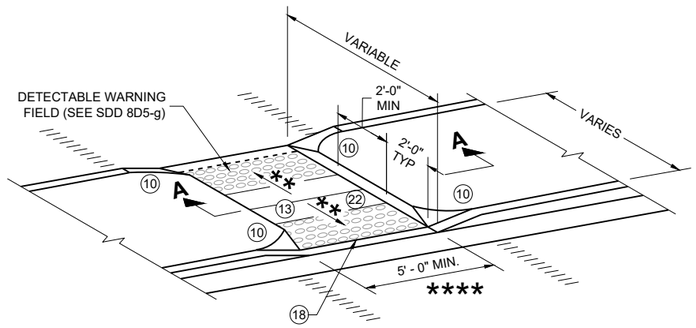


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

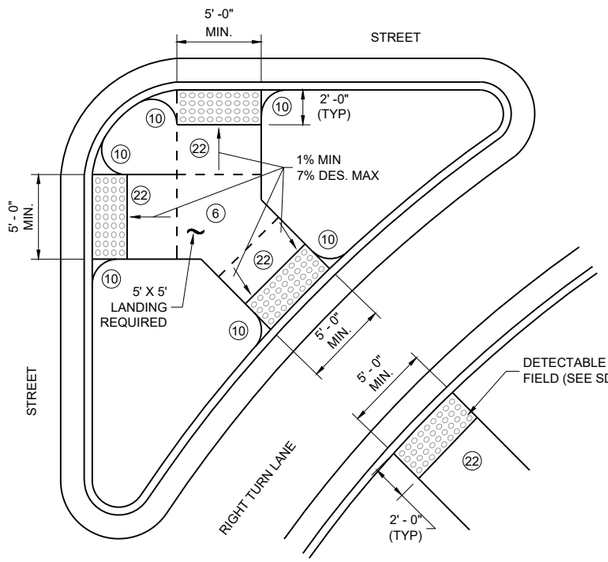
(12) THE DOWNSTREAM EDGE OF THE DETECTABLE WARNING SHOULD BE LOCATED AT LEAST 2 FEET UPSTREAM FROM THE AUTOMATIC GATE, COUNTERWEIGHT, FLASHING-LIGHT SIGNALS, OR CROSSBUCK ASSEMBLY SPECIFIC TO THE PATHWAY OR SIDEWALK (IF ANY ARE PRESENT) AND AT LEAST 12 FEET FROM THE NEAREST RAIL.

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

(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.

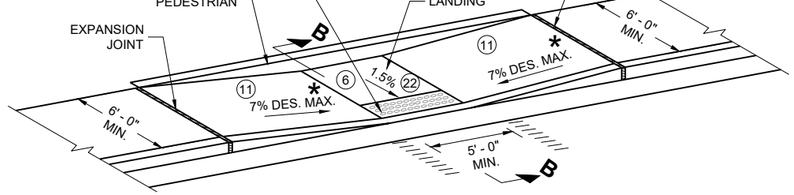
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 6

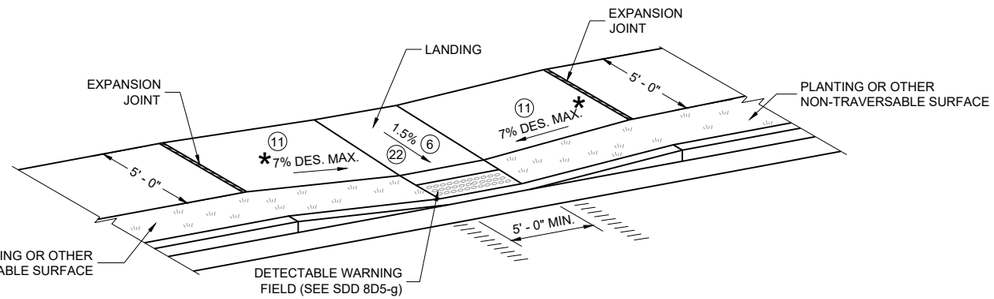
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

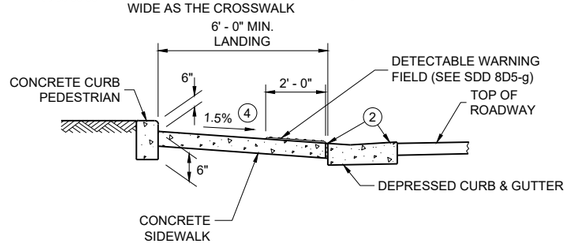


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

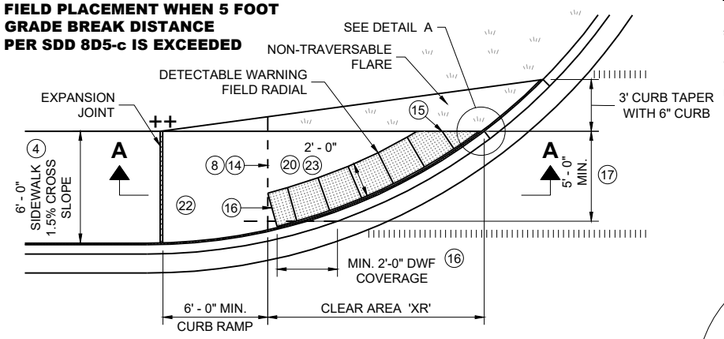


SECTION B - B FOR TYPE 7A

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

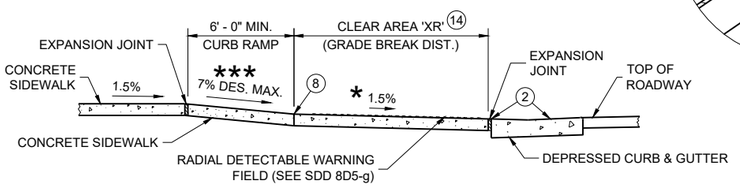
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

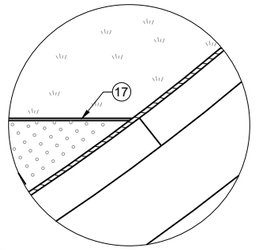
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



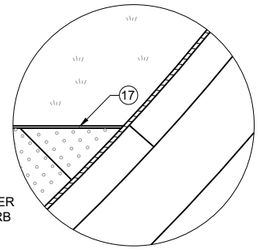
SECTION A - A FOR TYPE 4A1

LEGEND

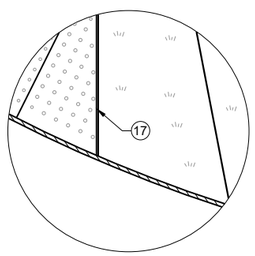
═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A



DETAIL B



DETAIL C

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.

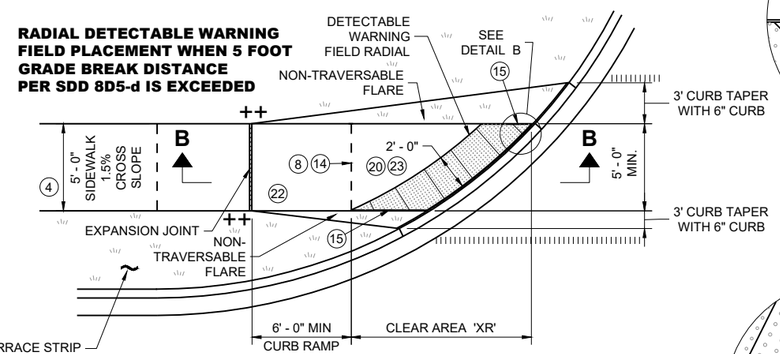
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(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.

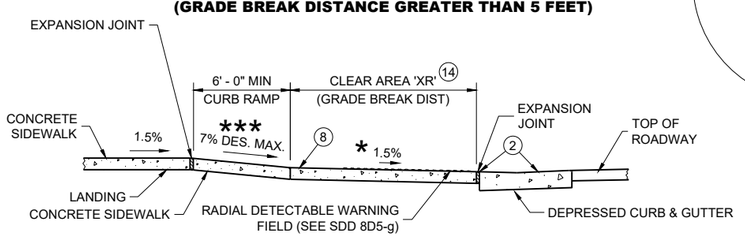
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



PLAN VIEW

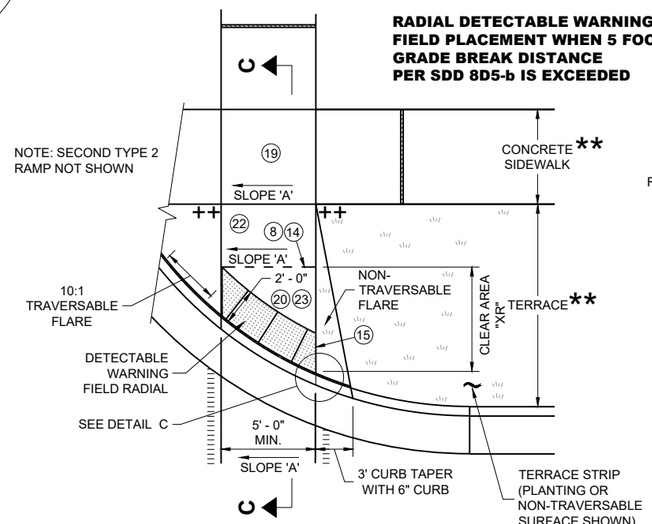
CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

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

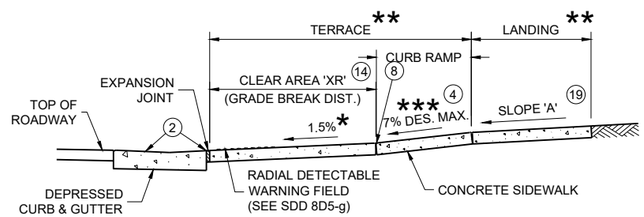


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



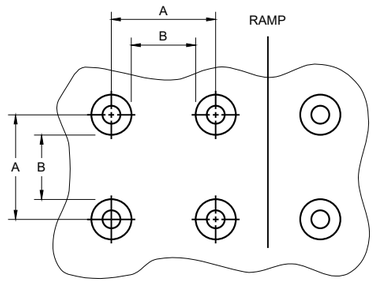
SECTION C - C FOR TYPE 2

CURB RAMPS RADIAL DETECTABLE WARNING

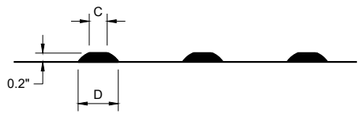
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

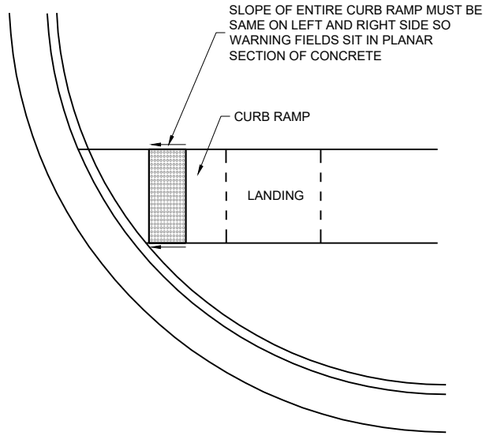
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

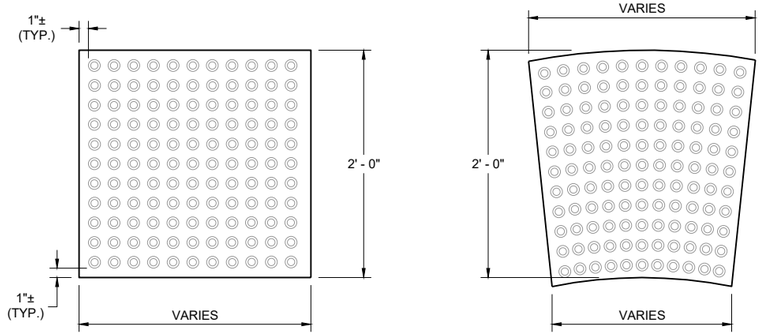
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE.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

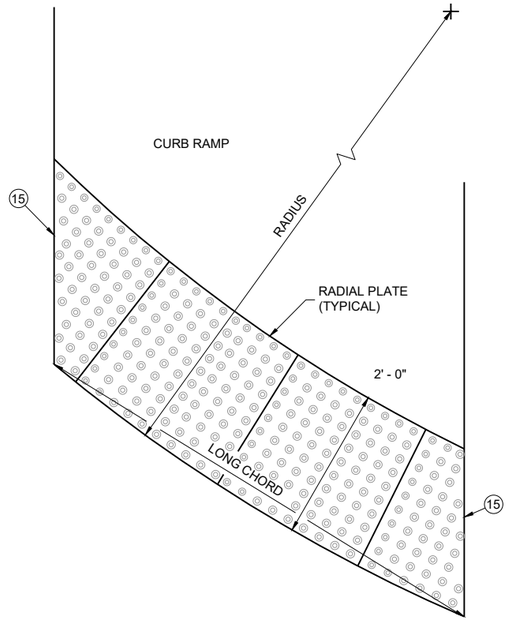
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



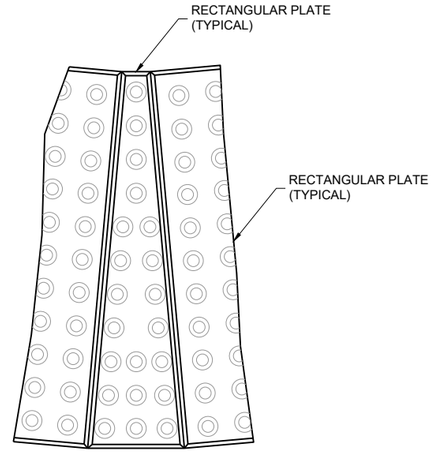
RECTANGULAR PLATES

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

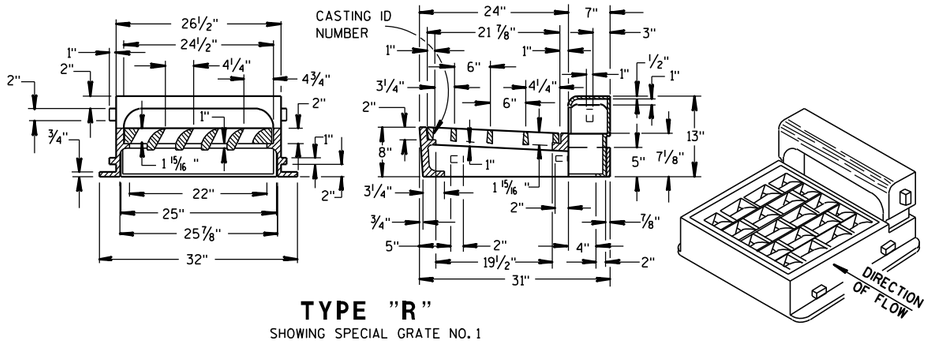
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

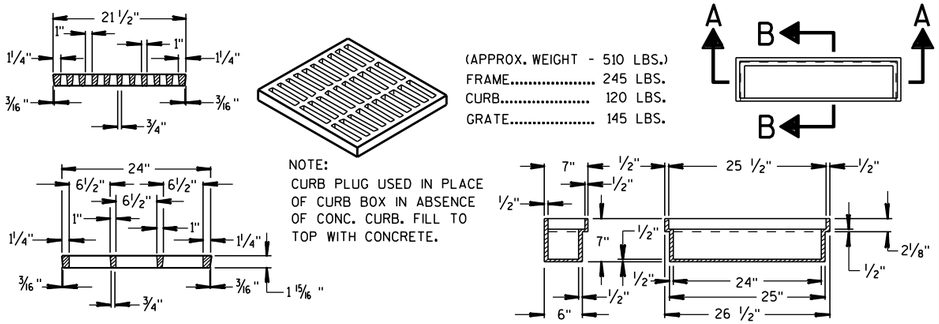
6
SDD 08D05-23g

INLET COVERS



TYPE "R"

SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)



(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.

NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.

GRATE FOR TYPE "R" INLET COVER

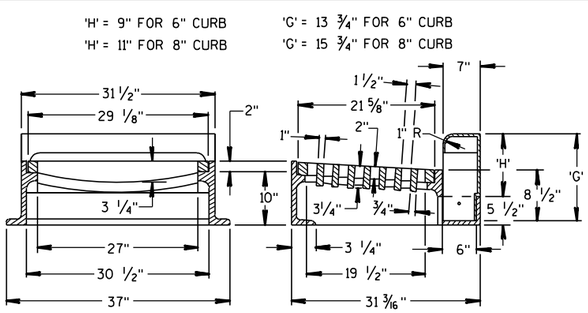
(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

SECTION B-B SECTION A-A

SPECIAL CURB PLUG "P"

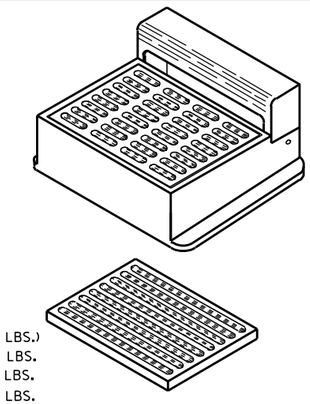
(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB

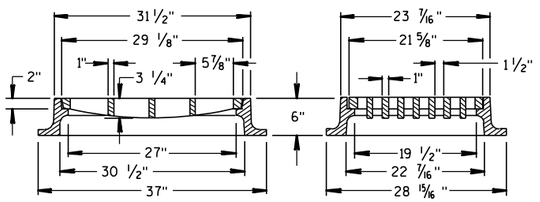


TYPE "W"

(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.



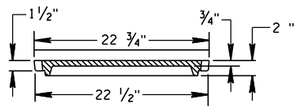
ALTERNATE GRATE
(FOR EXPRESSWAY RAMPS)
TYPES "W" & "X"



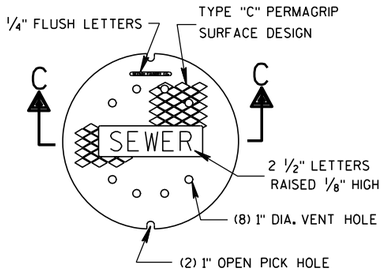
TYPE "X"

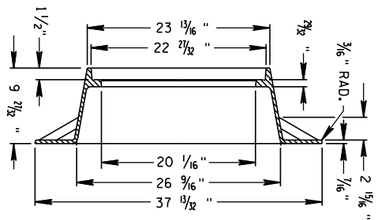
(APPROX. WEIGHT - 470 LBS.)

MANHOLE COVER



SECTION C-C

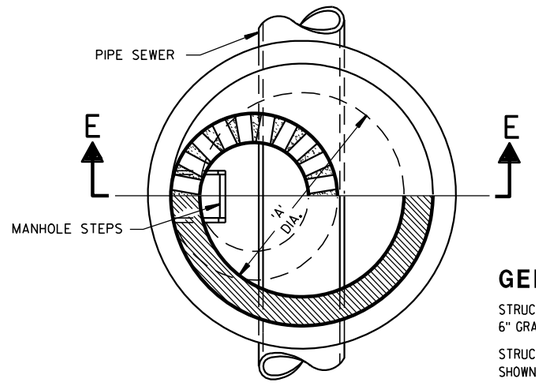




TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

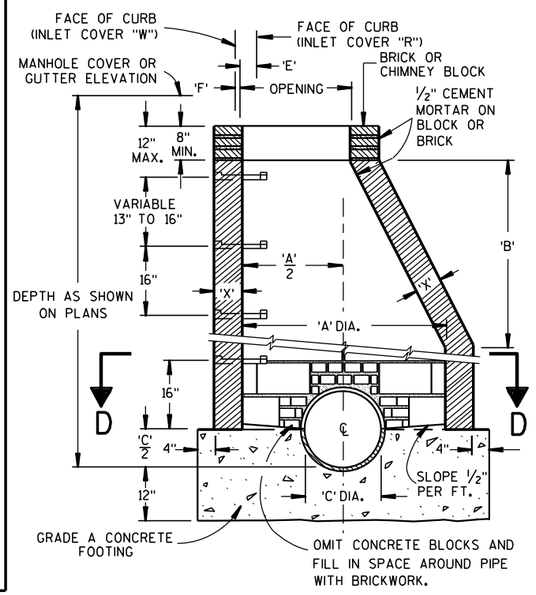
MANHOLE



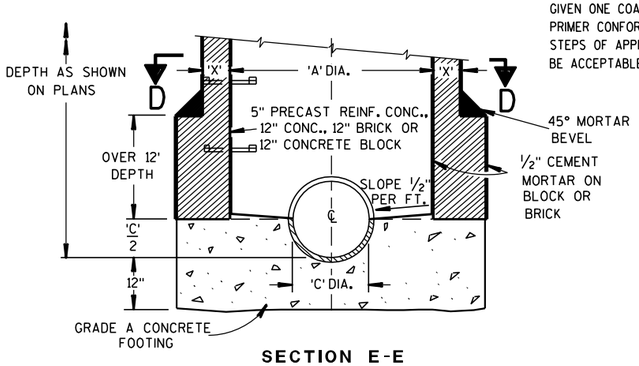
HALF SECTION D-D

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

PRECAST CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACK-FILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 5/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

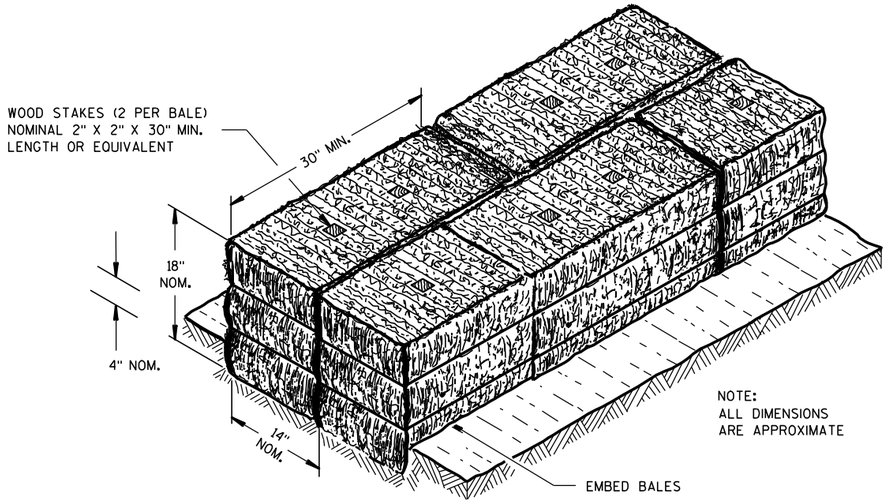
SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCING BAR WILL BE ACCEPTABLE.

MANHOLES, MANHOLE & INLET COVERS

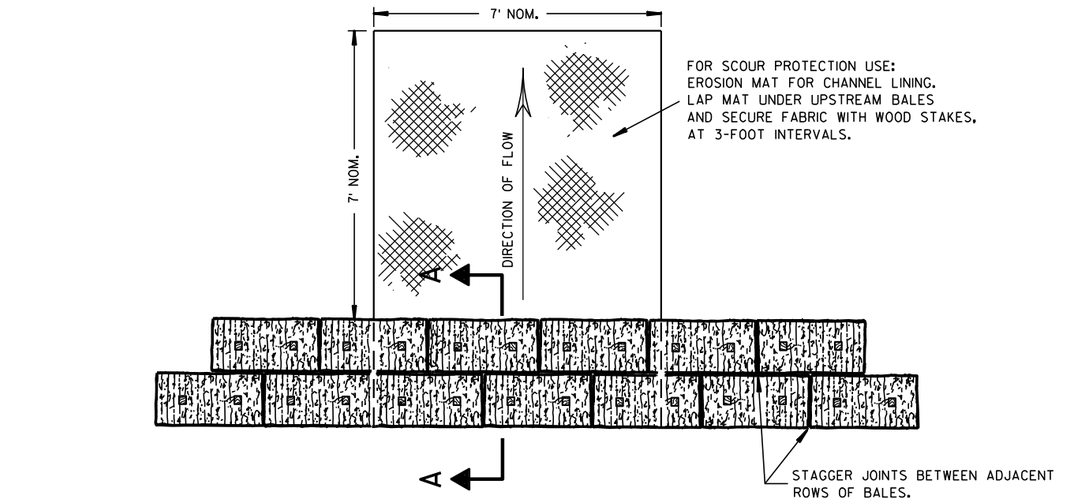
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER
FHWA

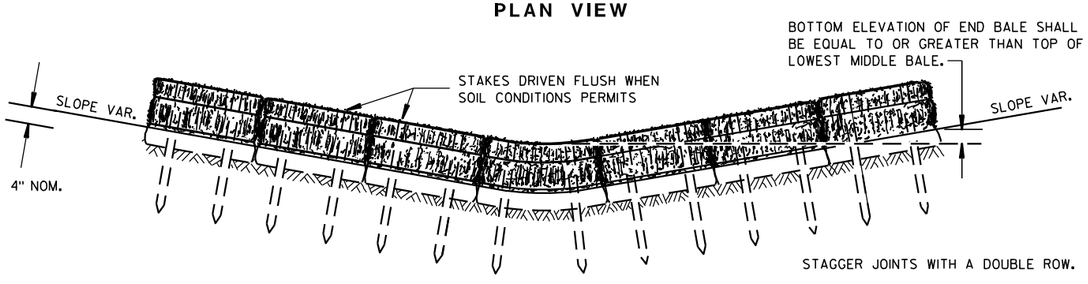
6
S.D.D. 8 D 17-6



SECTION A-A



PLAN VIEW



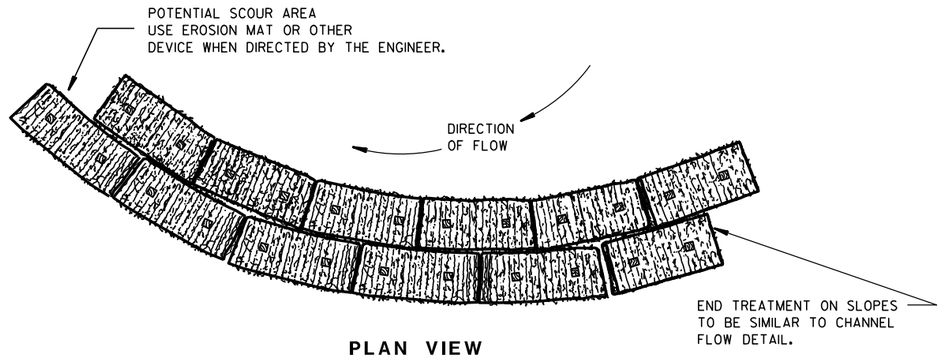
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

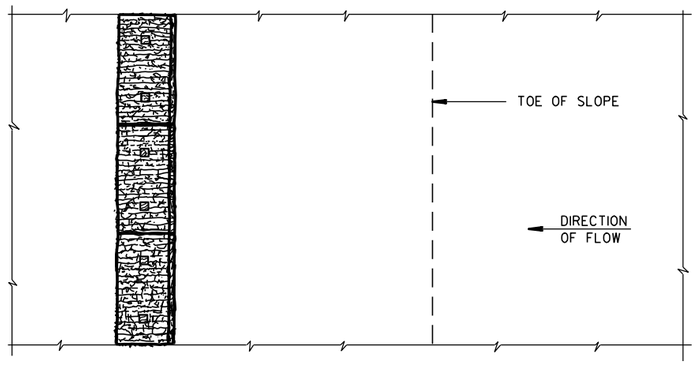
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

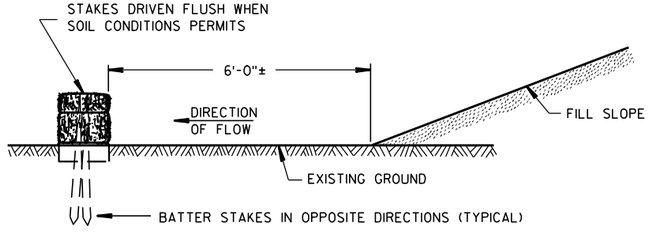


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

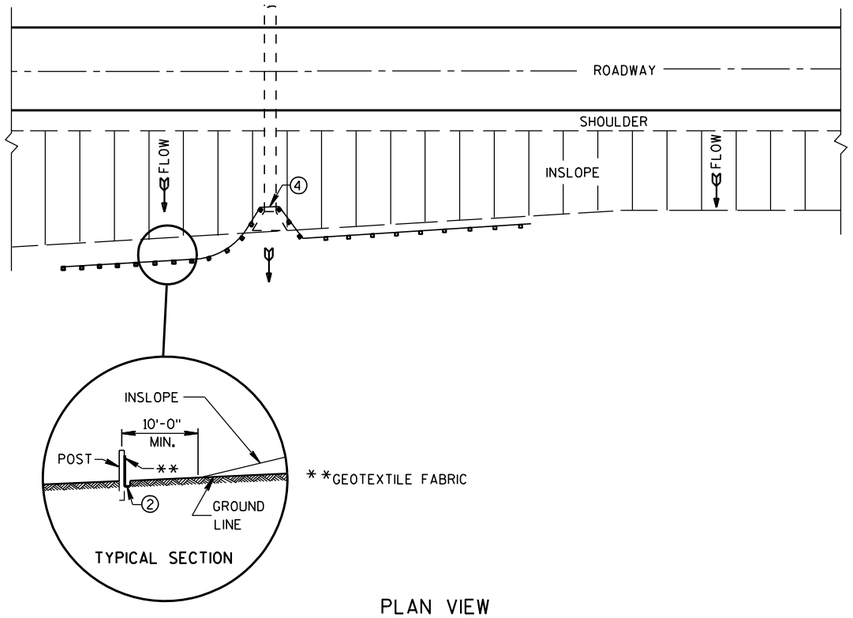
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

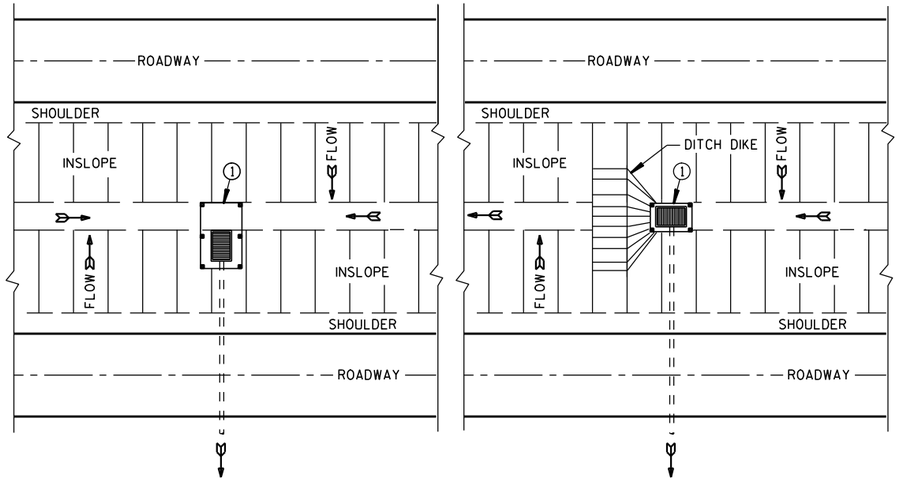
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



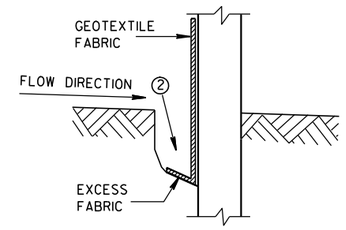
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

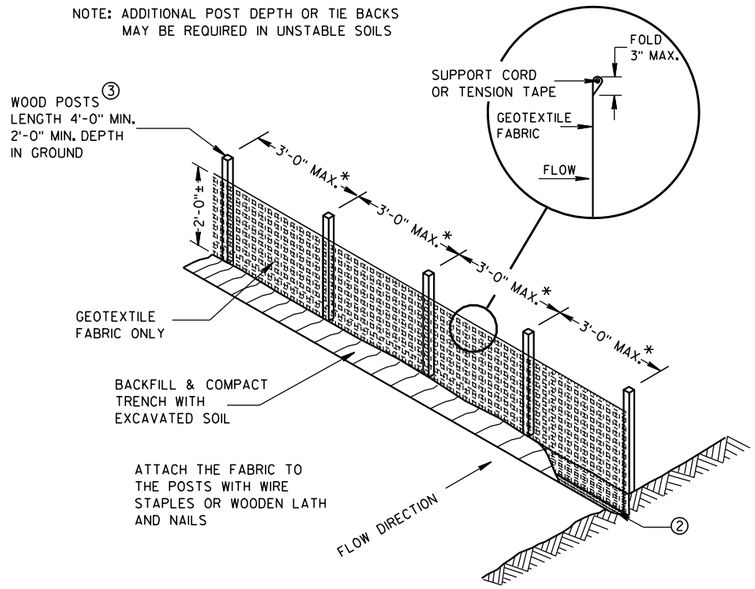
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

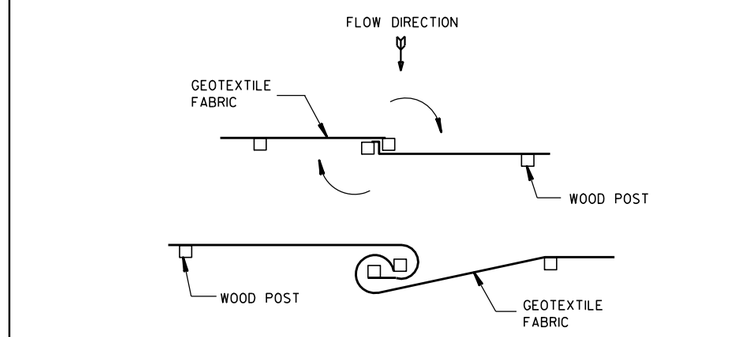


TRENCH DETAIL

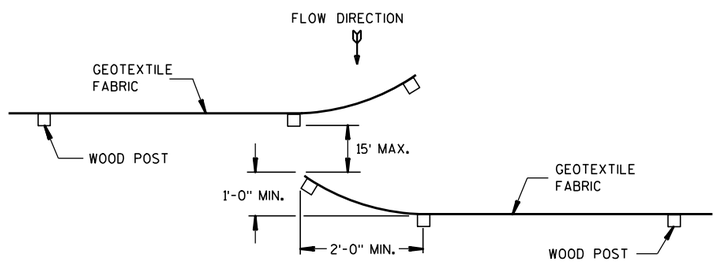


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

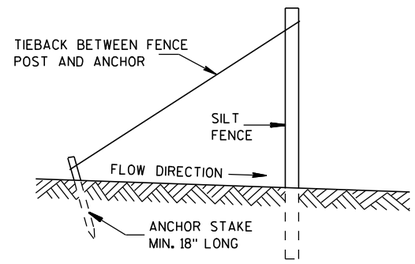


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

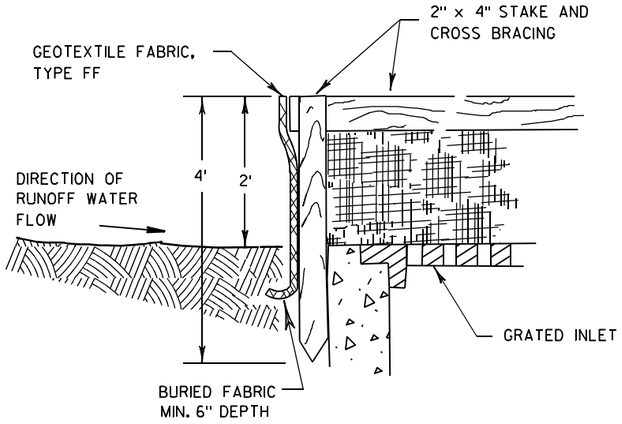
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

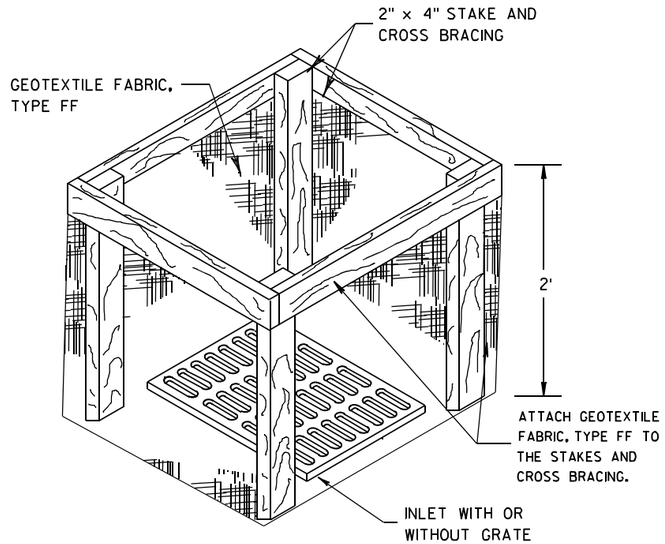
6

S.D.D. 8 E 9-6

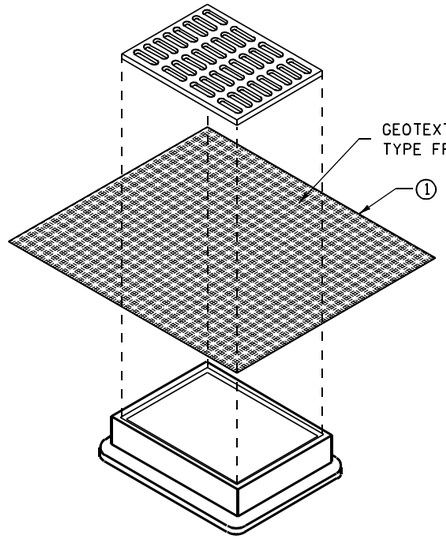
6

S.D.D. 8 E 9-6



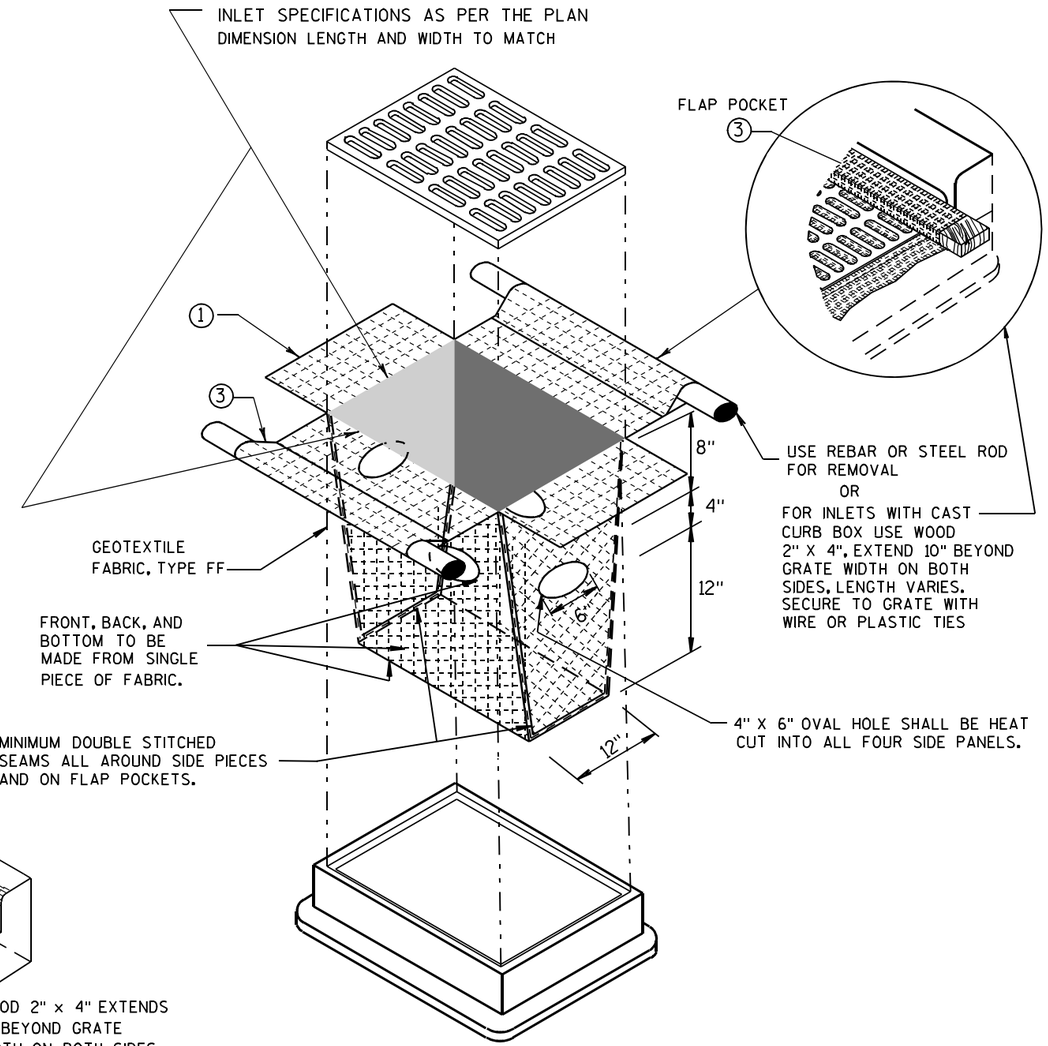


INLET PROTECTION, TYPE A



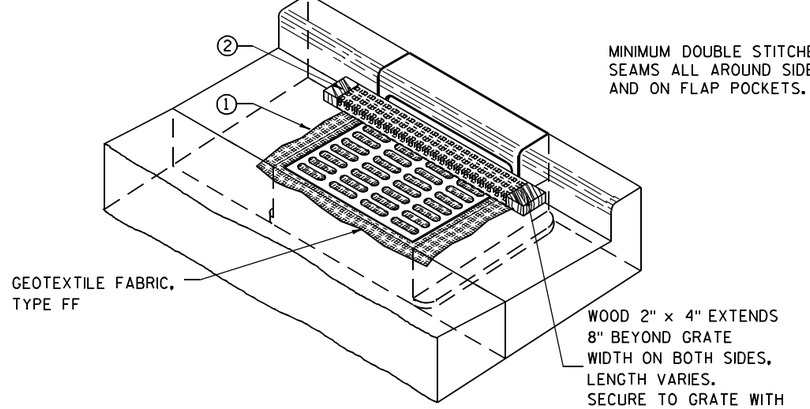
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

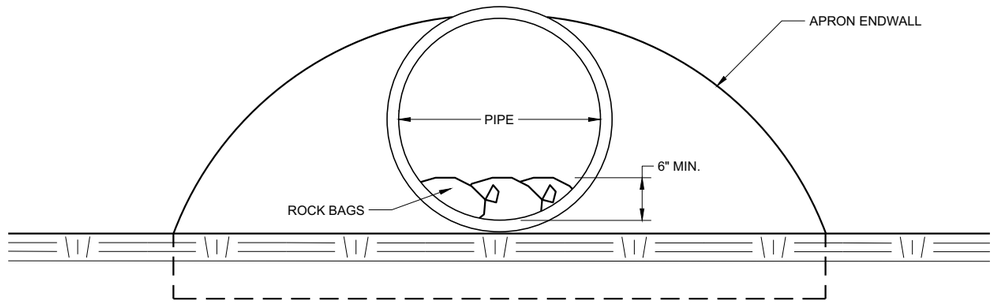
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

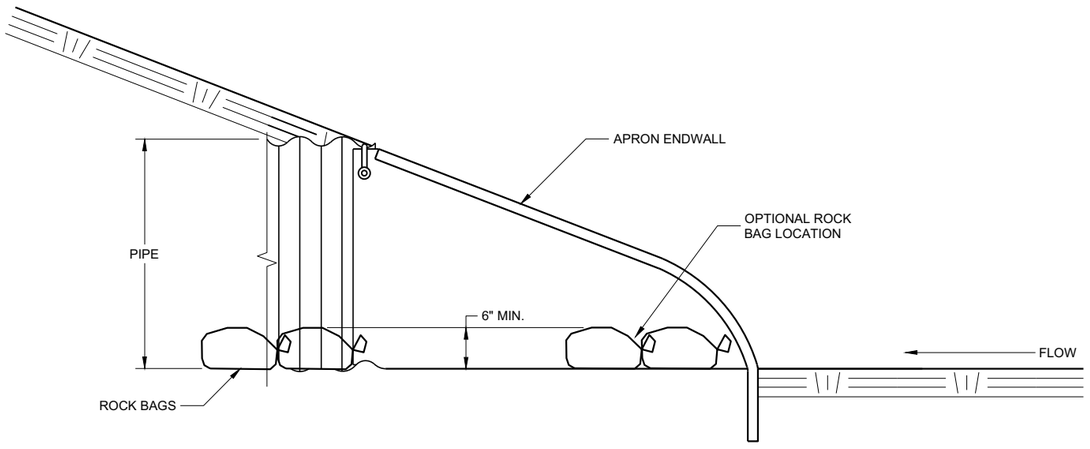
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

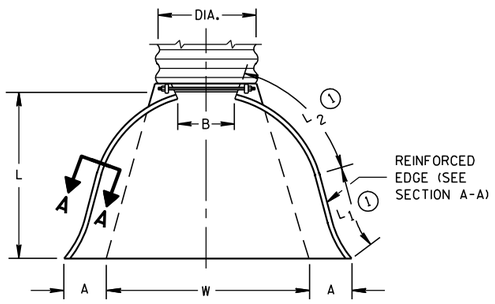
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

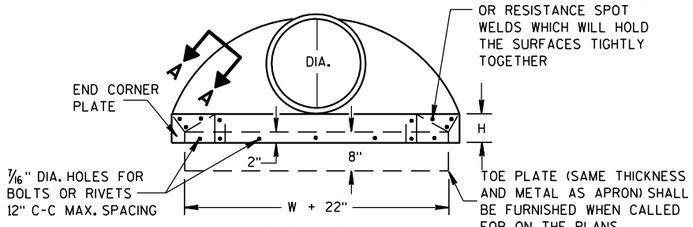
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

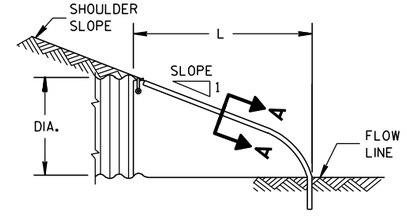
*MINIMUM
**MAXIMUM



PLAN VIEW

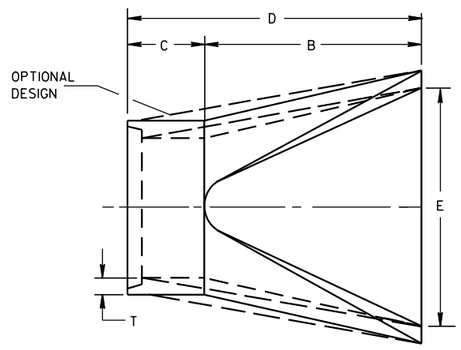


END VIEW

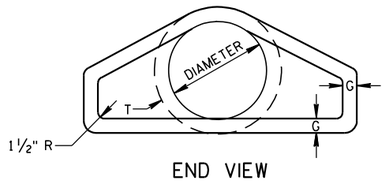


SIDE ELEVATION

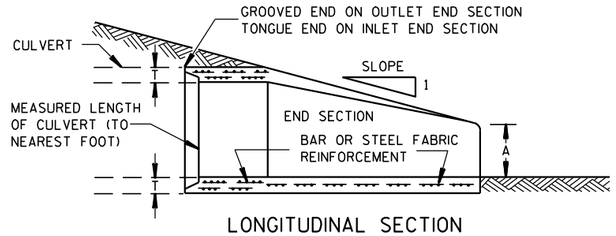
METAL ENDWALLS



PLAN

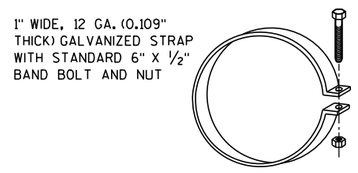


END VIEW



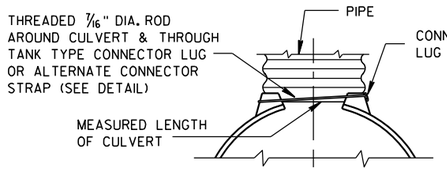
LONGITUDINAL SECTION

CONCRETE ENDWALLS

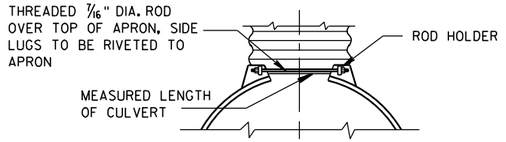


ALTERNATE FOR TYPE 1 CONNECTION

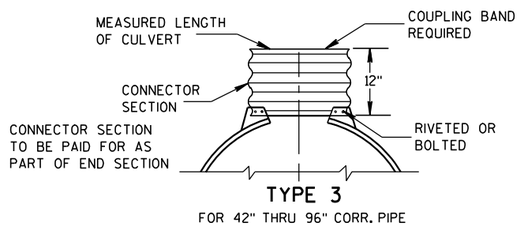
END SECTION CONNECTOR STRAP



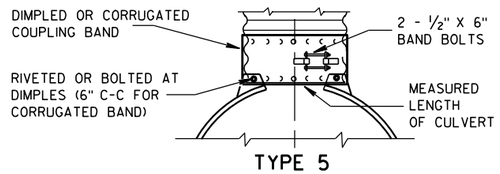
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

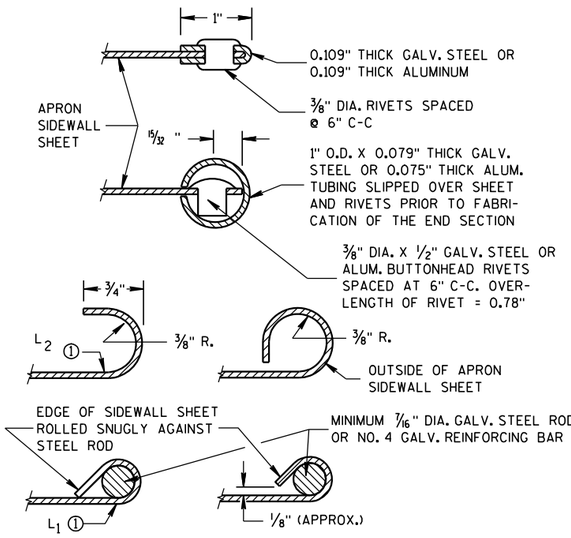
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

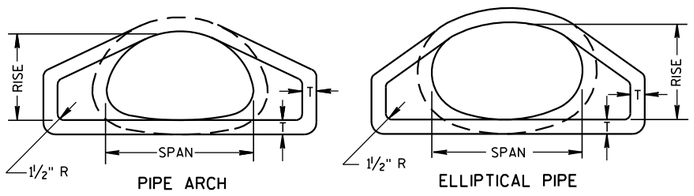
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

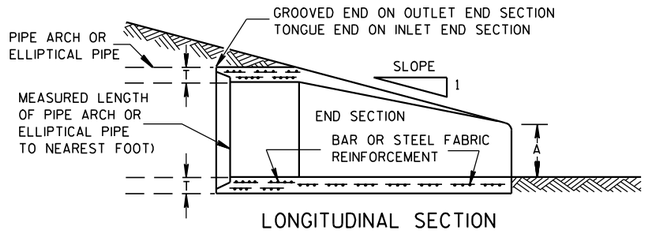
S.D.D. 8 F 1-11

6

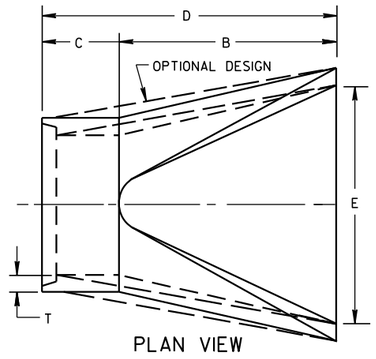
S.D.D. 8 F 1-11



END VIEW

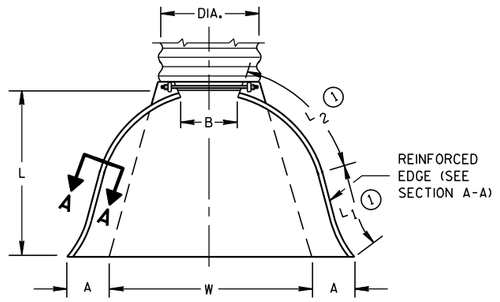


LONGITUDINAL SECTION

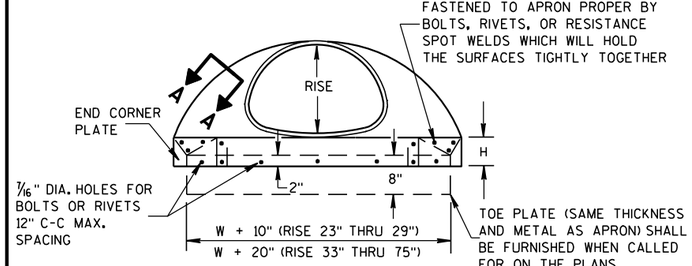


PLAN VIEW

CONCRETE ENDWALLS

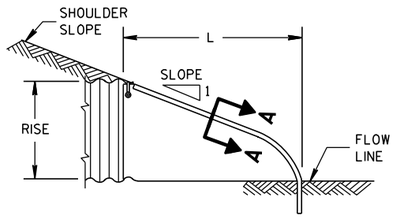


PLAN VIEW



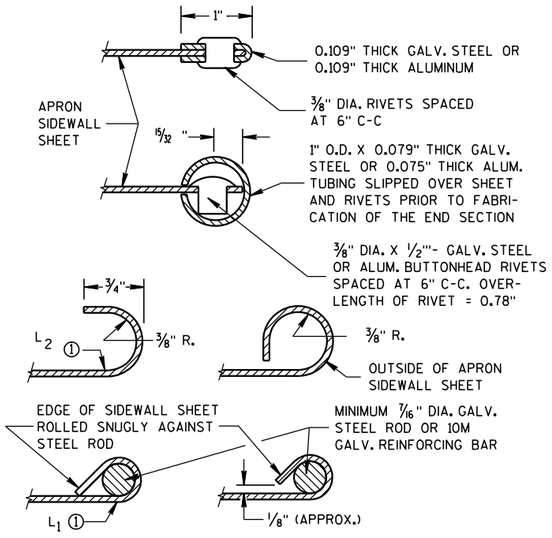
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE

GENERAL NOTES

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

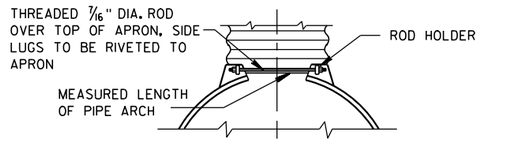
CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

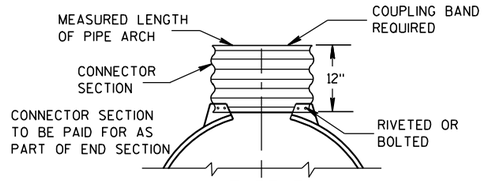
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



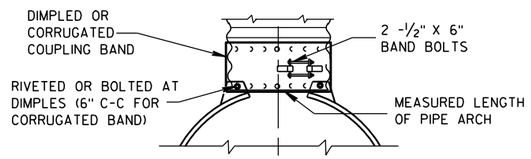
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

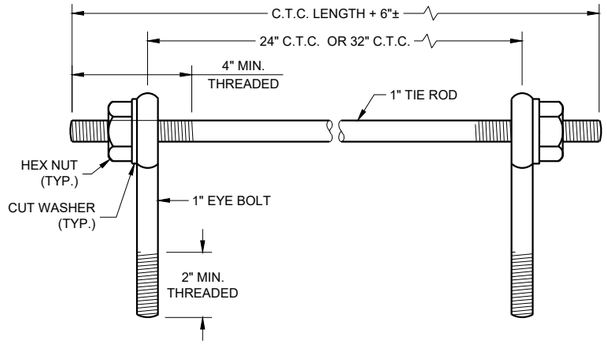
FHWA

6

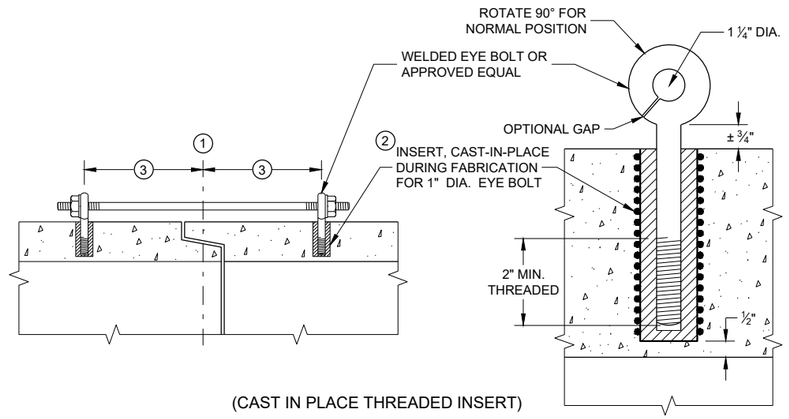
S.D.D. 8 F 2-1

6

S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

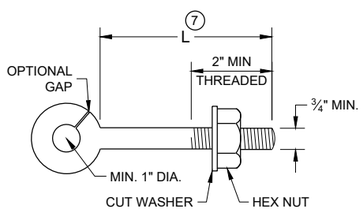
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

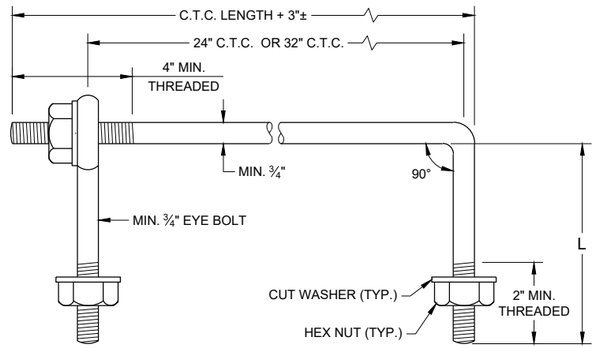
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

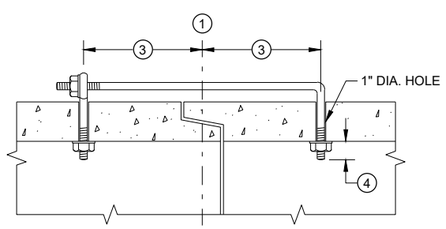


EYE BOLT (7)

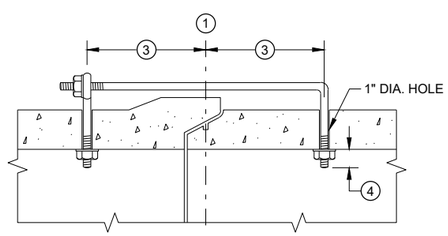
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

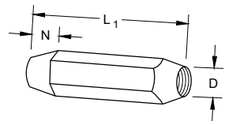
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

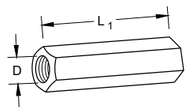
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



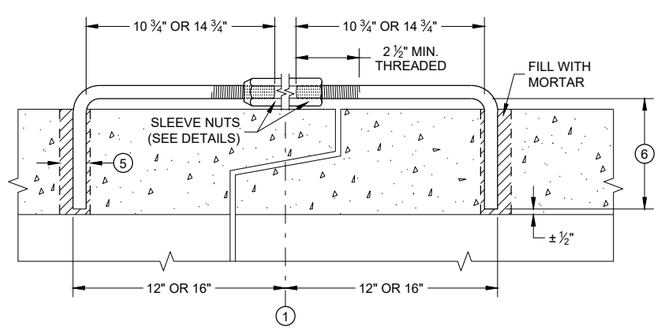
TAPERED



PLAIN

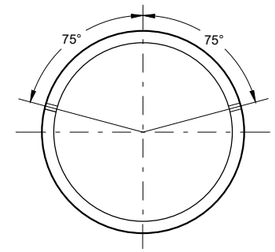
RIGHT AND LEFT THREADS

SLEEVE NUTS



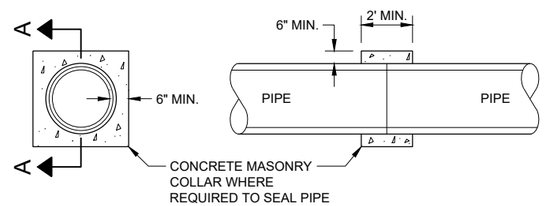
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

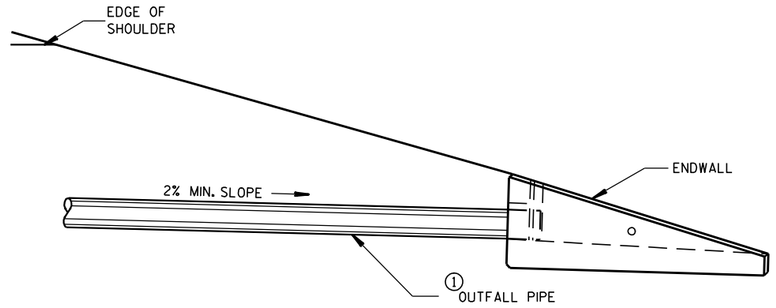
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

SDD 08F04 - 08

SDD 08F04 - 08

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION DETAIL

GENERAL NOTES

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

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

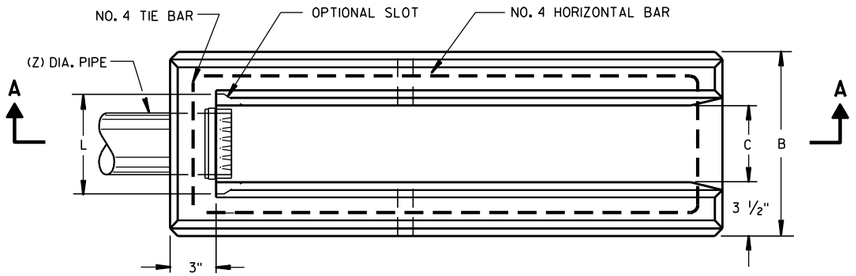
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

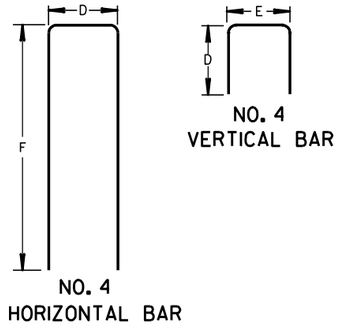
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

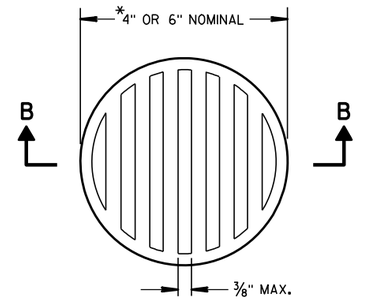
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



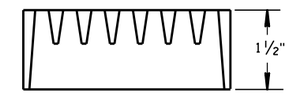
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



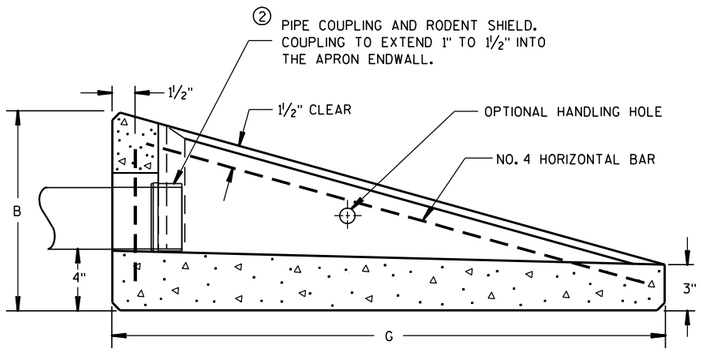
NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



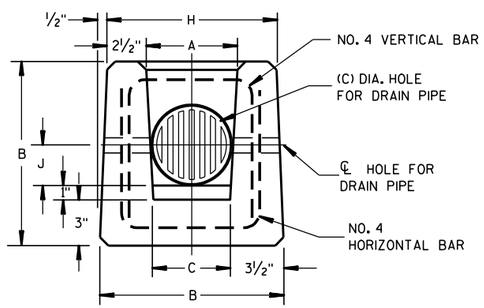
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

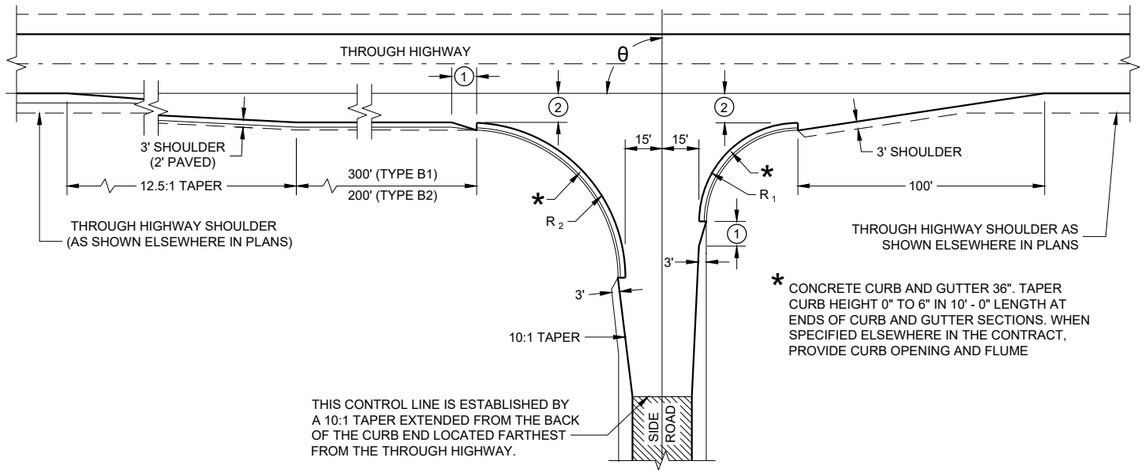
APPROVED
3/10/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 6-4

6

S.D.D. 8 F 6-4



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

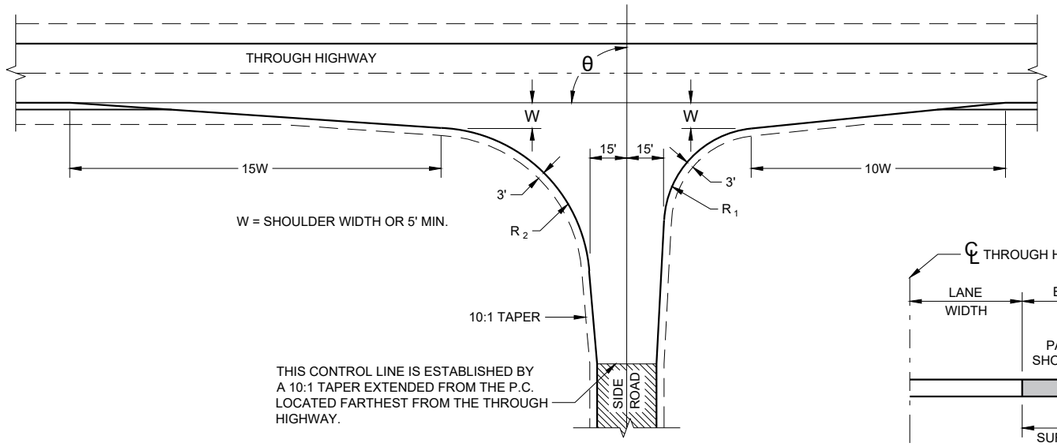
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

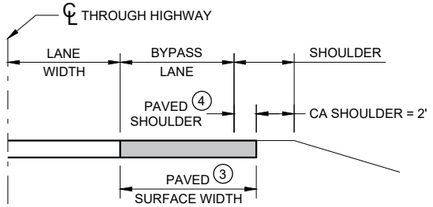
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

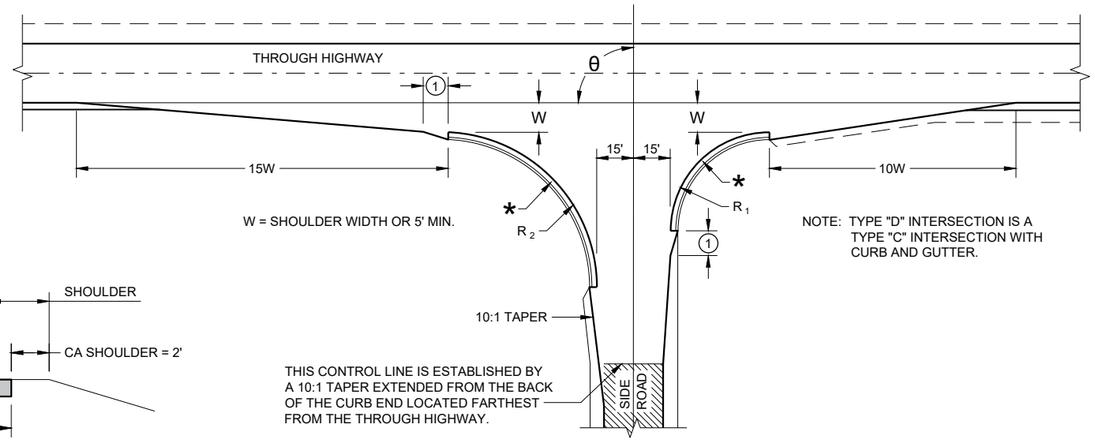
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

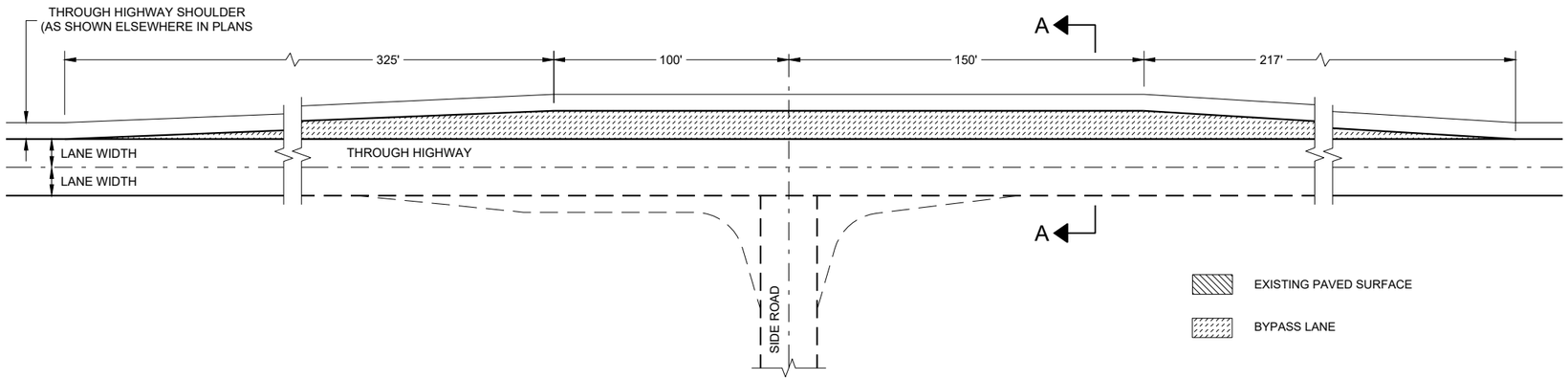


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

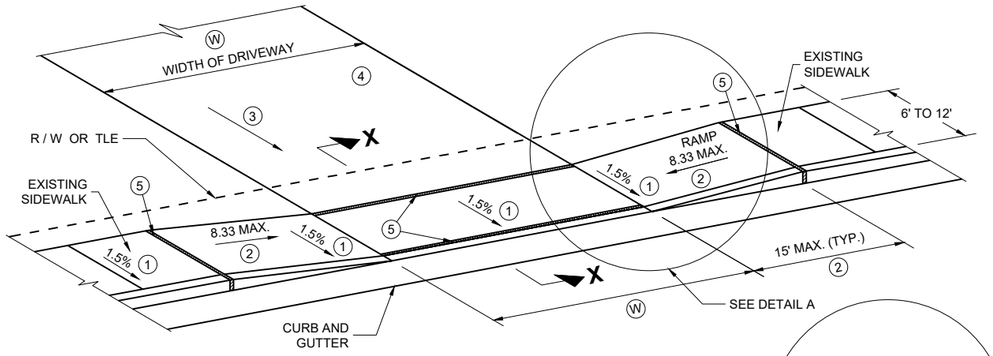
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

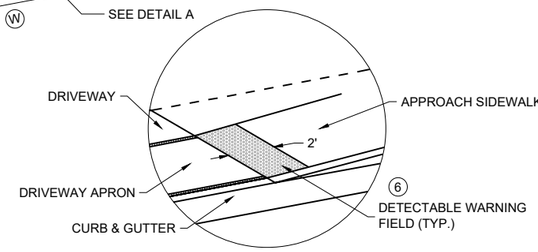
SDD 09A01 - 14a

6

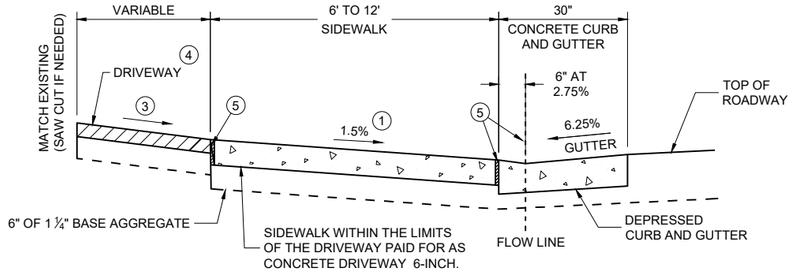
SDD 09A01 - 14a



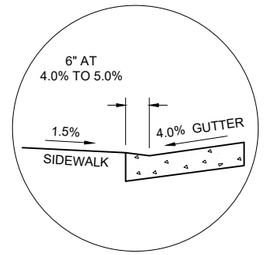
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X

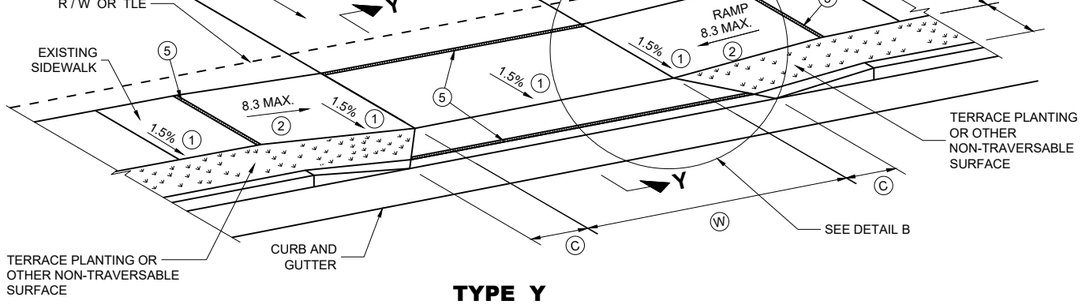


SECTION X - X
4% GUTTER SLOPE

Ⓦ : DRIVEWAY WIDTHS (MEASURED AT ROW LINE)
~ COMMERCIAL & INDUSTRIAL 16' MIN. - 35' MAX.
~ RESIDENTIAL & AGRICULTURAL (NONCOMMERCIAL) 16' MIN. - 24' MAX.

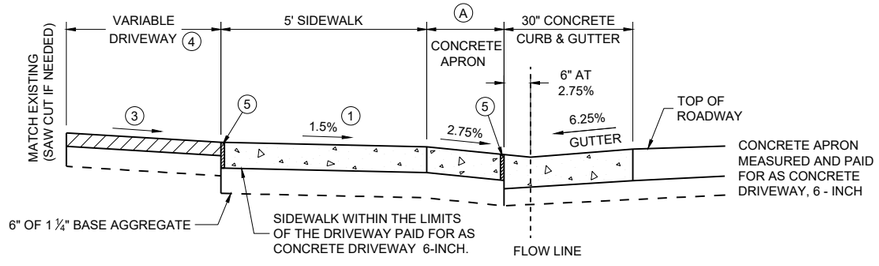
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

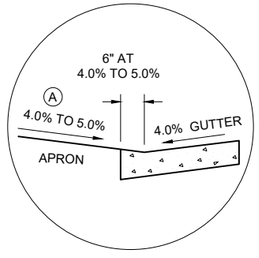


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER

(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

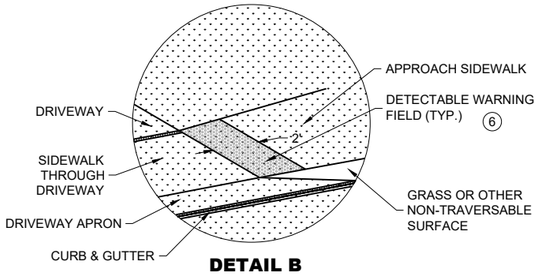
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
* 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
* 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ 1/2" EXPANSION JOINT FILLER

⑥ DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



DETAIL B

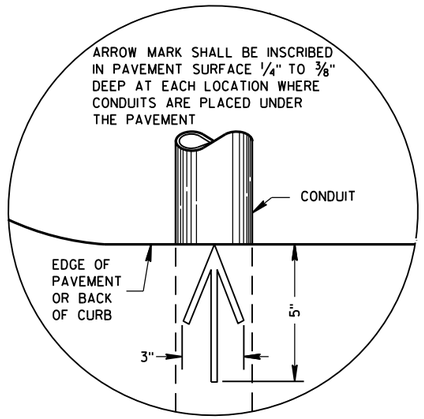
DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

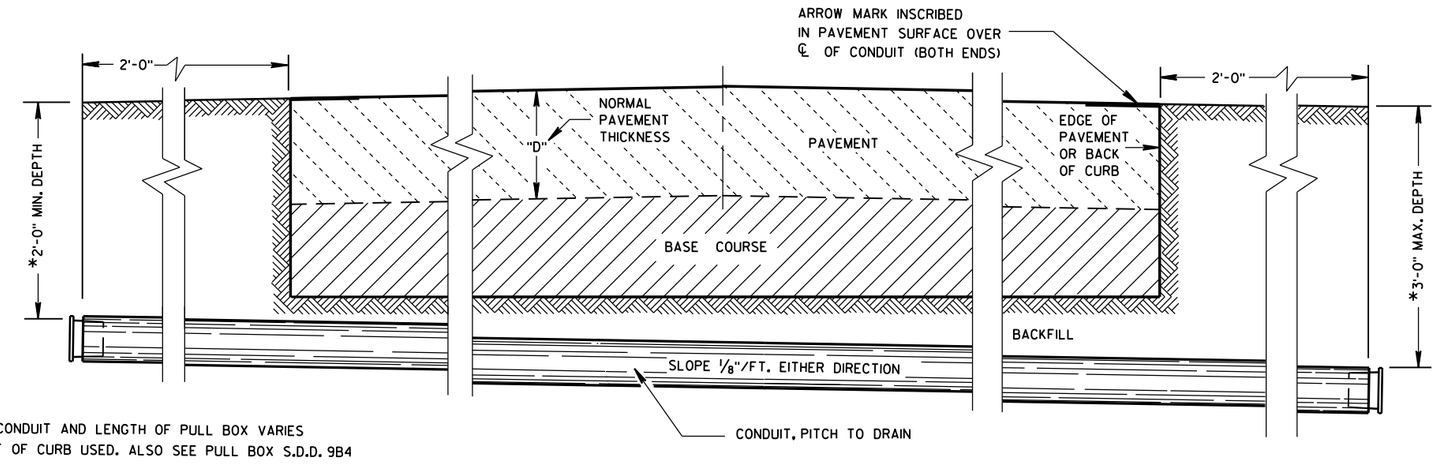
FHWA

6
SDD 09A11-01



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

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

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

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

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

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

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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

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

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

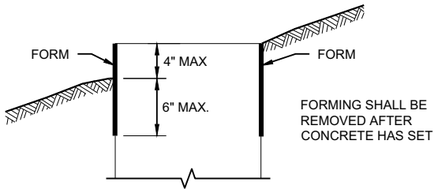
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 2-10

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.

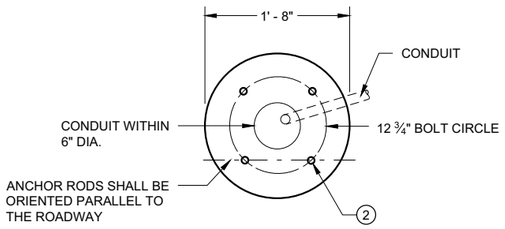
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

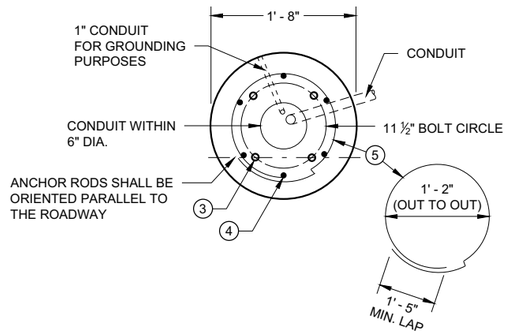
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

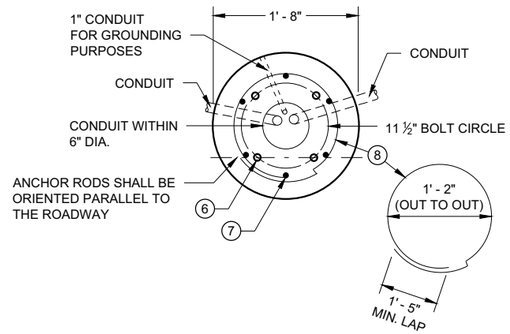
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

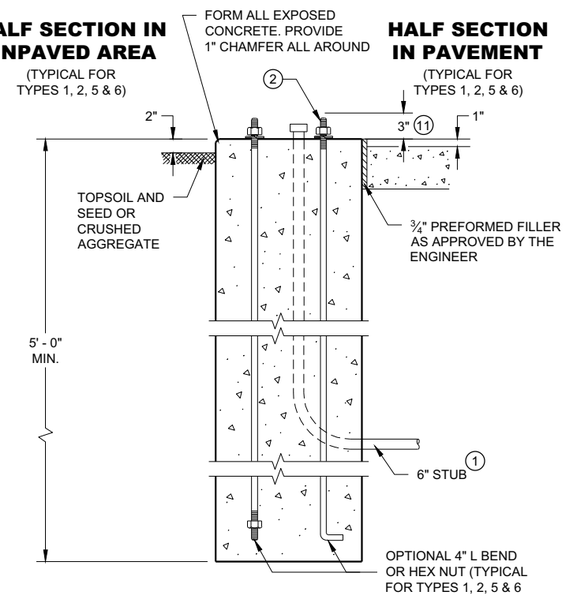
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

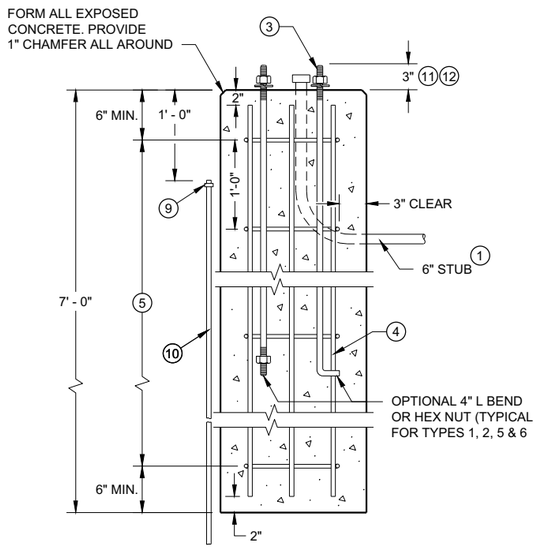
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

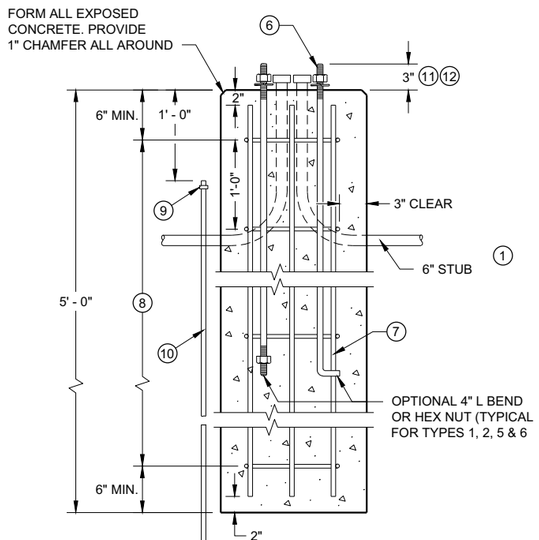
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

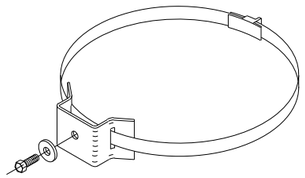
CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

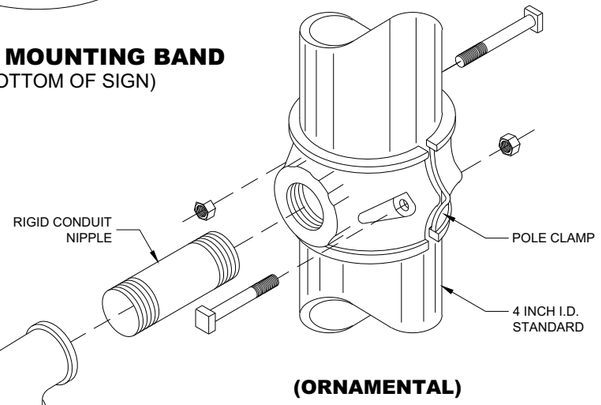
APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

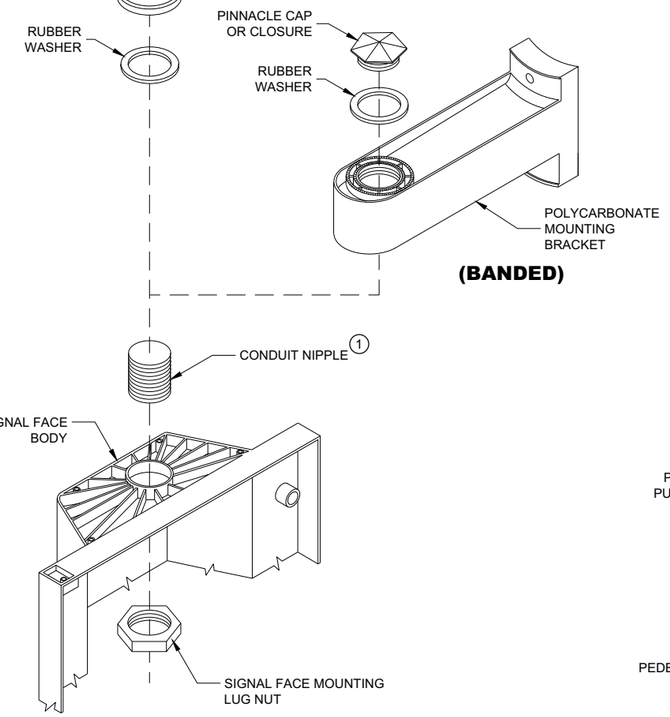
6
SDD 09C02 - 09



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

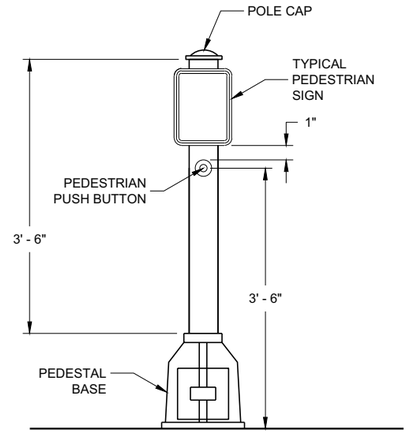


(ORNAMENTAL)



(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.

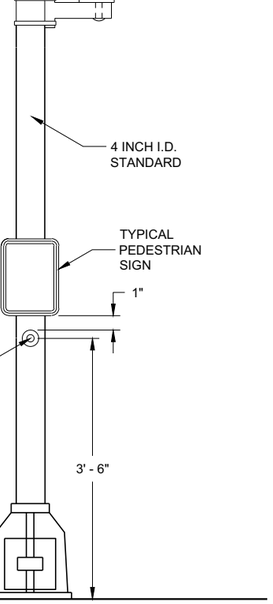
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

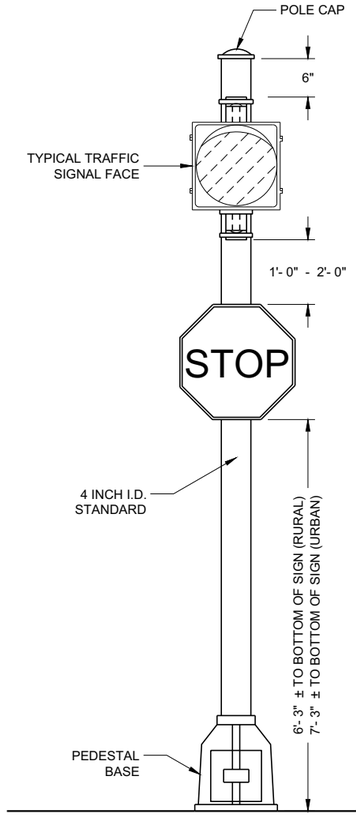
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

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

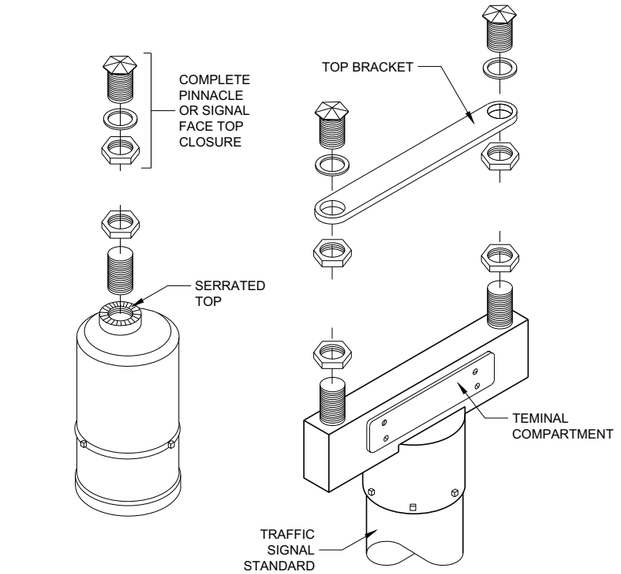
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE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

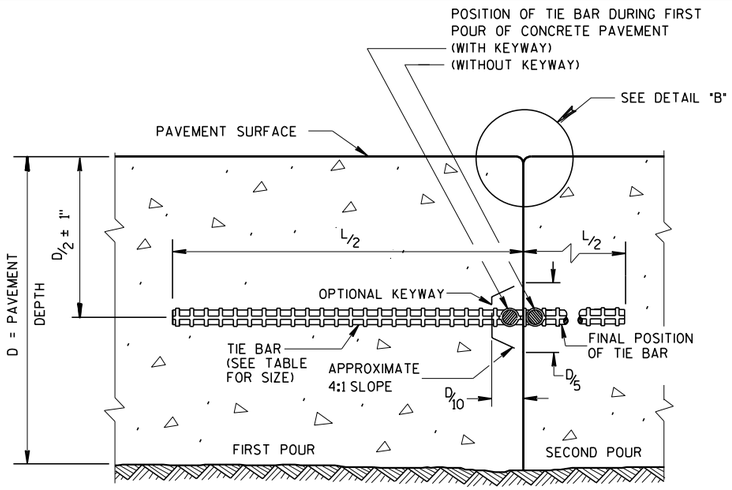
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 190

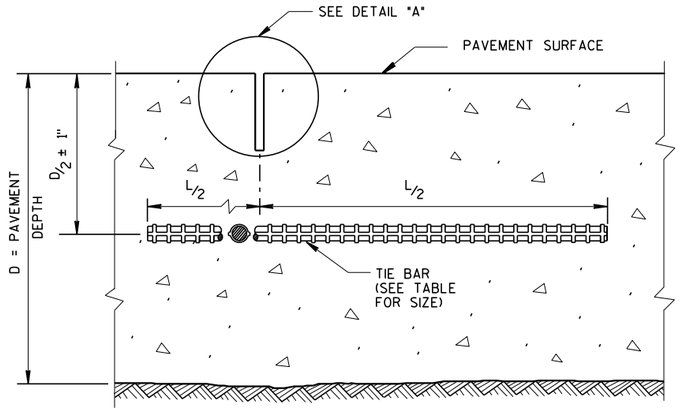
FHWA

6

SDD 09E07 - 06



CONSTRUCTION JOINT



SAWED JOINT

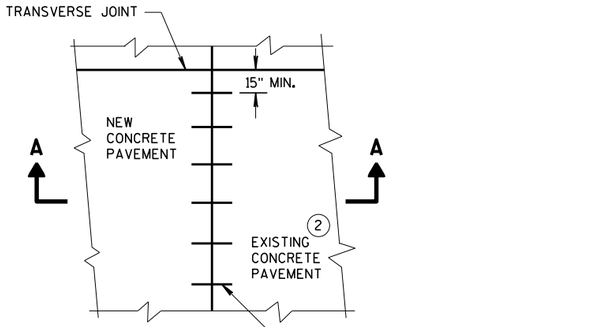
GENERAL NOTES

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

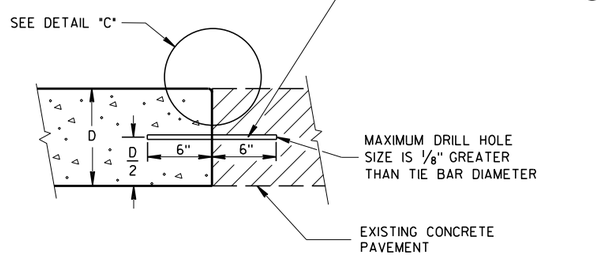
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

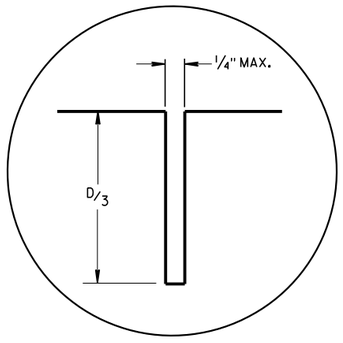


PLAN VIEW

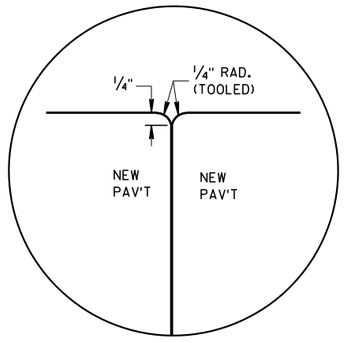


SECTION A-A

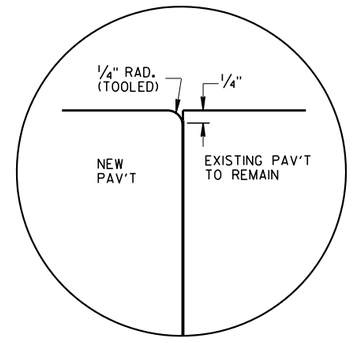
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



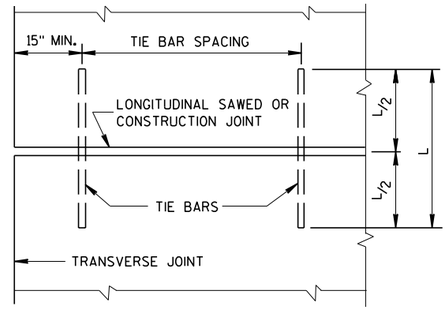
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

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



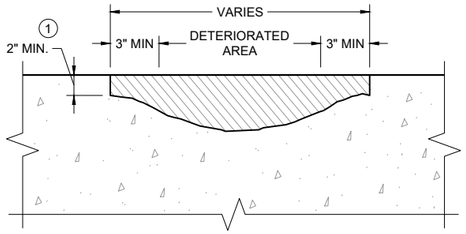
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

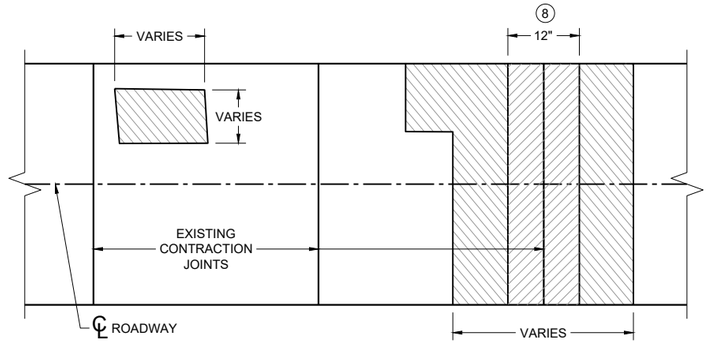
APPROVED
March 2018 — DATE
/S/ Peter Kemp — PAVEMENT SUPE
FHWA

6
S.D.D. 13 C 1-19



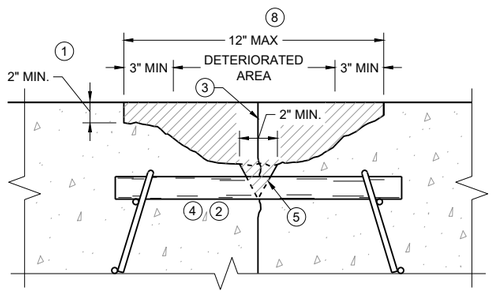
PROFILE VIEW

SURFACE REPAIR



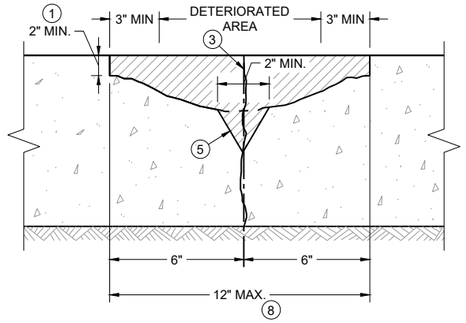
PLAN VIEW

SURFACE AND JOINT REPAIR

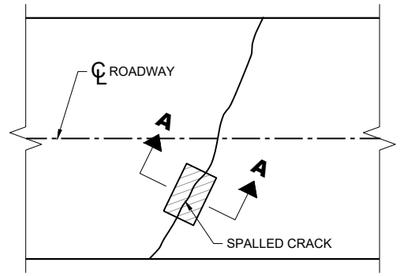


PROFILE VIEW

JOINT REPAIR



SECTION A - A



PLAN VIEW

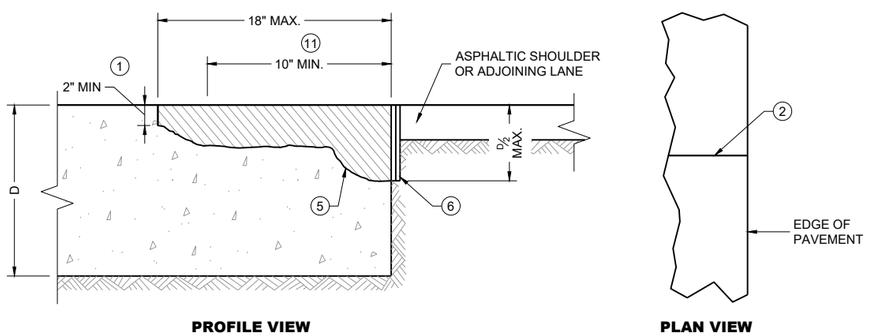
CRACK REPAIR

AREA TO BE REMOVED AND PATCHED AS JOINT AND CRACK REPAIR

AREA TO BE REMOVED AND PATCHED AS SURFACE AND EDGE REPAIR

FULL DEPTH ADJUSTMENT

EDGE, JOINT OR CRACK REPAIR



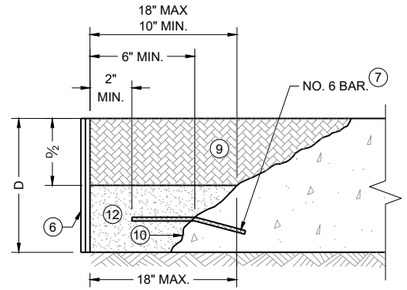
PROFILE VIEW

PLAN VIEW

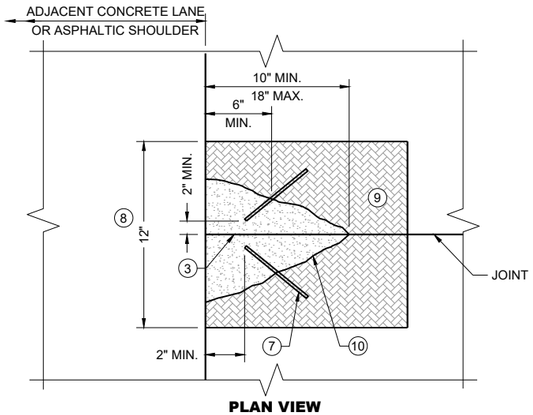
EDGE REPAIR

GENERAL NOTES

1. REMOVE ALL CONCRETE, TO LIMITS SHOWN, TO A MAXIMUM OF 1/2 THE PAVEMENT DEPTH OR TOP OF DOWELS. THE LIMIT OF CONCRETE REMOVAL SHALL EXTEND 3" INTO SOUND CONCRETE.
2. TAKE PRECAUTION NOT TO DISTURB UNSOUND CONCRETE BELOW THE TOP OF THE DOWEL.
3. COMPRESSION RELIEF MATERIAL MUST BE USED. THE THICKNESS OF COMPRESSION RELIEF MATERIAL MUST BE EQUAL TO OR GREATER THAN THE WIDTH OF THE JOINT OF CRACK (1/4"). THE MATERIAL SHOULD EXTEND THE FULL DEPTH OF THE REPAIR.
4. IF UNSOUND MATERIALS IS ACCIDENTALLY REMOVED BELOW DOWEL MID-DEPTH, THEN CONVERT IT TO FULL DEPTH REPAIR.
5. REMOVE UNSOUND MATERIAL BY CHIPPING AT 45° - 60° FROM HORIZONTAL.
6. 1/4" MINIMUM PREFORMED JOINT FILLER IF ADJACENT TO CONCRETE. EDGING REQUIRED. FULL FORMED EDGE IF ADJACENT TO SHOULDER.
7. PAVEMENT TIES AS SHOWN. ALL EMBEDMENTS 6" MINIMUM AND INSTALLED WITH GROUT.
8. OVER 12" (NOMINAL WIDTH) WILL BE PAID AS SURFACE REPAIR.
9. PAID AS EDGE, JOINT OR CRACK REPAIR
10. FULL-DEPTH ADJUSTMENT SHALL BE CHIPPED TO BOTTOM OF PCC PAVEMENT AT 45° - 60° FROM HORIZONTAL.
11. BEYOND 18" WILL BE PAID AS SURFACE REPAIR.
12. PAID AS CONCRETE PLACEMENT PARTIAL DEPTH REPAIR FULL DEPTH ADJUSTMENT.



PROFILE VIEW



PLAN VIEW

FULL DEPTH REPAIR ADJUSTMENT

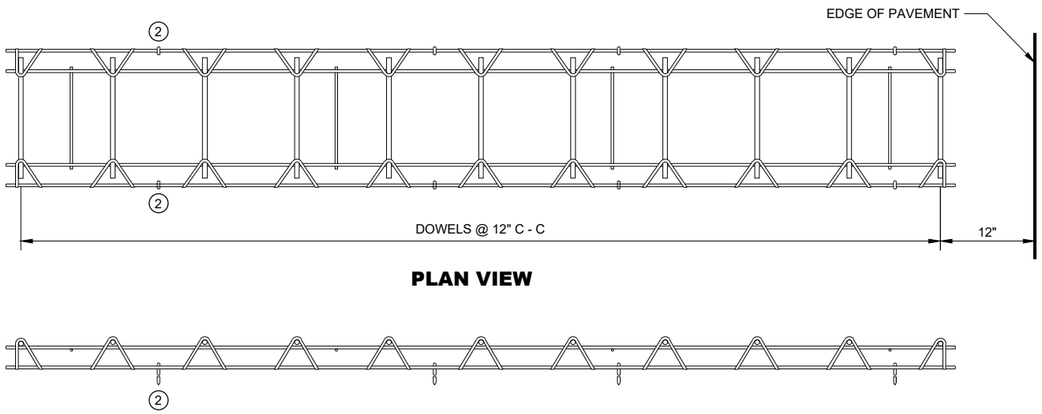
CONCRETE PAVEMENT PARTIAL DEPTH REPAIR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2026 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT ENGINEER

FHWA

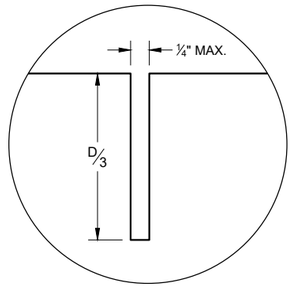
6
SDD 13C08-03



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

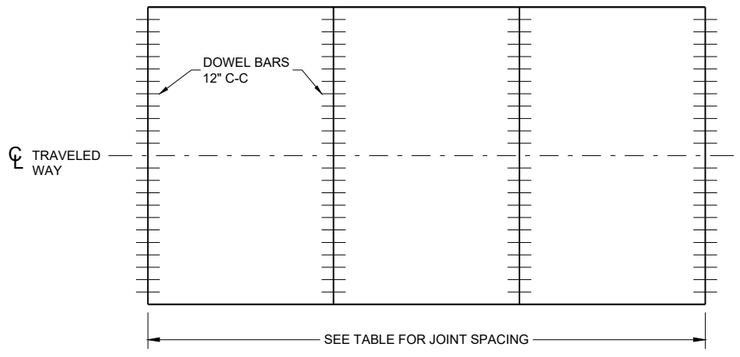
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

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

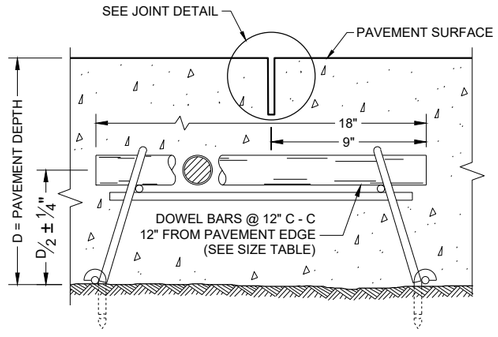
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED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

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



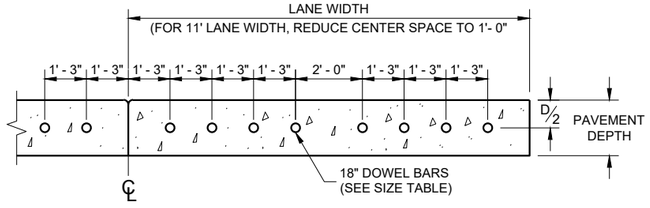
CONTRACTION JOINT LOCATIONS



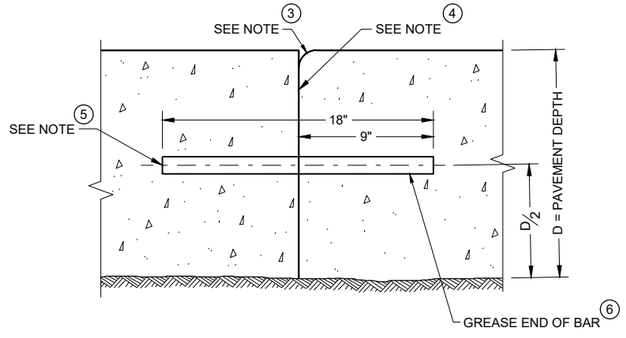
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

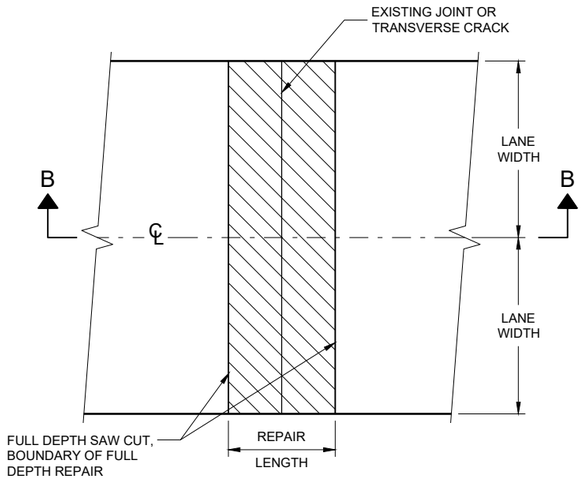
URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

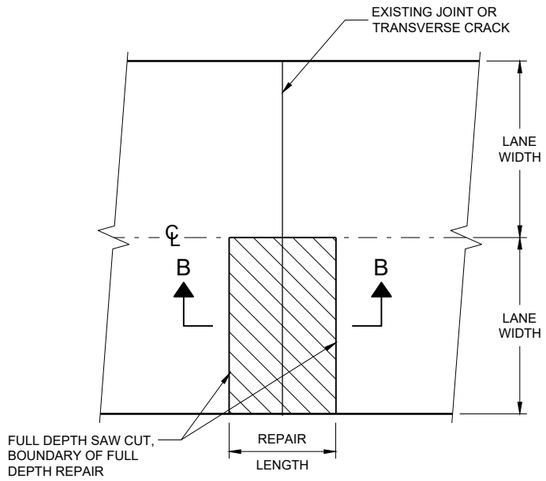
APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

6
SDD 13C13 - 11



PLAN VIEW
DOUBLE LANE REPAIR



PLAN VIEW
SINGLE LANE REPAIR

GENERAL NOTES

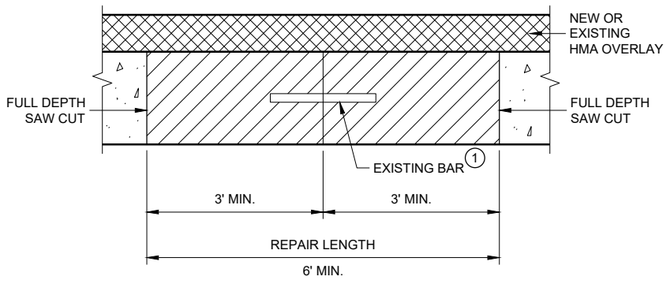
SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

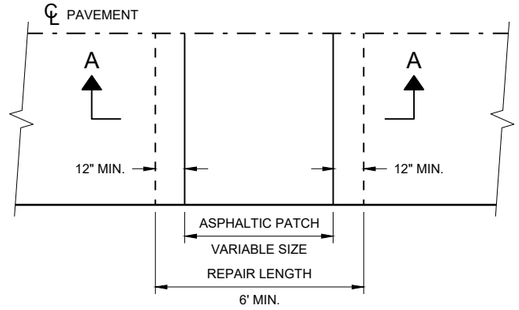
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

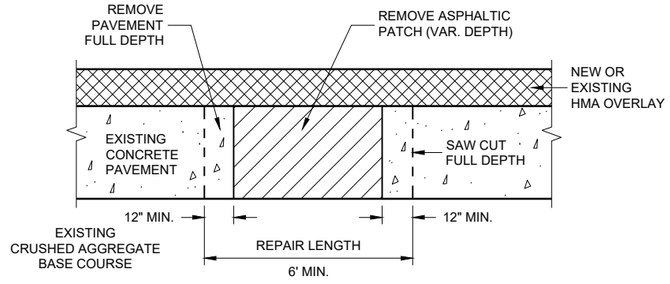
FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



PLAN VIEW



SECTION A - A

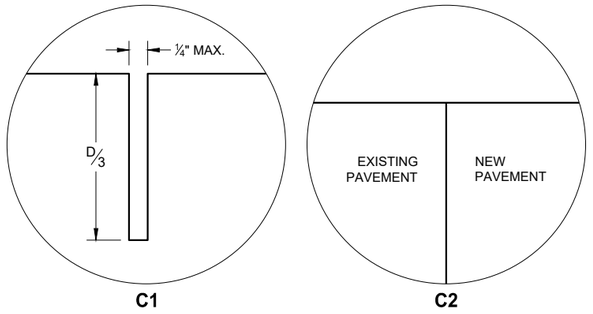
HMA PATCH REMOVAL

BASE PATCHING CONCRETE

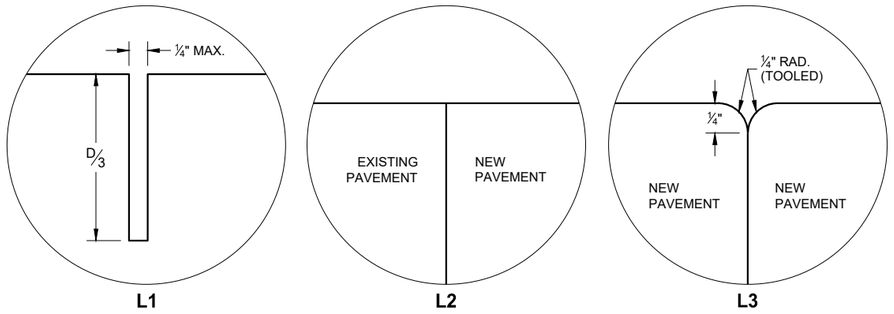
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 194

SDD 13C14 - 07a

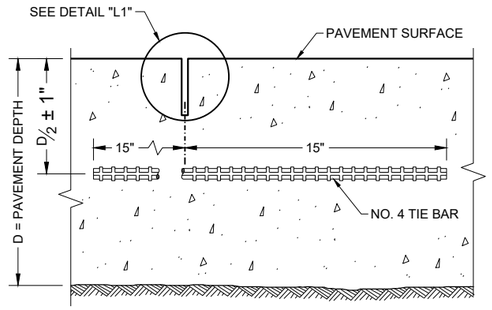
SDD 13C14 - 07a



TRANSVERSE JOINTS

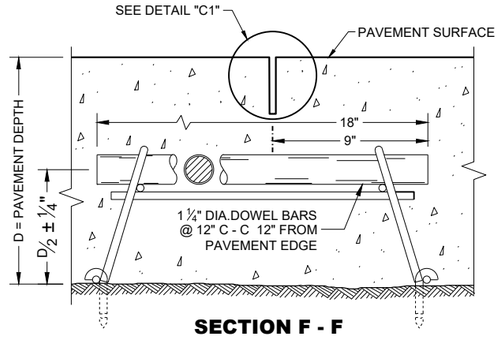


LONGITUDINAL JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

CONTRACTION JOINT

GENERAL NOTES

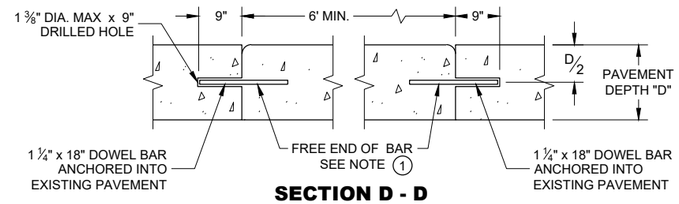
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE BASE PATCHES OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

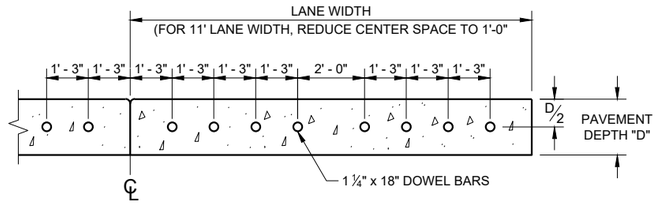
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

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.

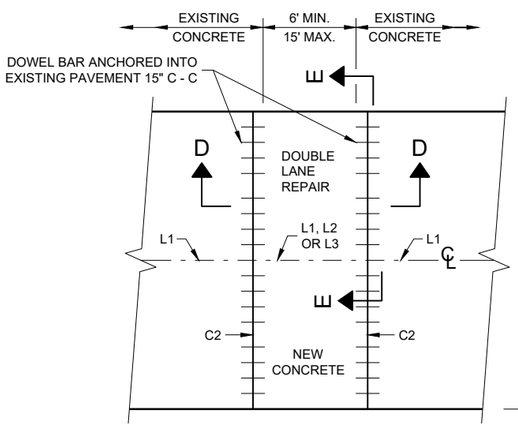


SECTION D - D



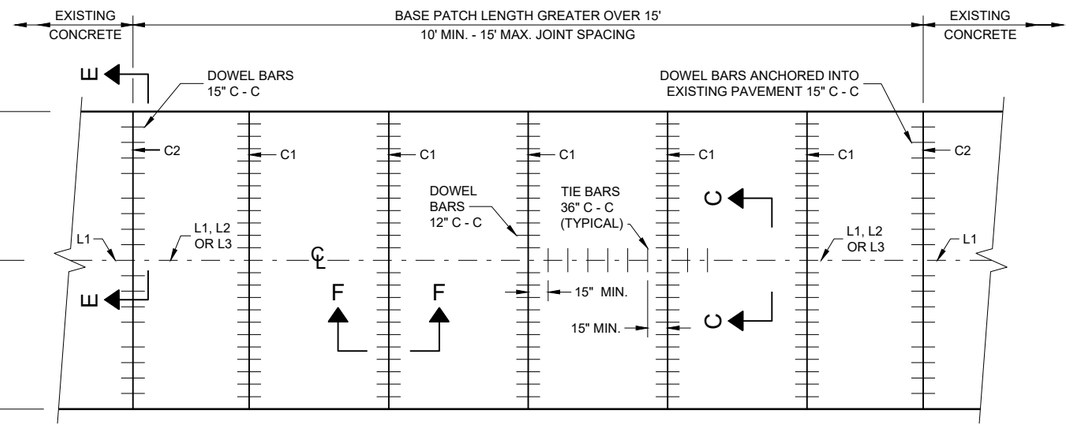
SECTION E - E

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

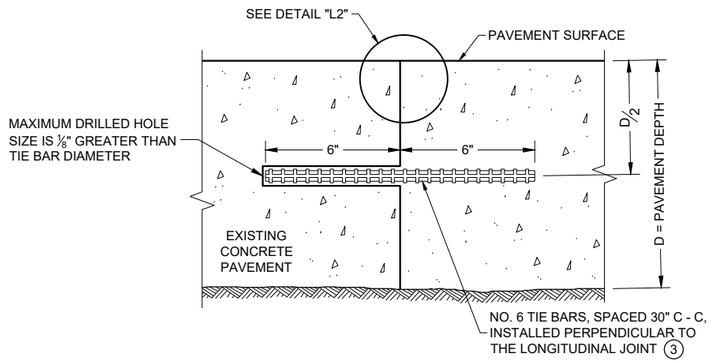
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 195

SDD 13C14 - 07b

SDD 13C14 - 07b

6

6

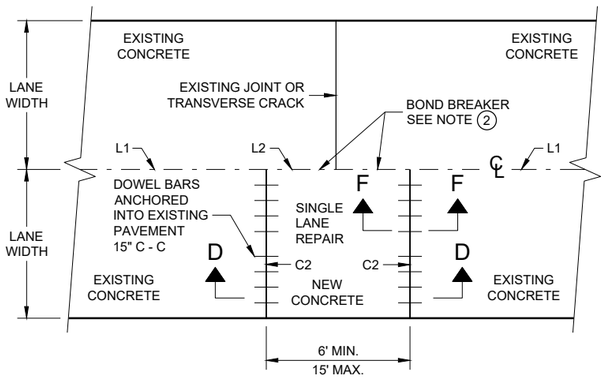


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

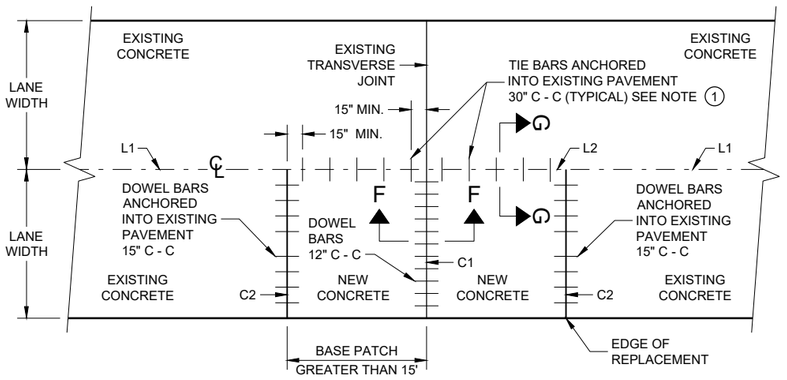
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH 15' MAXIMUM LENGTH



PLAN VIEW

SINGLE LANE CONCRETE BASE PATCH GREATER THAN 15' LENGTH

BASE PATCHING CONCRETE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

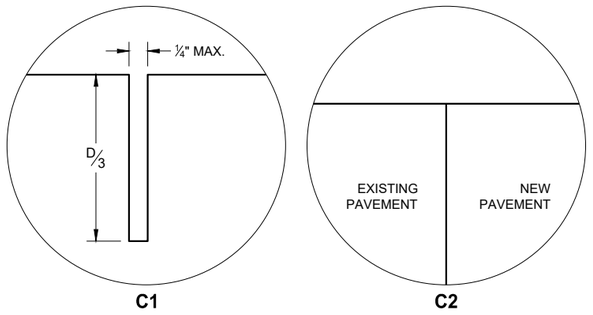
APPROVED
March 2018
DATE

/S/ Peter Kemp, P.E.
PAVEMENT SUPERVISO

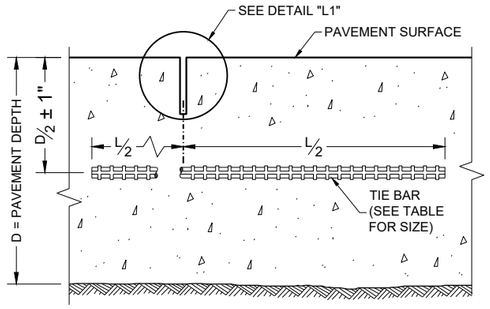
FHWA

6

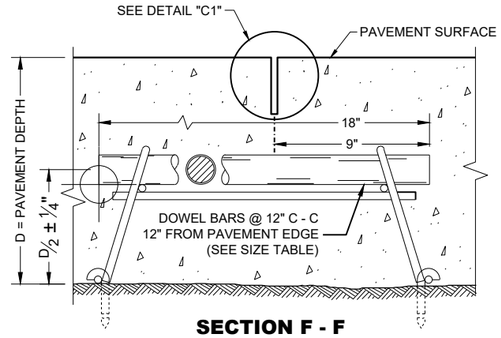
SDD 13C14 - 07c
SDD 13C14 - 07c



TRANSVERSE JOINTS



SECTION C - C
SAWED JOINT



SECTION F - F
CONTRACTION JOINT

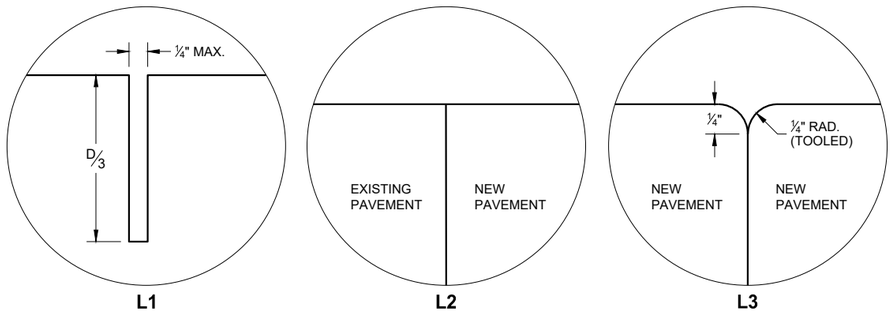
GENERAL NOTES

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

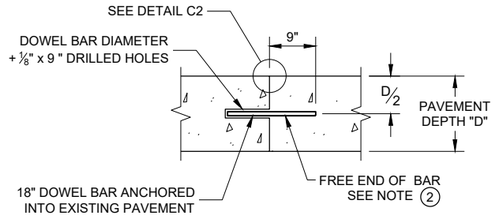
PROVIDE A MIMIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

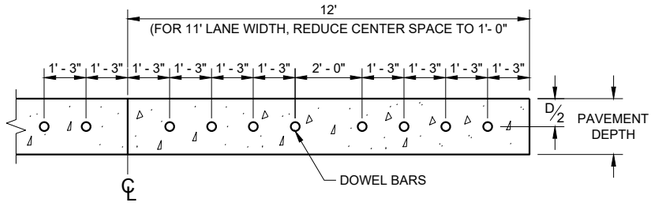
(2) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



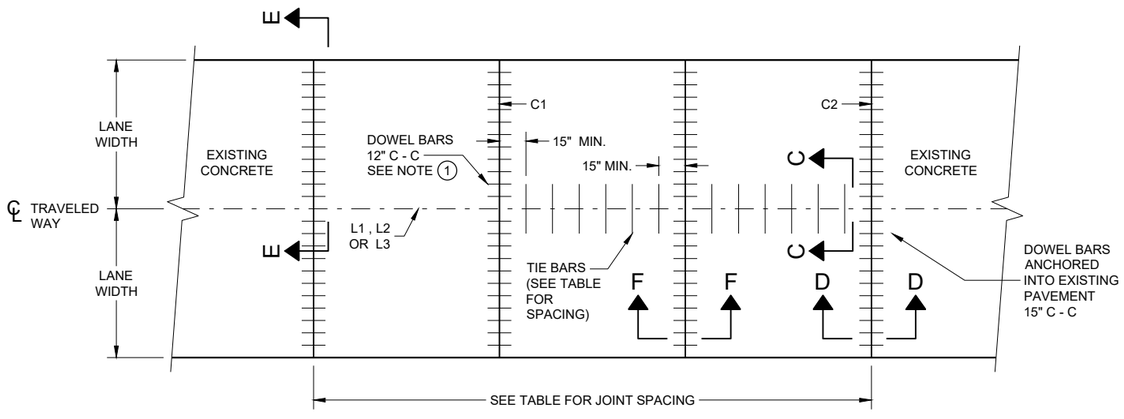
LONGITUDINAL JOINTS



SECTION D - D



SECTION E - E
SPACING OF DOWEL BARS
ANCHORED INTO EXISTING PAVEMENT



PLAN VIEW
CONCRETE BASE
CONTRACTION JOINT LOCATIONS

TIE BAR TABLE

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

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

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

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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

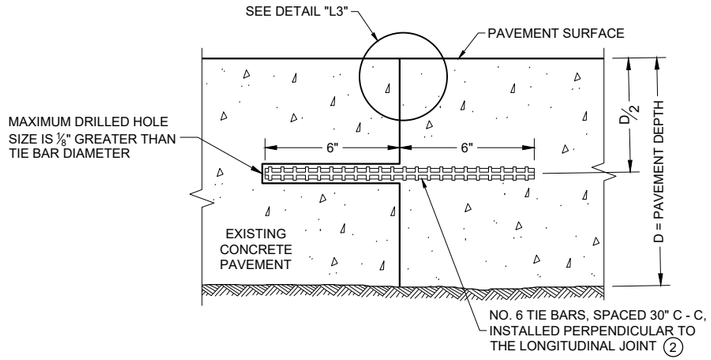
6

SDD 13C15 - 08a

CONCRETE BASE

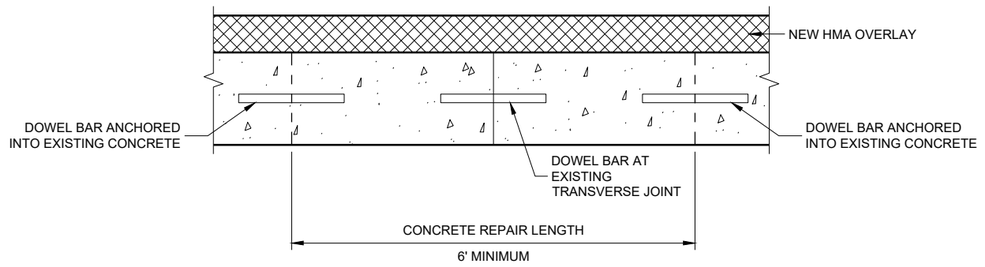
GENERAL NOTES

1. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) AT THE LONGITUDINAL JOINT IN LIEU OF TIE BARS FOR SINGLE LANE CONCRETE BASE REPAIRS UP TO 15 FEET IN LENGTH.
2. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
3. PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

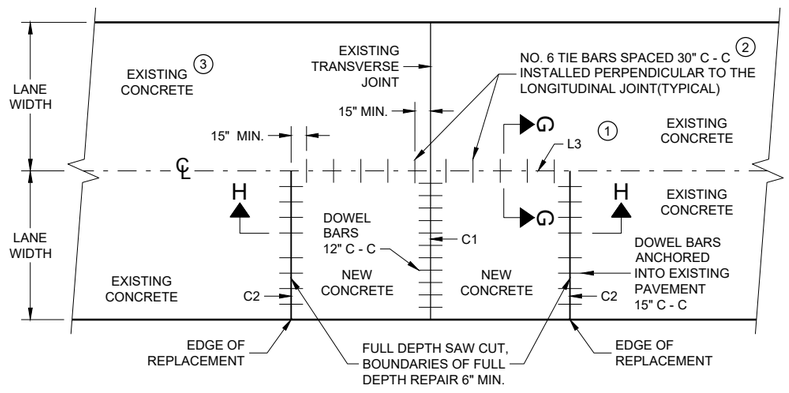


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT



SECTION H - H



PLAN VIEW

SINGLE LANE CONCRETE BASE REPAIR

6

SDD 13C15 - 08b

CONCRETE BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

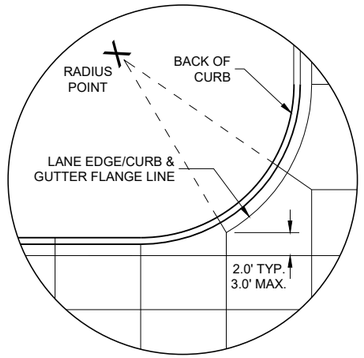
APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

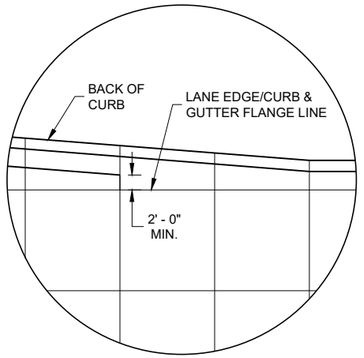
FHWA

6

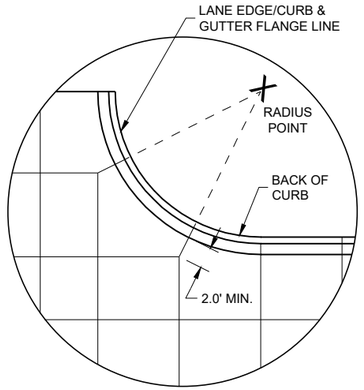
SDD 13C15 - 08b



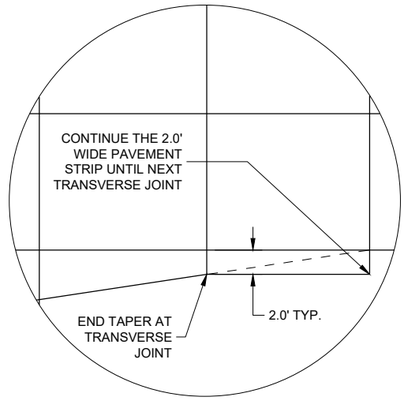
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

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

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

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

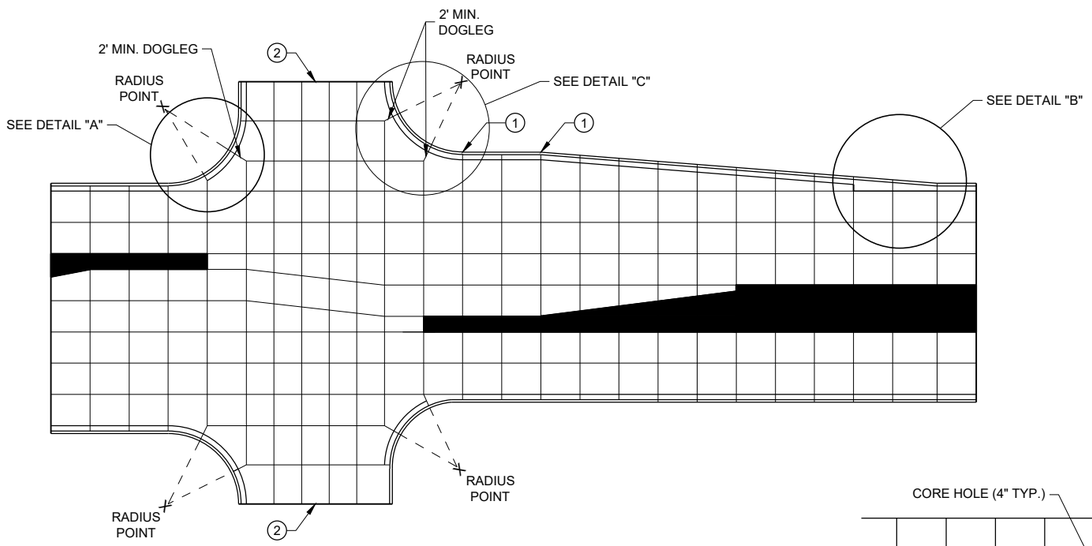
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.

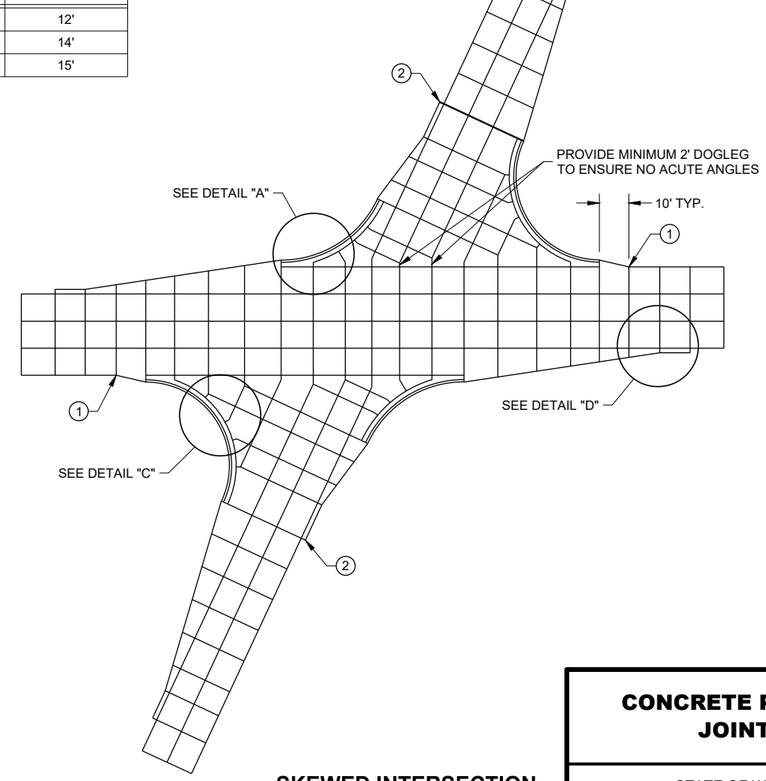
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



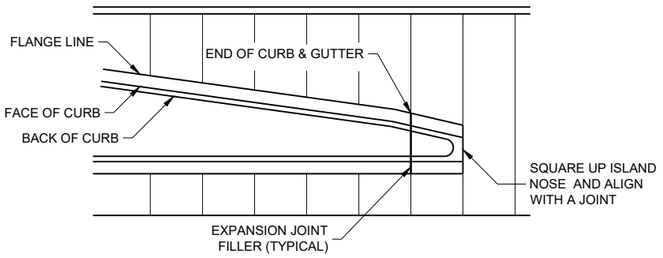
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

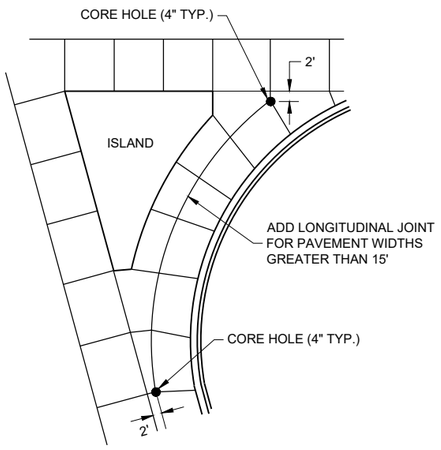
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 08a

6

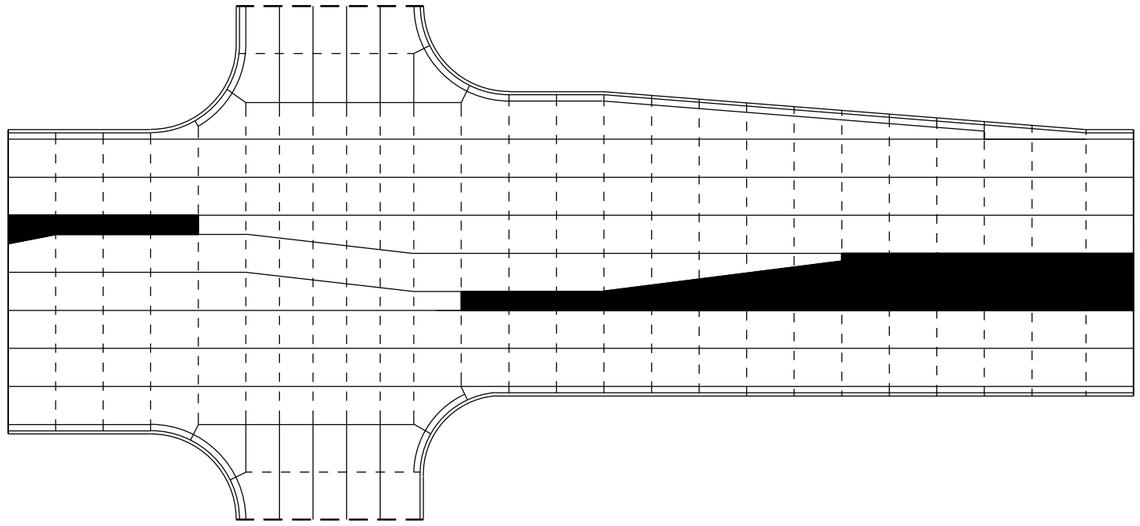
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

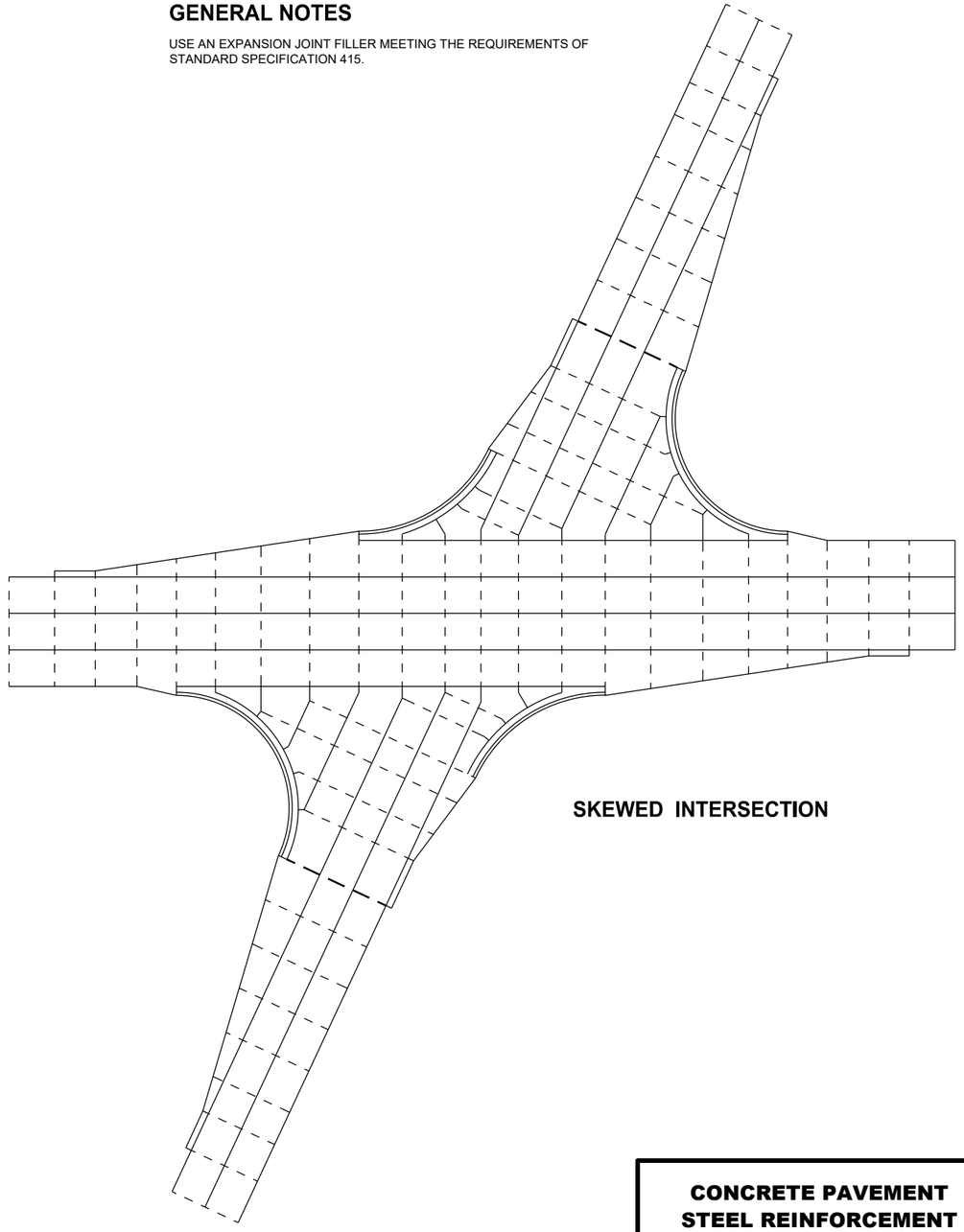
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

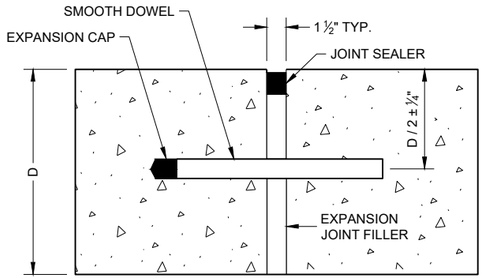
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

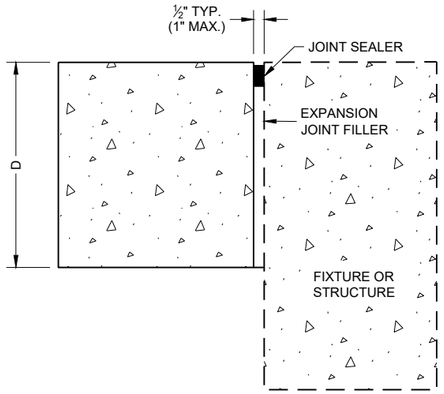
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 200

6

SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

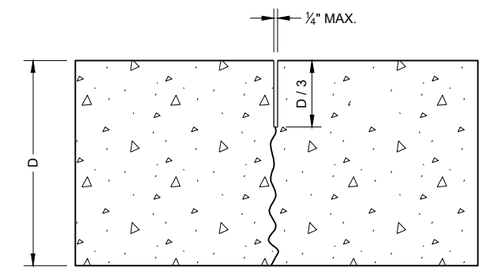
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

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

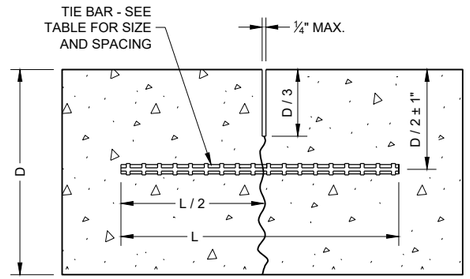
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

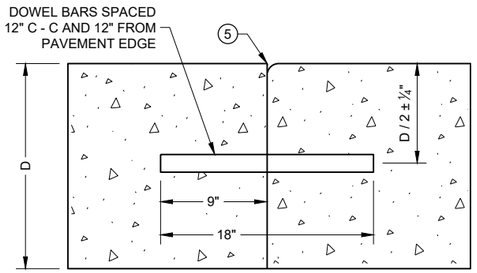
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM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



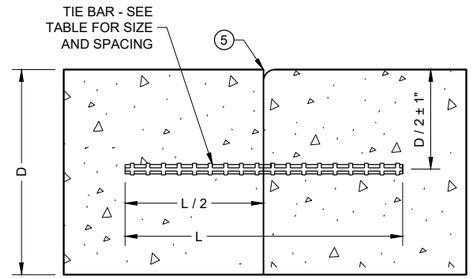
UNDOWELED TRANSVERSE



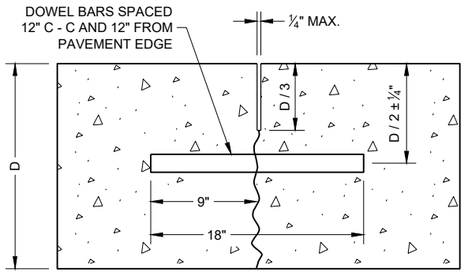
TIED LONGITUDINAL



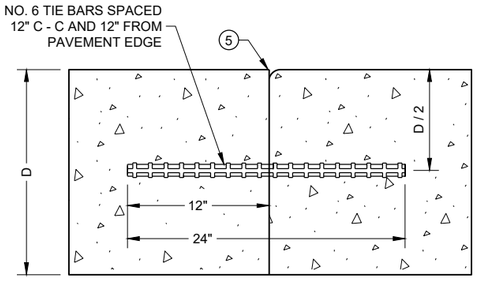
DOWELED TRANSVERSE (3)



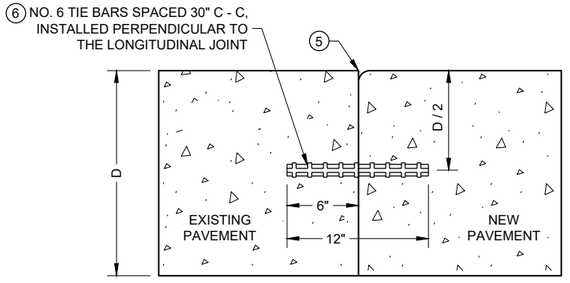
TIED LONGITUDINAL



DOWELED TRANSVERSE



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

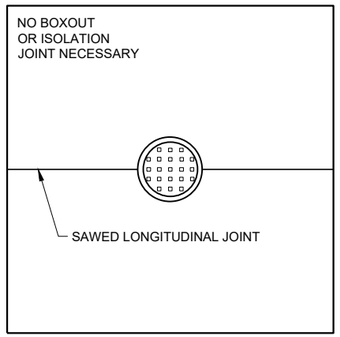


TIED LONGITUDINAL TO EXISTING

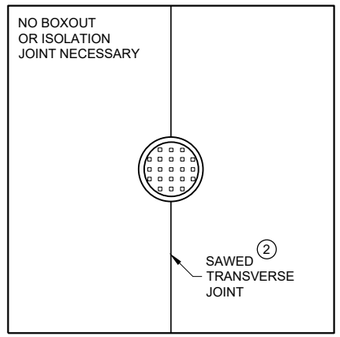
CONTRACTION JOINTS (2)

CONSTRUCTION JOINTS (4)

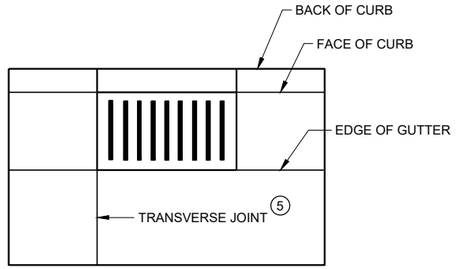
CONCRETE PAVEMENT JOINT TYPES



MANHOLE WITH LONGITUDINAL JOINT



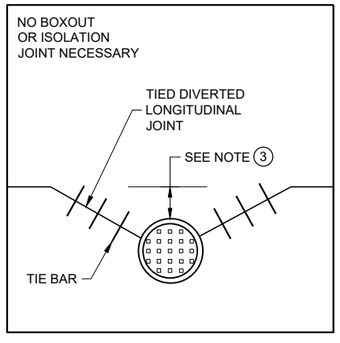
MANHOLE WITH TRANSVERSE JOINT



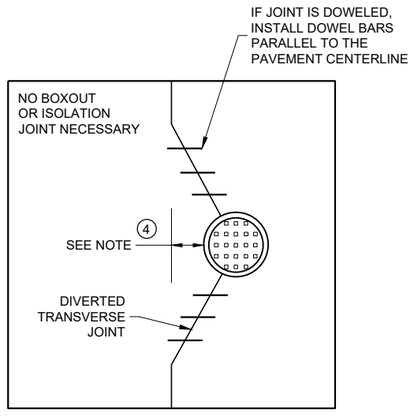
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

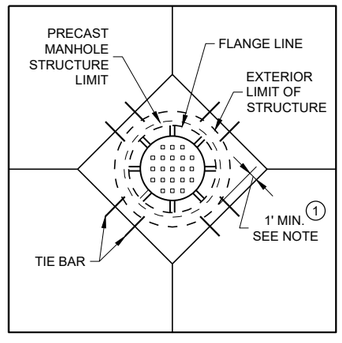
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF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



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

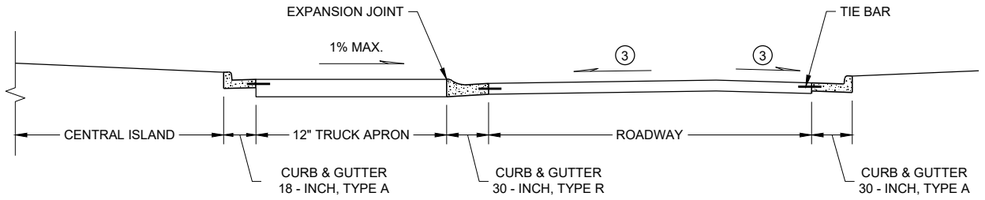
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

FHWA

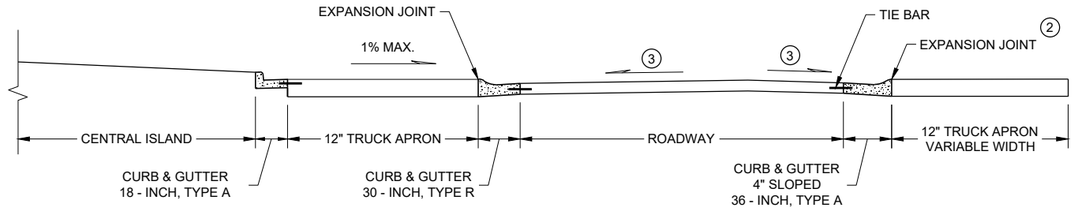
6

SDD13C18 - 08d

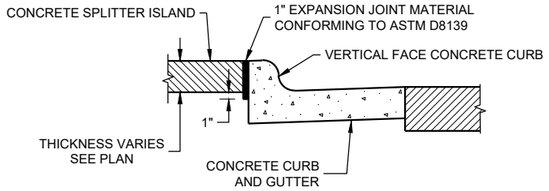
SDD13C18 - 08d



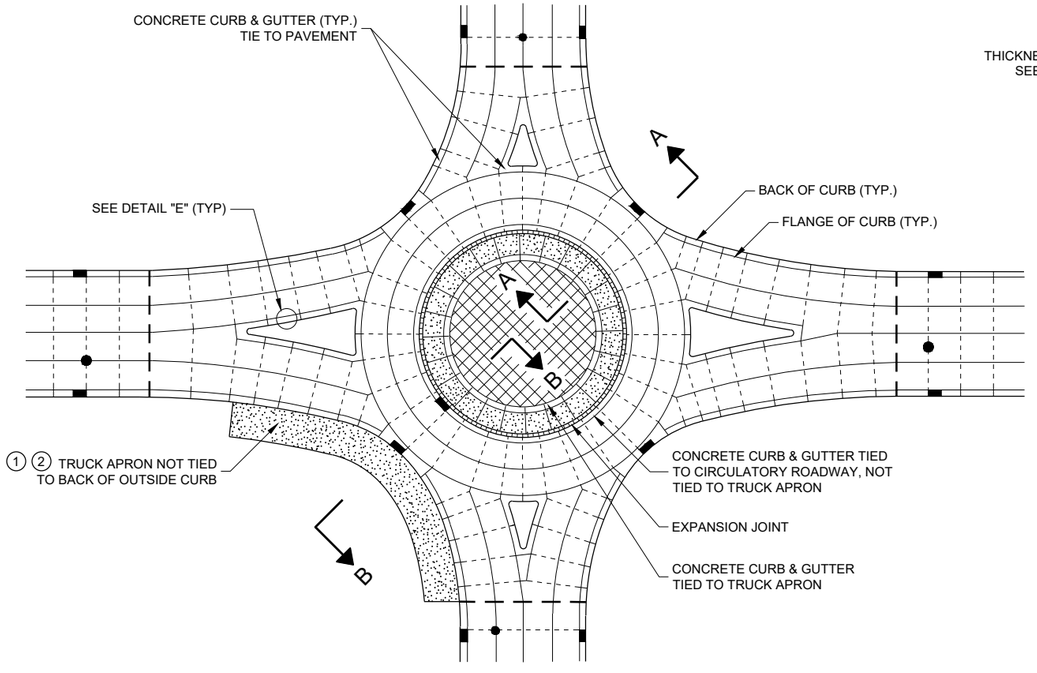
SECTION A - A



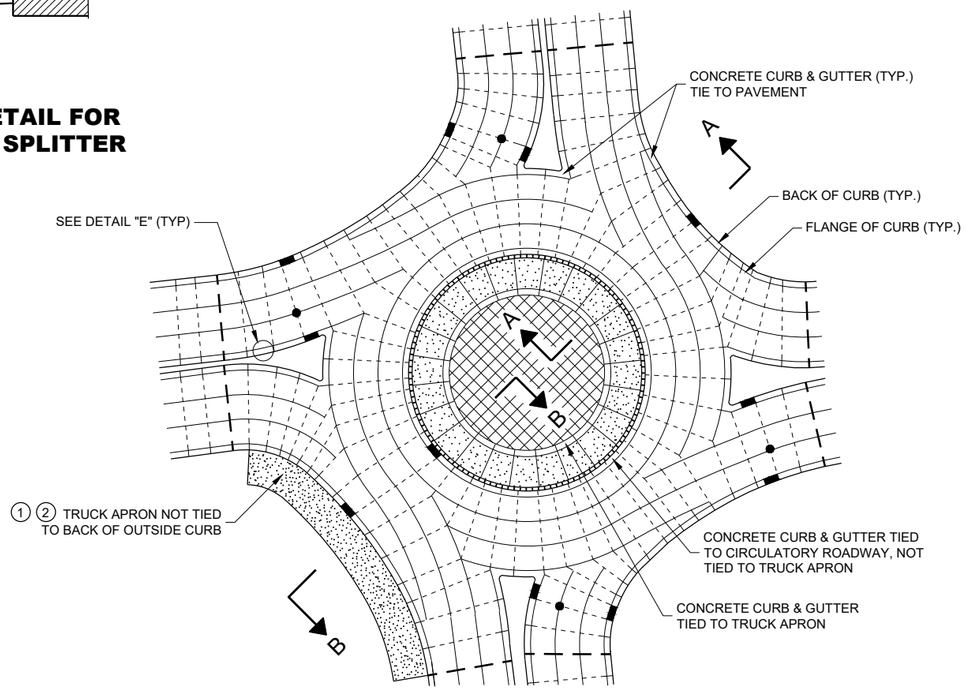
SECTION B - B



DETAIL 'E'
EXPANSION JOINT DETAIL FOR VERTICAL CURB AT A SPLITTER ISLAND



ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS



PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 - SHEET "a"

USE EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

(1) DESIGNER DETERMINES SIZE AND LOCATION(S) OF TRUCK APRON TO ACCOMMODATE TRACKING OF OVERSIZE / OVERWEIGHT VEHICLES.

(2) TIE THE OUTSIDE TRUCK APRON TO THE BACK SIDE OF CURB ONLY WHEN ENTIRE TRUCK APRON IS LESS THAN 3 FEET.

(3) CONFORM TO PLAN CONSTRUCTION DETAILS FOR CIRCULATORY ROADWAY CROSS SLOPE.

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

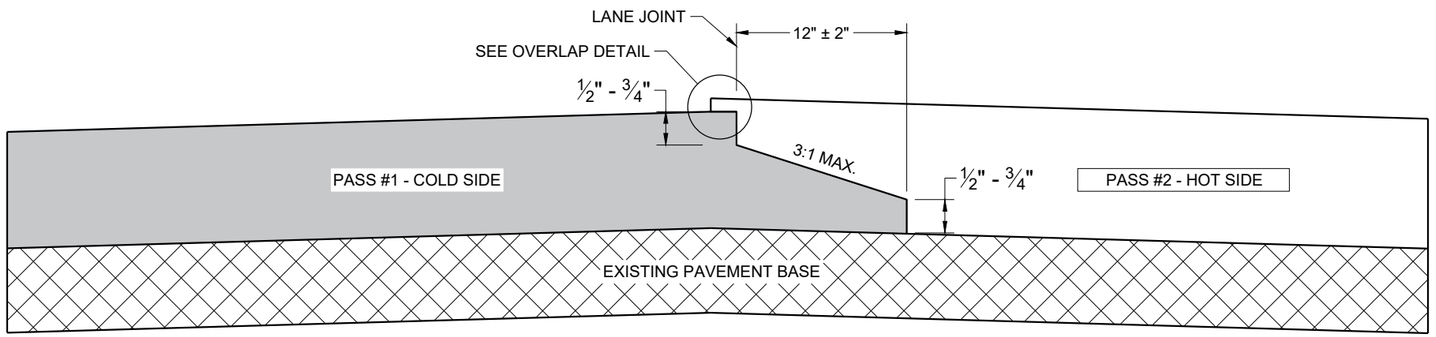
APPROVED
May 2023
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

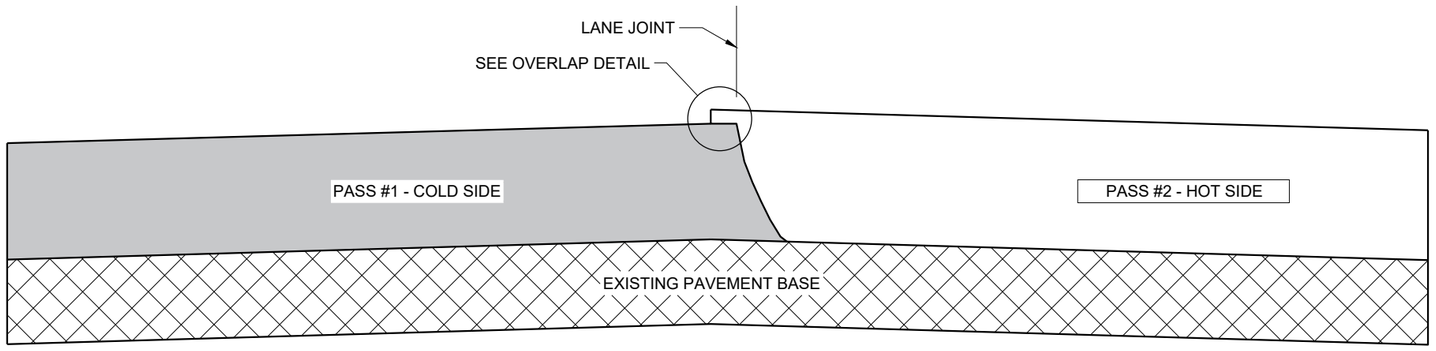
FHWA

6

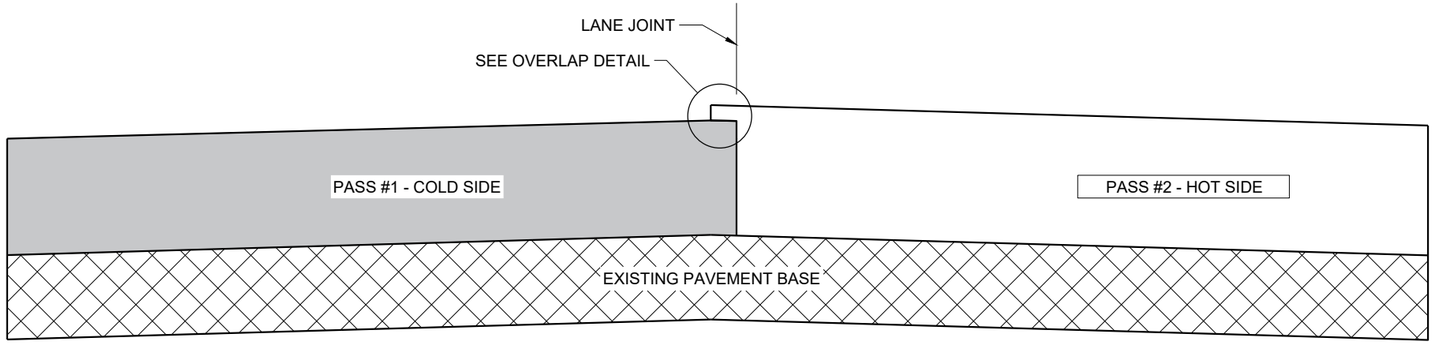
SDD 13C18 - 08e



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

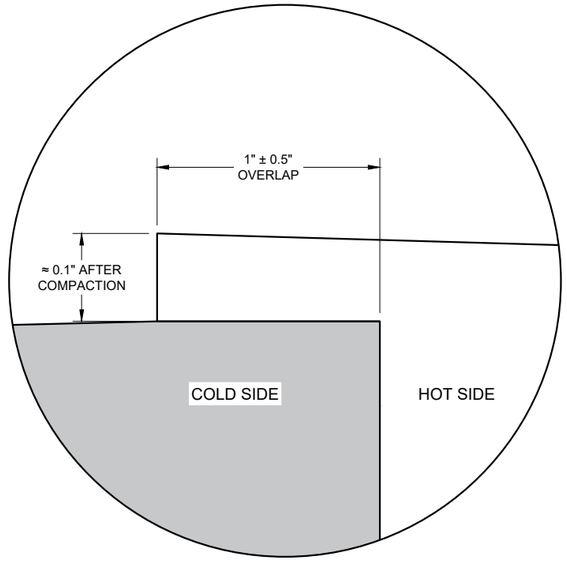
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

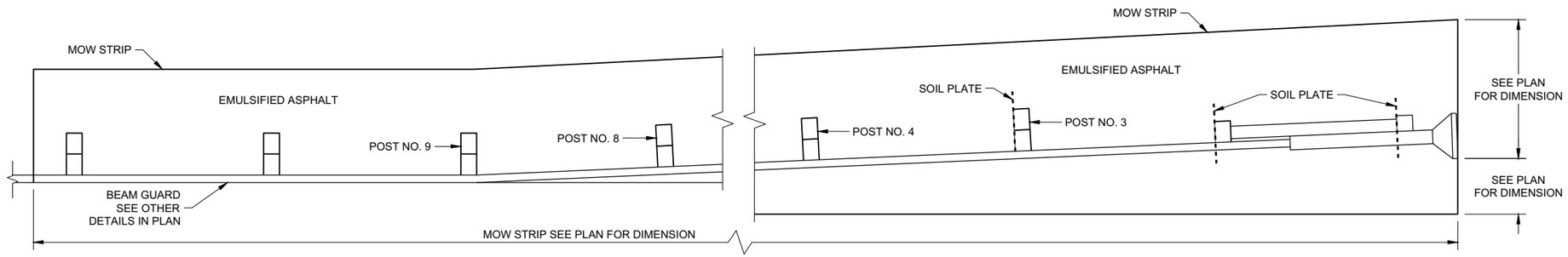
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



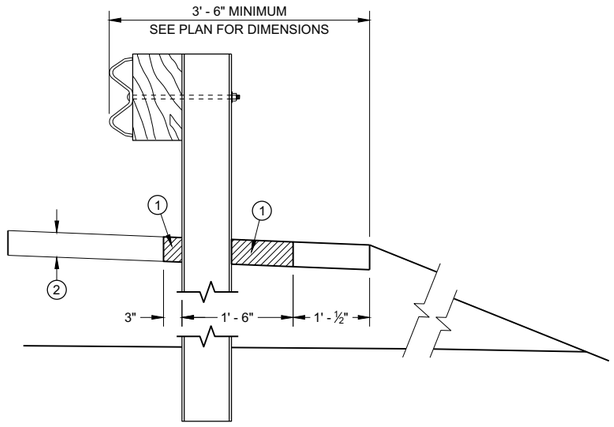
PLAN VIEW

MOW STRIP LAYOUT FOR ENERGY ABSORBING TERMINAL

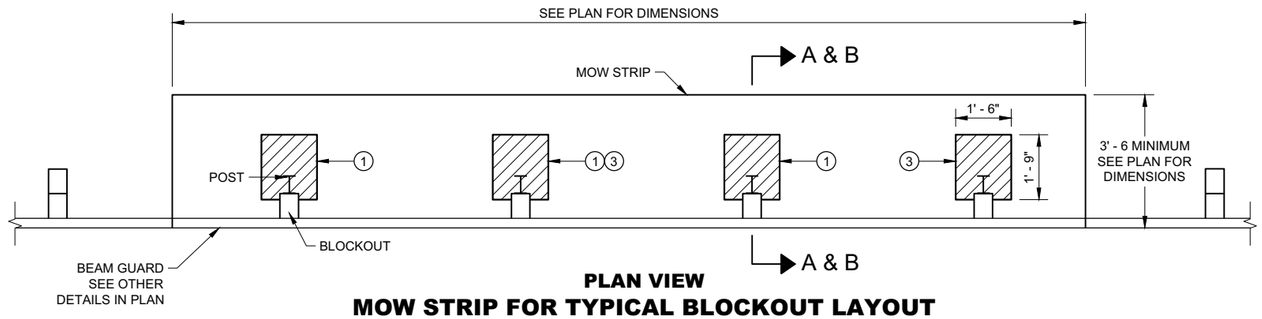
GENERAL NOTES

ONLY USE STEEL POSTS IN CONCRETE AND ASPHALT MOW STRIPS.

1. CONTROLLED LOW-STRENGTH BACKFILL OR EMULSIFIED ASPHALT.
2. DEPTH OF MOW STRIP:
   ASPHALT - 4"
   CONCRETE - 4"
   EMULSIFIED ASPHALT - 1" OR LESS
3. FOR EMULSIFIED ASPHALT, MOW STRIP STRIP LEAVE OUTS NOT REQUIRED. (TYPICAL FOR ALL POSTS)

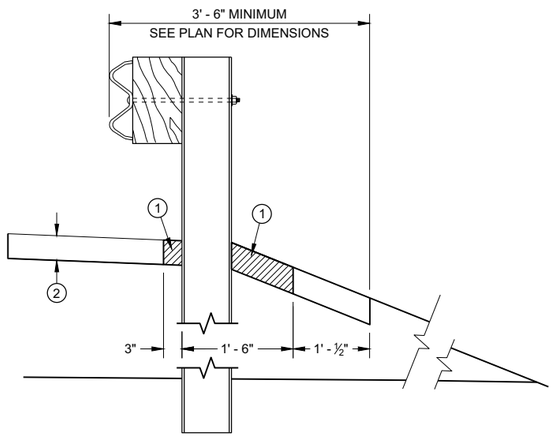


SECTION A - A

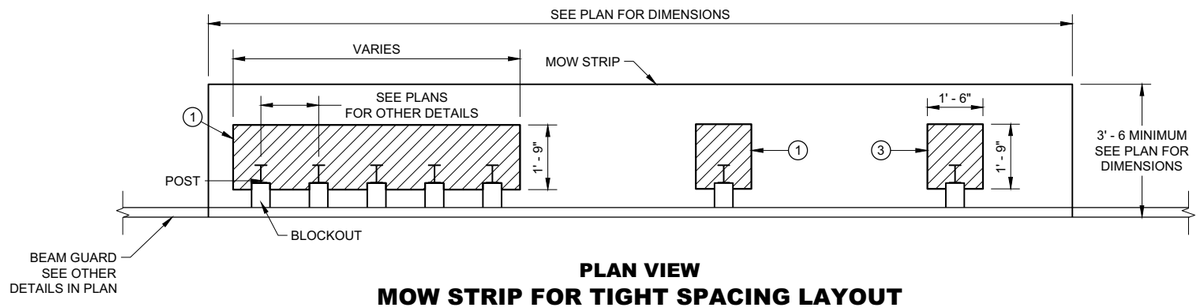


PLAN VIEW

MOW STRIP FOR TYPICAL BLOCKOUT LAYOUT

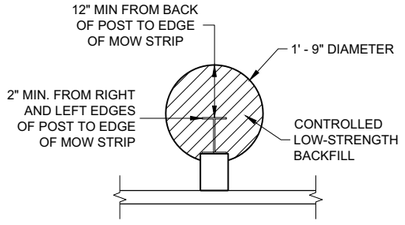


SECTION B - B

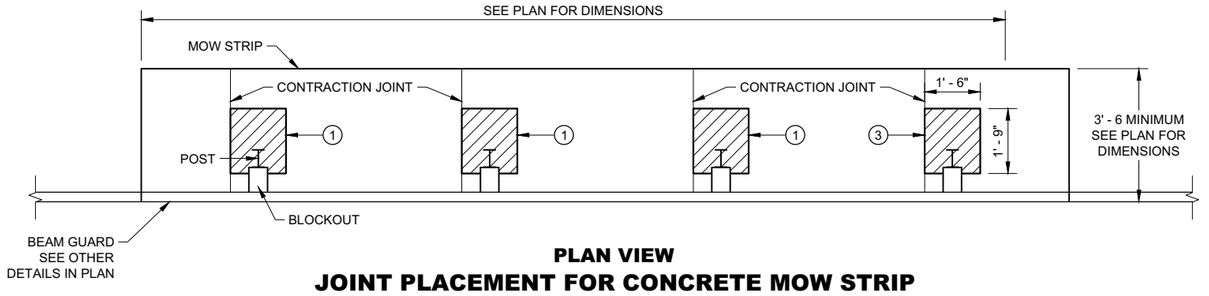


PLAN VIEW

MOW STRIP FOR TIGHT SPACING LAYOUT



ALTERNATIVE HMA MOW STRIP DESIGN



PLAN VIEW

JOINT PLACEMENT FOR CONCRETE MOW STRIP

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B28 - 04a

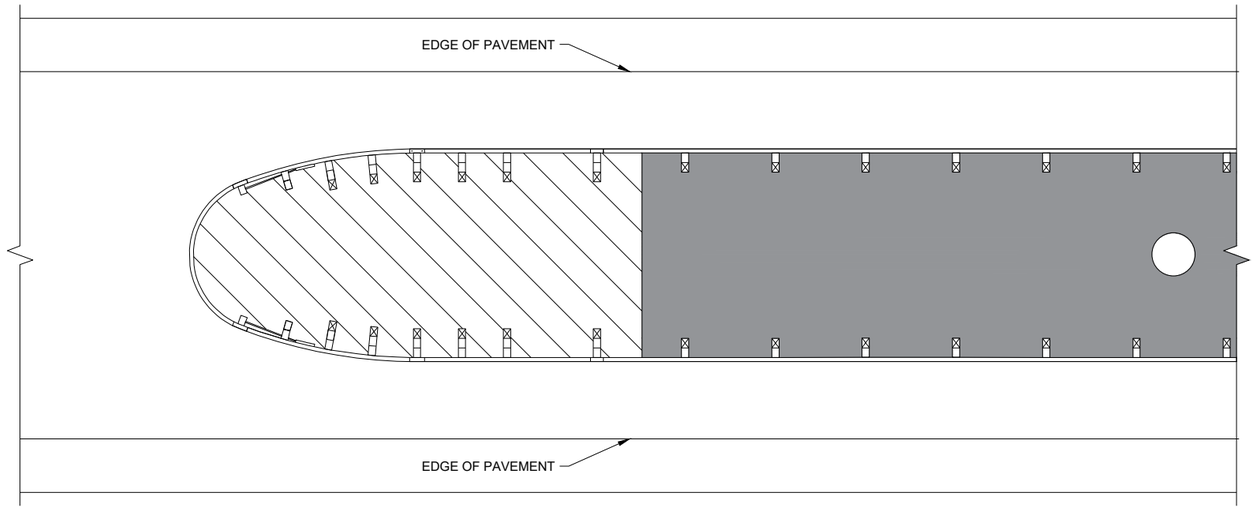
LEGEND

CONCRETE, ASPHALT, OR EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

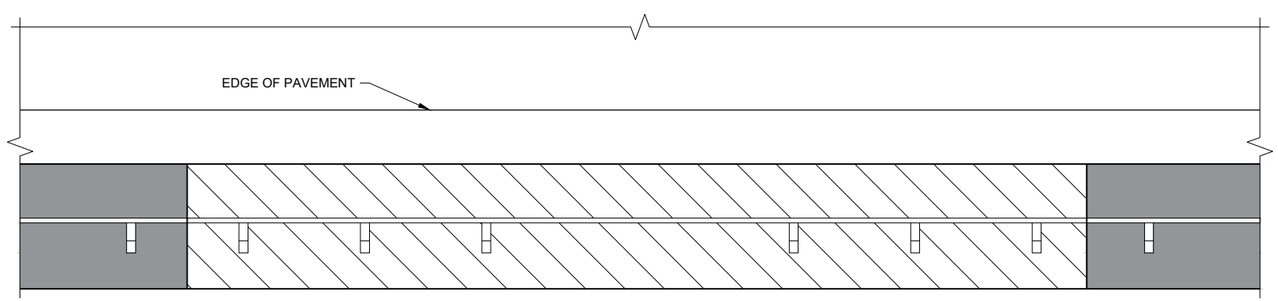
EMULSIFIED ASPHALT MOW STRIP (SEE OTHER DETAILS)

GENERAL NOTES

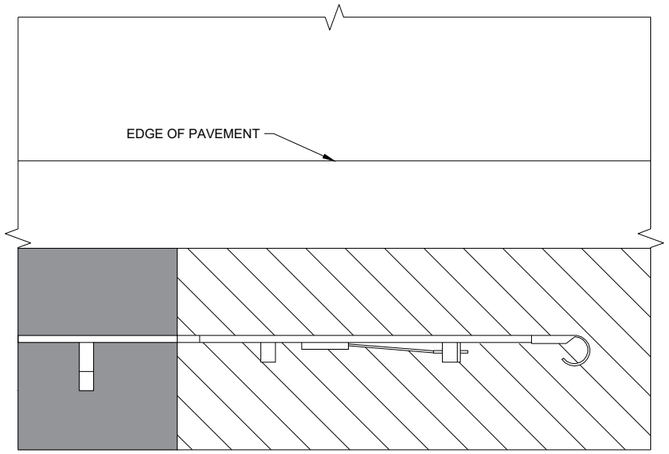
EXISTING THRIE BEAM BULLNOSES MAY HAVE WOOD POSTS. NEW THRIE BEAM BULLNOSE WILL HAVE STEEL POSTS.



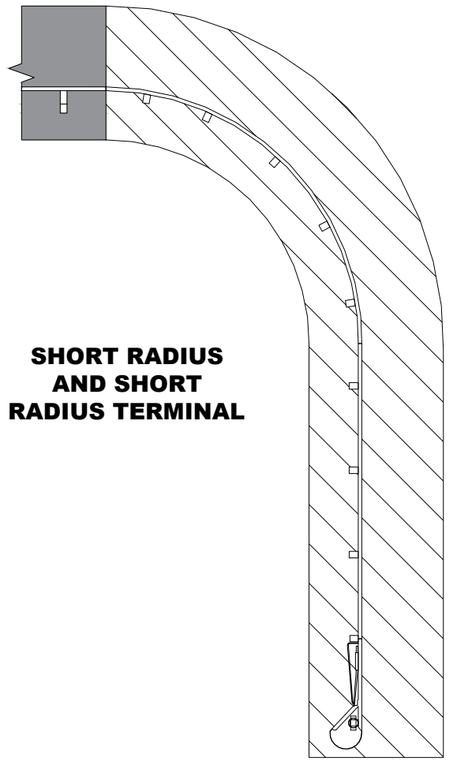
THRIE BEAM BULLNOSE



LONG - SPAN



TYPE 2 TERMINAL



SHORT RADIUS AND SHORT RADIUS TERMINAL

GUARDRAIL MOW STRIP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

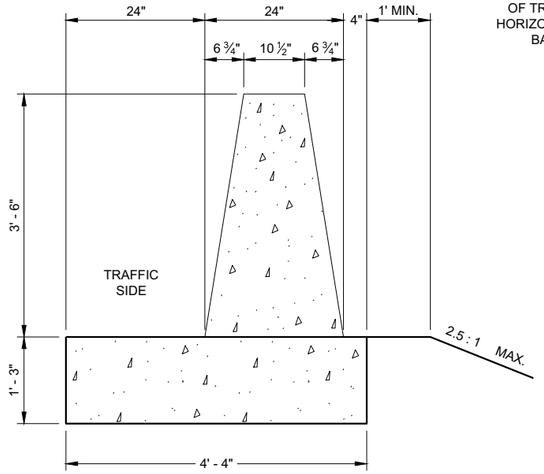
FHWA

6

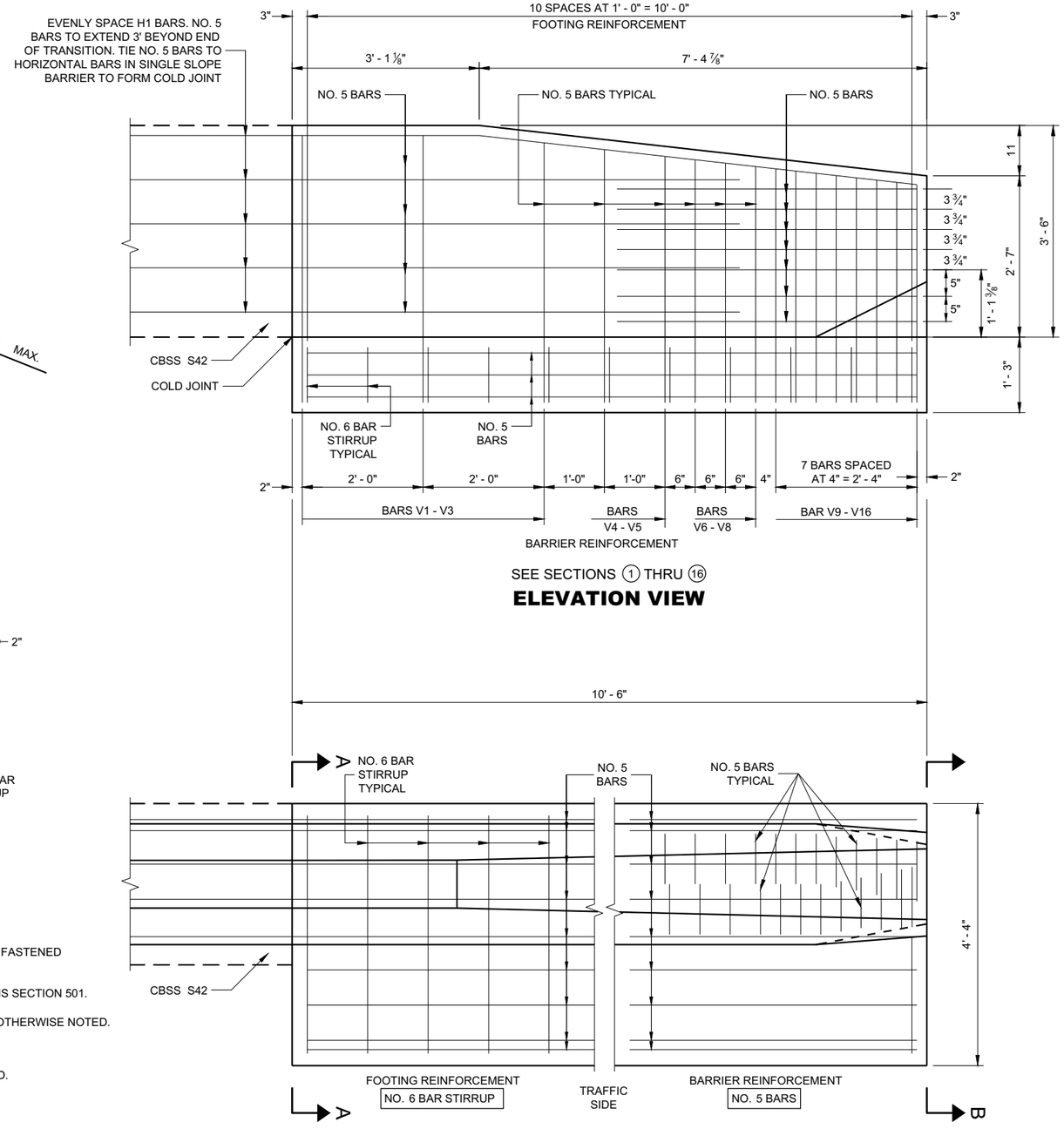
SDD 14B28 - 04b

6

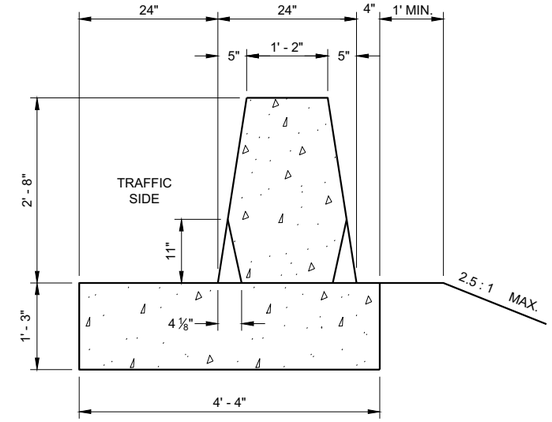
SDD 14B28 - 04b



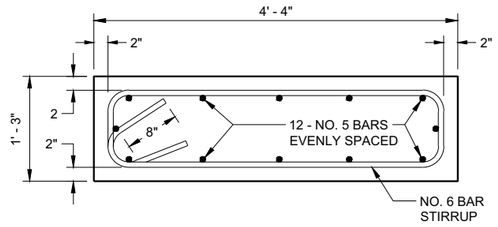
SECTION A - A



ELEVATION VIEW

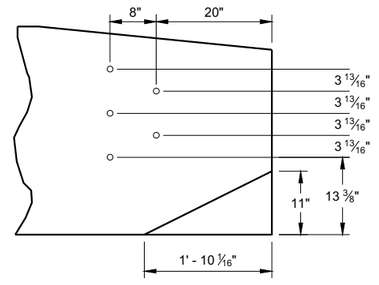


SECTION B - B



TYPICAL FOOTING

PLAN VIEW



PVC PIPE LOCATIONS

GENERAL NOTES

CONSTRUCT PER STANDARD SPECIFICATION 603.

SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED AND FASTENED TOGETHER UNLESS OTHERWISE NOTED.

4000 PSI CONCRETE AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.

USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS OTHERWISE NOTED.

THRIE BEAM ANCHOR INCIDENTAL TO CONCRETE BARRIER ITEM.

INSTALL SCHEDULE 40 PVC PIPE 1" DIAMETER AT LOCATIONS INDICATED.

EXTEND PVC PIPE COMPLETELY THROUGH BARRIER.

CUT ENDS OF PVC PIPE FLUSH WITH FINISHED FACE OF BARRIER.

THE NUMBER IN BAR DESIGNATION REPRESENTS THE BARS LOCATION.

2" CLEAR COVER TYPICAL.

CONCRETE BARRIER
SINGLE SLOPE 42"
THRIE BEAM ANCHOR

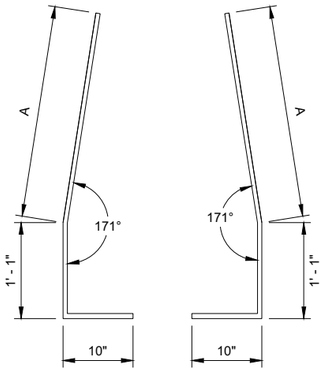
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B33 - 02g

SDD 14B33 - 02g

BAR CHART
BAR POSITIONS
1 - 11

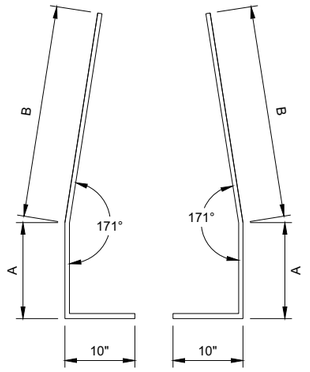
BAR	A
V1	3' - 4 ½"
V2	3' - 4 ½"
V3	3' - 2 ½"
V4	3' - 1"
V5	2' - 11 ½"
V6	2' - 11"
V7	2' - 10 ½"
V8	2' - 9 ½"
V9	2' - 9"
V10	2' - 8 ½"
V11	2' - 8"



BAR BENDING DETAIL
SECTIONS V1 - V4

BAR CHART
BAR POSITIONS
12 - 13

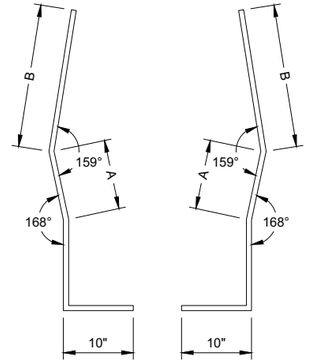
BAR	A	B
V12	1' - 3"	2' - 6"
V13	1' - 8"	2' - 1 ½"



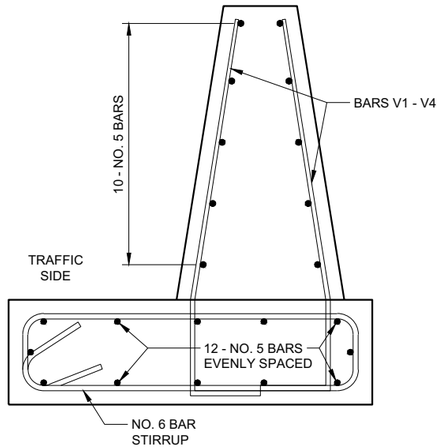
BAR BENDING DETAIL
SECTIONS V12 - V13

BAR CHART
BAR POSITIONS
14 - 16

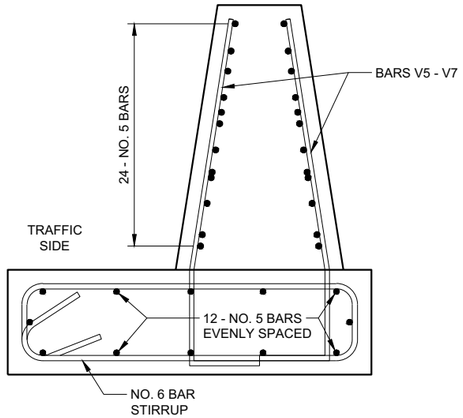
BAR	A	B
V14	6"	2' - 1"
V15	8"	1' - 11"
V16	10"	1' - 8 ½"



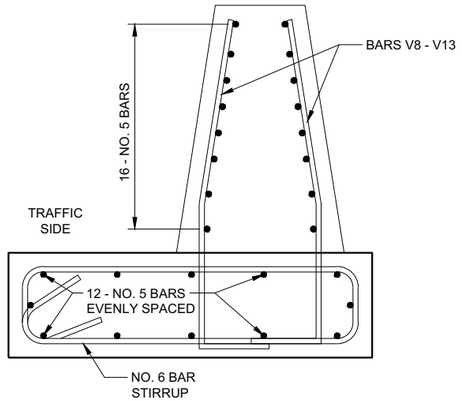
BAR BENDING DETAIL
SECTIONS V14 - V16



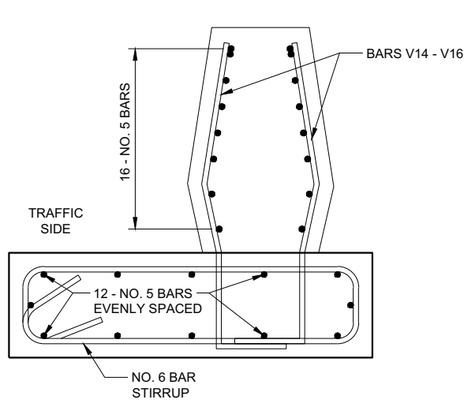
BAR DETAIL
SECTIONS 1 - 4



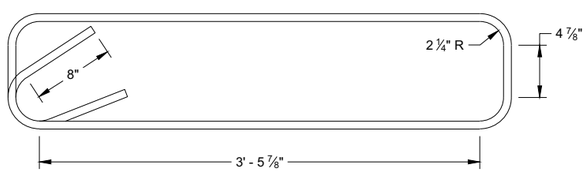
BAR DETAIL
SECTIONS 5 - 7



BAR DETAIL
SECTIONS 8 - 13



BAR DETAIL
SECTIONS 14 - 16



STIRRUP BAR
BENDING DETAIL

CONCRETE BARRIER
SINGLE SLOPE 42"
THRIE BEAM ANCHOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
ENGINEER

FHWA

6

SDD 14B33 - 02h

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

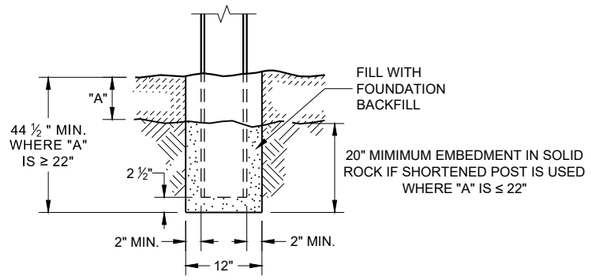
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

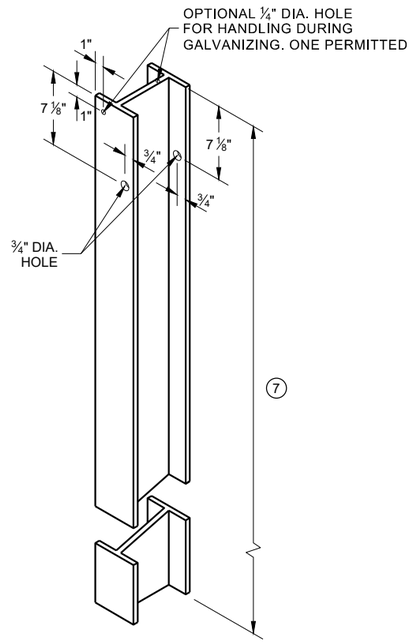
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

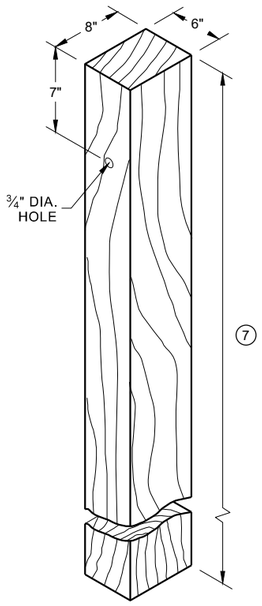
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



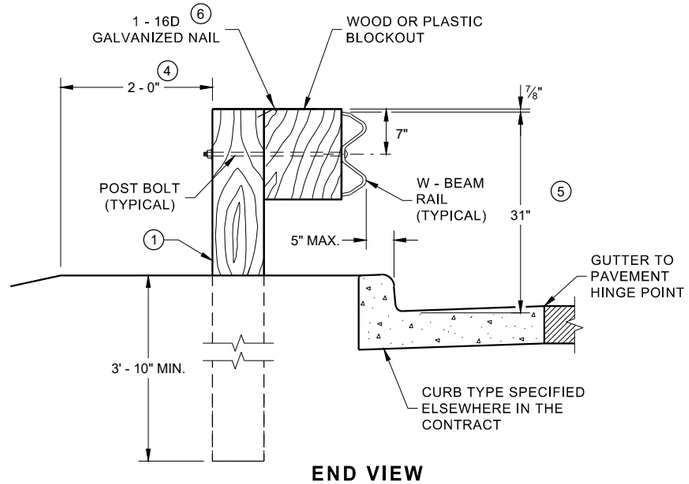
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



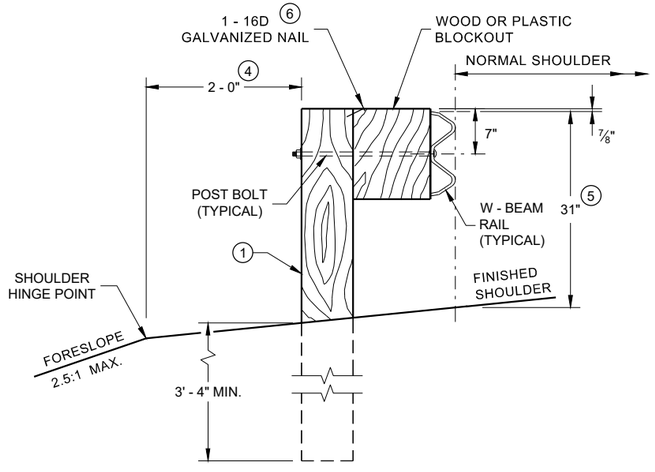
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



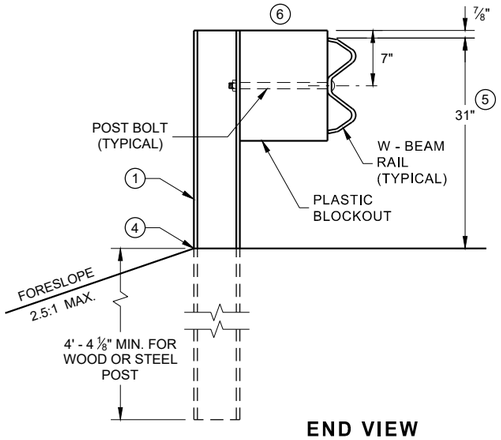
WOOD POST (6" X 8") NOMINAL (1)



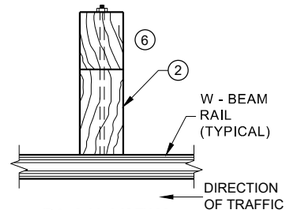
END VIEW
LOCATED ALONG A CURBED ROADWAY



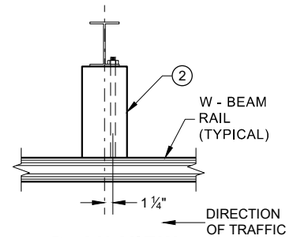
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



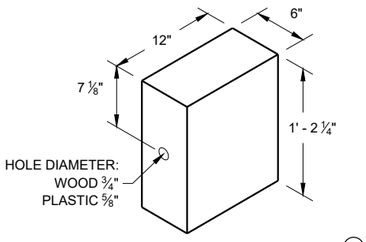
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

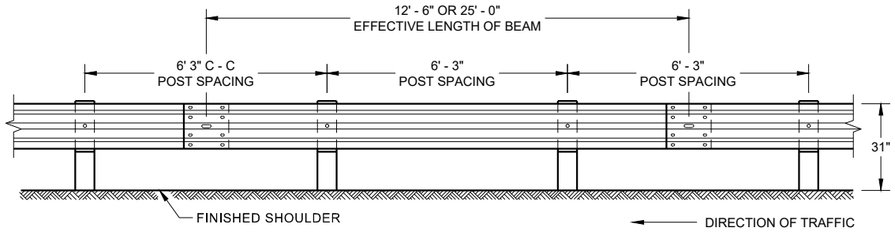
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

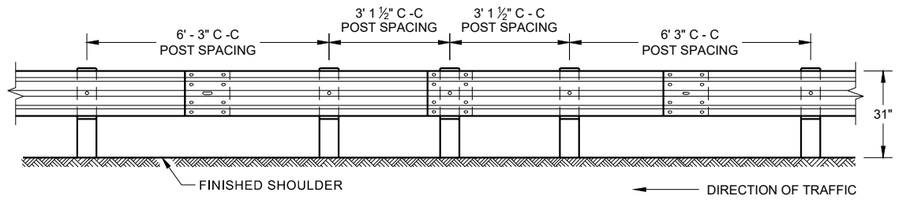
SDD 14B42 - 07a

6

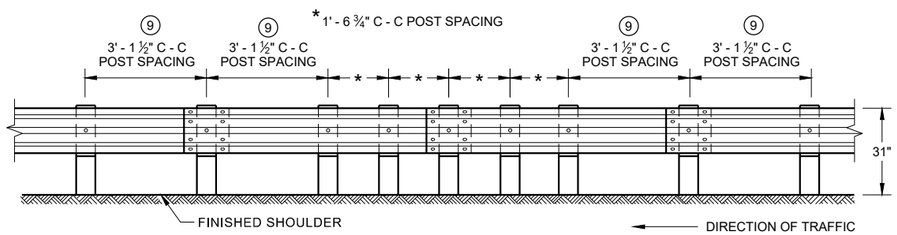
SDD 14B42 - 07a



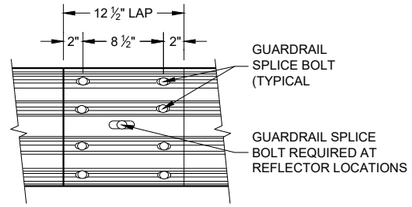
FRONT VIEW
POST SPACING STANDARD INSTALLATION



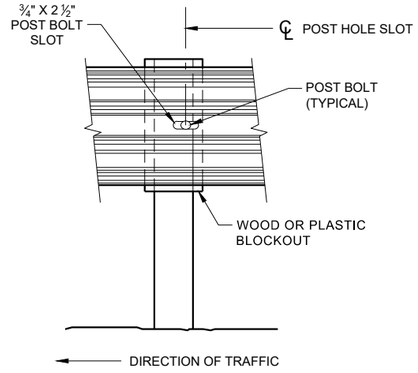
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



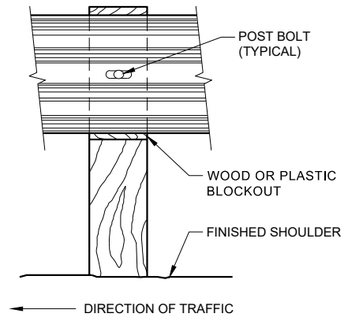
FRONT VIEW
QUARTER POST SPACING (QS)



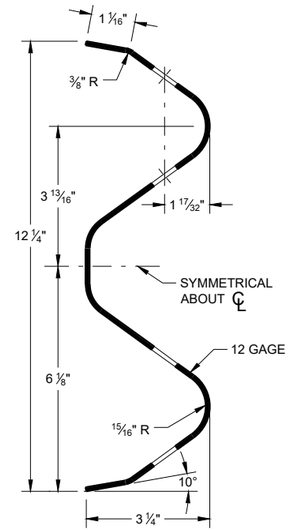
FRONT VIEW
MID-SPAN BEAM SPLICE



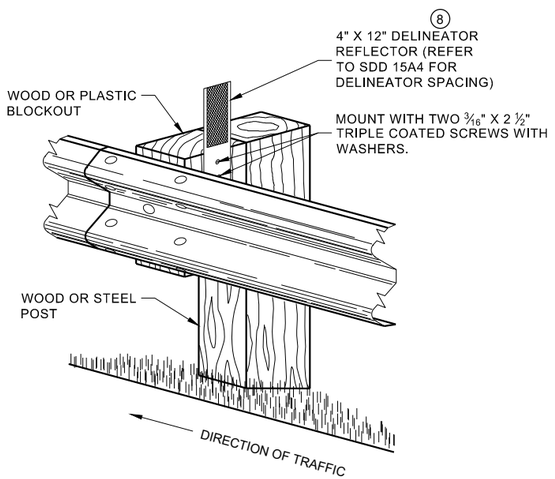
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

(8) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

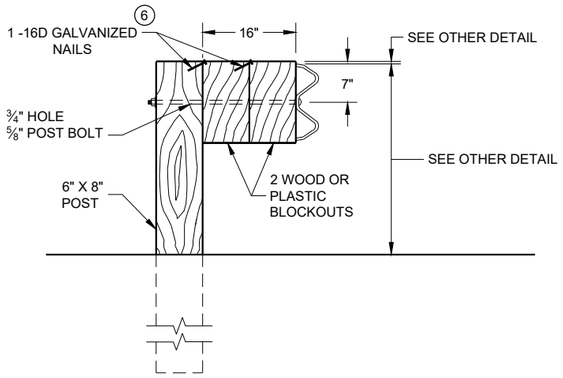
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B42 - 07b
SDD 14B42 - 07b

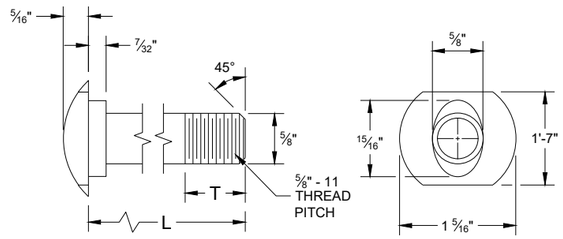


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

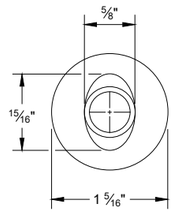
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

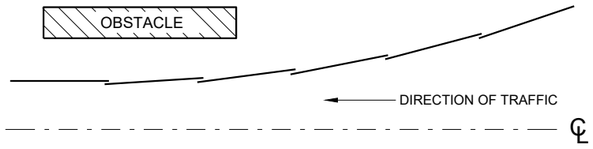


POST BOLT TABLE

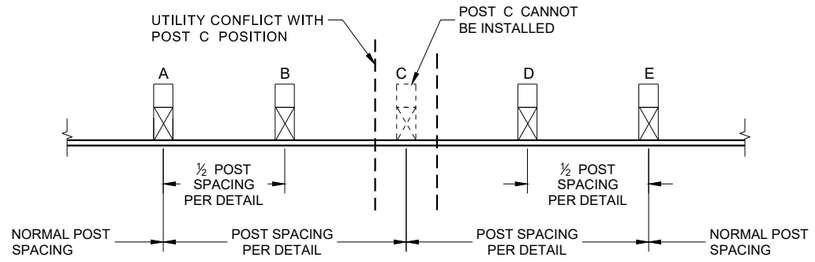
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



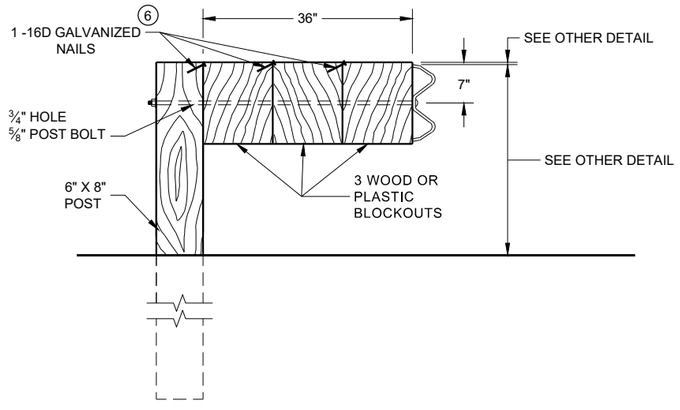
ALTERNATE BOLT HEAD



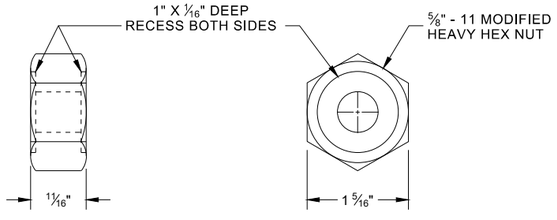
PLAN VIEW
BEAM LAPPING DETAIL



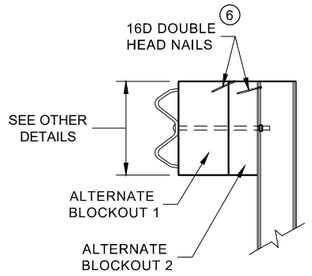
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



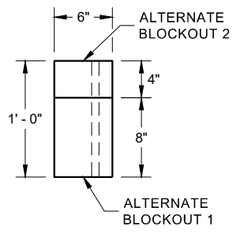
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

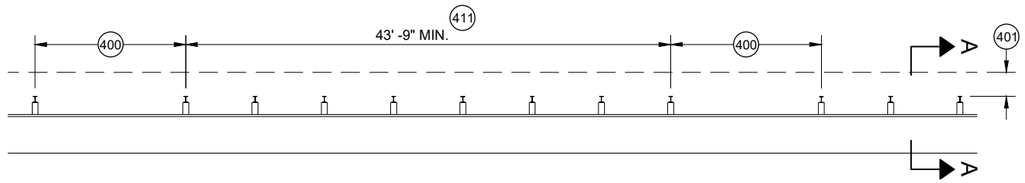
ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

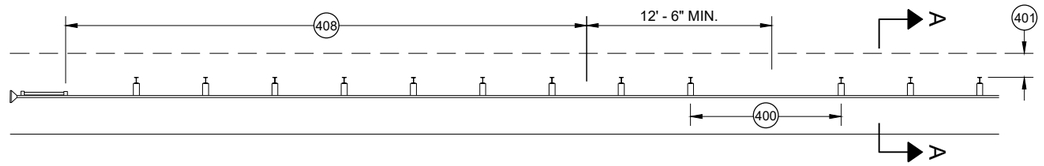
DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

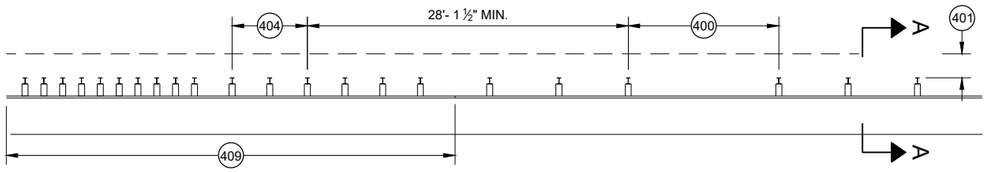
MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL



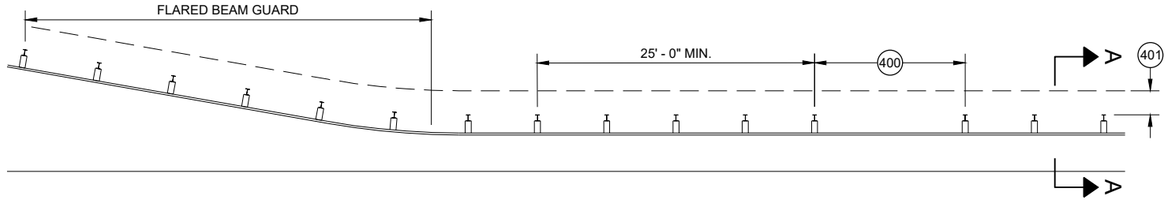
MISSING POST IN MGS GUARDRAIL



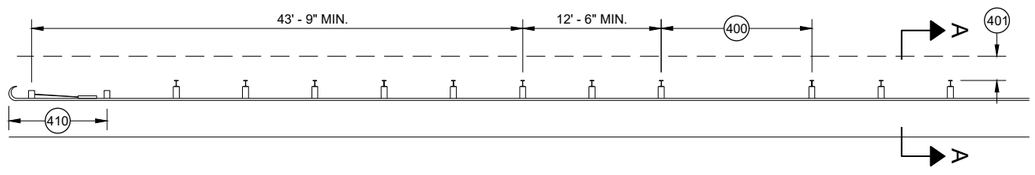
MISSING POST IN MGS GUARDRAIL NEAR EAT



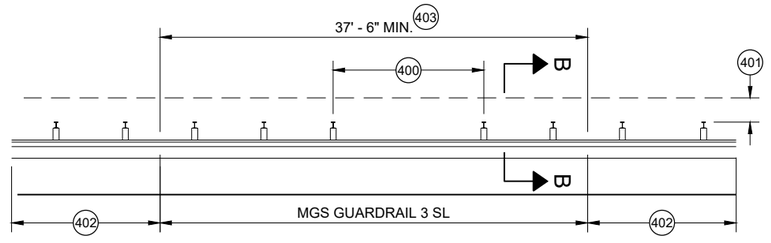
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

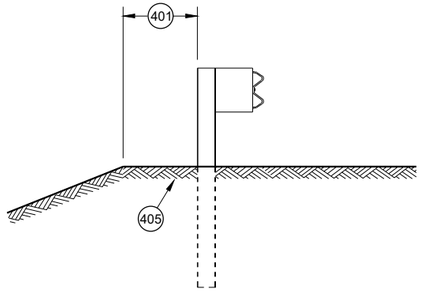


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

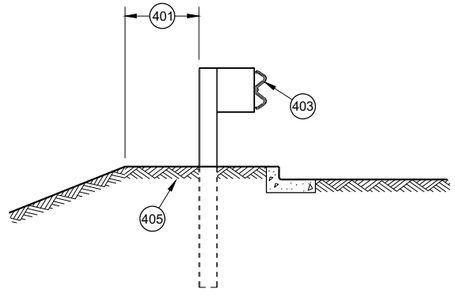


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

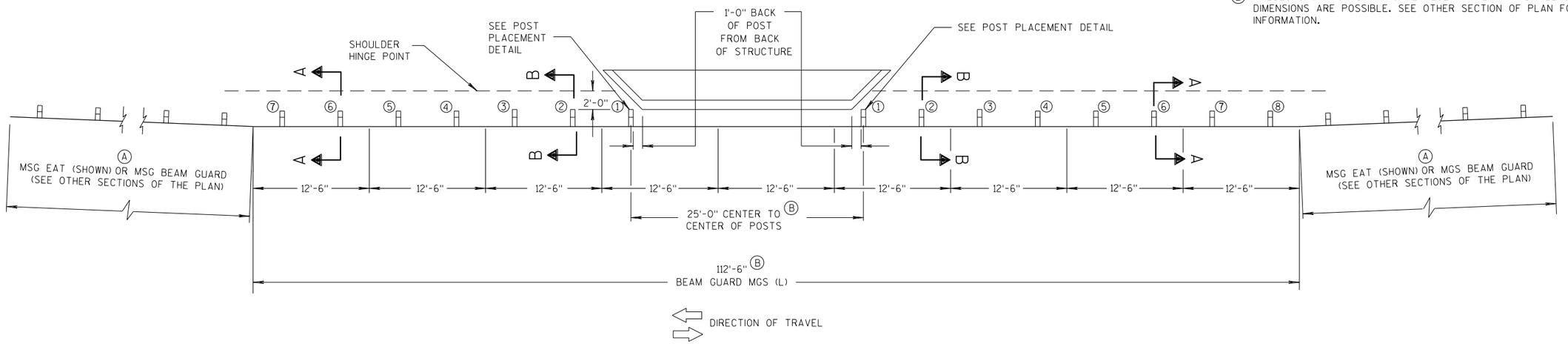
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

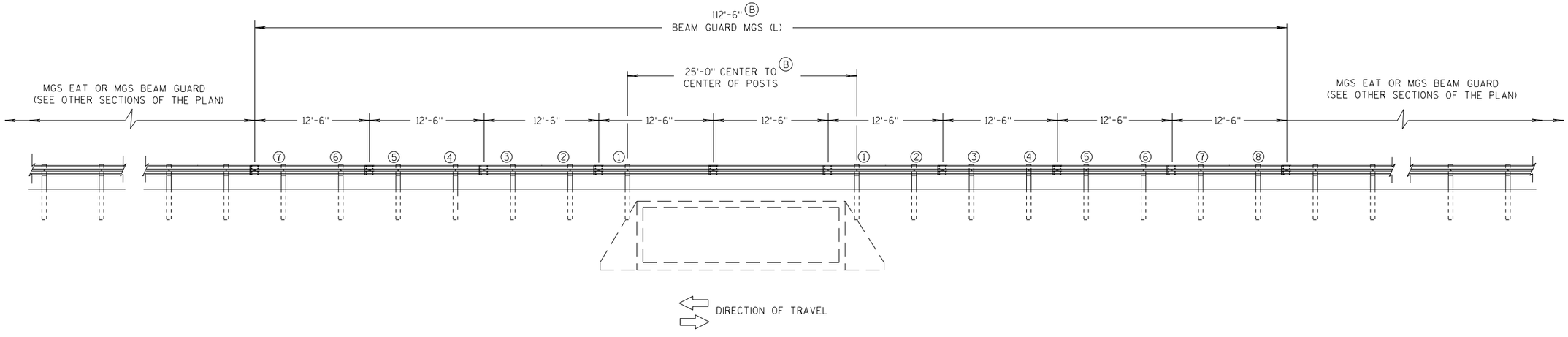
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) TWO-WAY TRAFFIC

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 43-4a

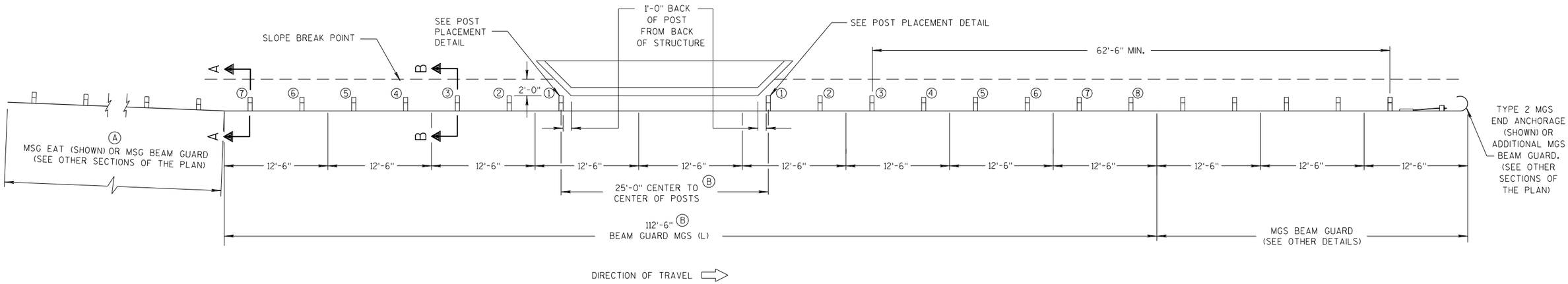
GENERAL NOTES

POSTS 1 THROUGH 3 ARE CRT POSTS.
ALL OTHER POSTS SHALL BE WOOD OR STEEL.

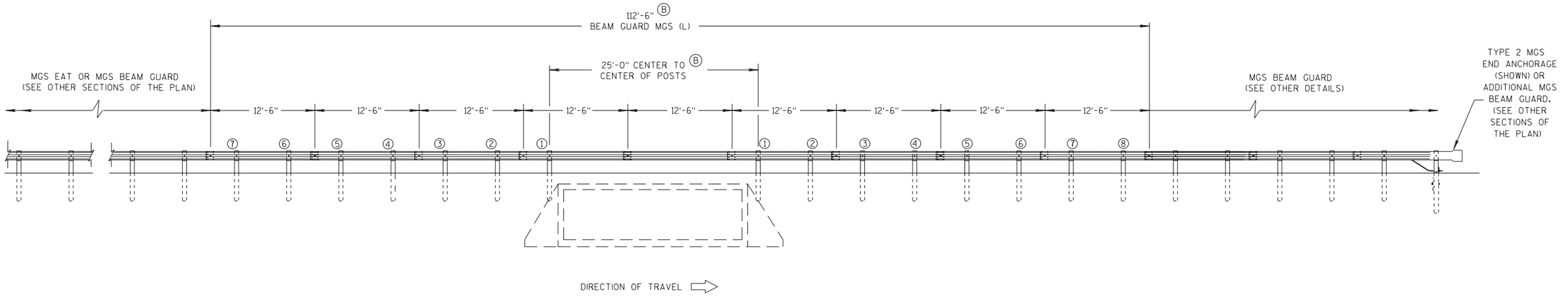
SEE SDD 14 B 42 FOR MORE DETAILS.

(A) FLARE FOR MGS EAT SHOWN. IF INSTALLING MGS NO FLARE NEEDED.

(B) VALUES SHOWN ON DRAWING REPRESENT THE MAXIMUM LENGTH. SHORTER DIMENSIONS ARE POSSIBLE. SEE OTHER SECTION OF PLAN FOR MORE INFORMATION.



PLAN VIEW



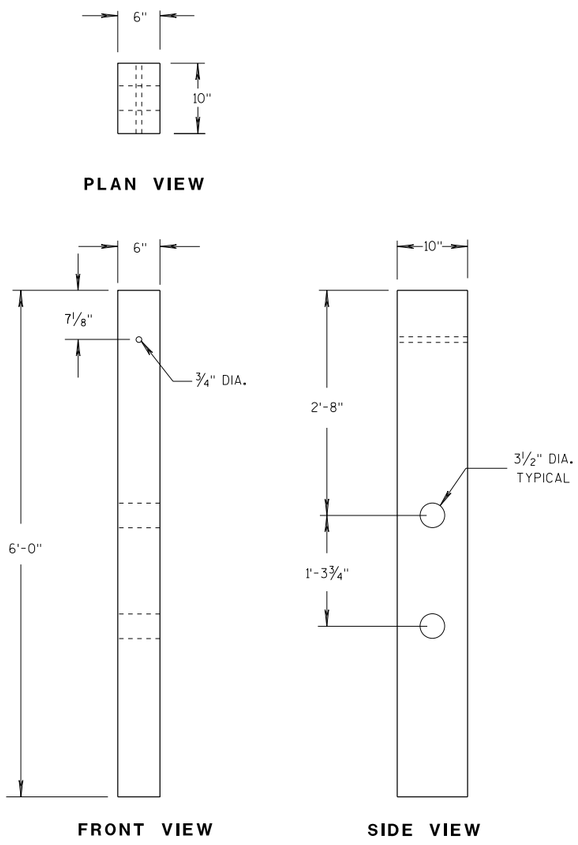
ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L) ONE-WAY TRAFFIC

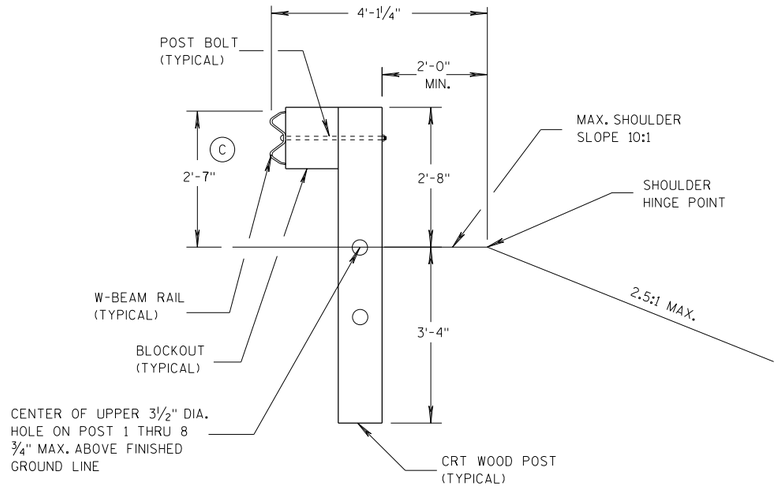
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	214

6

S.D.D. 14 B 43-4b



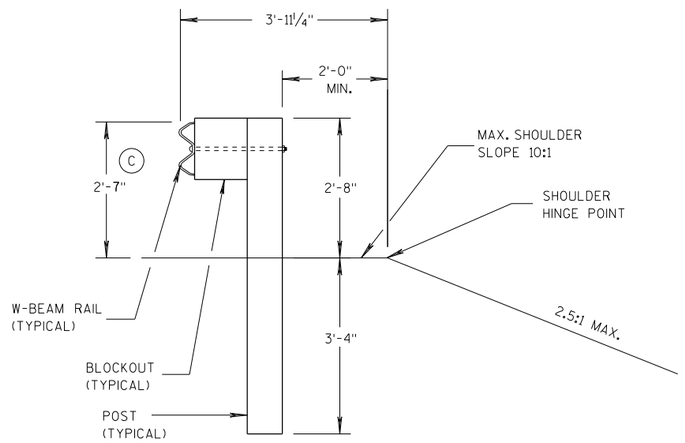
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



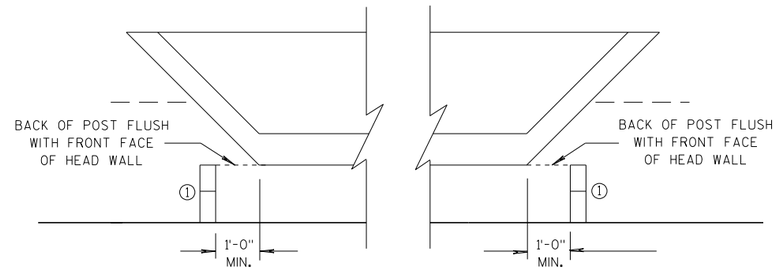
SECTION A-A

POSTS NO. 4-8

SEE OTHER DETAILS

GENERAL NOTES

(C) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".



POST PLACEMENT DETAIL

MIDWEST GUARDRAIL SYSTEM
LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS ENGINEER

D 215 NT

6

S.D.D. 14 B 43-4c

6

S.D.D. 14 B 43-4c

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

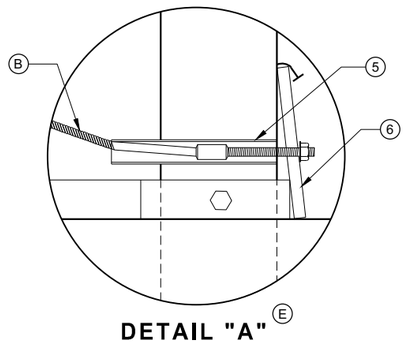
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

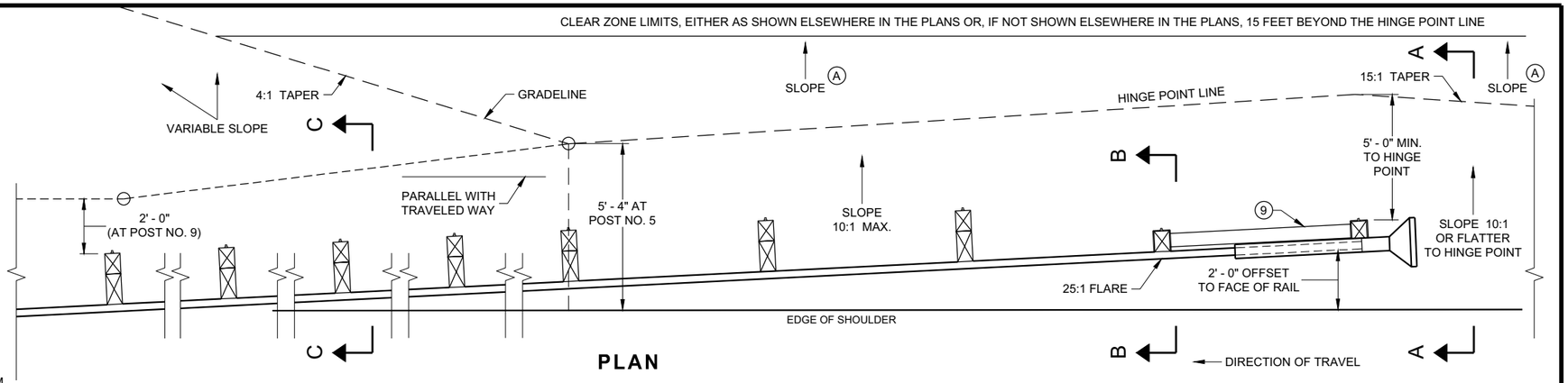
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

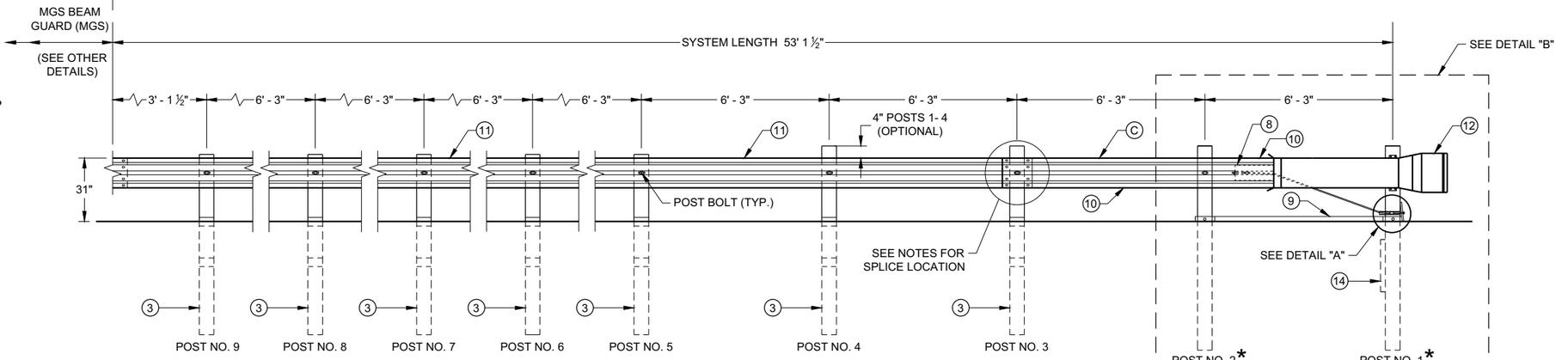
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



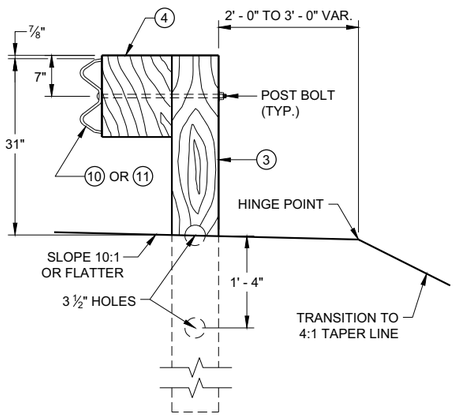
DETAIL "A" (E)



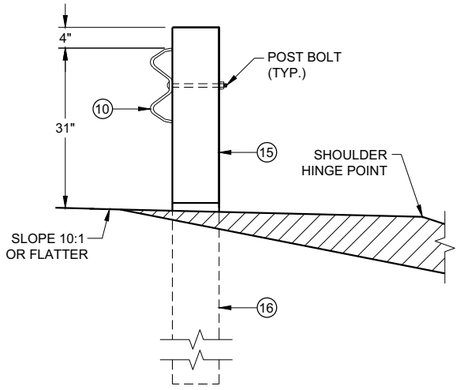
PLAN



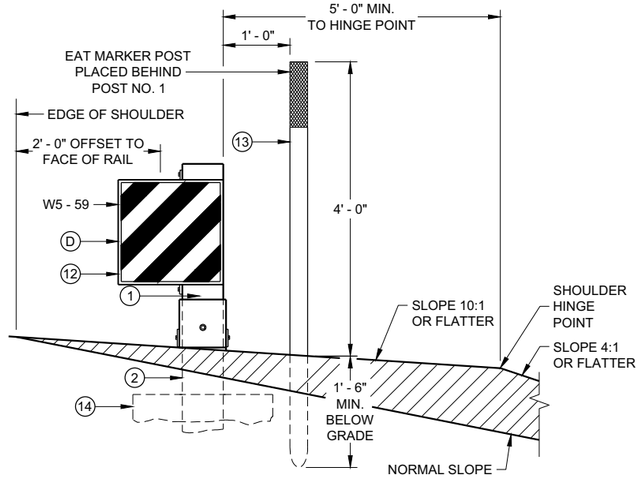
ELEVATION



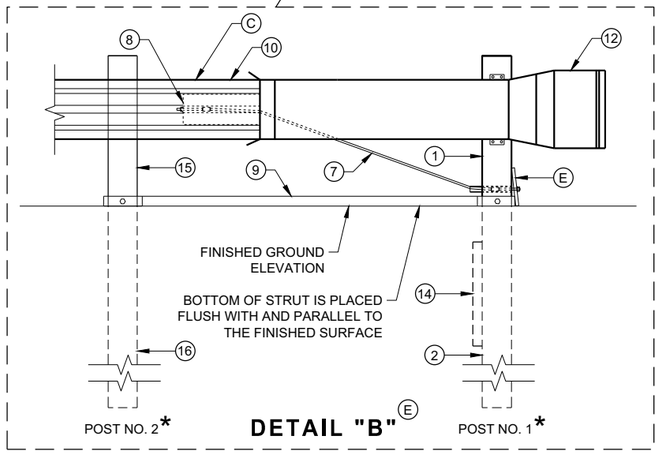
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

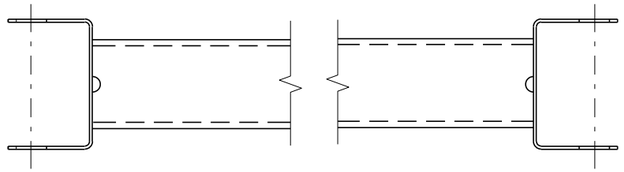
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

SDD 14B44 - 04a

6

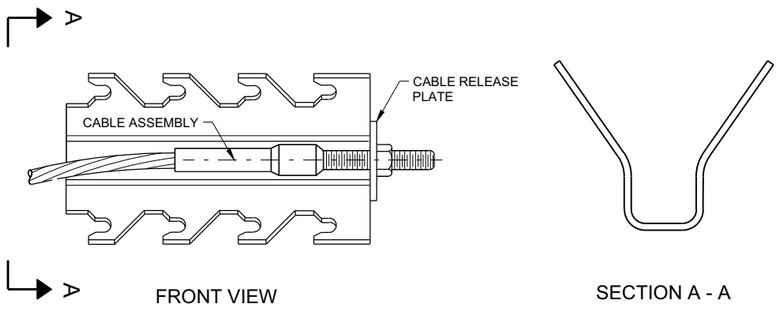
6



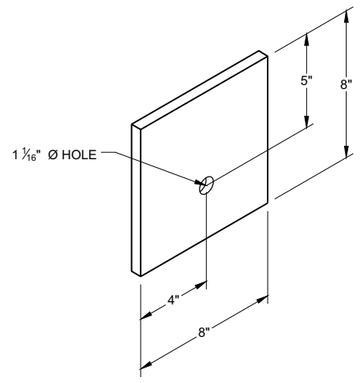
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

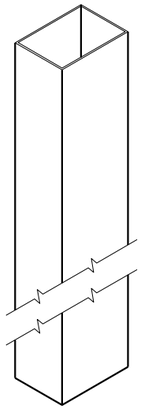
6

SDD 14B44 - 04b

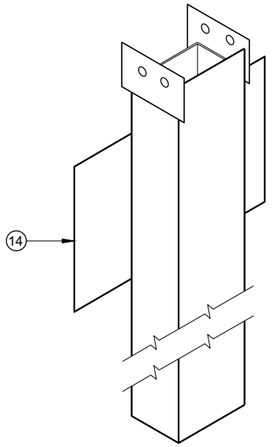
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

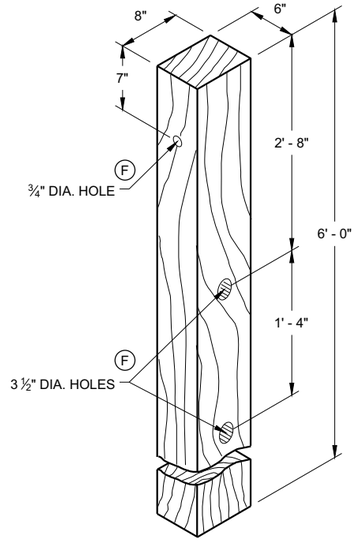
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



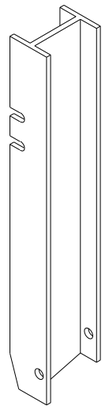
UPPER POST NO. 1 (1) (E)



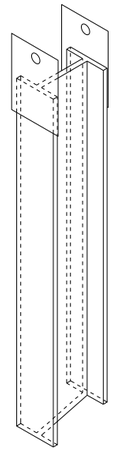
LOWER POST NO. 1 (2) (E)



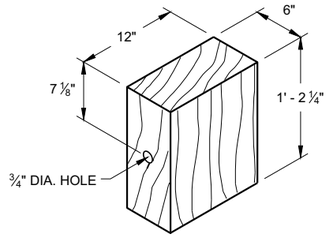
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



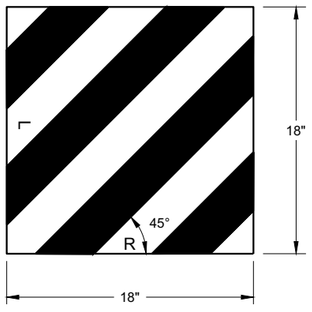
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

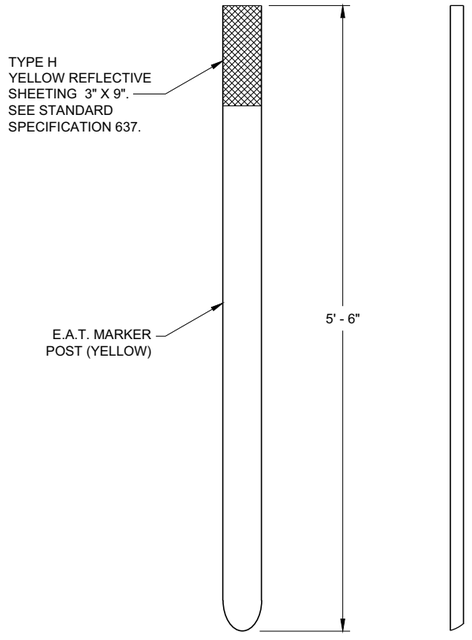


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



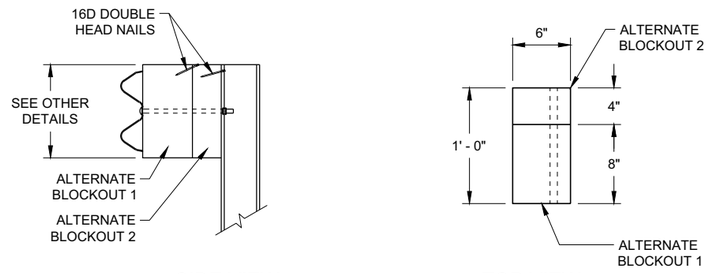
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

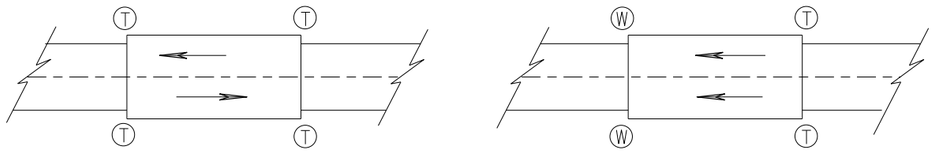
MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
FHWA

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

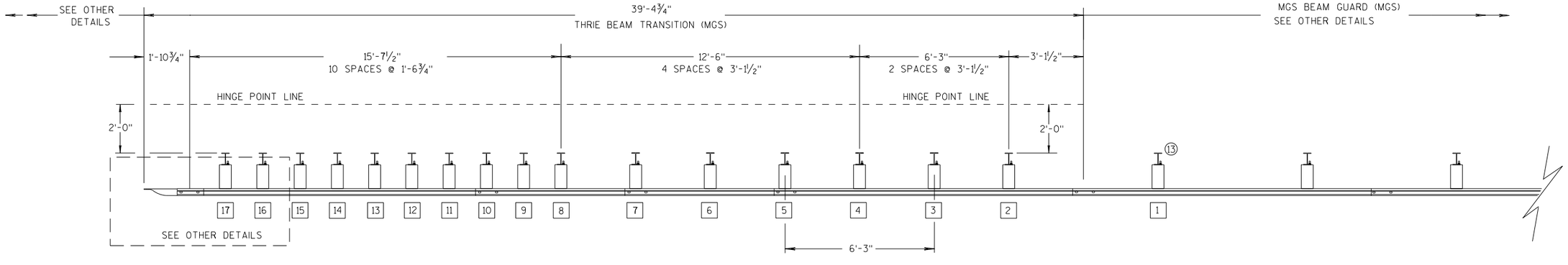
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

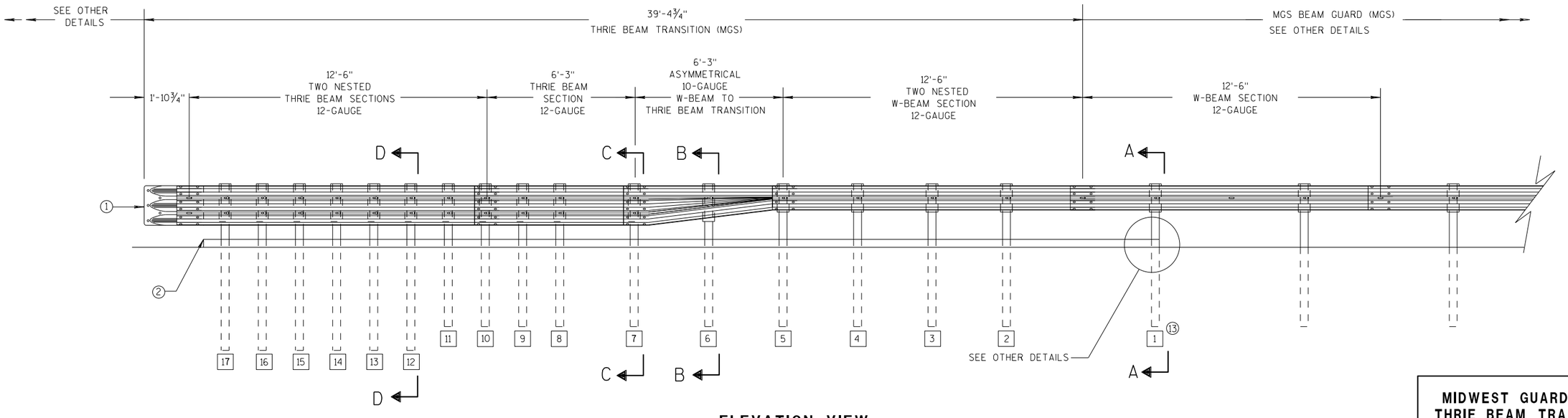
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 45-5a

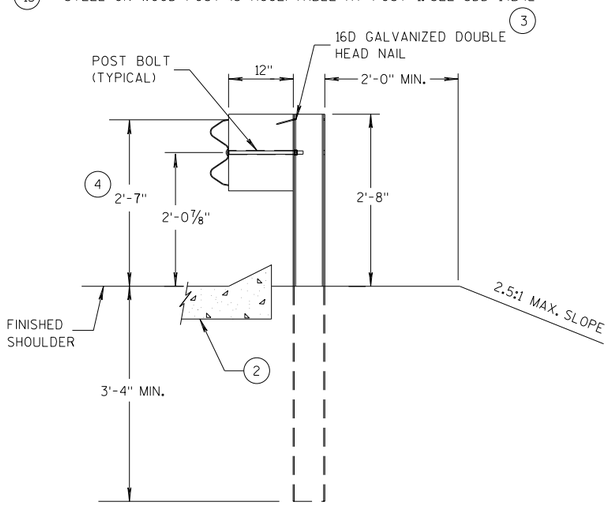
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

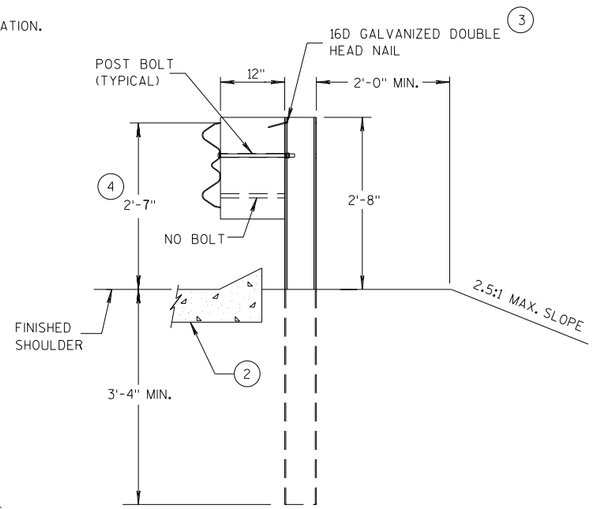
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



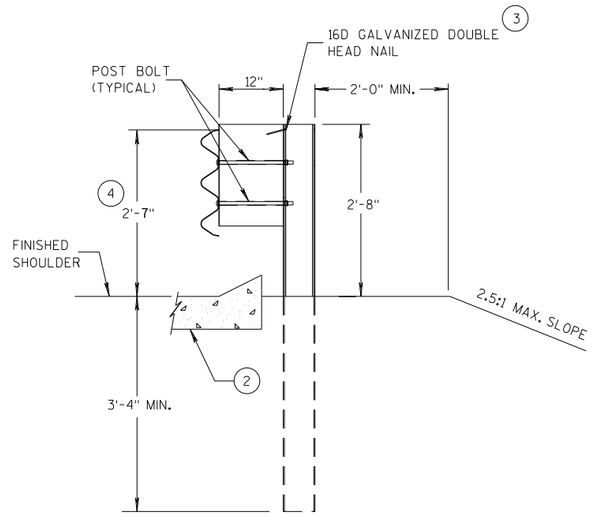
SECTION A-A (13)

POSTS 1-5



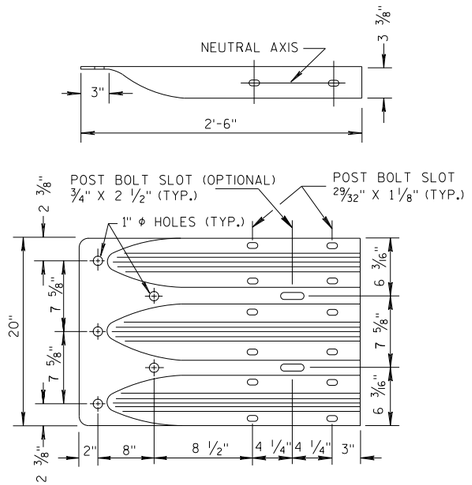
SECTION B-B

POST 6

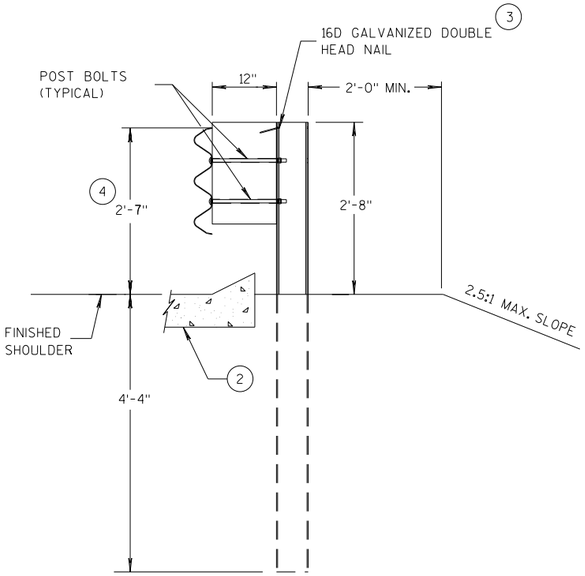


SECTION C-C

POSTS 7-11

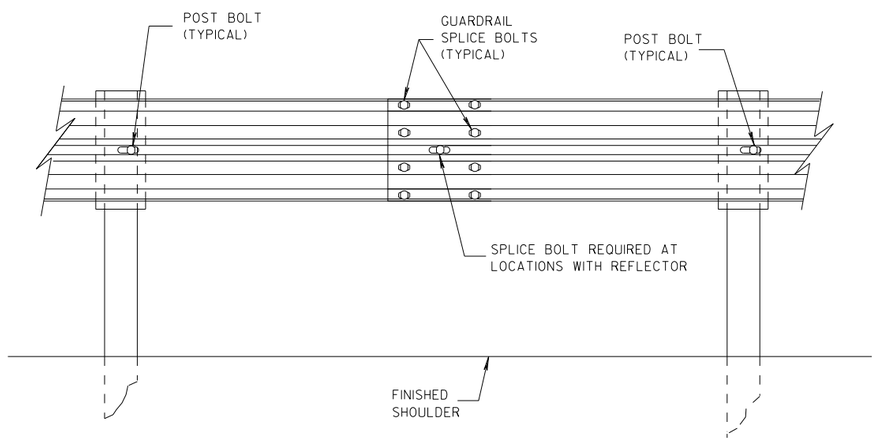


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

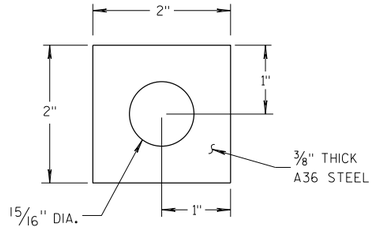
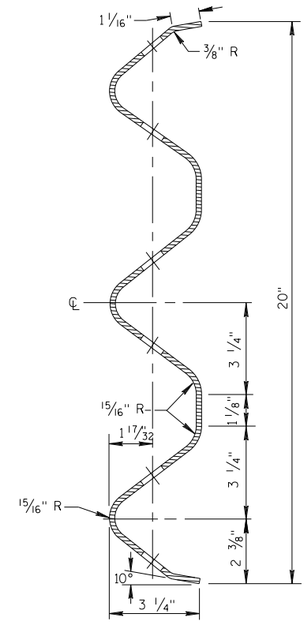


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

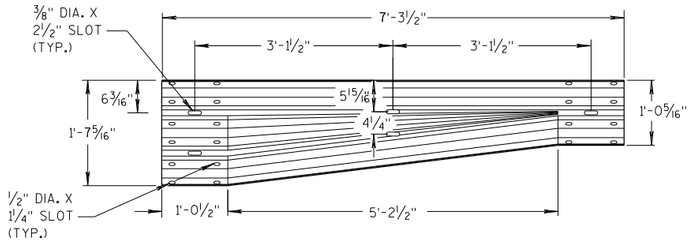
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 220

6

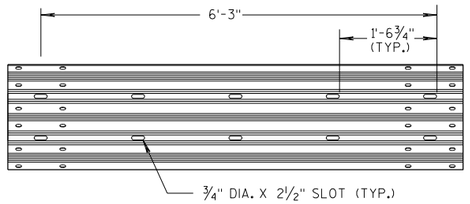
S.D.D. 14 B 45-5b

6

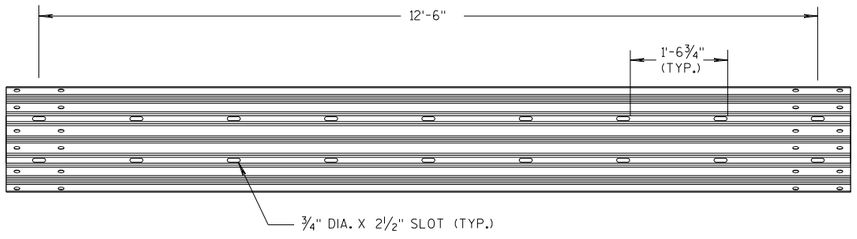
S.D.D. 14 B 45-5b



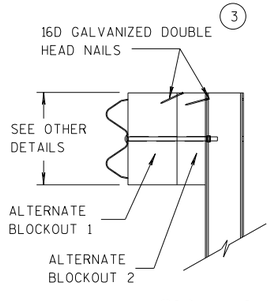
W-BEAM TO THRIE BEAM TRANSITION SECTION



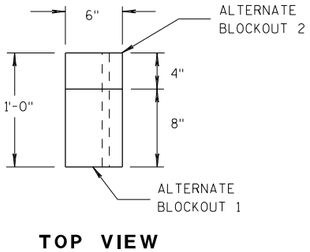
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

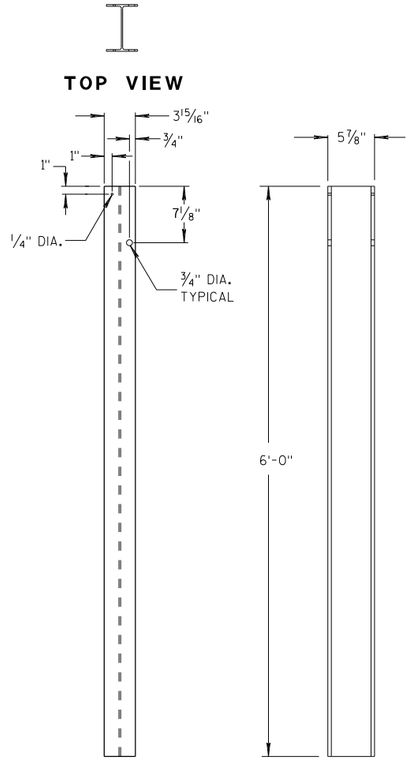


SIDE VIEW



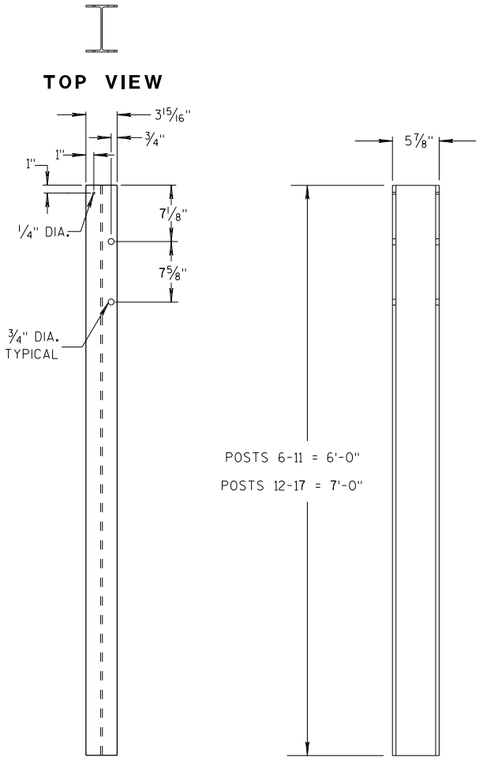
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



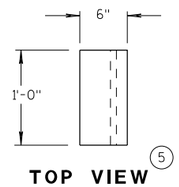
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

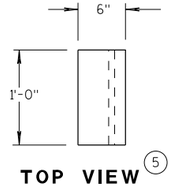


FRONT VIEW SIDE VIEW

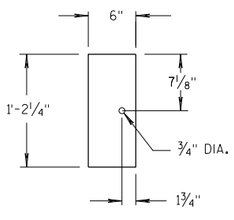
STEEL POSTS 6-17



TOP VIEW (5)

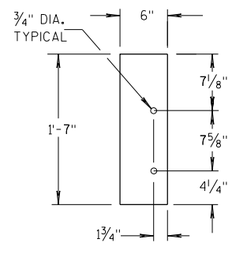


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

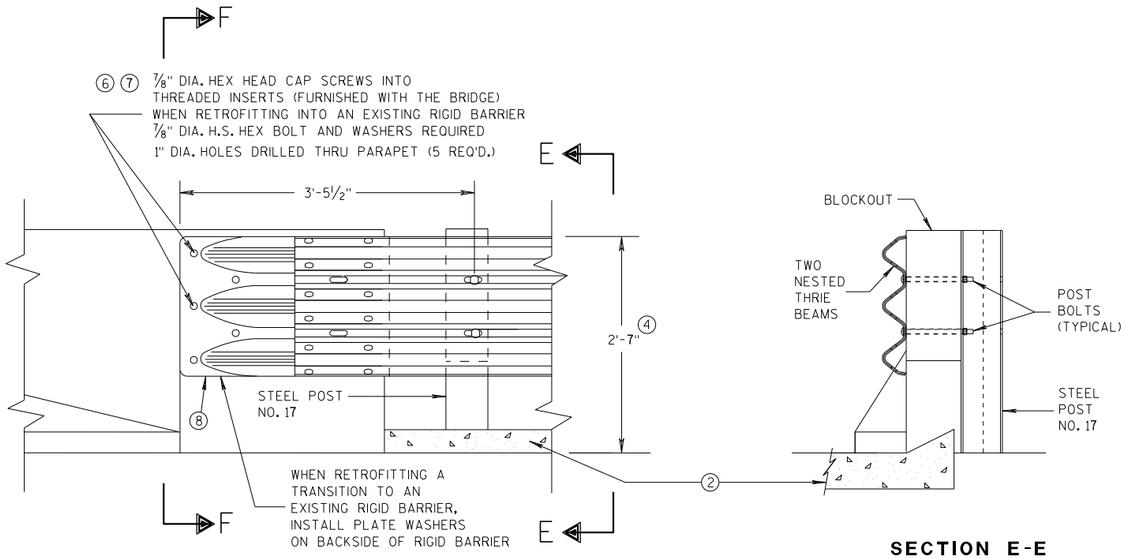
(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 221

6
S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

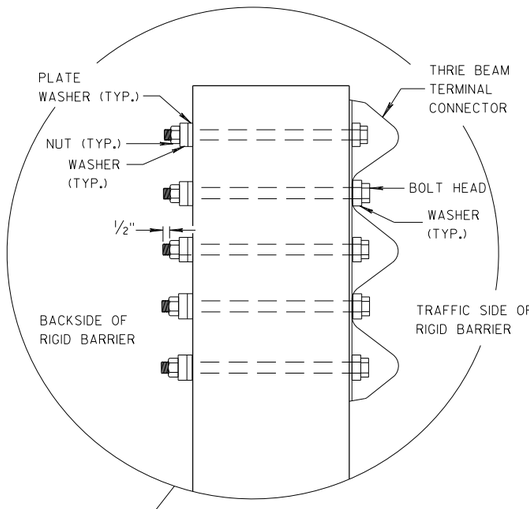
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

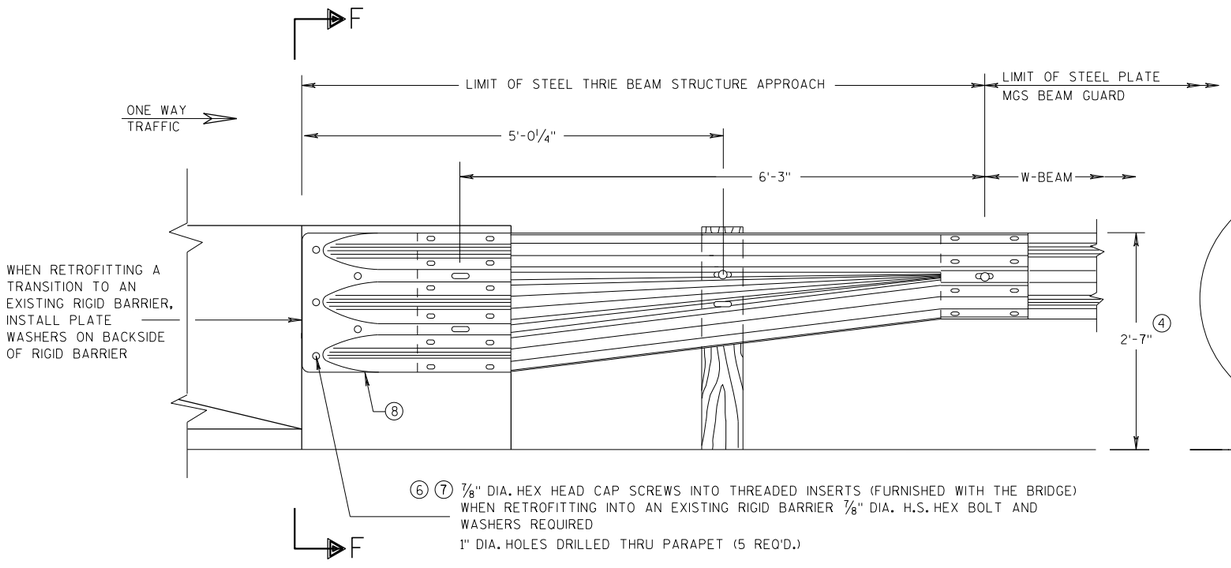
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

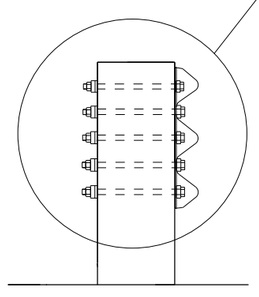
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

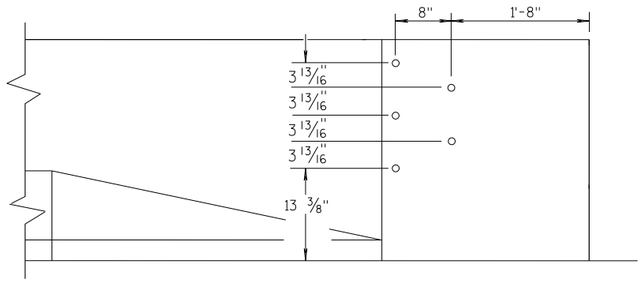




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D[illegible] UNIT SUPERVI[illegible]
FHWA

6

S.D.D. 14 B 45-5d

6

S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

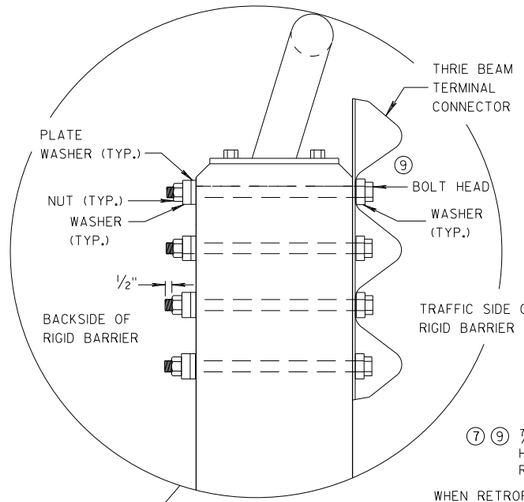
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

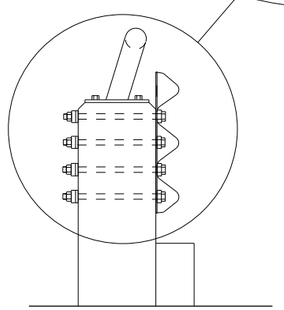
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

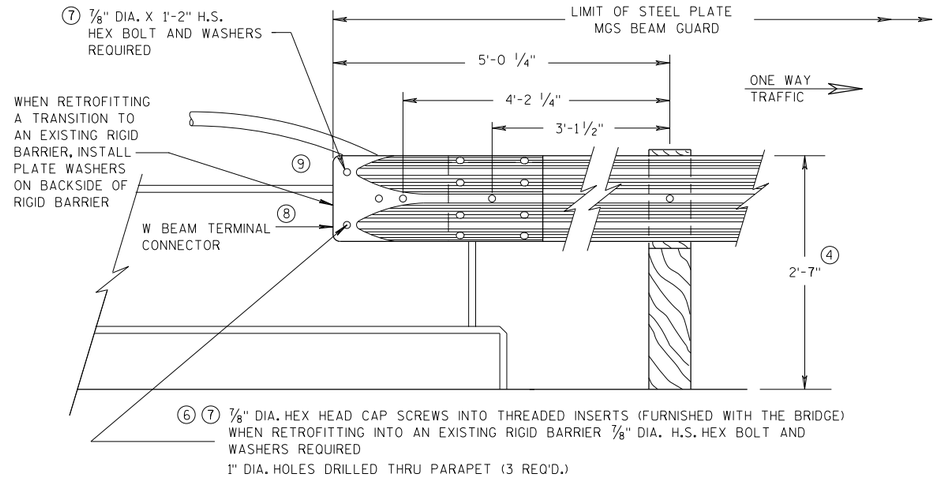
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





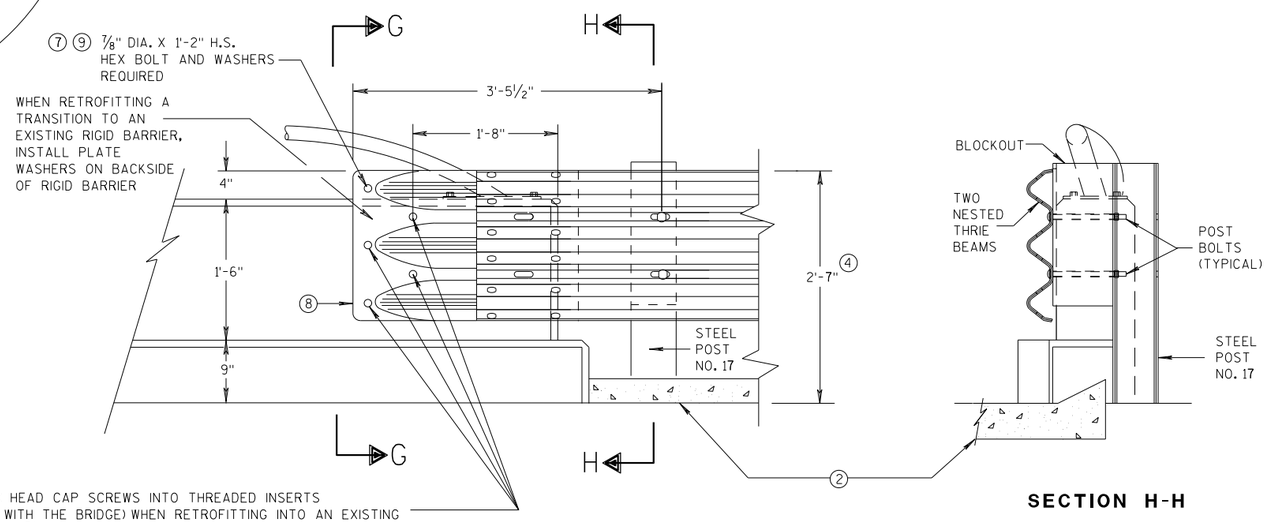
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

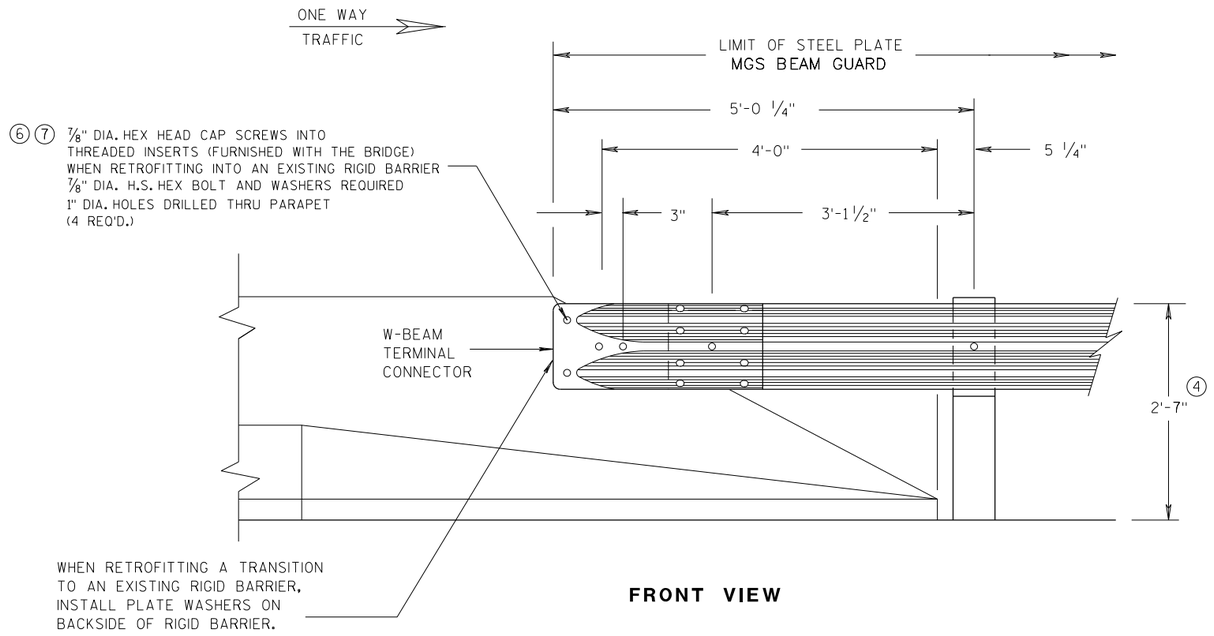
APPROVED
07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D[illegible] UNIT SUPERVIS[illegible]
FHWA

6

S.D.D. 14 B 45-5e

6

S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

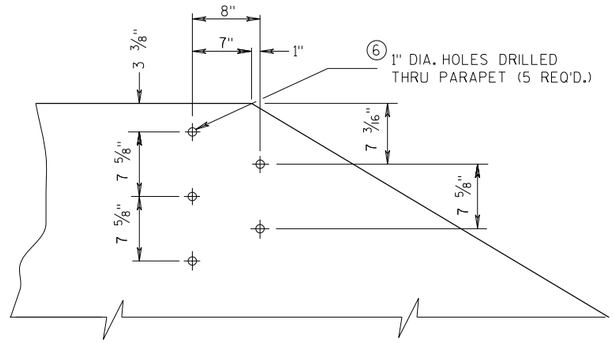
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

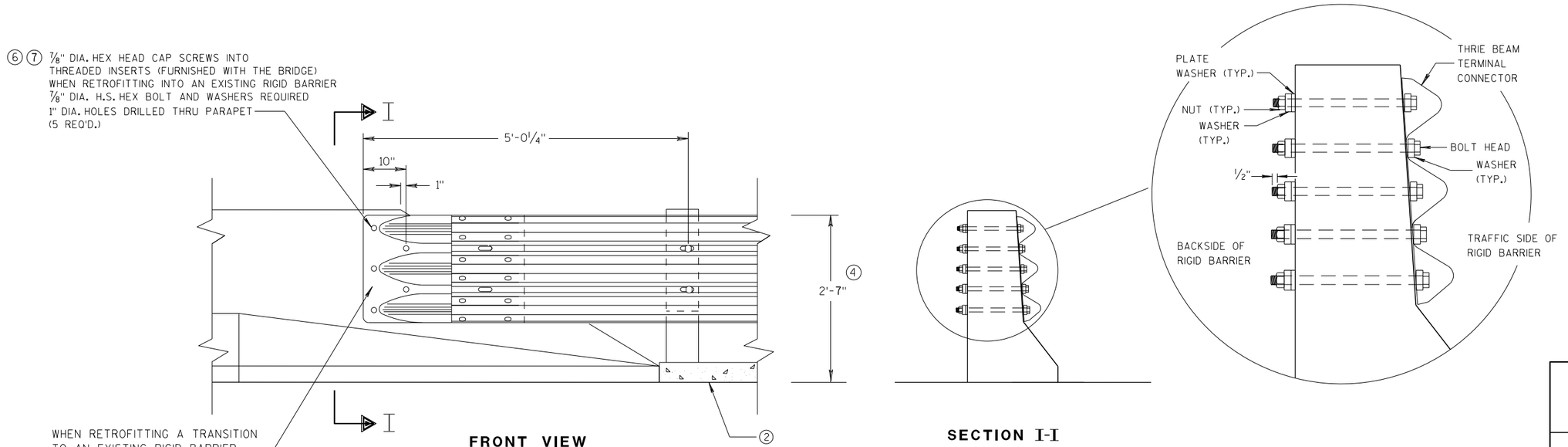
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



DRILL HOLE LOCATION AND PATTERN
FOR THRIE BEAM CONNECTION



FRONT VIEW

SECTION I-I

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

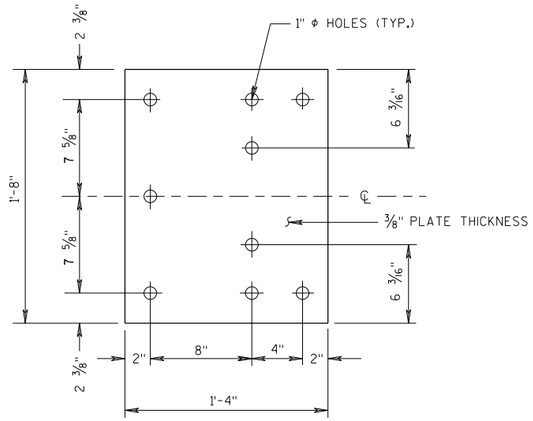
APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS [illegible] UNIT SUPERVI[illegible]ENT
FHWA

6

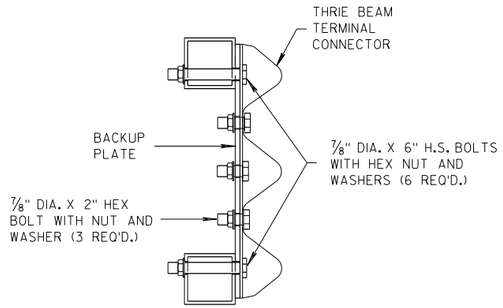
S.D.D. 14 B 45-5f

6

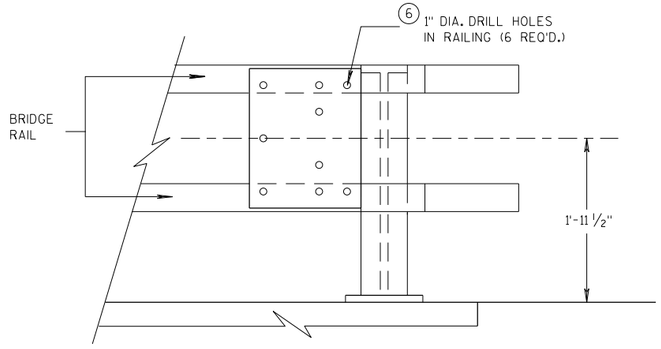
S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

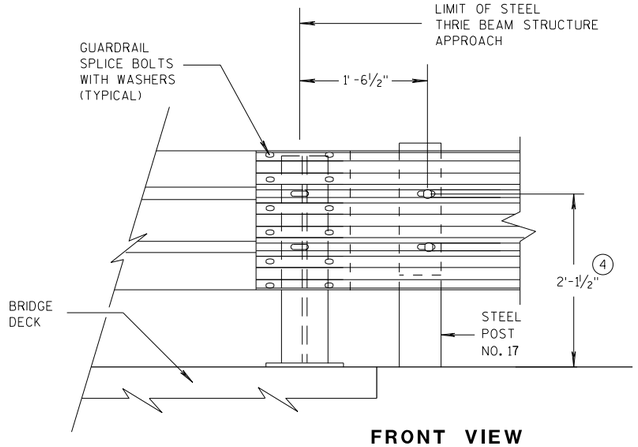


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

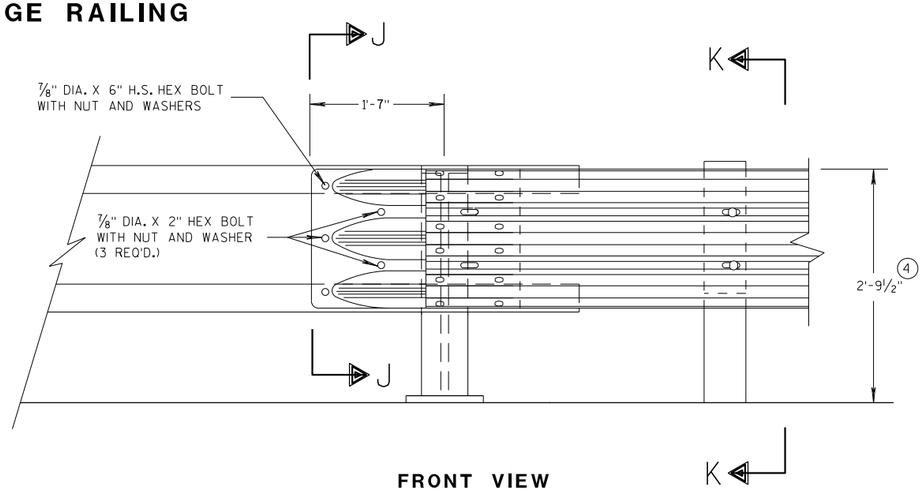
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

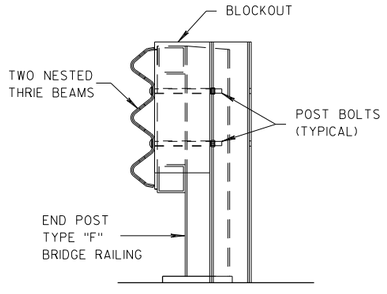


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE
FHWA

/S/ Rodney Taylor 225
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

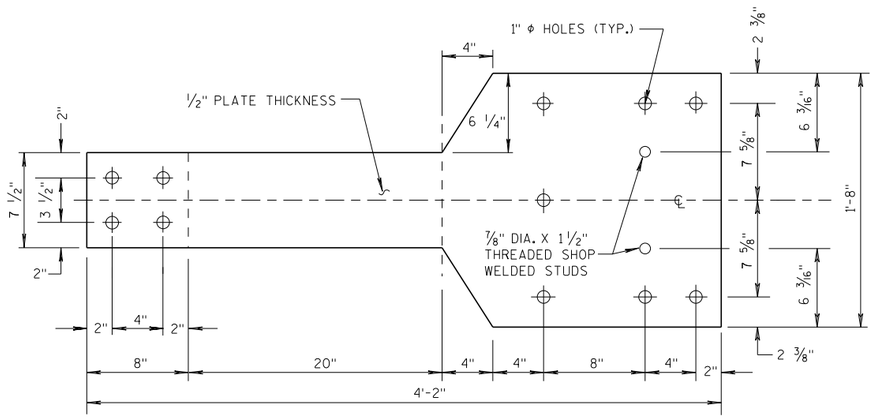
S.D.D. 14 B 45-5g

6

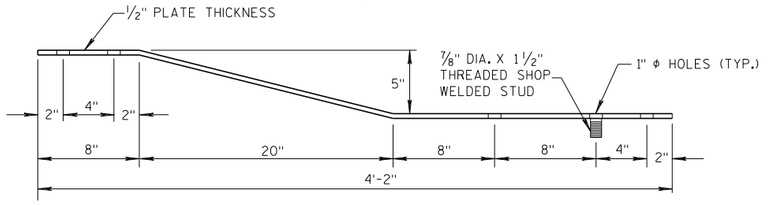
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

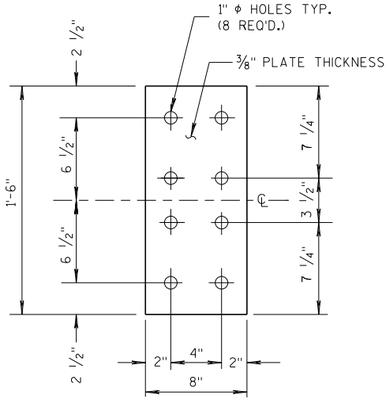


FRONT VIEW



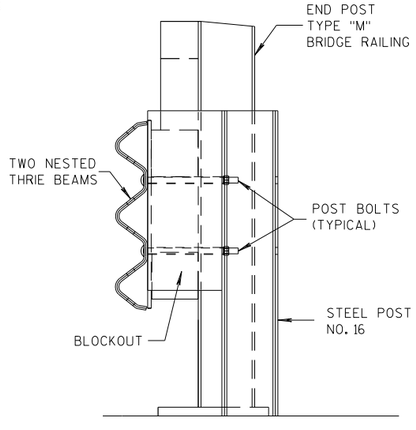
PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

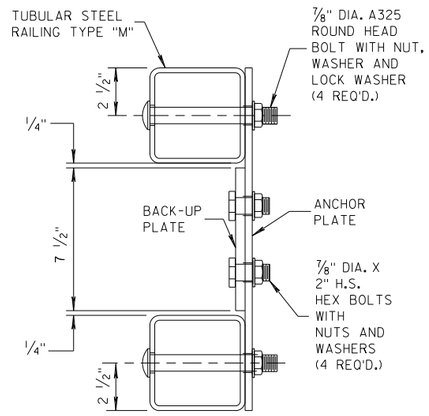


FRONT VIEW

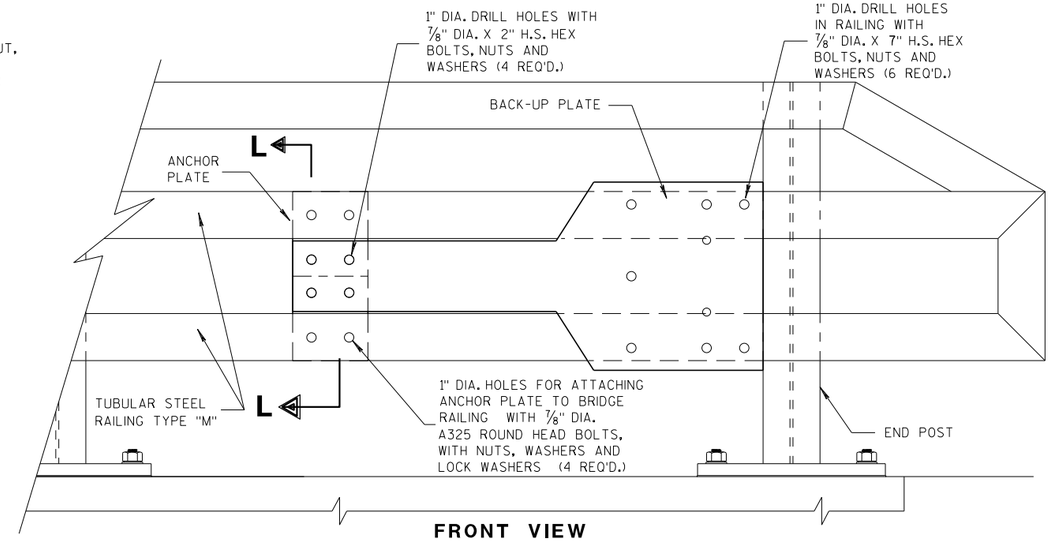
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M

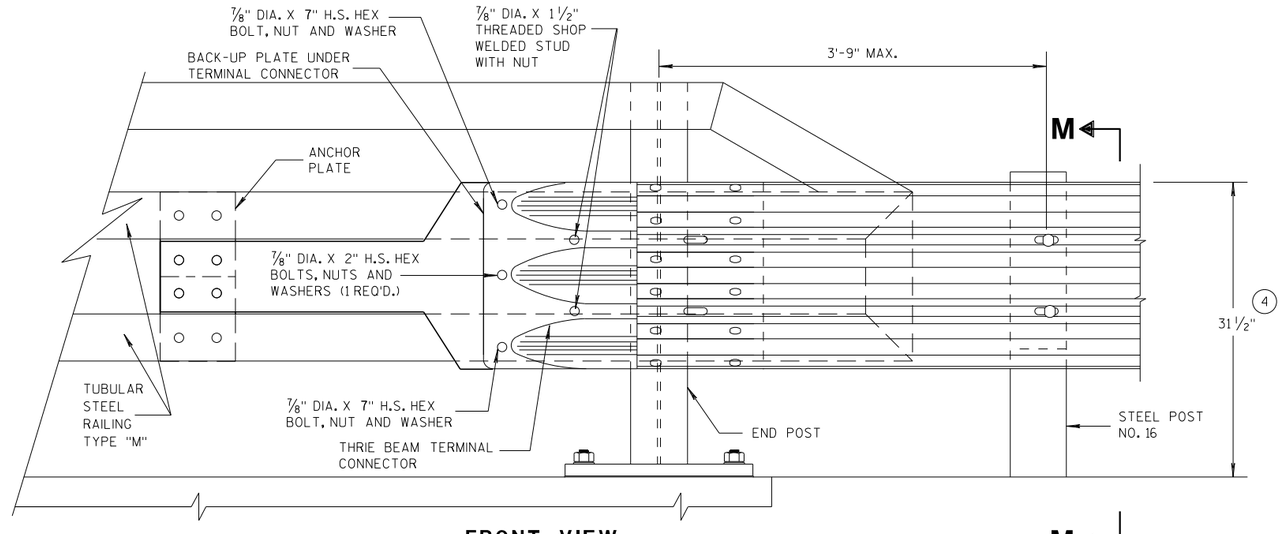


SECTION L-L

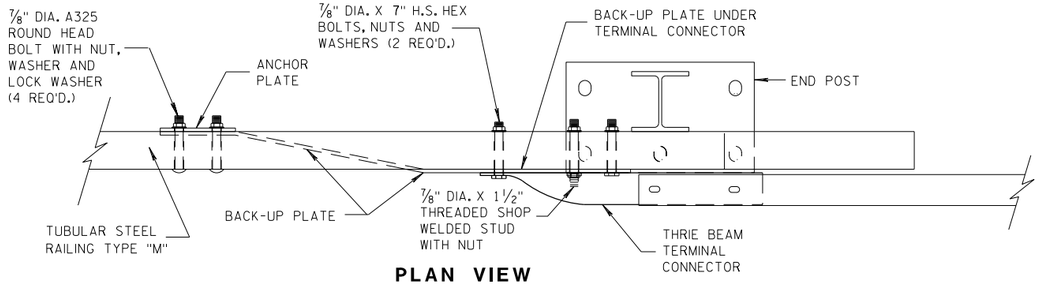


FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR

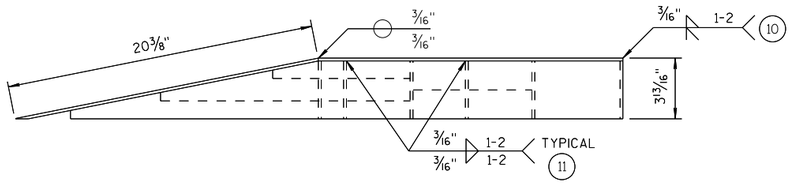
FHWA

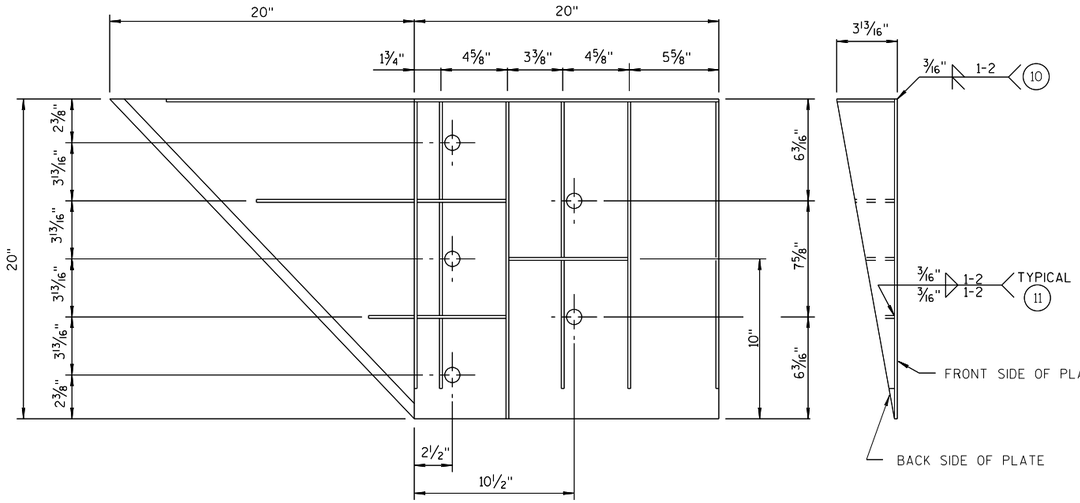
6

S.D.D. 14 B 45-5h

6

S.D.D. 14 B 45-5h





WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

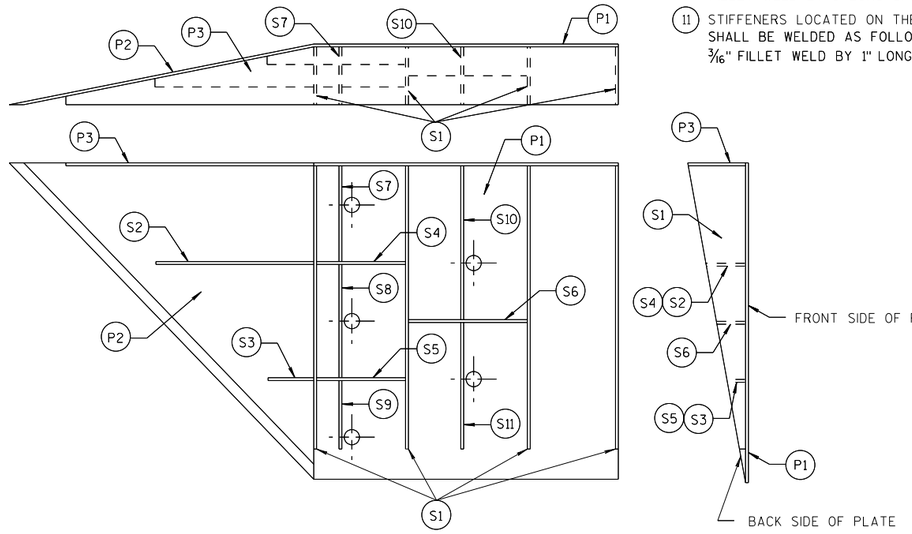


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

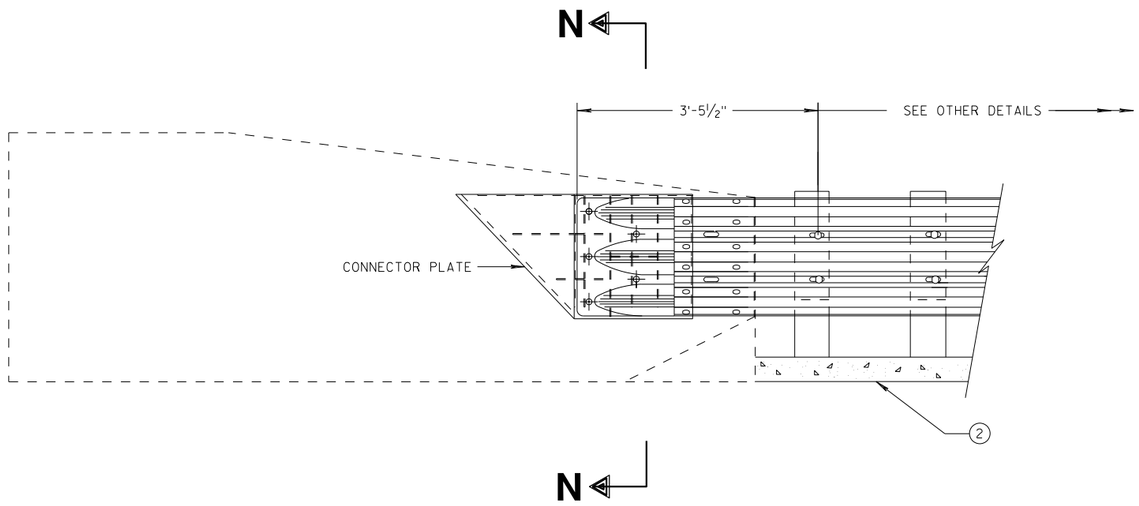
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

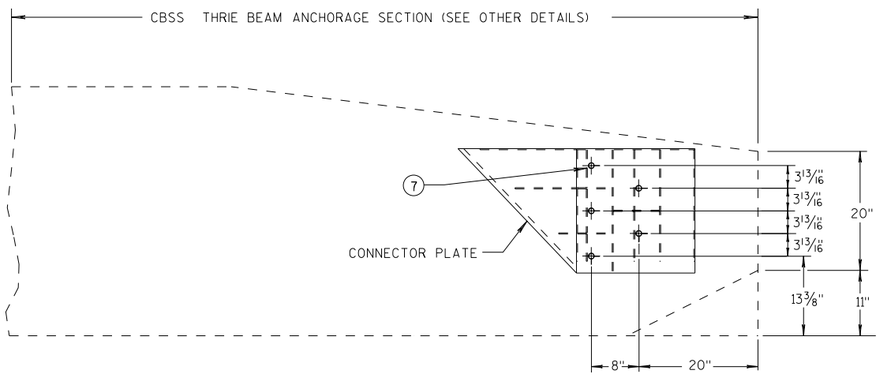
APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS I
UNIT SUPERVI

6
S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



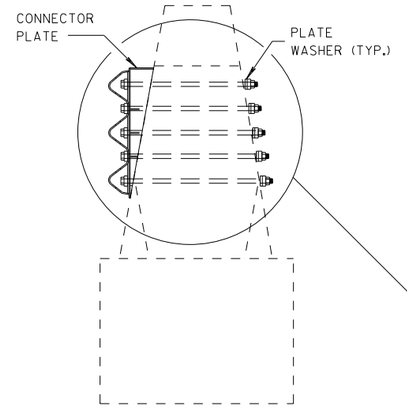
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

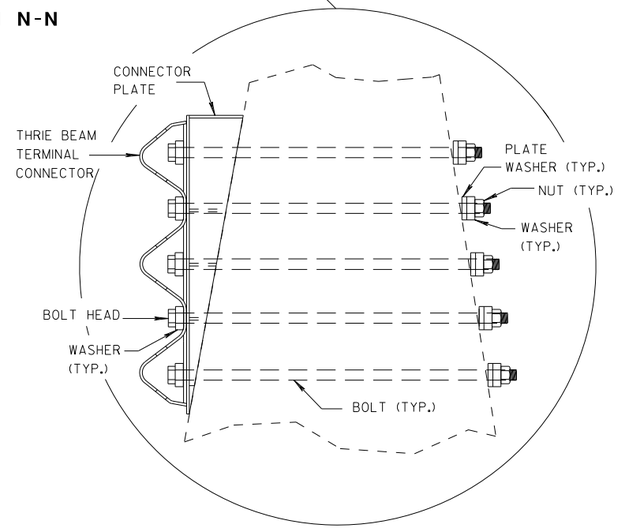
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

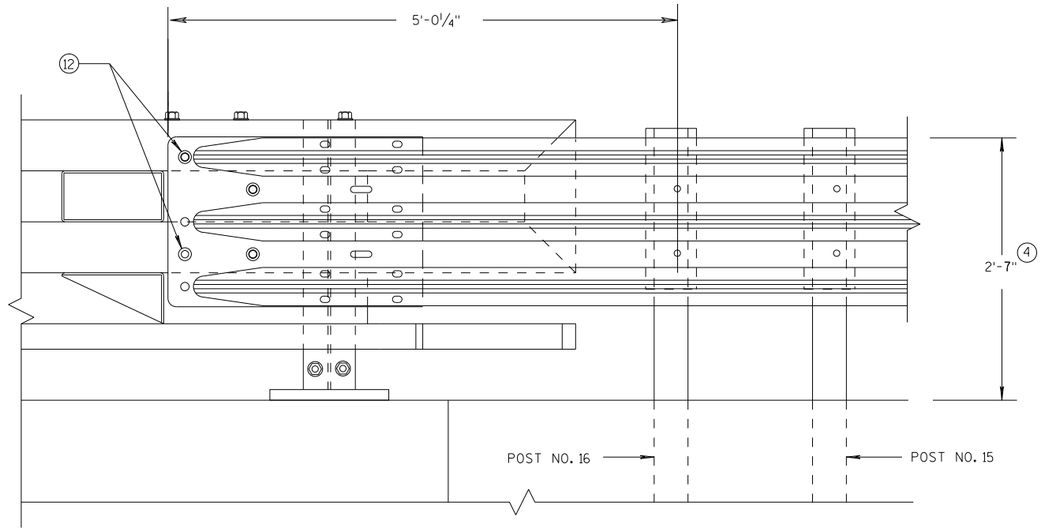
/S/ Rodney Taylor
ROADWAY STANDARDS DI UNIT SUPERVIS

6

S.D.D. 14 B 45-5j

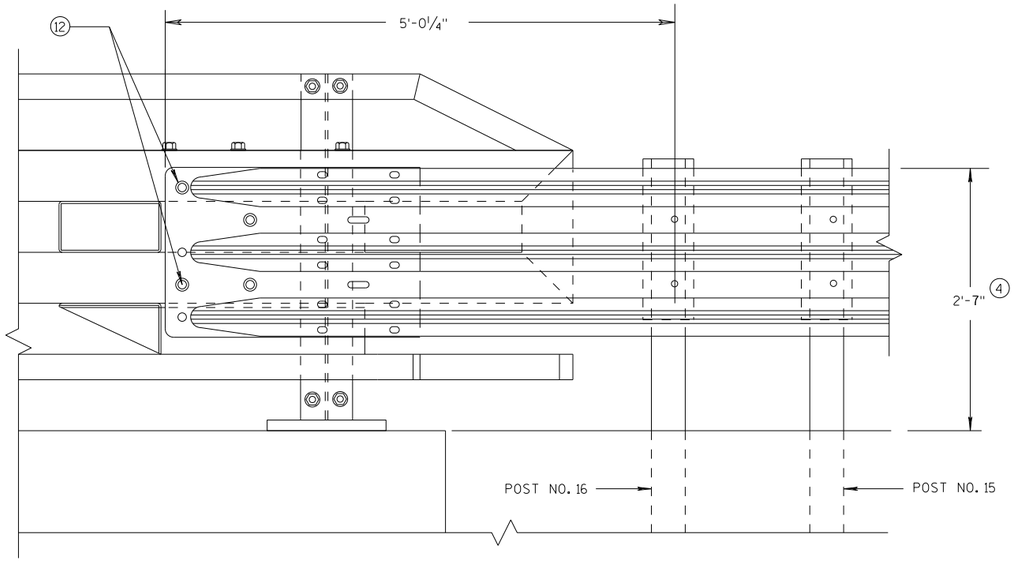
6

S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

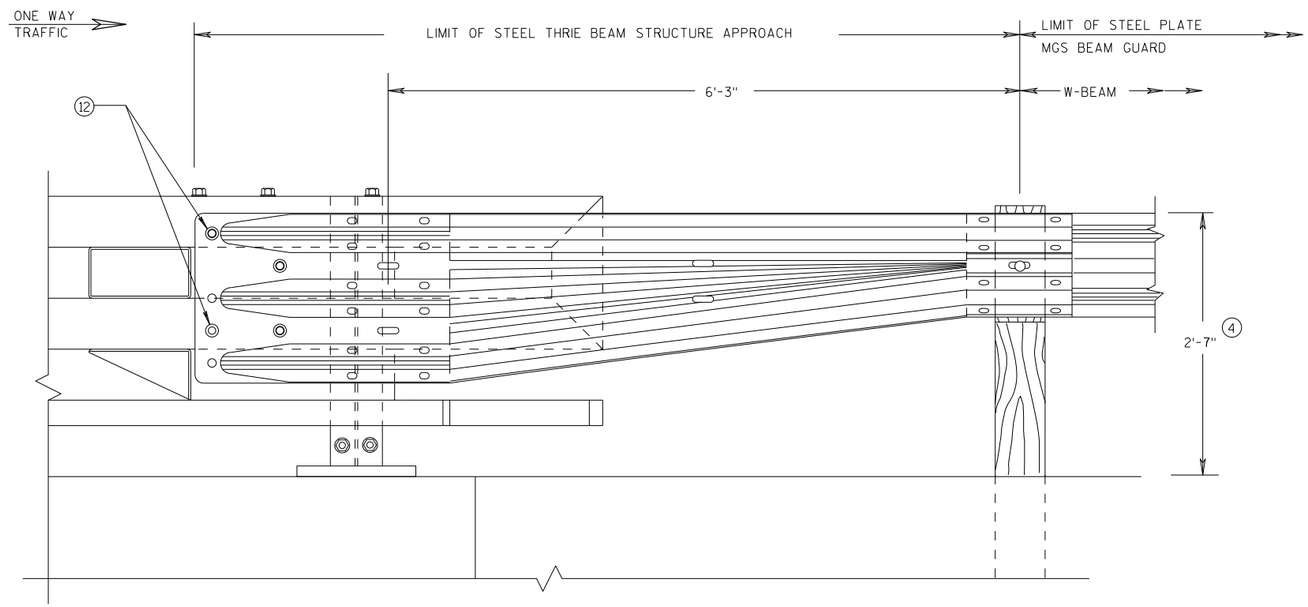
NT

6

S.D.D. 14 B 45-5k

6

S.D.D. 14 B 45-5k



FRONT VIEW

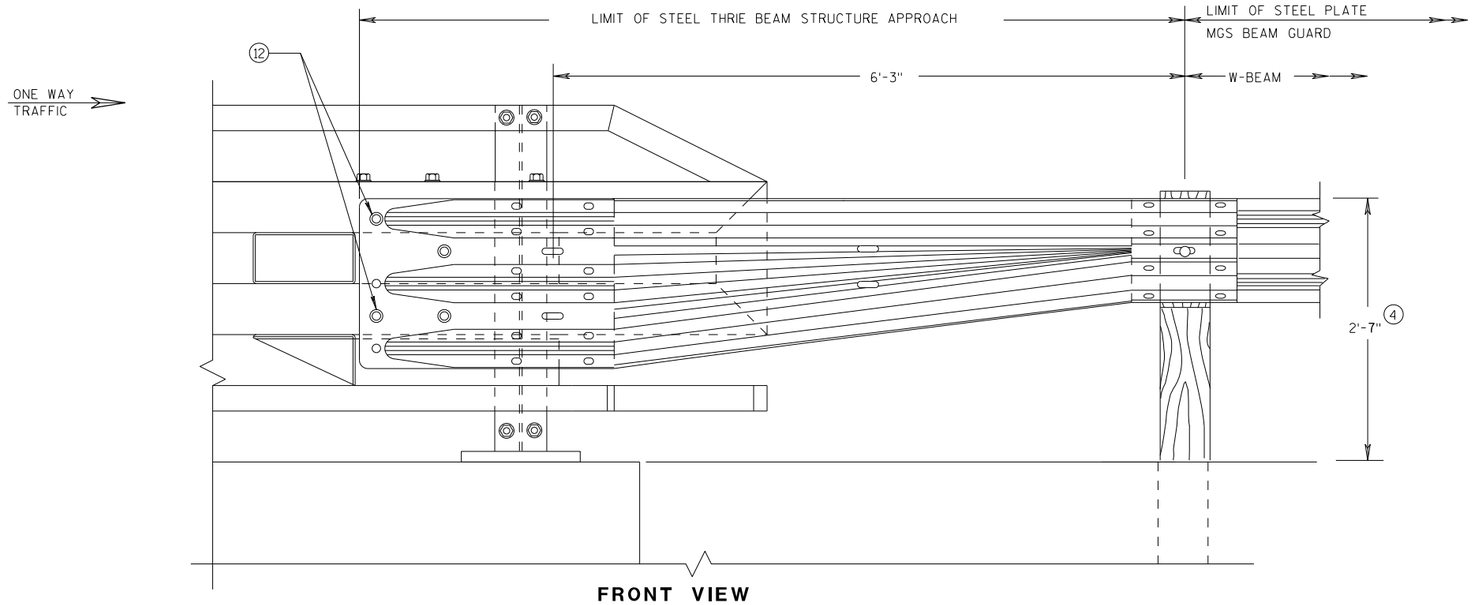
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND $\frac{1}{2}$-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS D
UNIT SUPERVIS

230

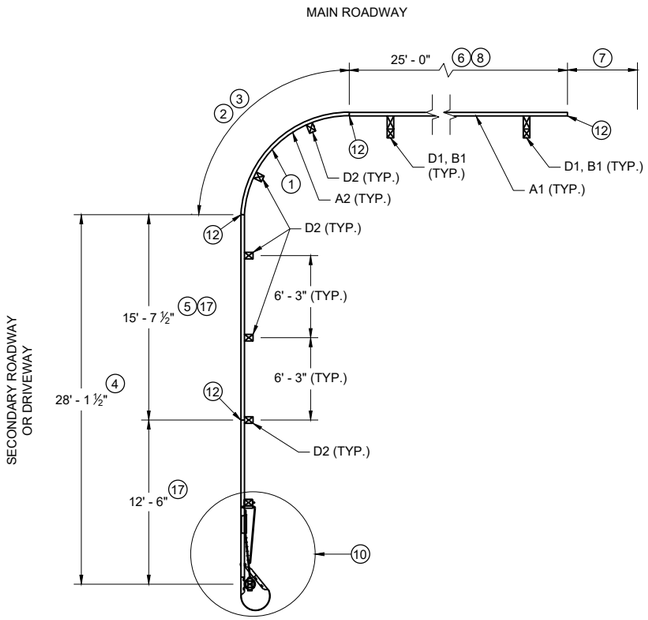
NT

6

S.D.D. 14 B 45-5L

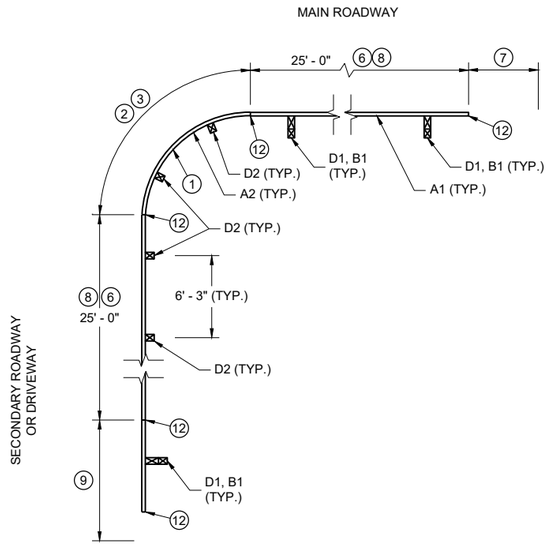
6

S.D.D. 14 B 45-5L



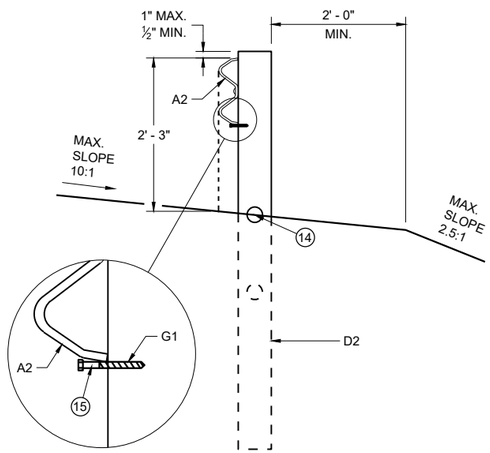
PLAN VIEW

SHORT RADIUS BEAM GUARD WITH SHORT RADIUS TERMINAL ON SECONDARY ROAD OR DRIVEWAY

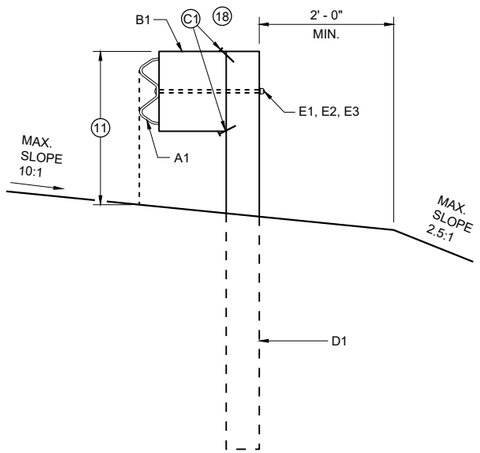


PLAN VIEW

SHORT RADIUS BEAM GUARD WITH EAT, ADDITIONAL BEAM GUARD OR TRANSITION TO RIGID BARRIER ON SECONDARY ROAD OR DRIVEWAY



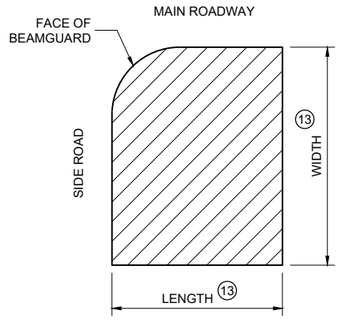
CONTROLLED RELEASE TERMINAL POST (CRT) IN RADIUS



BEAM GUARD POSTS IN HEIGHT TRANSITION

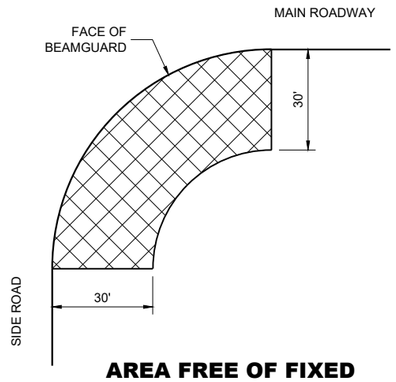
TABLE FOR RADIUS OF 32' AND LESS

RADIUS (FT)	LENGTH (FT)	WIDTH (FT)
8	25	15
16	30	15
24	40	20
32	50	30

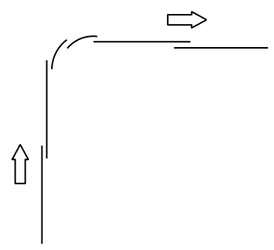


16

AREA FREE OF FIXED OBJECTS FOR RADIUS 32' AND LESS



AREA FREE OF FIXED OBJECTS FOR RADIUS GREATER THAN 32'



LAP SPLICE DETAIL

GENERAL NOTES

SEE PLANS FOR OTHER BARRIER SYSTEM AND LOCATION SPECIFICS.

SEE SDD 14B42 FOR MORE INFORMATION ON BEAM GUARD INSTALLATION, PARTS, MATERIALS, AND INSTALLATION INFORMATION.

GALVANIZE PARTS AFTER FABRICATION.

WELDING TO FOLLOW CURRENT REQUIREMENTS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE ANSI / AWS D1.1.

UNLESS NOTED OTHERWISE, ALL PLATES ARE FLAT AND FREE OF WARP.

UNLESS NOTED OTHERWISE, ALL EDGES ARE SMOOTH, STRAIGHT AND VERTICAL.

ALL CUTS AND HOLES, EXCEPT IN BEAM GUARD RAIL ARE TO BE MACHINED OR MACHINE FLAME CUT.

UNLESS NOTED OTHERWISE, CUT OR PROVIDE BOLTS THAT ARE ¼" TO ½" BEYOND THE NUT.

DRAWINGS ARE NOT TO SCALE.

(1) RADIUS MEASURE FROM INSIDE OF RAIL. LENGTH OF BEAM GUARD SHORT RADIUS GUARD MEASURED ALONG TRAFFIC SIDE OF RAIL. RADIUS BETWEEN 8 FEET TO 150 FEET. SEE PLAN FOR REQUIRED RADIUS. BEAM GUARD RAIL IN RADIUS IS SHOP BENT. ODD RAIL LENGTH OR FIELD CUTS MAY BE REQUIRED.

(2) CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE USED IN THE RADIUS. CONTROLLED RELEASE TERMINAL (CRT) POSTS ARE SPACED 6' - 3". SEE PLAN FOR NUMBER OF CONTROLLED RELEASE (CRT) POSTS.

(3) WITHIN RADIUS BEAM GUARD RAILS ARE NOT BOLTED TO POSTS. BEAM GUARD RAIL IS RESTED ON TOP OF LAG SCREW.

(4) MINIMUM LENGTH OF BEAM GUARD ALONG SIDE ROAD OR DRIVEWAY TO INSTALL SHORT RADIUS TERMINAL. BEAM GUARD IS PAID WITH BEAM GUARD ITEM.

(5) ODD LENGTH OF BEAM GUARD REQUIRED TO INSTALL SHORT RADIUS TERMINAL.

(6) MINIMUM AMOUNT OF BEAM GUARD TO BE INSTALLED PRIOR TO TRANSITION TO RIGID BARRIER. ADDITIONAL BEAM GUARD, OR EAT. BEAM GUARD PAID FOR WITH BEAM GUARD ITEM. SEE PLANS FOR MORE DETAIL.

(7) BEAM GUARD, EAT, OR TRANSITION TO RIGID BARRIER. SEE PLAN.

(8) TOP OF BEAM GUARD BY THE RADIUS IS 27". HEIGHT OF BEAM GUARD IS 31" BY TRANSITION TO RIGID BARRIER, ADDITIONAL BEAM GUARD OR EAT.

(9) ADDITIONAL BEAM GUARD, EAT OR TRANSITION TO RIGID BARRIER. BEAM GUARD SHOWN. SEE PLAN FOR DETAILS.

(10) SHORT RADIUS TERMINAL (SEE OTHER DETAILS).

(11) HEIGHT VARIES. SEE NOTE (8) AND (17).

(12) BEAM GUARD RAIL SPLICE LOCATION. SPLICE LOCATION REQUIRES PART F1 AND F2. SEE SDD 14B42 FOR DETAILS.

(13) SEE TABLE FOR VALUES.

(14) MAXIMUM HEIGHT FOR CENTER OF HOLE IS ¾ " ABOVE FINISHED GROUND ±1".

(15) DRILL POST $^{15}/_{64}$ " DIA. PILOT HOLE. DO NOT HAMMER LAG SCREW INTO POST.

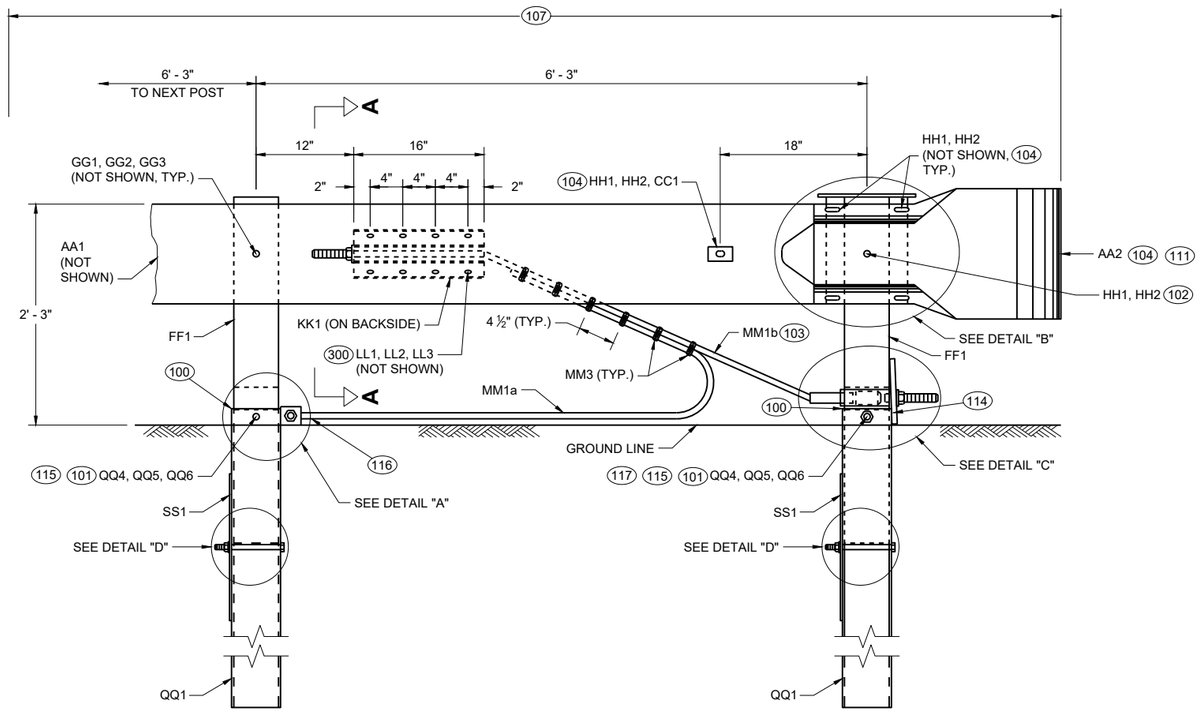
(16) SMALL SIGNS ON BREAKAWAY HARDWARE ARE ACCEPTABLE.

(17) TOP OF RAIL HEIGHT IS 27" WHEN USING A SHORT RADIUS TERMINAL (CRT).

(18) INITIAL 1 NAIL AT EACH CORNER OF THE BLOCK TO CONNECT BLOCKS.

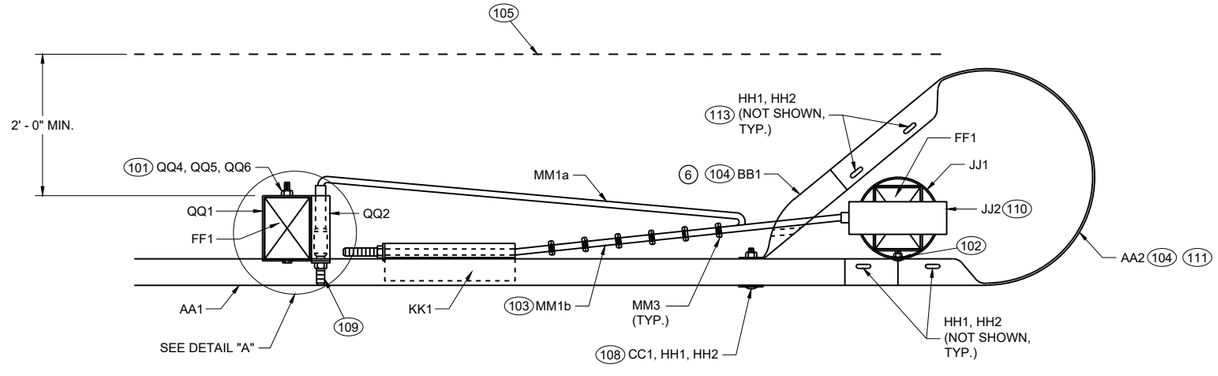
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PROFILE VIEW

SHORT RADIUS TERMINAL



TOP VIEW

SHORT RADIUS TERMINAL

GENERAL NOTES

(100) TOP OF FOUNDATION TUBE 2 INCHES MAXIMUM ABOVE FINISHED GROUND.

(101) WASHERS REQUIRED BETWEEN BOLT HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.

(102) SPLICE BOLT AND NUT CONNECTS BEAM GUARD RAIL, W-BEAM SECTION BUFFER, AND STEEL PIPE ASSEMBLY. NO WASHER REQUIRED. SEE DETAIL "B".

(103) CABLE IS TAUT.

(104) ADJUST AA2 AND BB1 TO FIT.

(105) BREAK POINT OF SHOULDER.

(106) TACK WELD CABLE CONNECTOR TUBE PLATE TO CABLE CONNECTION TUBE. SEE DETAIL "A" PROFILE VIEW.

(107) PAY LIMIT FOR BEAM GUARD.

(108) SQUARE WASHER BETWEEN HEAD OF BOLT AND TRAFFIC FACE OF BEAM GUARD. ROUND WASHER REQUIRED BETWEEN NUT AND BB1.

(109) CUT OR PROVIDE THREADED STUD THAT IS FLUSH WITH FACE OF BEAM GUARD RAIL KK1 (PLUS OR MINUS 1/2" TOLERANCE). DEBURR AFTER CUTTING.

(110) SEE STEEL PIPE ASSEMBLY DETAILS.

(111) ATTACH UU2 WITH UU3. SHOP APPLY UU1 TO UU2.

(112) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA1 TO AA2.

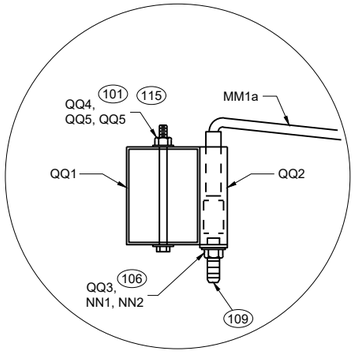
(113) FOUR (4) HH1 AND HH2 REQUIRED TO ATTACH AA2 TO BB1.

(114) NO MATERIAL IS TO BE PLACED AGAINST THE VERTICAL FACES OF BEARING PLATE.

(115) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLTS FOR POST AND SOIL TUBE.

(116) PREVENT OR REMOVE MATERIALS THAT BLOCK ACCESS TO BOLT. PLACE CABLE ON TOP OF MATERIAL.

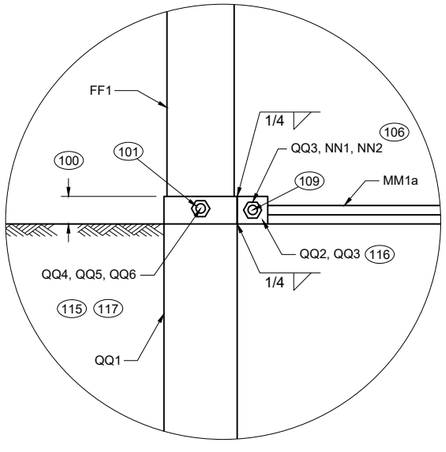
(117) ONE WASHER BETWEEN BOLD HEAD AND FOUNDATION TUBE AND BETWEEN NUT AND FOUNDATION TUBE.



TOP VIEW

DETAIL "A"

(WOOD BREAKAWAY AND BEAM GUARD RAIL POSTS NOT SHOWN)



PROFILE VIEW

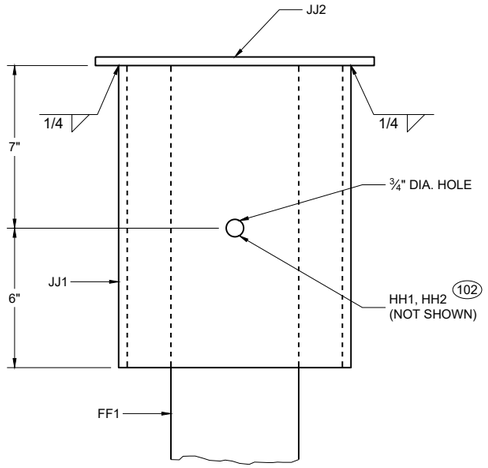
DETAIL "A"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

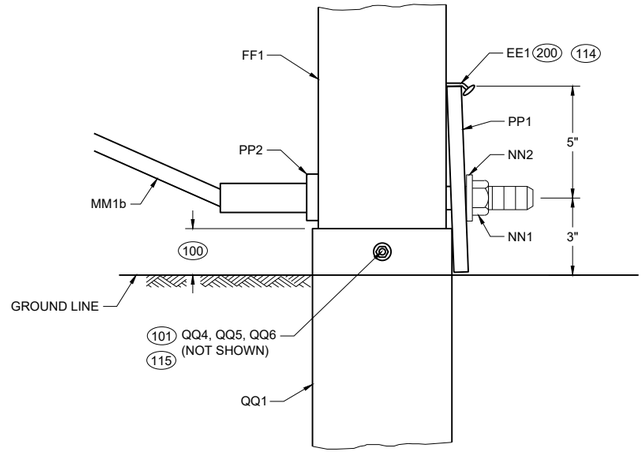
GENERAL NOTES

(200) TWO (2) NAILS SPACED 4 INCHES CENTER TO CENTER.



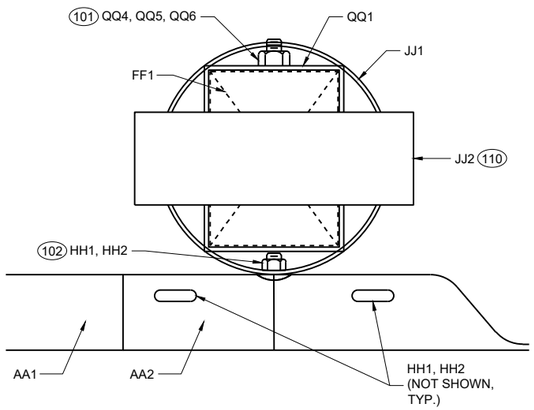
PROFILE VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY
(BEAM GUARD AND W BEAM END SECTION NOT SHOWN)



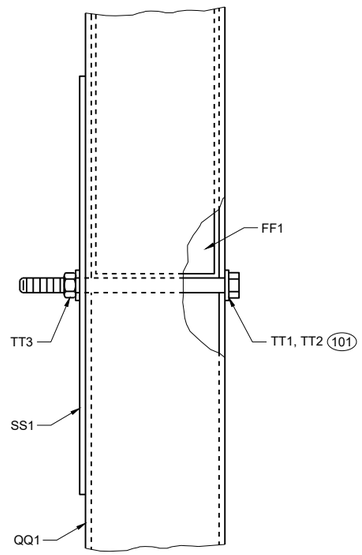
PROFILE VIEW

DETAIL "C"



PLAN VIEW

DETAIL "B"
STEEL PIPE ASSEMBLY



PROFILE VIEW

DETAIL "D"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

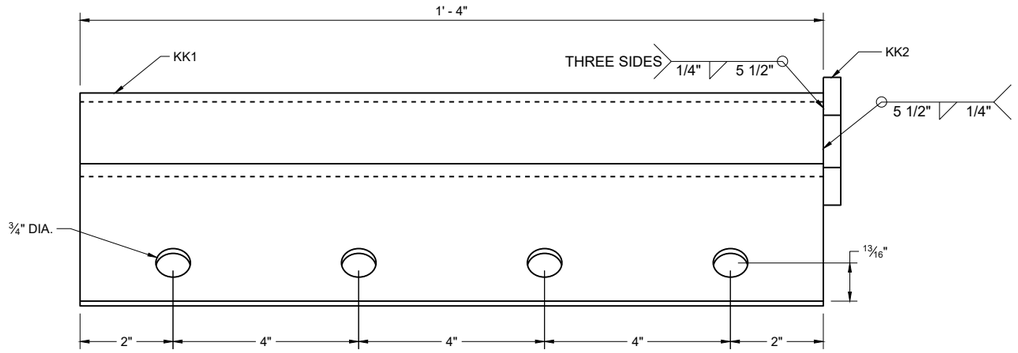
SDD 14B53-04c

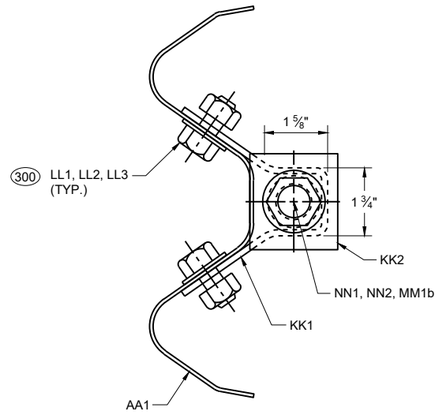
6

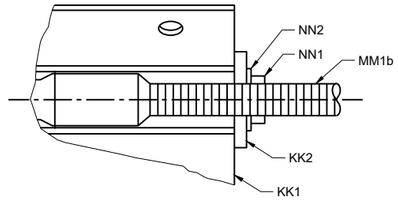
SDD 14B53-04c

GENERAL NOTES

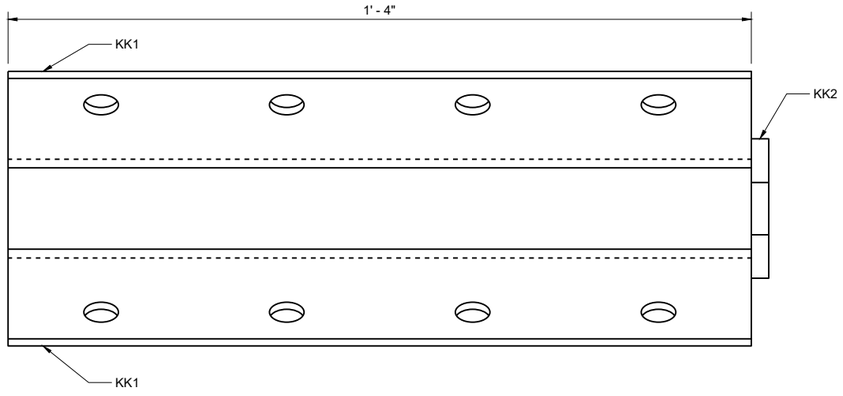
(300) WASHERS REQUIRED BETWEEN BOLT HEAD AND BEAM GUARD RAIL AND BETWEEN NUT AND ANCHOR BRACKET. EIGHT (8) LL1 AND LL3 REQUIRED. SIXTEEN (16) LL2 REQUIRED.

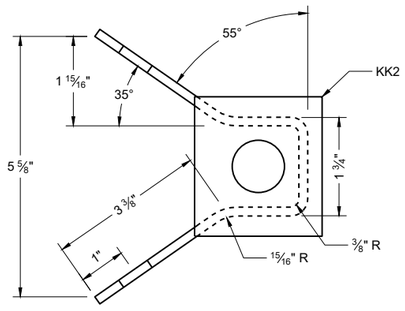




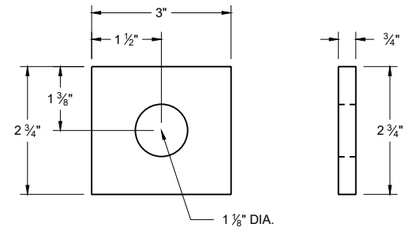


SECTION A - A





ANCHOR BRACKET (KK1, KK2)



ANCHOR BRACKET BEARING PLATE (KK2)

6

SDD 14B53-04d

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

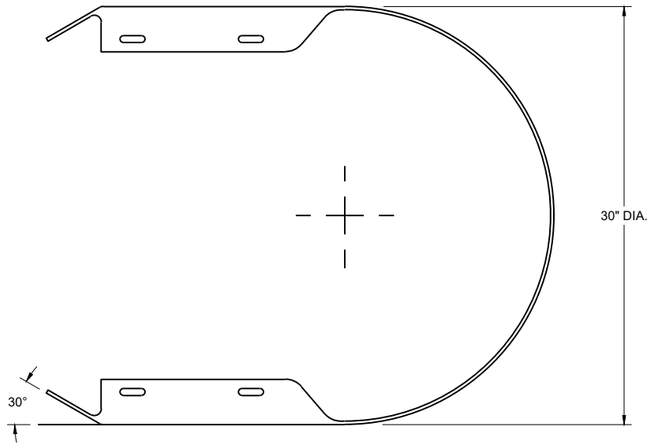
6

SDD 14B53-04d

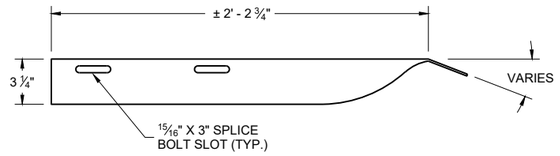
GENERAL NOTES

(400) CROSS SECTION OF PART IS TO FIT OVER AA1 .

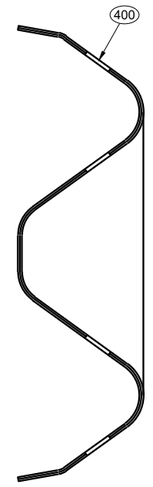
(401) CROSS SECTION OF PART IS TO FIT OVER OR UNDER AA1 .



TOP VIEW



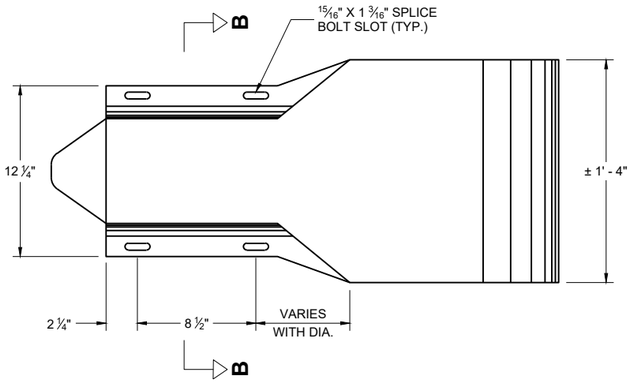
TOP VIEW



SECTION B -B

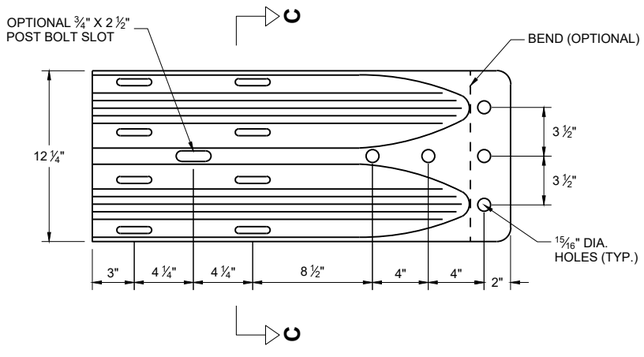


SECTION C -C



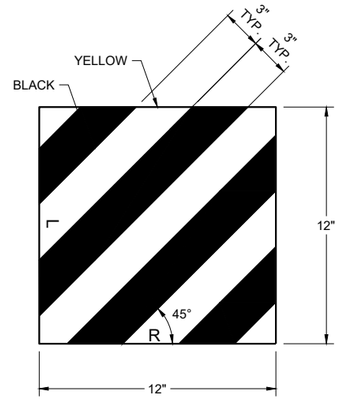
PROFILE VIEW

W BEAM
END SECTION BUFFER (AA2)



PROFILE VIEW

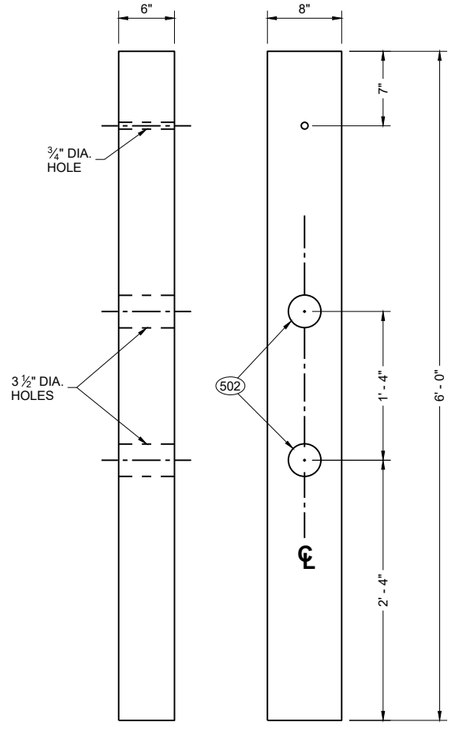
W BEAM
TERMINAL CONNECTOR (BB1)



REFLECTIVE SHEETING (UU1, UU2)

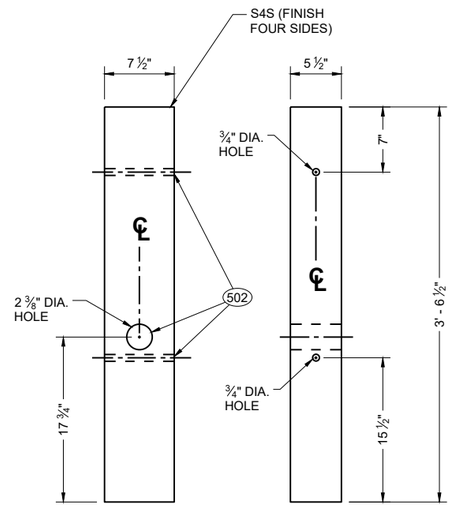
SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



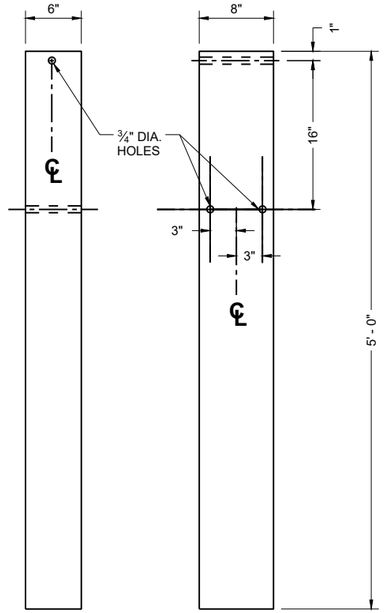
FRONT VIEW SIDE VIEW

CONTROLLED RELEASE POST (CRT) (DD2)



FRONT VIEW SIDE VIEW

WOOD BREAKAWAY POST (FF1)



FRONT VIEW SIDE VIEW

FOUNDATION TUBE (QQ1) (500)

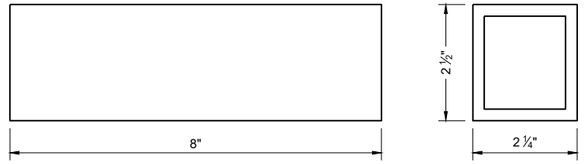
GENERAL NOTES

(500) SEE DETAIL "D" FOR LOCATION AND ATTACHMENT OF SS1.

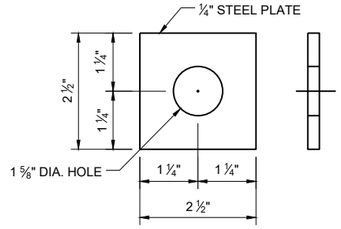
(501) FOR MM1a THREADED STUD ONLY REQUIRED ON ONE END. SWAGED FITTING REQUIRED.

(502) LOCATE HOLES ON THE CENTERLINE OF THE SIDE OF THE POST.

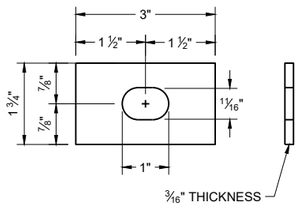
(503) MM1a MAY HAVE ONE THREADED STUD 4 INCHES LONG. SEE NOTE (109)



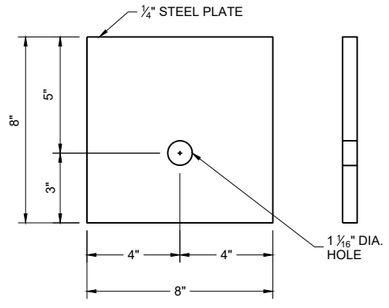
FOUNDATION TUBE - ANCHOR CABLE TUBE (QQ2)



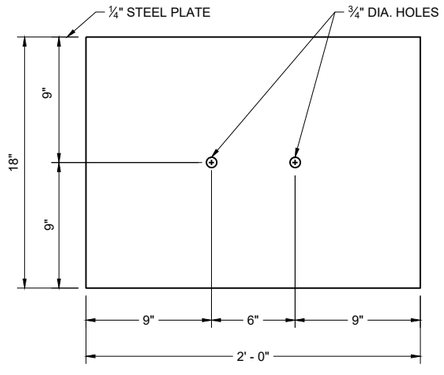
ANCHOR CABLE TUBE END PLATE (QQ3)



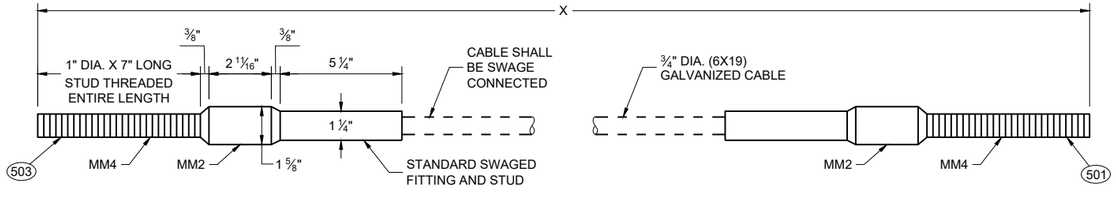
RECTANGULAR PLATE WASHER (CC1)



BEARING PLATE (PP1)



SOIL PLATE (SS1)



CABLE ASSEMBLY (MM1a, MM1b)

"X" LENGTH

MM1b	9' - 0"
MM1b	6' - 8"

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	BEAM GUARD RAIL	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
A2	BEAM GUARD RAIL - SHOP BENT	INDICATE ON BACK OF RAIL THE RADIUS THAT RAIL WAS BENT TO. SHOP BEND RADIUS IS TO THE NEAREST FOOT. FOLLOW AASHTO M180 ON HOW TO MARK RADIUS INFORMATION.	
		AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
B1	BLOCK - WOOD	WISDOT SPEC. 614	SEE SDD 14B42
C1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEAD)	
D1	POST-STRONG POST-WOOD	WISDOT SPEC. 614	SEE SDD 14B42
D2	POST-CRT-WOOD	WISDOT SPEC. 614	
E1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
E2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
E3	POST BOLT - NUT	AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
F1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
F2	SPLICE BOLT - NUT	ASTM A563 GRADE A	5/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
G1	LAG SCREW	ASTM A308 GRADE A ASTM A153 CLASS D	1/2" DIA. 6" LONG
H1	DELINEATOR - BEAM GUARD		SEE SDD 14B42 FOR MORE INFORMATION
H2	DELINEATION - SHEETING	YELLOW OR WHITE	
		WISDOT SPEC 637 TYPE SH	
		APPROVED PRODUCT LIST	
J1	FOUNDATION BACKFILL	STANDARD SPEC. 614	
AA1	BEAM GUARD RAIL - PUNCHED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
AA2	BEAM GUARD RAIL - END SECTION BUFFER	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
BB1	BEAM GUARD RAIL - TERMINAL CONNECTOR MODIFIED	AASHTO M180, CLASS A, TYPE 2	
		APPROVED PRODUCER	
CC1	SHORT RADIUS - SQUARE WASHER	AASHTO M180	
		GALV. AASHTO M111 / ASTM A123	
EE1	NAIL	ASTM A153 HOT DIP CLASS D	
		ASTM F1667 TYPE 1 STYLE 12 (16 DOUBLE HEADED)	
FF1	POST - BCT - WOOD	S4S FINISH ON 4 SIDES	
		WISDOT SPEC. 614	
GG1	POST BOLT	ASTM A307 GRADE A OR SAE J429 GRADE 2	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180	
		GALV. HOT DIP TO AASHTO M232 CLASS C/ASTM A153 CLASS C/ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1/ASTM B695 CLASS 50, TYPE 1	
		UNC	
GG2	POST BOLT - WASHER	ASTM F436 TYPE 1 (HARDEN TYPICALLY USED WITH STEEL) OR ASTM F844 (UNHARDENED TYPICALLY WITH WOOD)	3/8" DIA.
		GALV. AASHTO M111 / ASTM A 123 OR GALV. HOT DIP. TO AASHTO M232 CLASS C/ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B53-04g

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
GG3	POST BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE 14B42 FOR GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		ASTM A563 GRADE A HEAVY HEX HEAD	
HH1	SPLICE BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		ASTM A307 GRADE A OR SAE J429 GRADE 2	
		UNC	
		AASHTO M180 HEAD GEOMETRY	
HH2	SPLICE BOLT - NUT	ASTM A563 GRADE A	3/8" DIA. SEE SDD 14B42 FOR BOLT GEOMETRY
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
JJ1	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	10" O.D.
JJ2	TOP PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 3/8" X 4" X 1' - 0"
		GALV. AASHTO M111 / ASTM A123	
KK1	ANCHOR BRACKET	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
KK2	ANCHOR BRACKET - BEARING PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
LL1	ANCHOR BRACKET - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
LL2	ANCHOR BRACKET - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
LL3	ANCHOR BRACKET - NUT	ASTM A563 GRADE A	5/8" DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
MM1a	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM1b	ANCHOR CABLE	AASHTO M30 / ASTM A741 INDEPENDENT WIRE CORE (IWRC) OR WIRE STRAND CORE (WCS), IMPROVED PLOW STEEL (IPS), 6X19, TYPE II OR IIc CLASS C ZINC COATED	
MM2	ANCHOR CABLE - SWAGE FITTING	ASTM A576 GRADE 1035	
		SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. WITH A BREAKING STRENGTH 40,000 LBS.	
		GALV. AASHTO M111 / ASTM A123	
		ASME B30.26 FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING INTO CONNECTION: NAME OF MANUFACTURER OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE.	
MM3	WIRE ROPE CABLE CLAMPS	FF-C-450D TYPE 1 CLASS 1	3/4"
		ASTM A153 HOT DIP CLASS D	
MM4	ANCHOR CABLE - SWAGE FITTING - STUD	ASTM F3125 GRADE A325 TYPE 1 OR SAE GRADE 5 OR ASTM A449 TYPE 1 HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
NN1	ANCHOR CABLE - NUT	ASTM A563 GRADE A	1" DIA.
		AASHTO M180 DOUBLE RECESSED HEAVY HEX HEAD	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		OVER TAPPED NUTS OVER-SIZE AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		UNC	
NN2	ANCHOR CABLE - NUT - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	1" DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 14B53-04h

BILL OF MATERIALS - SHORT RADIUS BEAM GUARD (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
PP1	BEARING PLATE AT POST	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / ASTM A123	
PP2	PIPE - STEEL	ASTM A53 GALVANIZED GRADE B SCHEDULE 40	2" DIA. x 6" LONG
QQ1	FOUNDATION TUBE	ASTM A500 GRADE B	8" X 6" X 3/16"
		GALV. AASHTO M111 / ASTM A123	
QQ2	SHORT RADIUS - FOUNDATION TUBE - ANCHOR CABLE - TUBE	ASTM A500 GRADE B	DIMENSIONS 2 1/2" X 2 1/4" X 1/4" X 8"
		GALV. AASHTO M111 / ASTM A123	
QQ3	SHORT RADIUS - SOIL TUBE - ANCHOR CABLE - TUBE - END PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	DIMENSIONS 2 1/2" X 2 1/2" X 1/4"
		GALV. AASHTO M111 / ASTM A123	
QQ4	GROUND STRUT AND YOKE - BOLT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
		ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	
		UNC	
QQ5	GROUND PLATE AND YOKE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
QQ6	GROUND STRUT AND YOKE - NUT	HEAVY HEX	5/8 DIA.
		UNC	
		ASTM A563 GRADE A	
		OVER TAPPED NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563	
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
SS1	SOIL PLATE	ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI OR ASTM A709 MAX STRENGTH 50 KSI OR ASTM A992 MAX STRENGTH 50 KSI	
		GALV. AASHTO M111 / A123	
TT1	SOIL PLATE - BOLT	ASTM A307 GRADE B HEAVY HEX HEAD OR SAE J429 GRADE 2 HEAVY HEX HEAD	5/8 DIA.
		GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	
		UNC	
TT2	SOIL PLATE - WASHER	ASTM F436 TYPE 1 (HARDEN WASHER ONLY)	5/8 DIA.
		GALV. AASHTO M111 / ASTM A123 OR GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329	
TT3	SOIL PLATE - NUT	GALV. HOT DIP TO AASHTO M232 CLASS C / ASTM A153 CLASS C / ASTM F2329 OR GALV. MECHANICALLY TO AASHTO M298 CLASS 50, TYPE 1 / ASTM B695 CLASS 50, TYPE 1	5/8 DIA.
UU1	OBJECT MARKER - SHEETING	MUTCD / WISDOT OBJECT MARKER TYPE 3	PATTERN AND COLOR FOR SHEETING. SHEETING TYPE FOR MARKER.
		WISDOT SPEC 637 TYPE F	
		APPROVED PRODUCT LIST	
UU2	OBJECT MARKER - ALUMINUM PLATE	WISDOT SPEC 637 ALUMINUM PLATE	MATERIAL AND THICKNESS OF MATERIALS
UU3	OBJECT MARKER - SCREWS	STAINLESS SELF-TAPPING SCREWS	
VV1	FOUNDATION BACKFILL	WISDOT SPEC 614	

SHORT RADIUS BEAM GUARD (MGS) SHORT RADIUS TERMINAL (MGS)

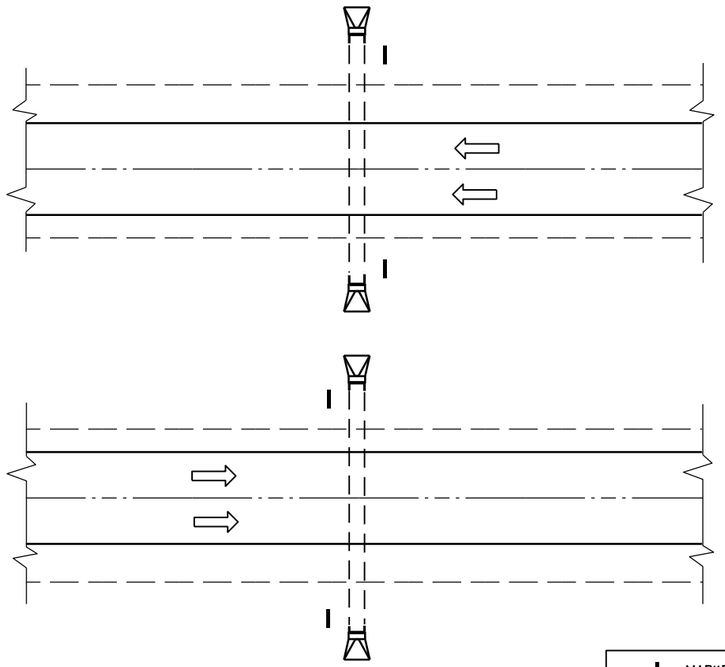
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

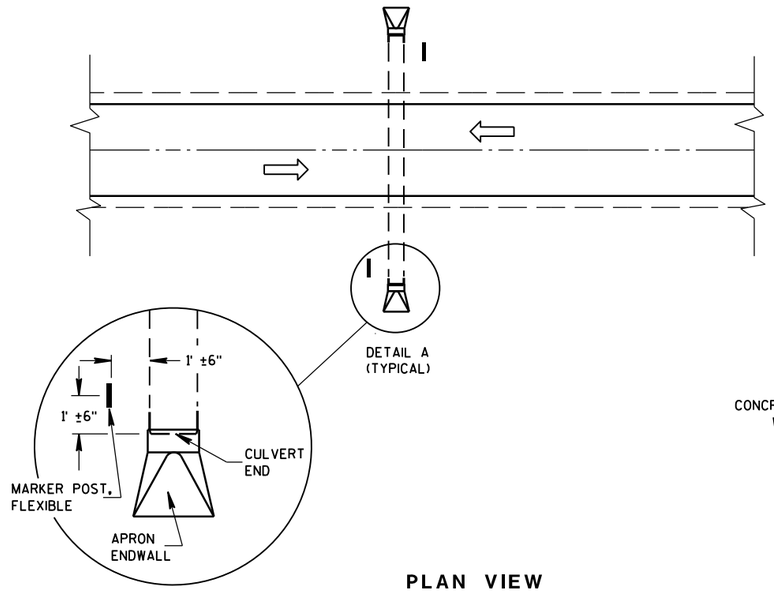
6

SDD 14B53-04i



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

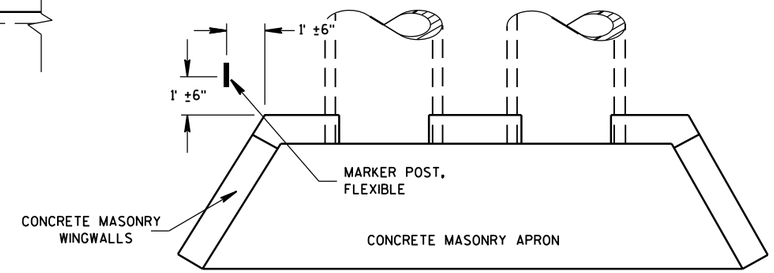
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

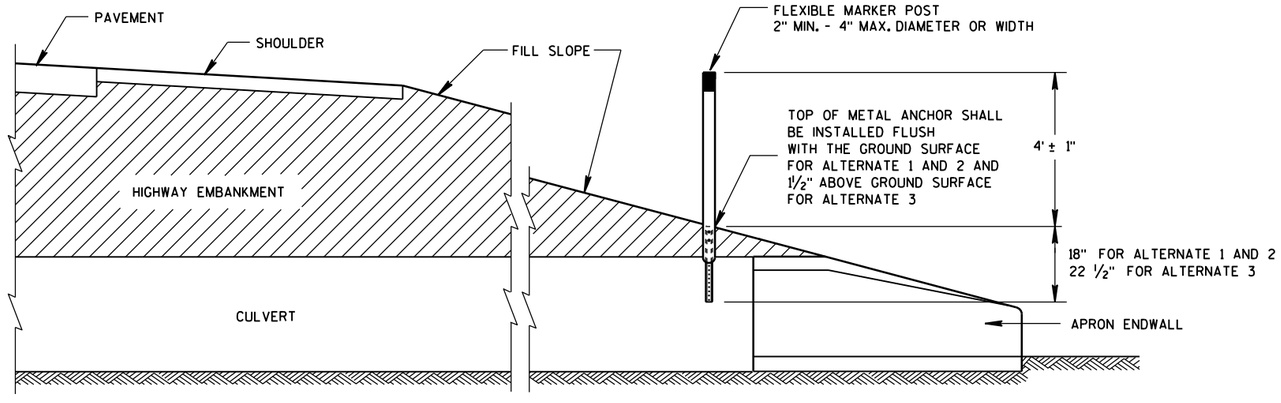
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

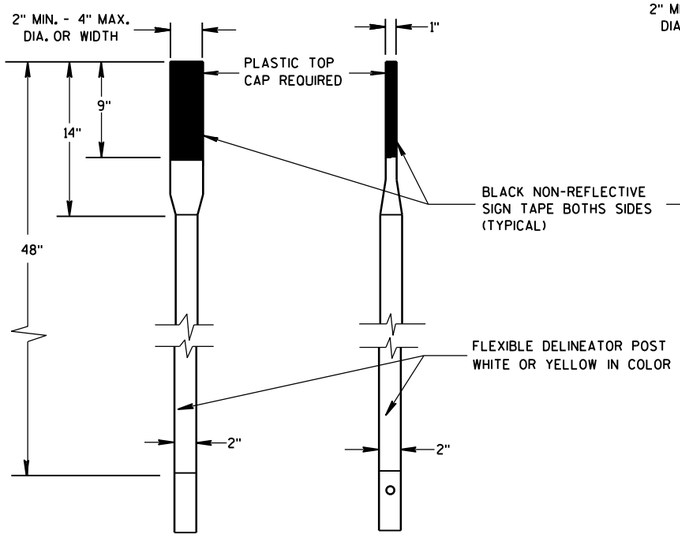
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

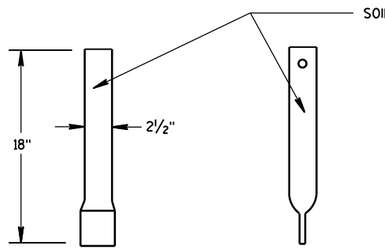
6

S.D.D. 15 A 3-2a

6

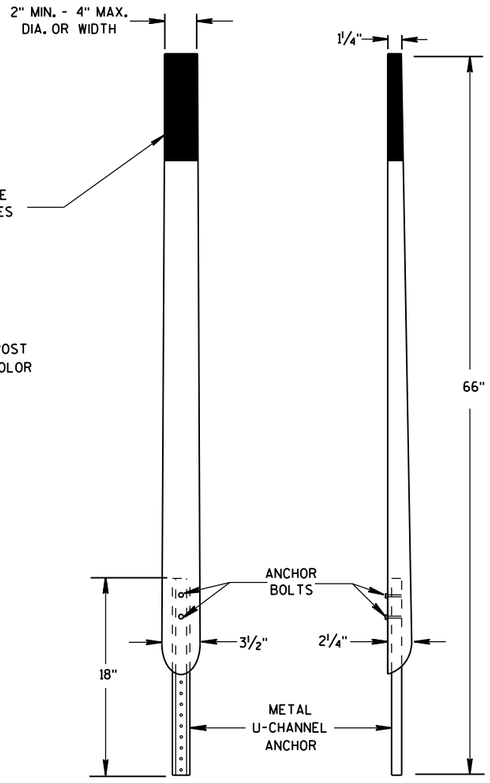
S.D.D. 15 A 3-2a





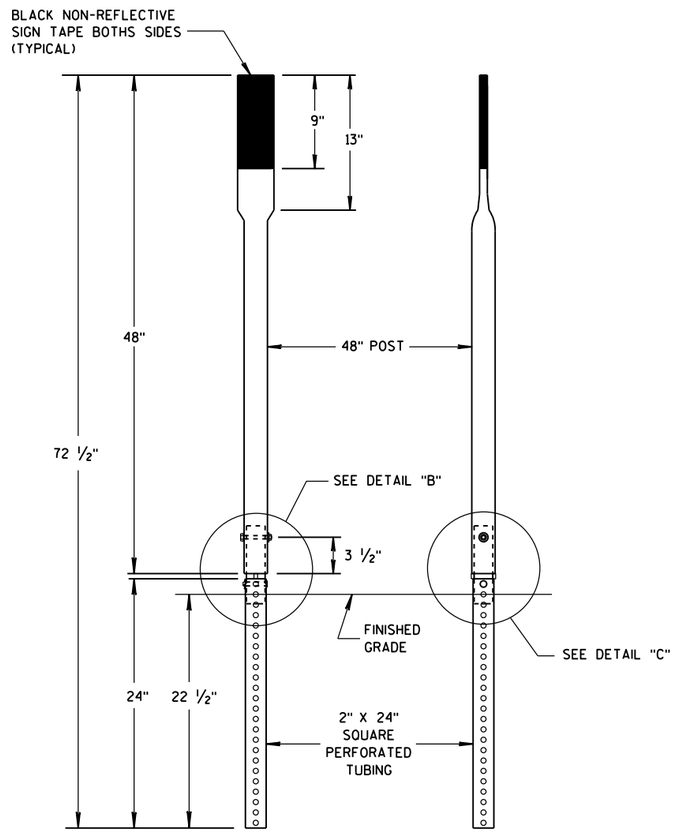
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

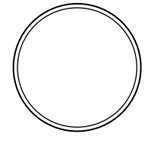
ALTERNATE 2



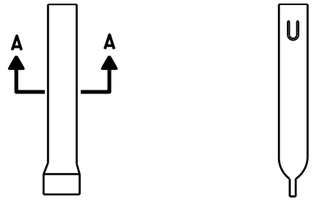
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

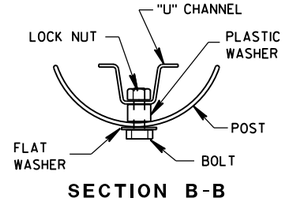


SECTION A-A

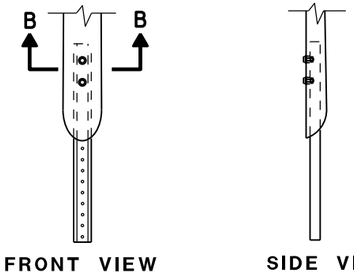


FRONT VIEW SIDE VIEW

ALTERNATE 1

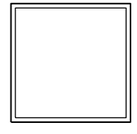


SECTION B-B

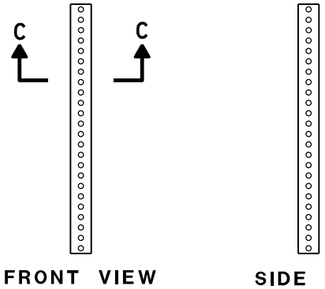


FRONT VIEW SIDE VIEW

ALTERNATE 2



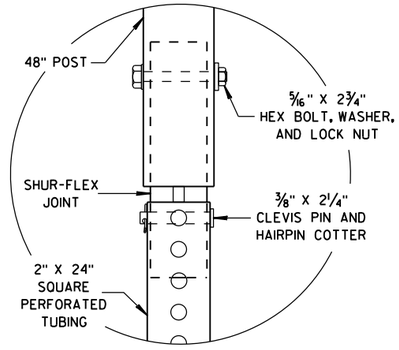
SECTION C-C



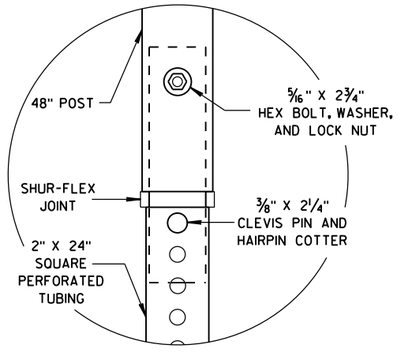
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

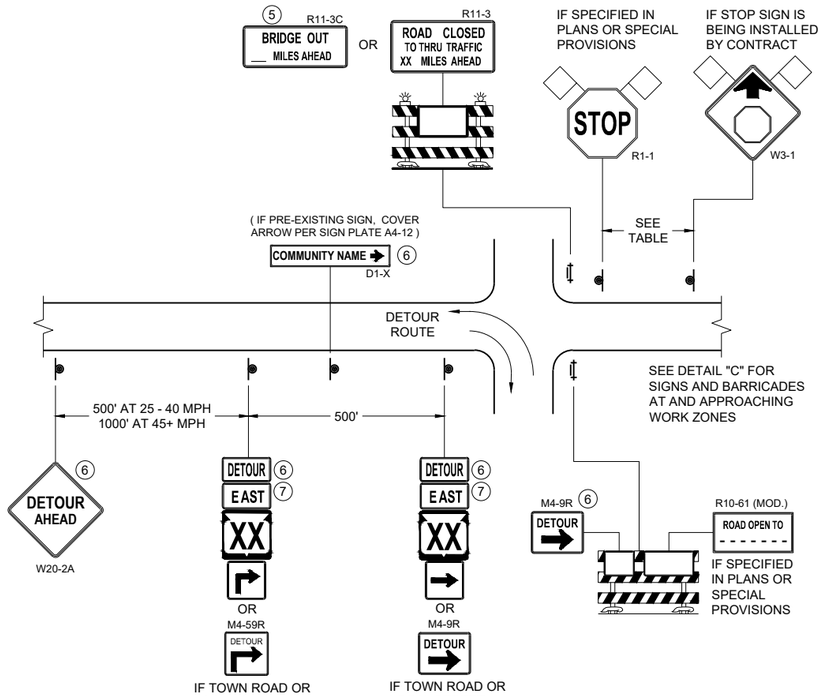
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

6

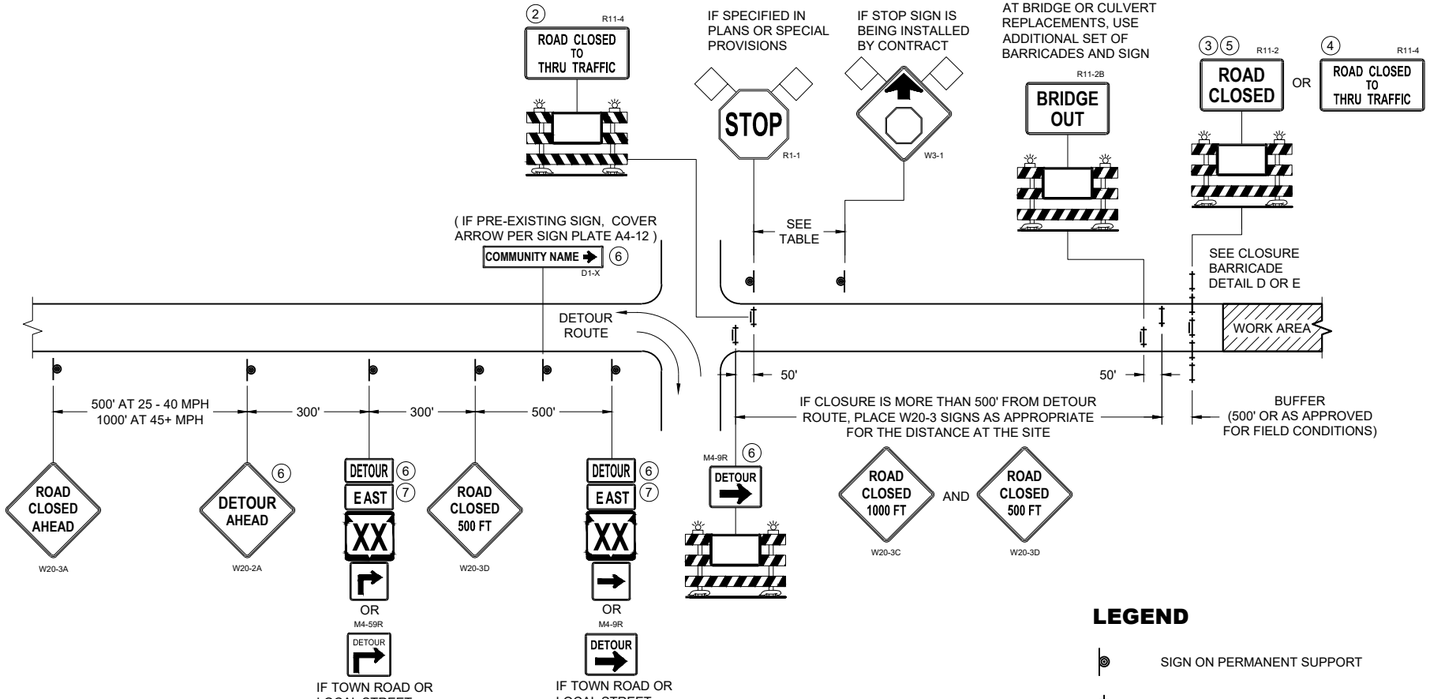
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

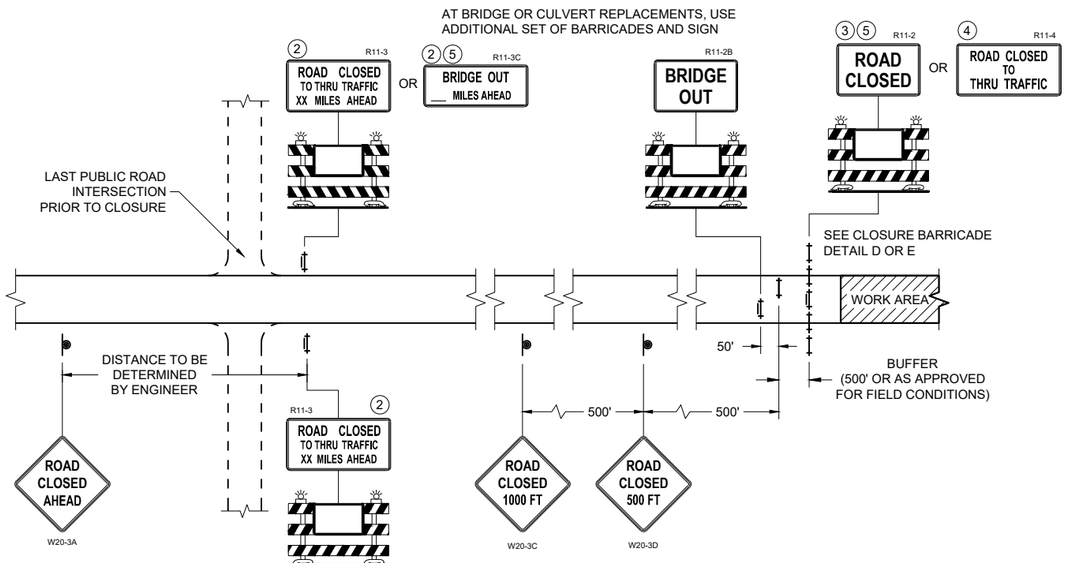
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



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

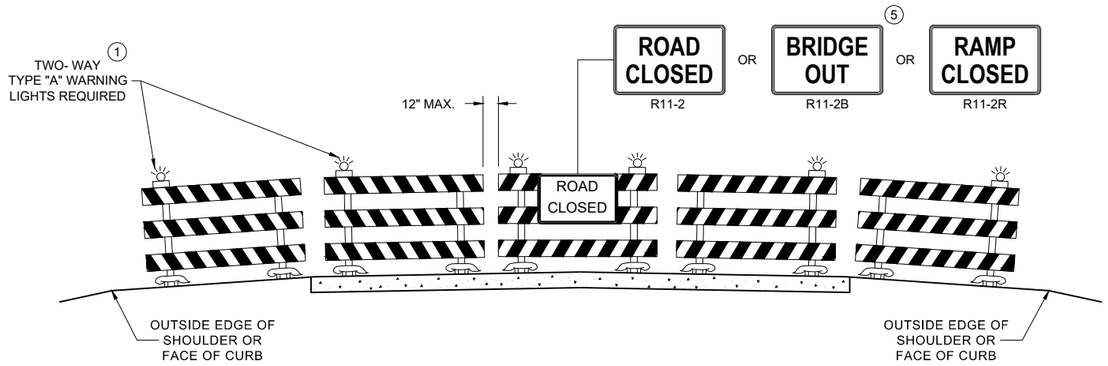
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

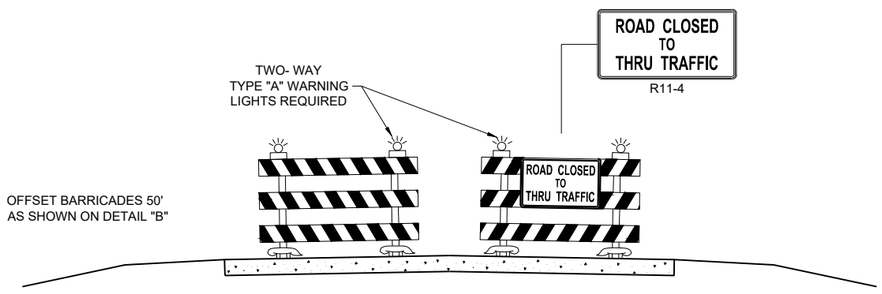
6
SDD 15C02-10a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

PARTIAL NUMBERS ON SIGNS SHALL BE DISPLAYED AS A WHOLE NUMBER(AS NEEDED) FOLLOWED BY A FRACTION. SIGNS SHALL NOT DISPLAY NUMBERS IN DECIMAL FORM.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

SIGNS PLACED ON TYPE III BARRICADES THAT ARE SIZES OTHER THAN 48"X30" SHALL HAVE A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE.

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C02-10b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

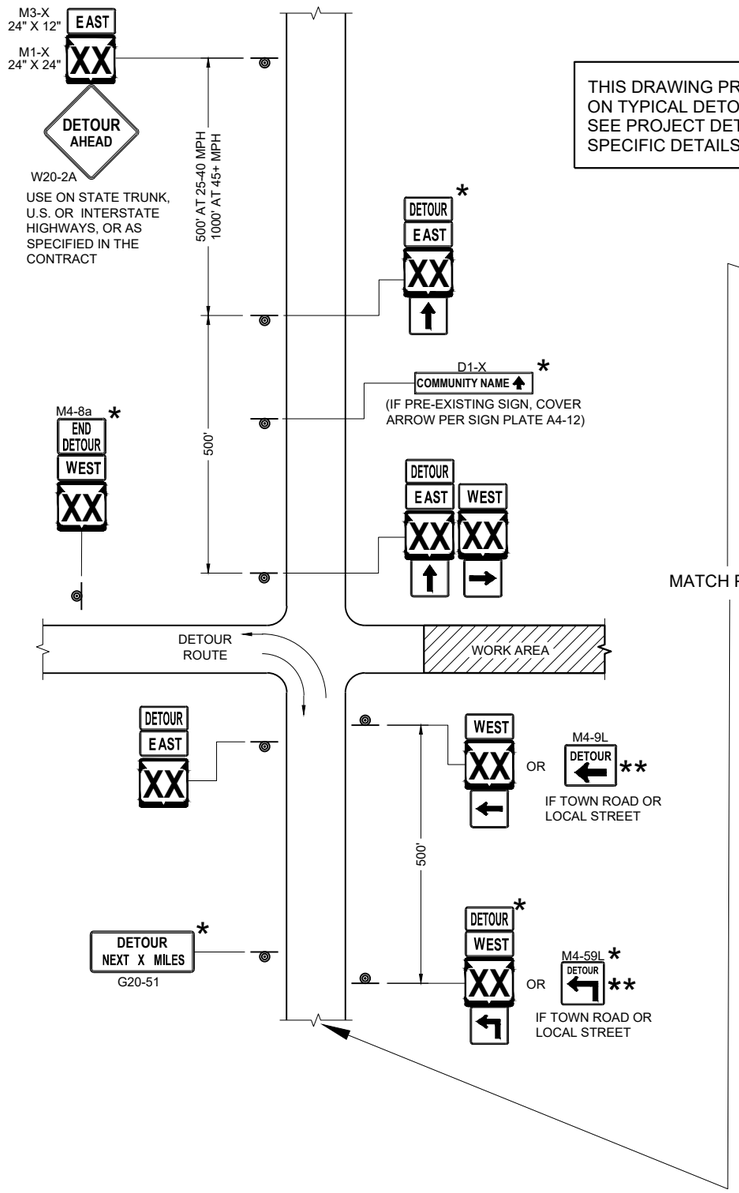
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

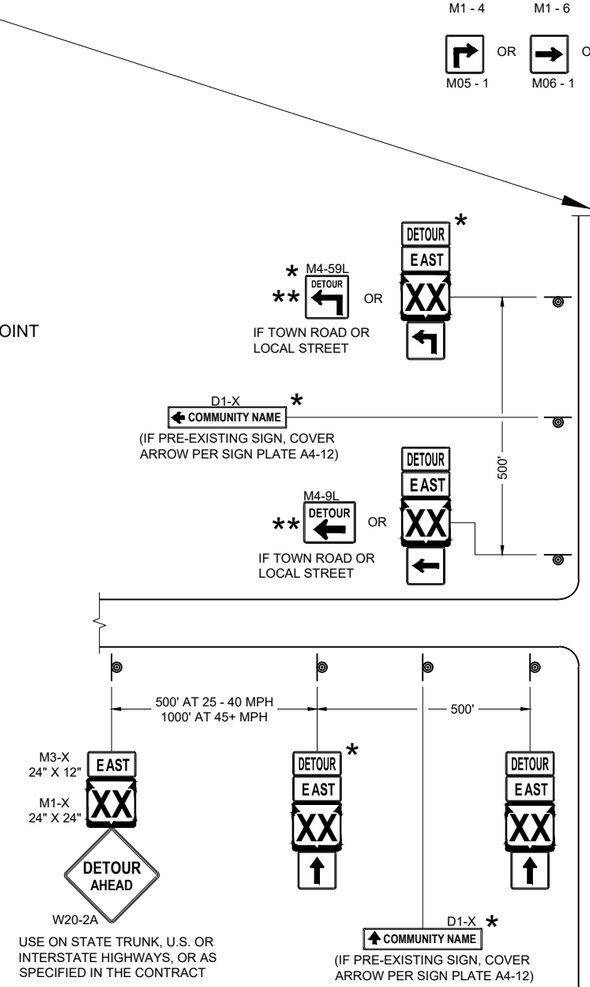
SIGN SIZES SHALL BE AS FOLLOWS:

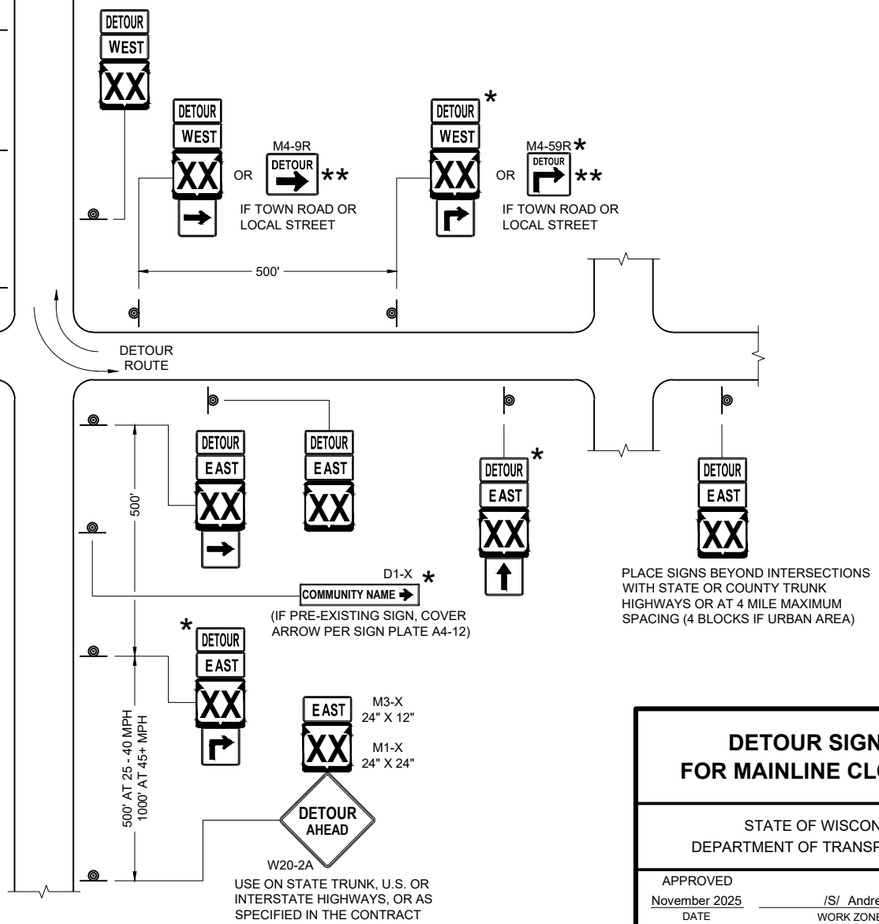
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.







SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

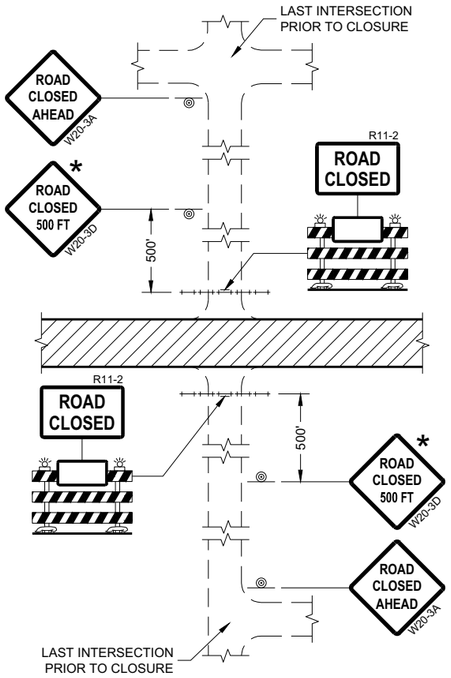
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

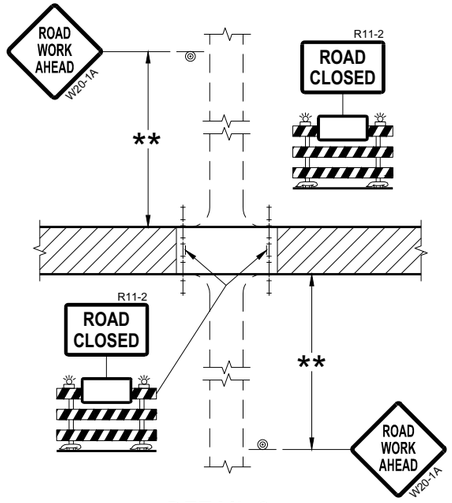
FHWA

6

SDD 15C02-10c



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

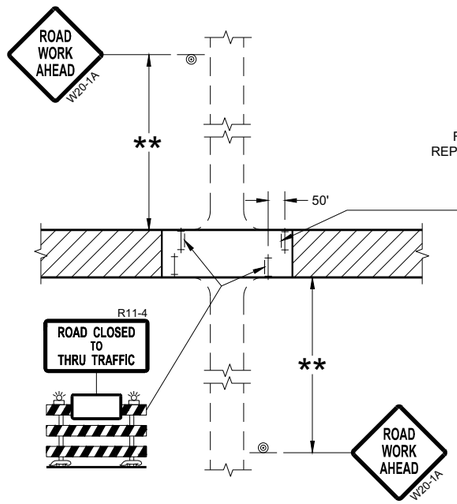
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

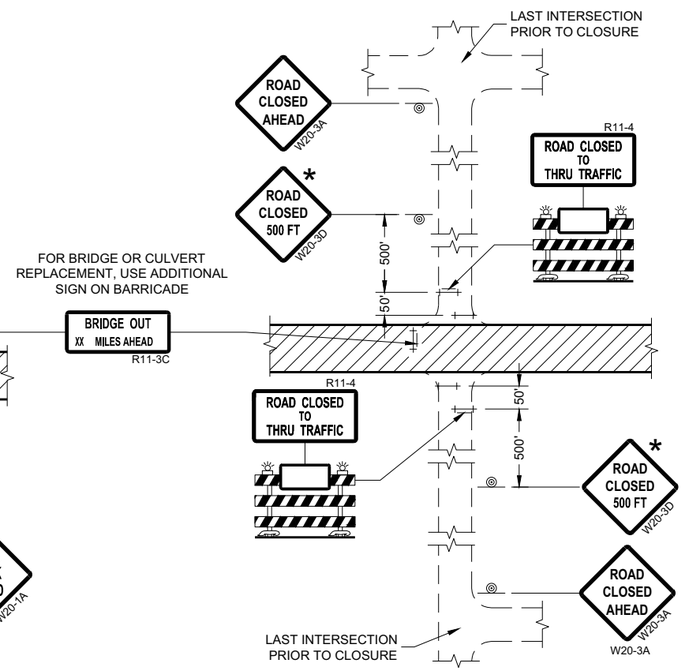
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

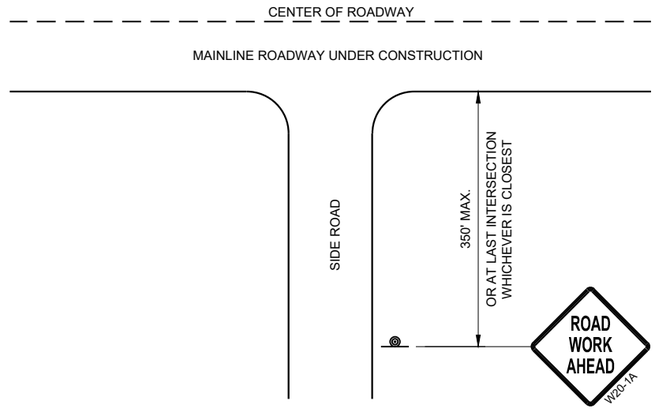
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

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

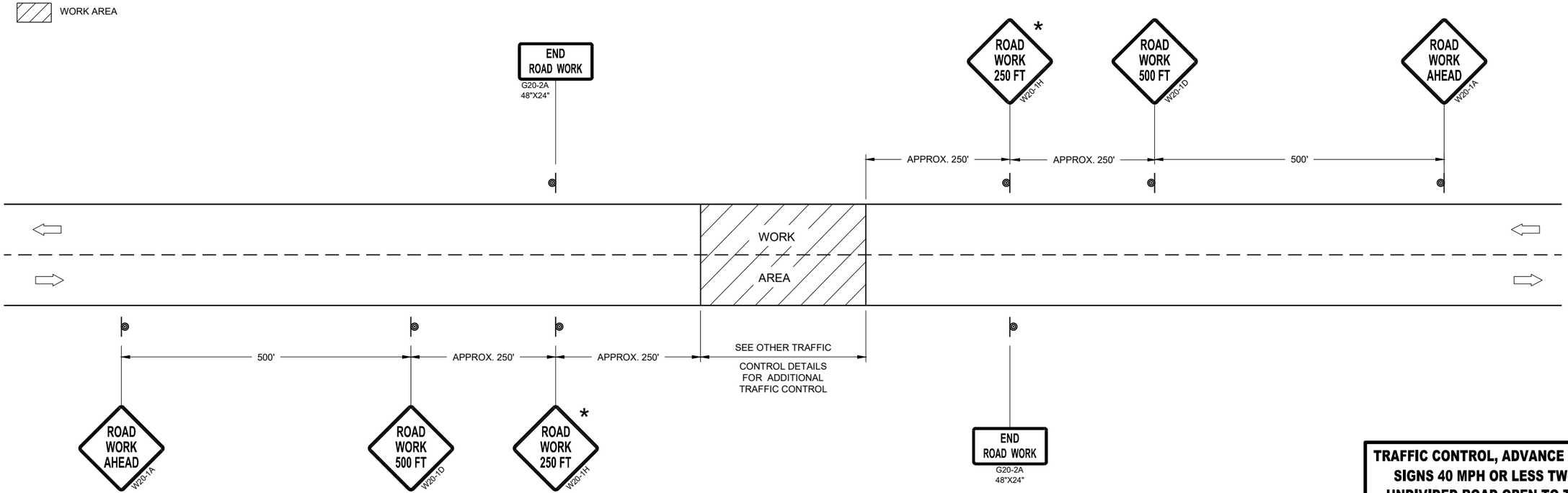
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

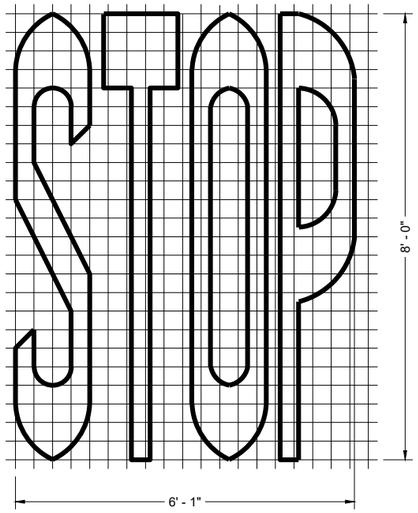
APPROVED
July 2018
DATE

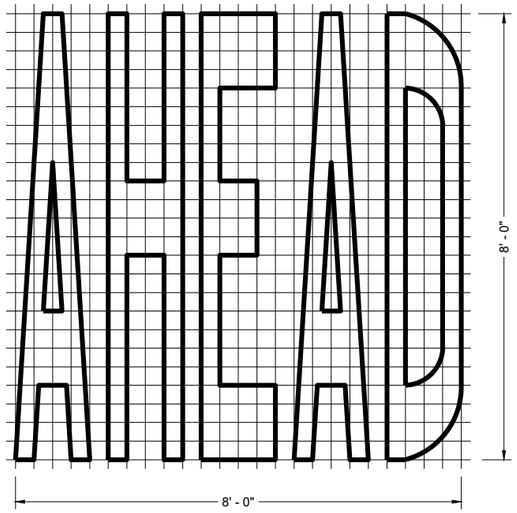
/S/ Andrew Heidtke
WORK ZONE ENGINEE

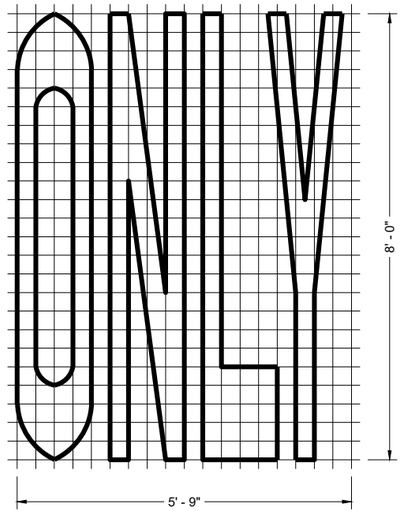
FHWA

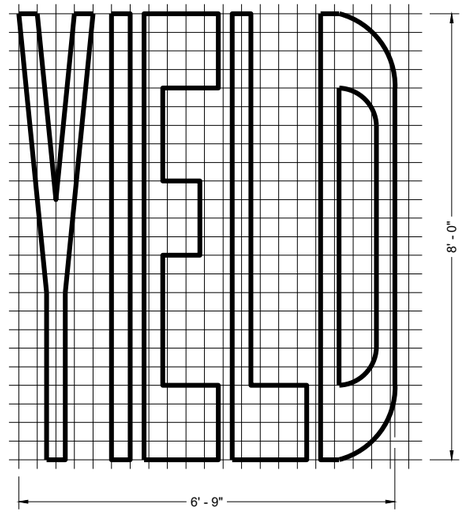
6

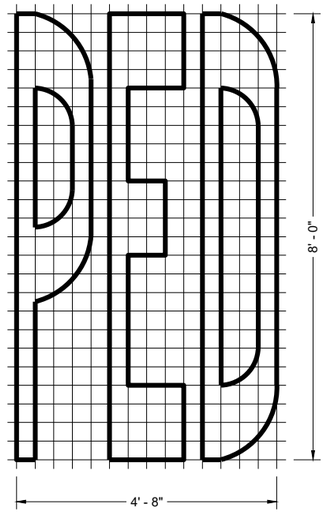
SDD 15C05 - 05

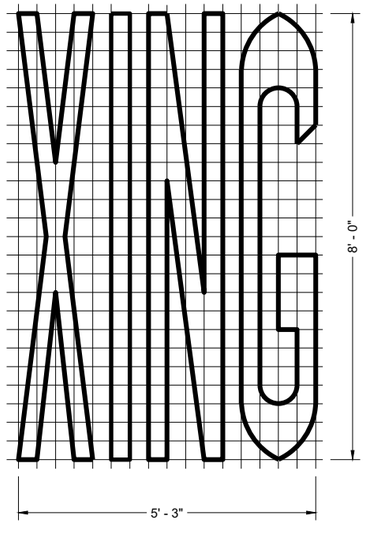


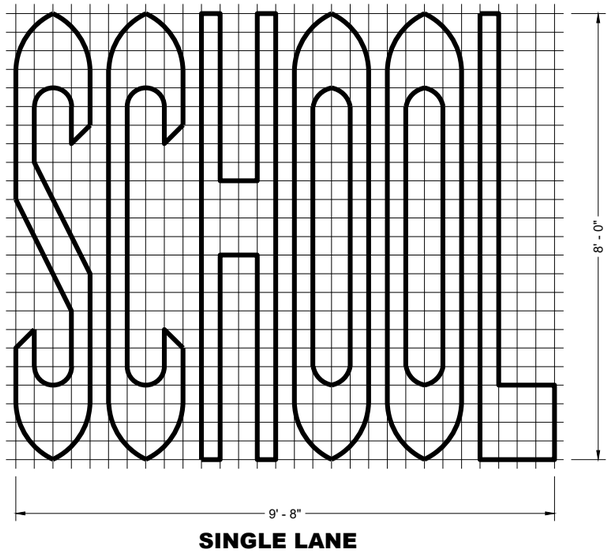




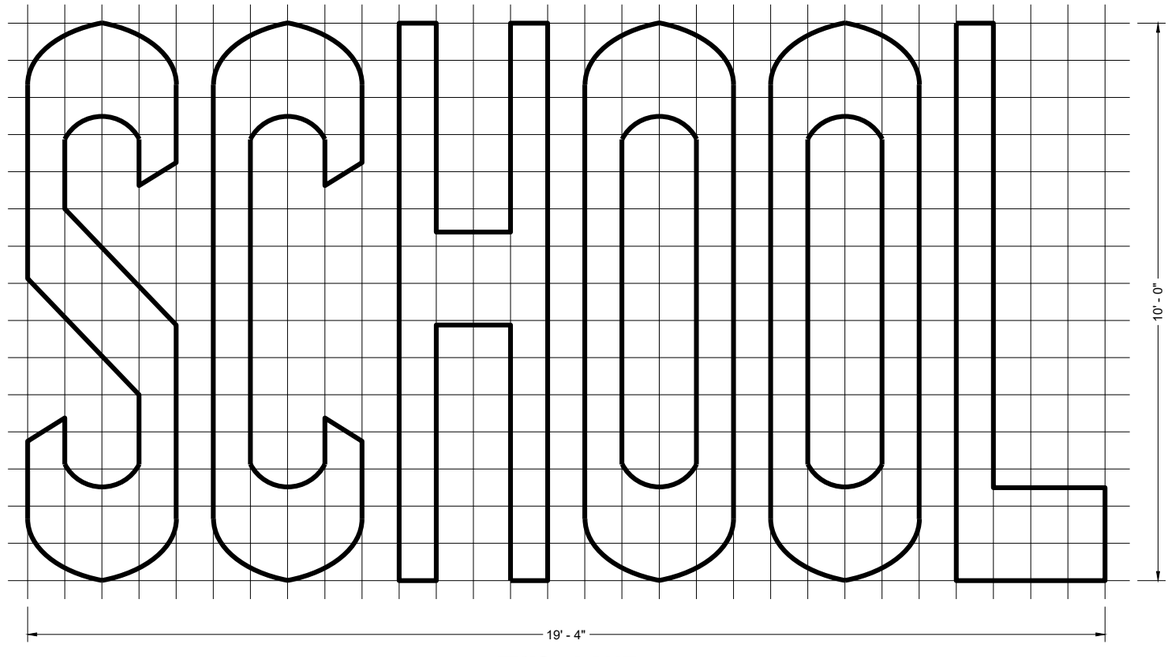








SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

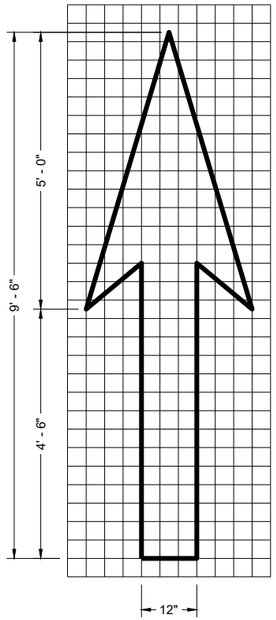
FHWA

6

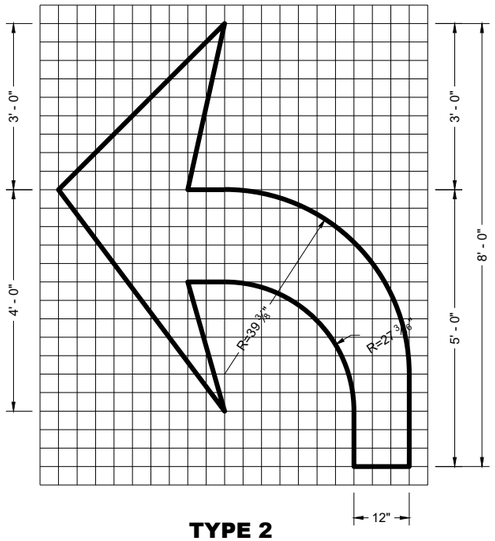
SDD 15C07-16b

6

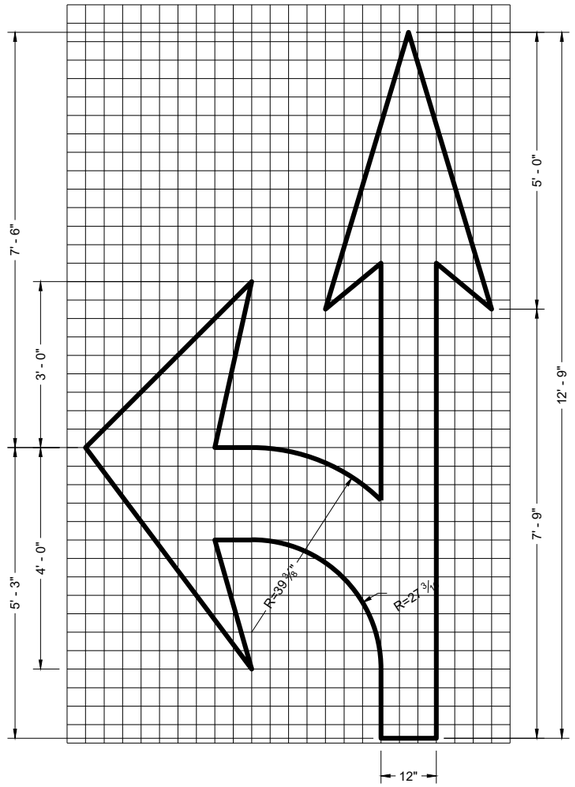
SDD 15C07-16b



TYPE 1



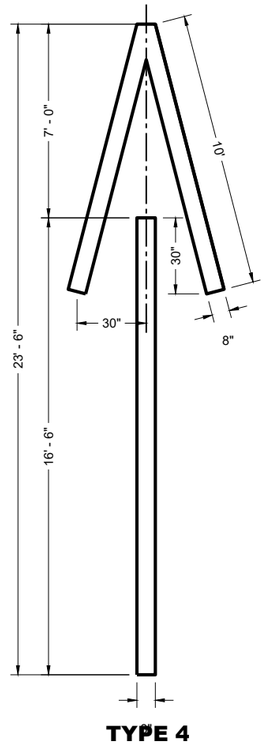
TYPE 2



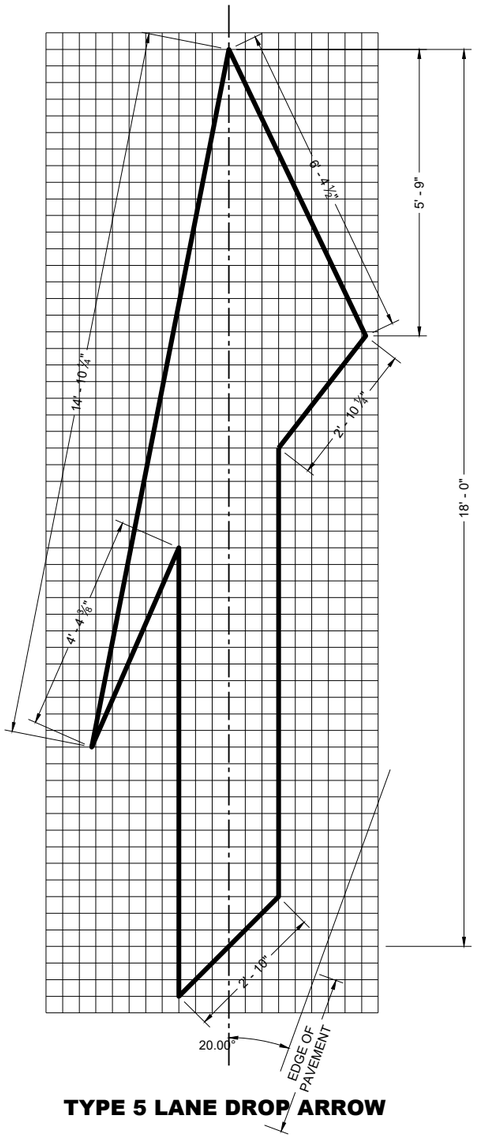
TYPE 3

GENERAL NOTES

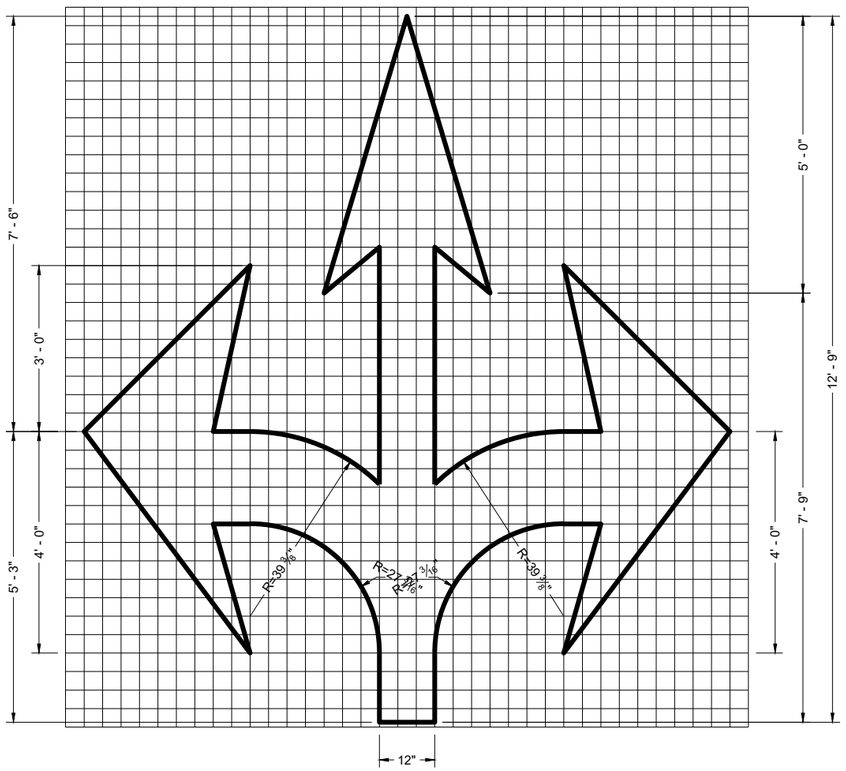
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



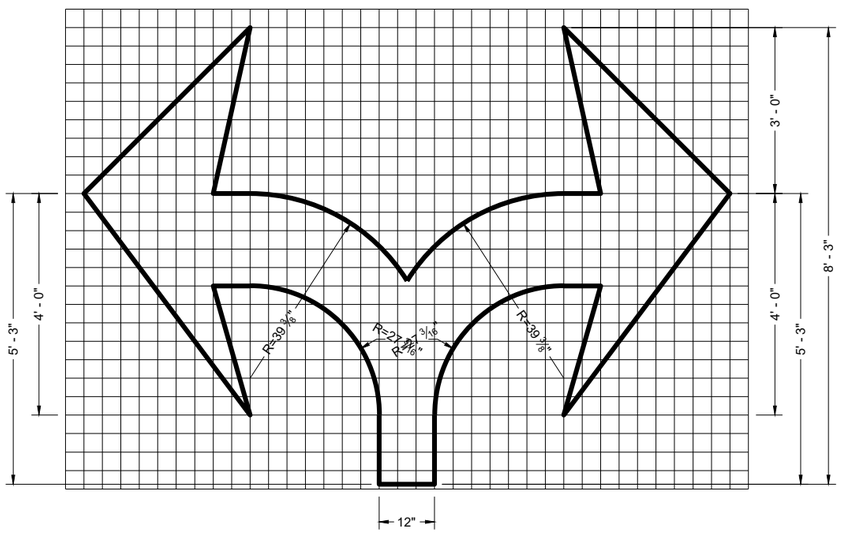
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

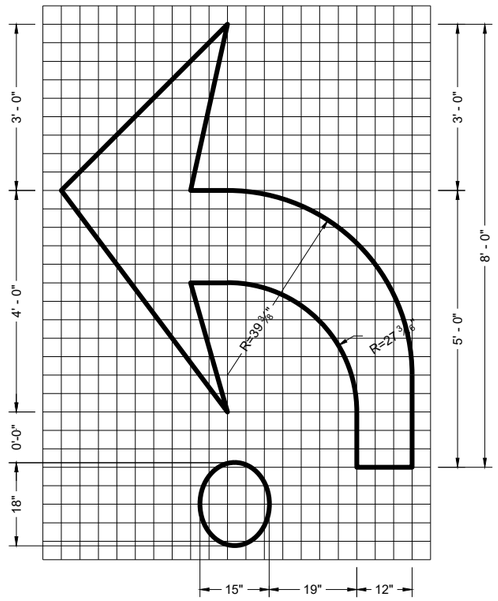
6

SDD 15C07-16c

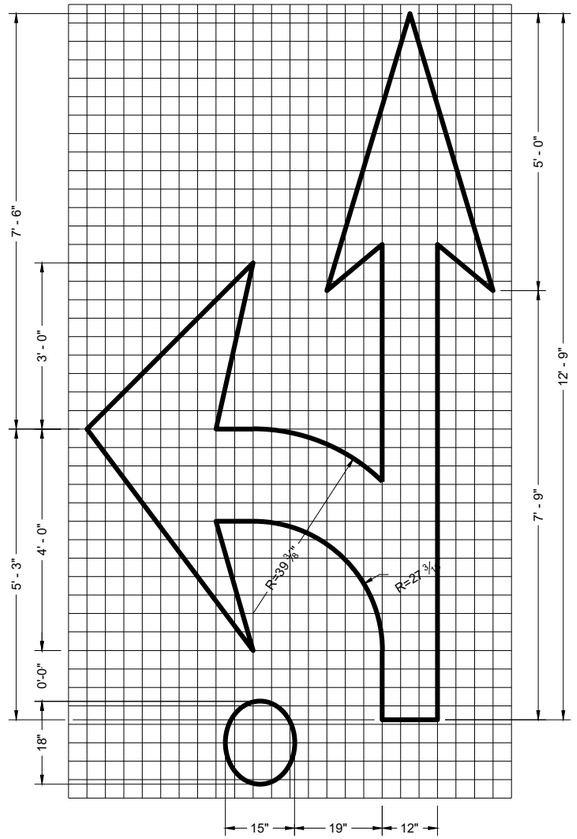
SDD 15C07-16c

GENERAL NOTES

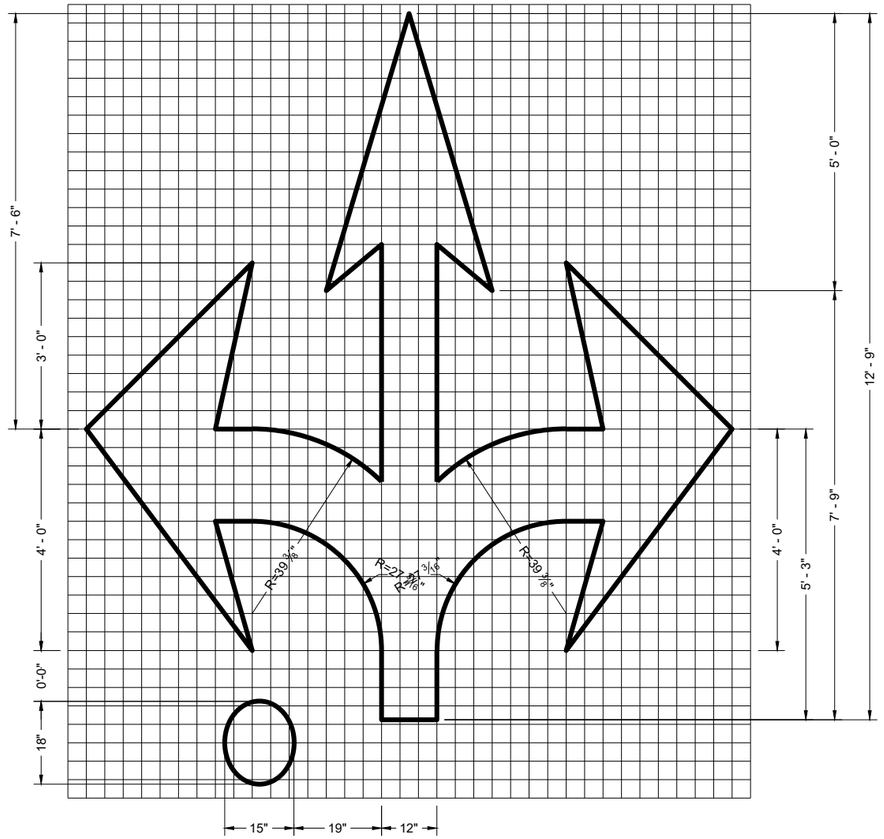
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



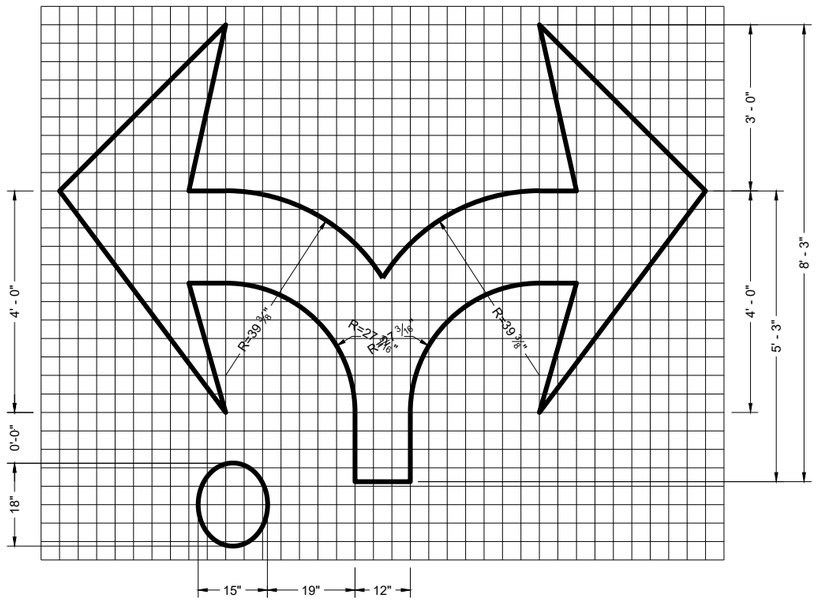
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Jeannie Silver — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07-16d

6

SDD 15C07-16d

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

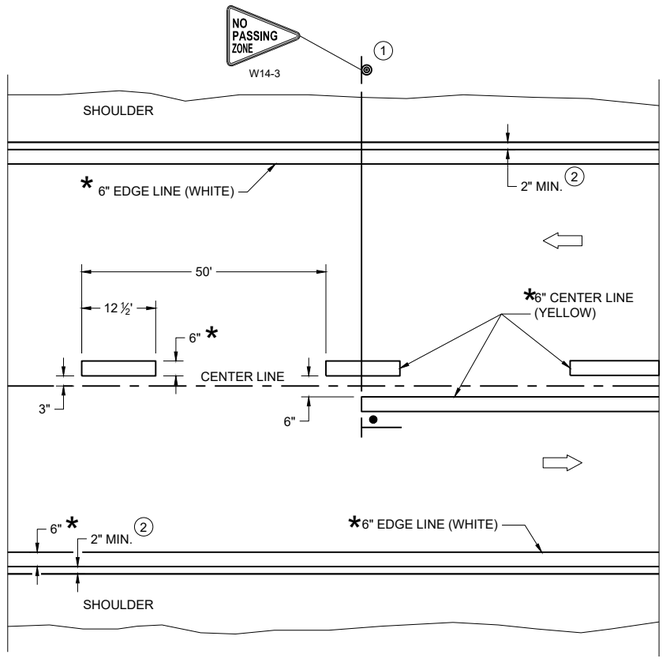
LEGEND

"T" MARKING

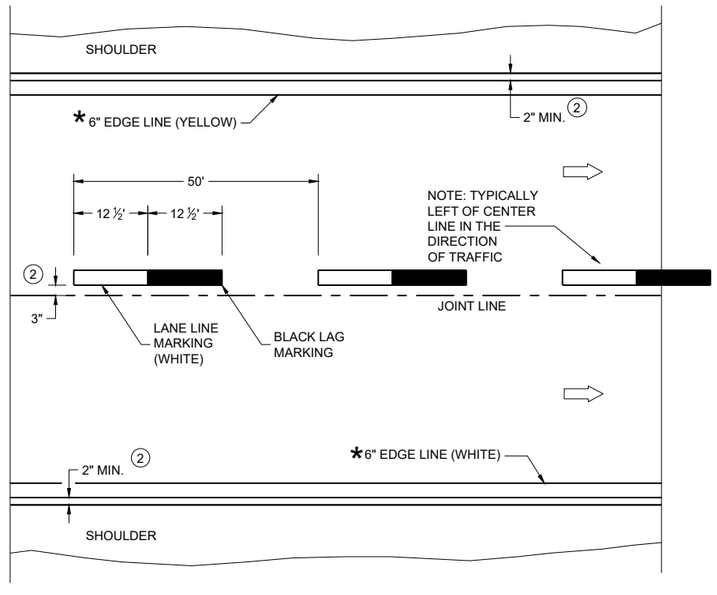
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

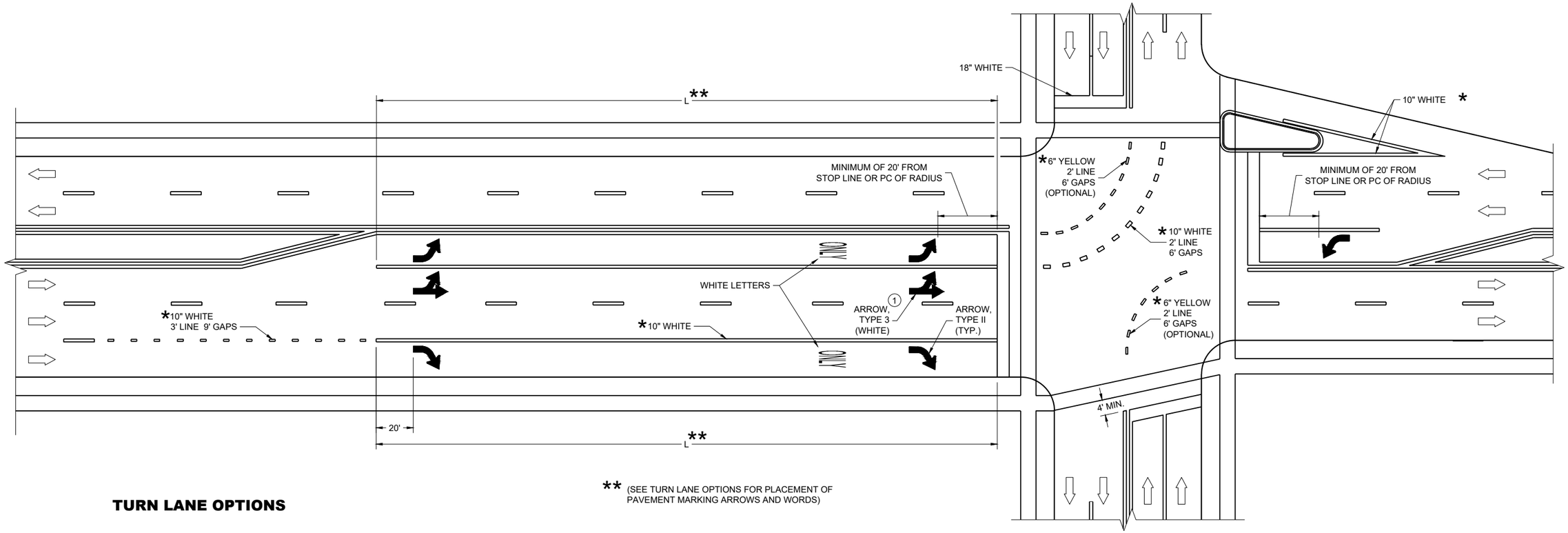
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

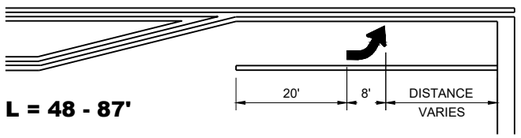
6
SDD 15C08-24a



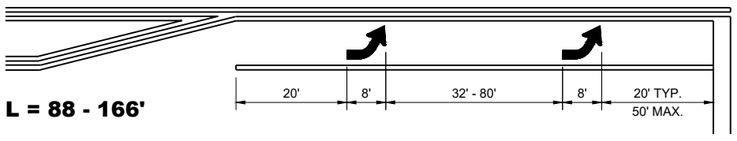
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

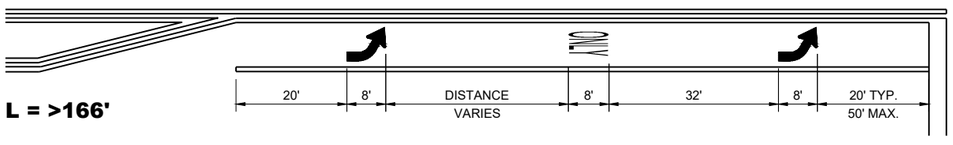
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

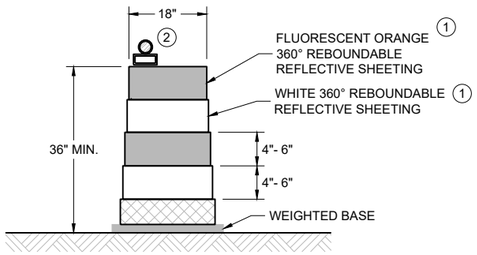
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

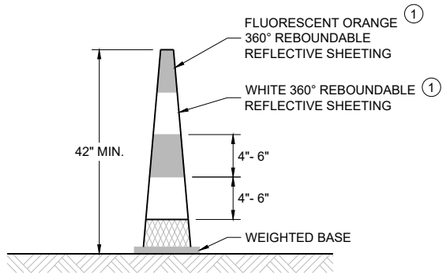
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

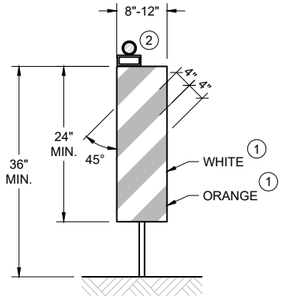
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

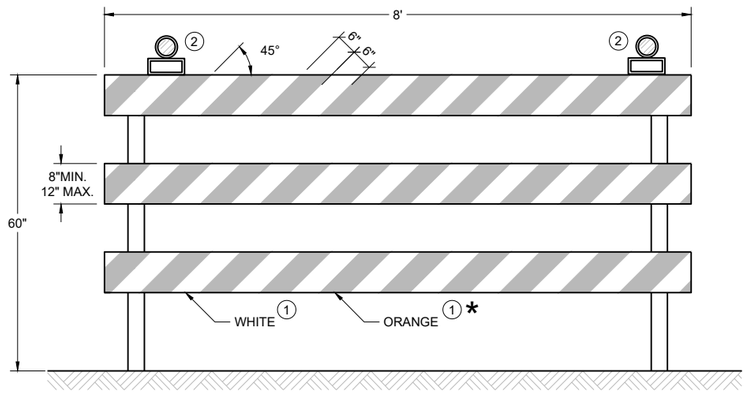
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 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

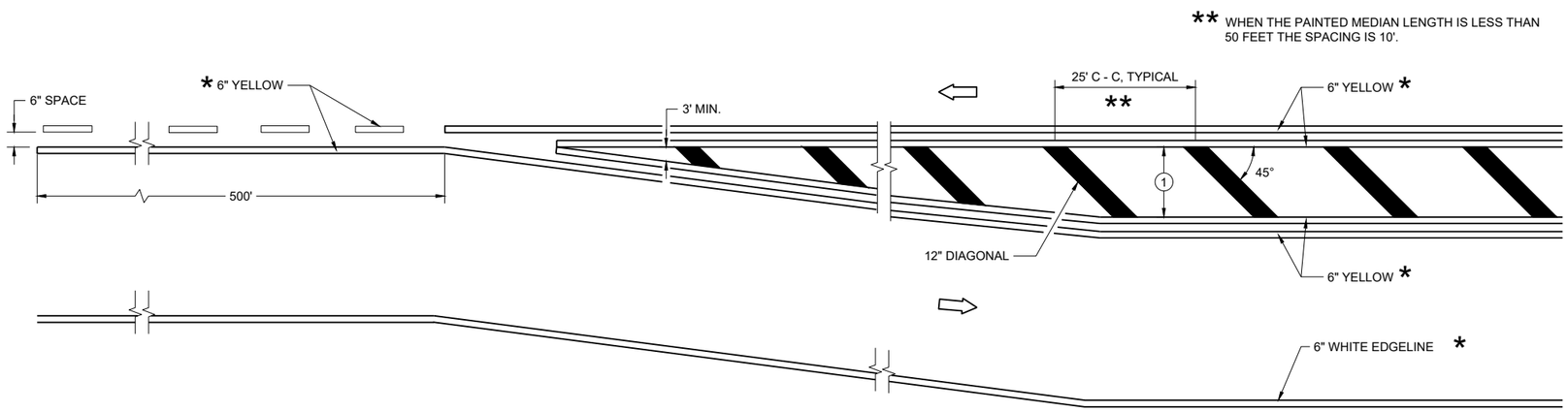
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2026 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15C11-11b



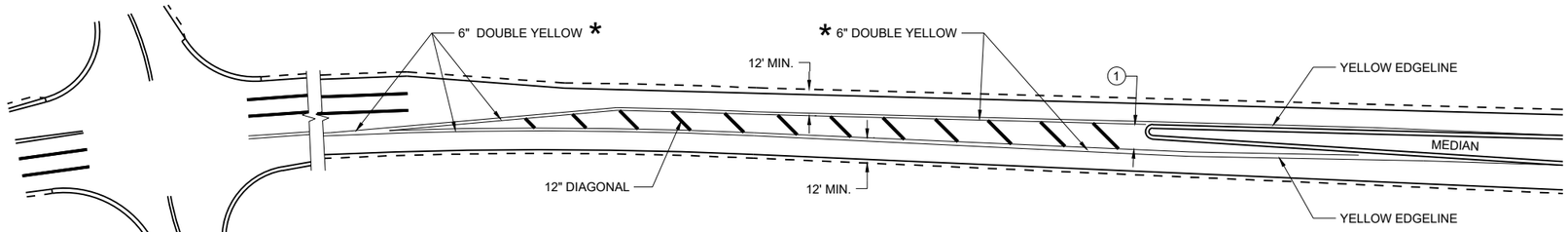
MEDIAN ISLAND DETAIL

GENERAL NOTES

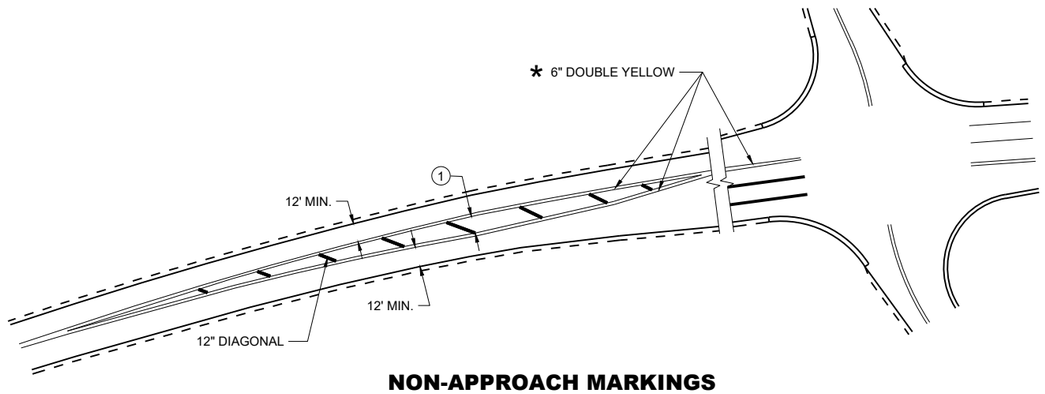
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

⇨ DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

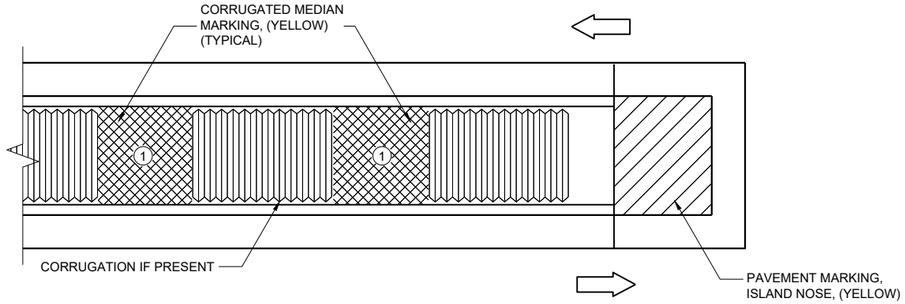
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer
FHWA

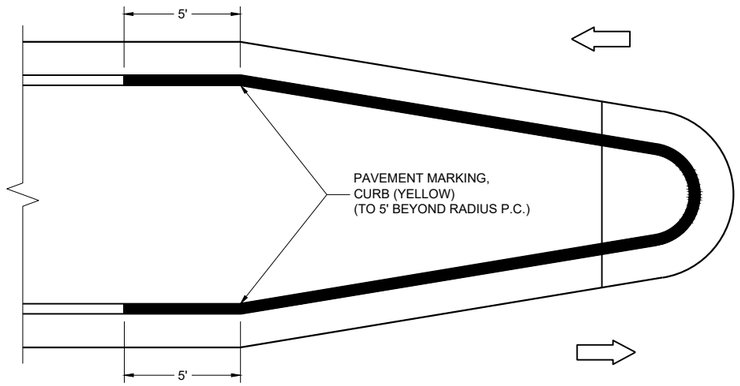
6

SDD 15C18-09a

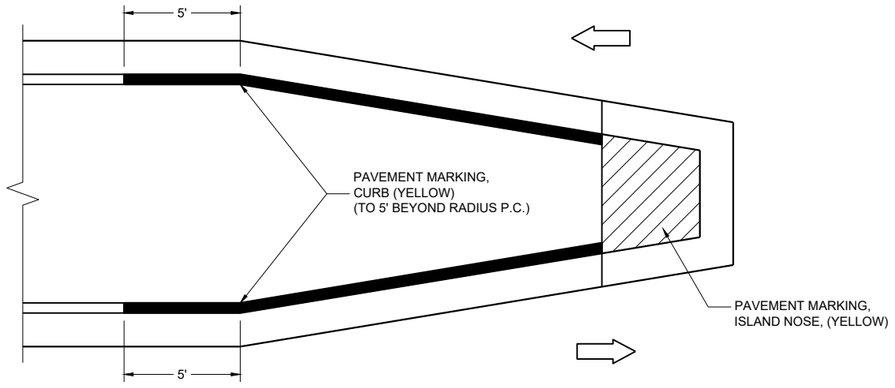
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

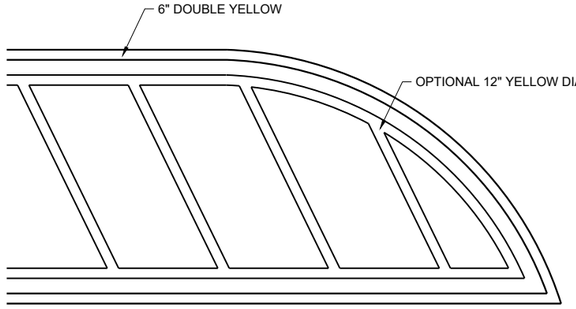
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C18-09b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

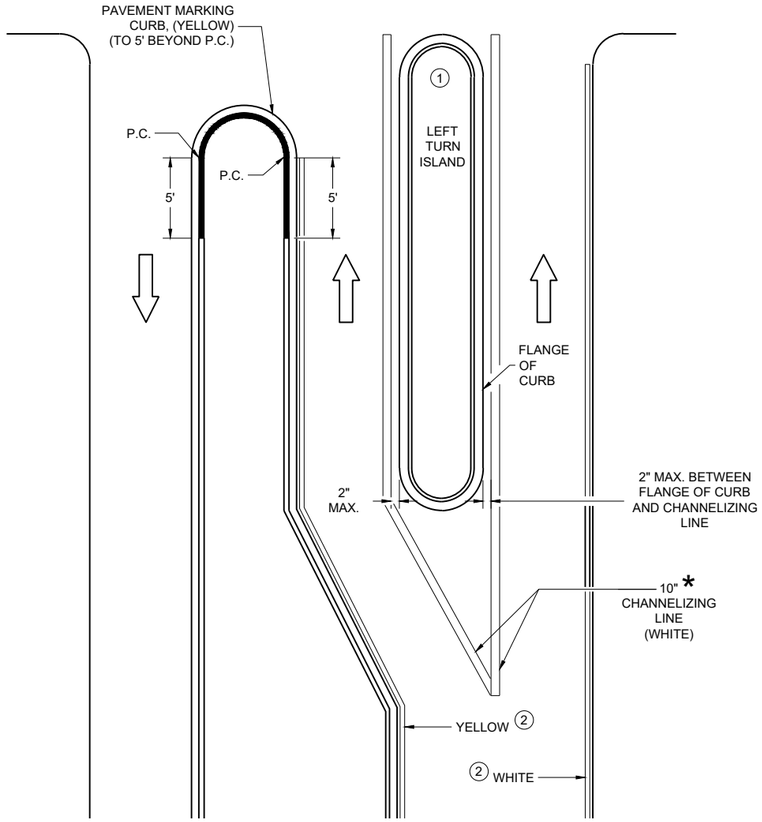
(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

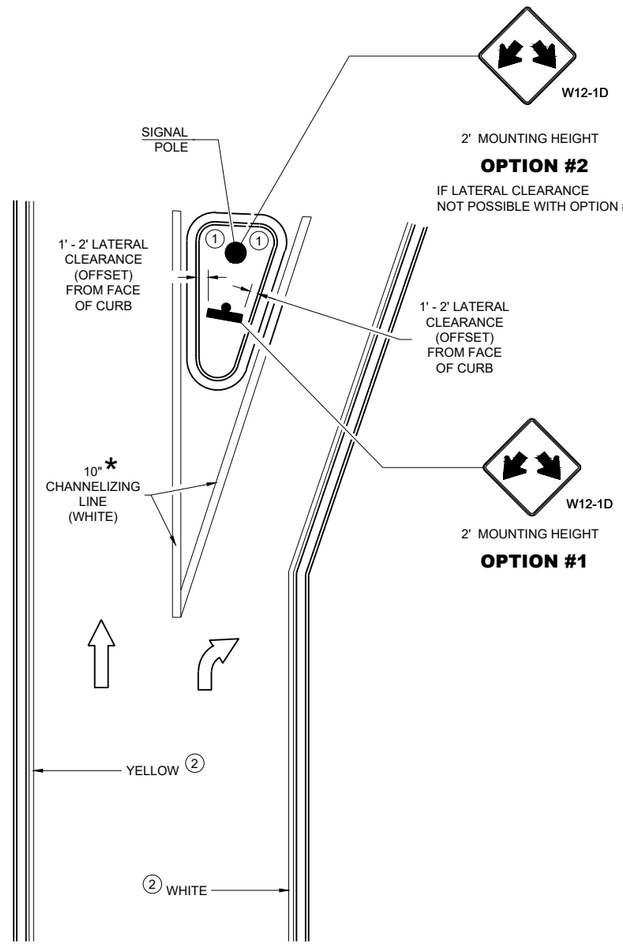
(3) CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

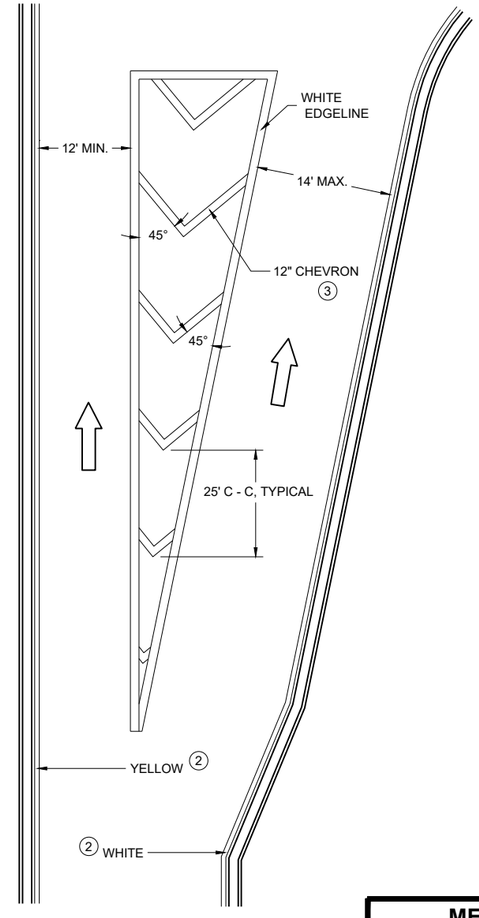
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

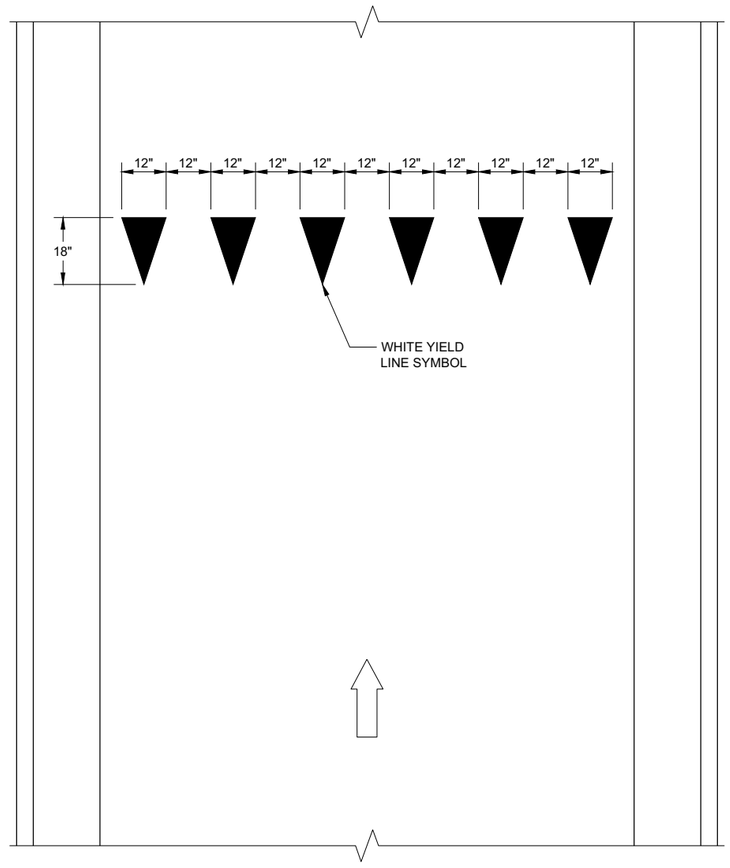
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6
SDD 15C18-09c

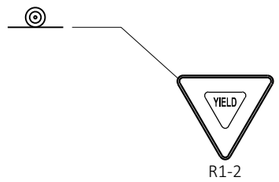


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

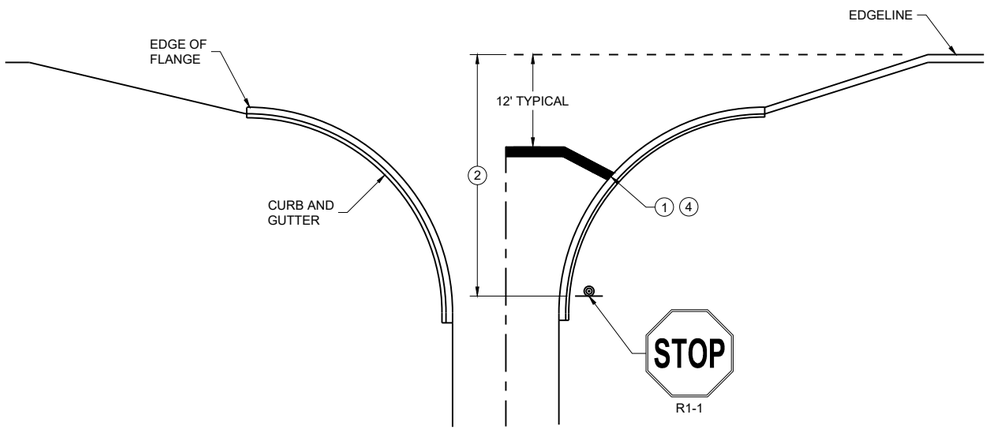
SDD 15C20 - 02

SDD 15C20 - 02

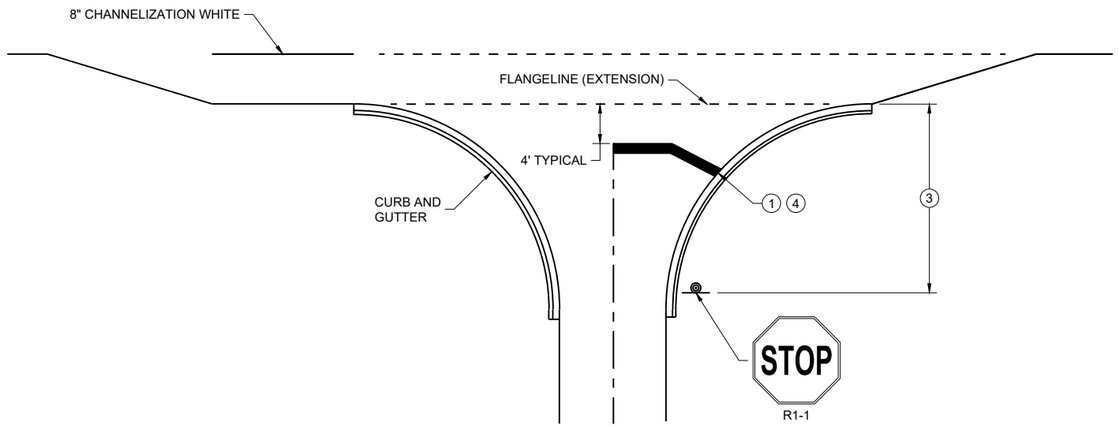
GENERAL NOTES

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

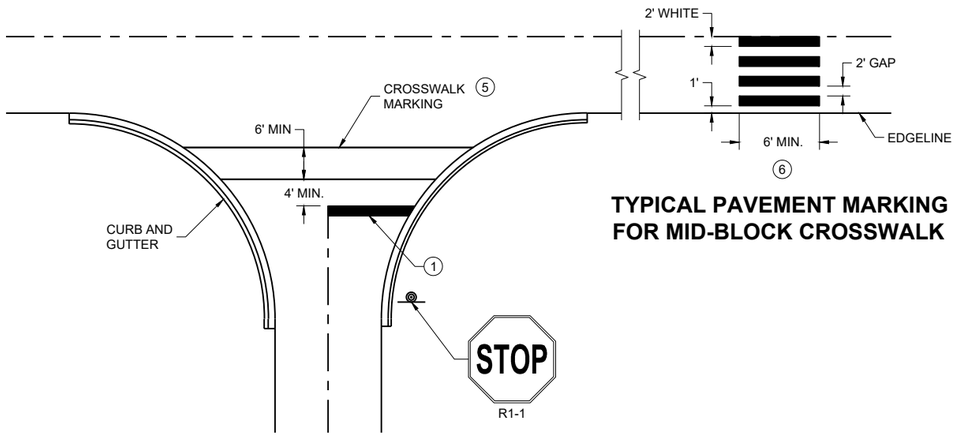
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

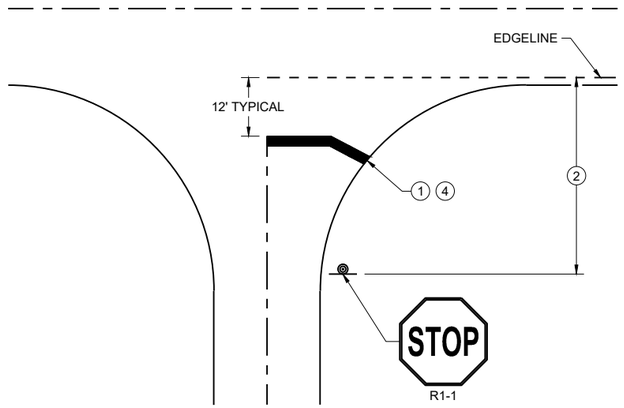


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



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

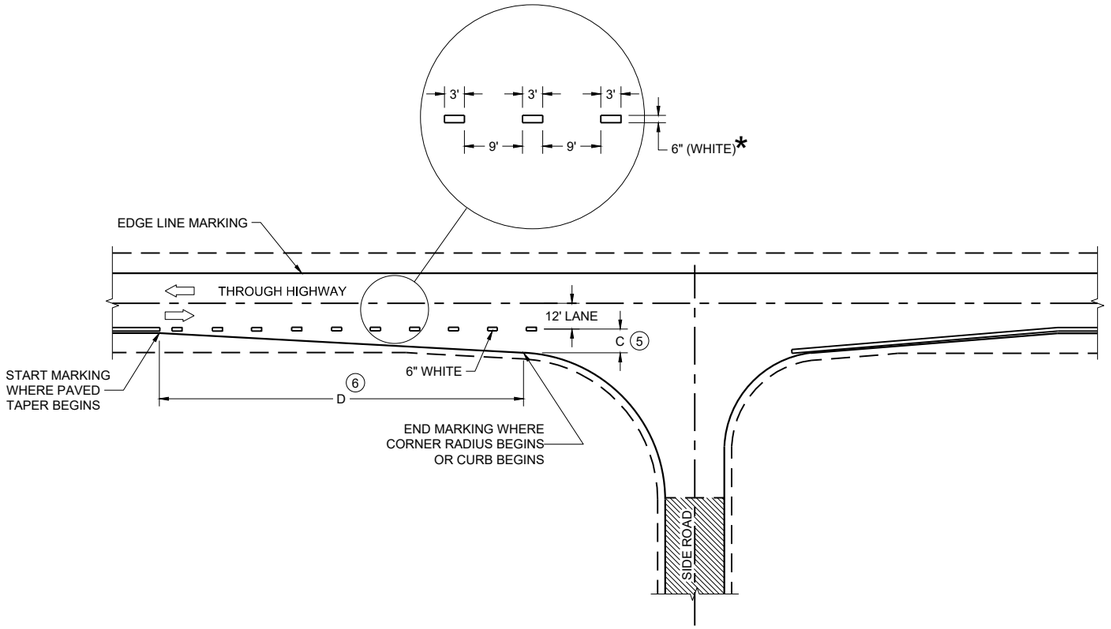
FHWA

6

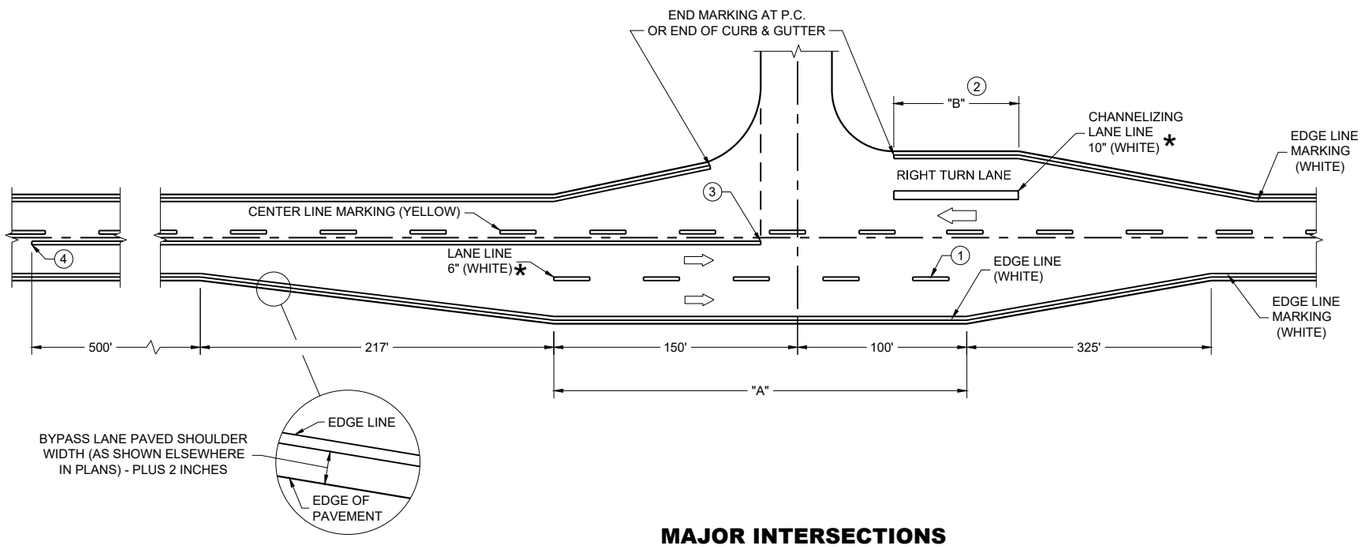
SDD 15C33-05

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

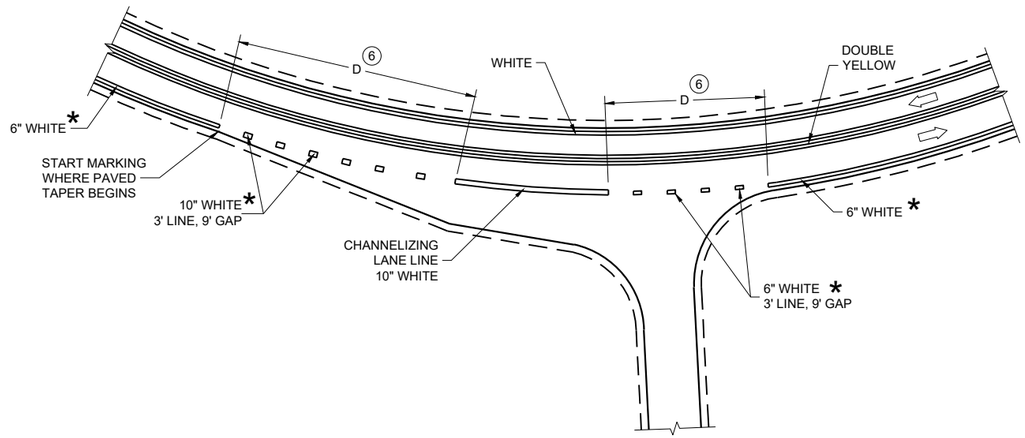
GENERAL NOTES

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

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.

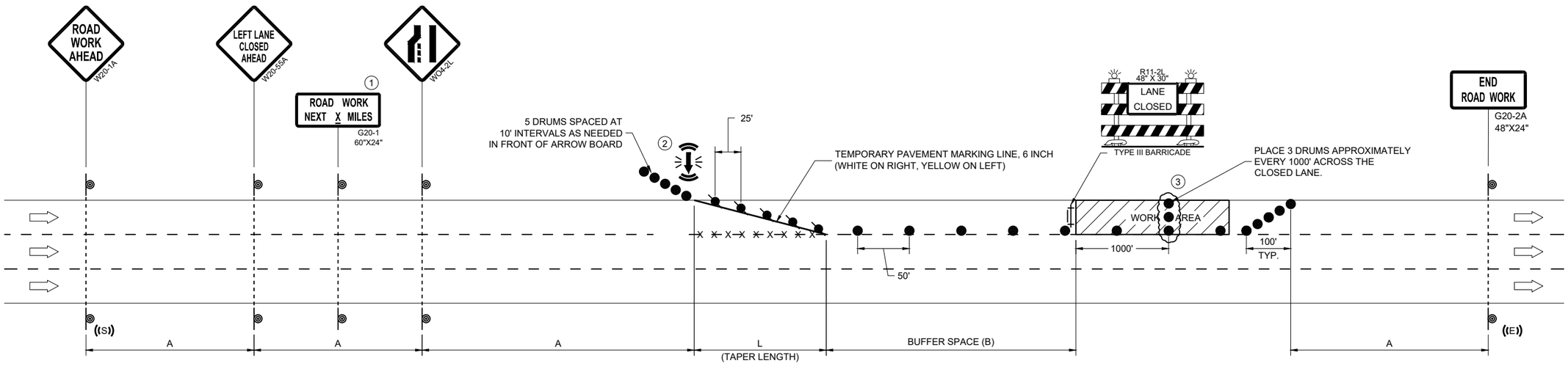
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

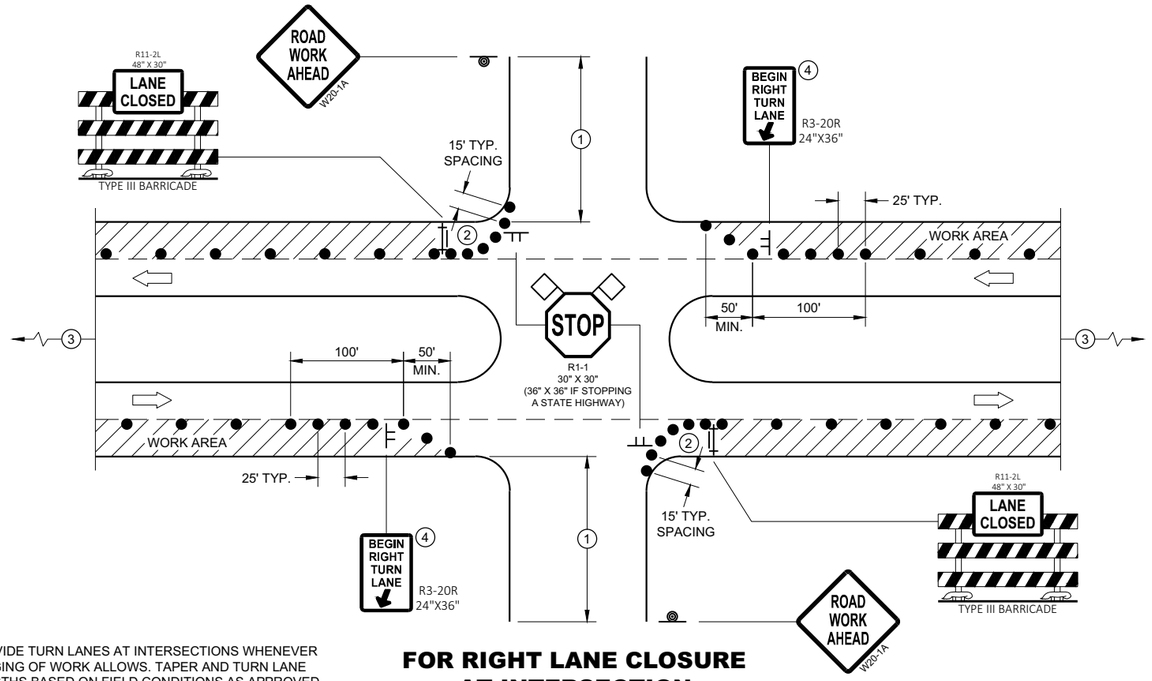


POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	155'
30	200'	180'	200'
35	350'	245'	250'
40	350'	320'	305'
45	500'	540'	360'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

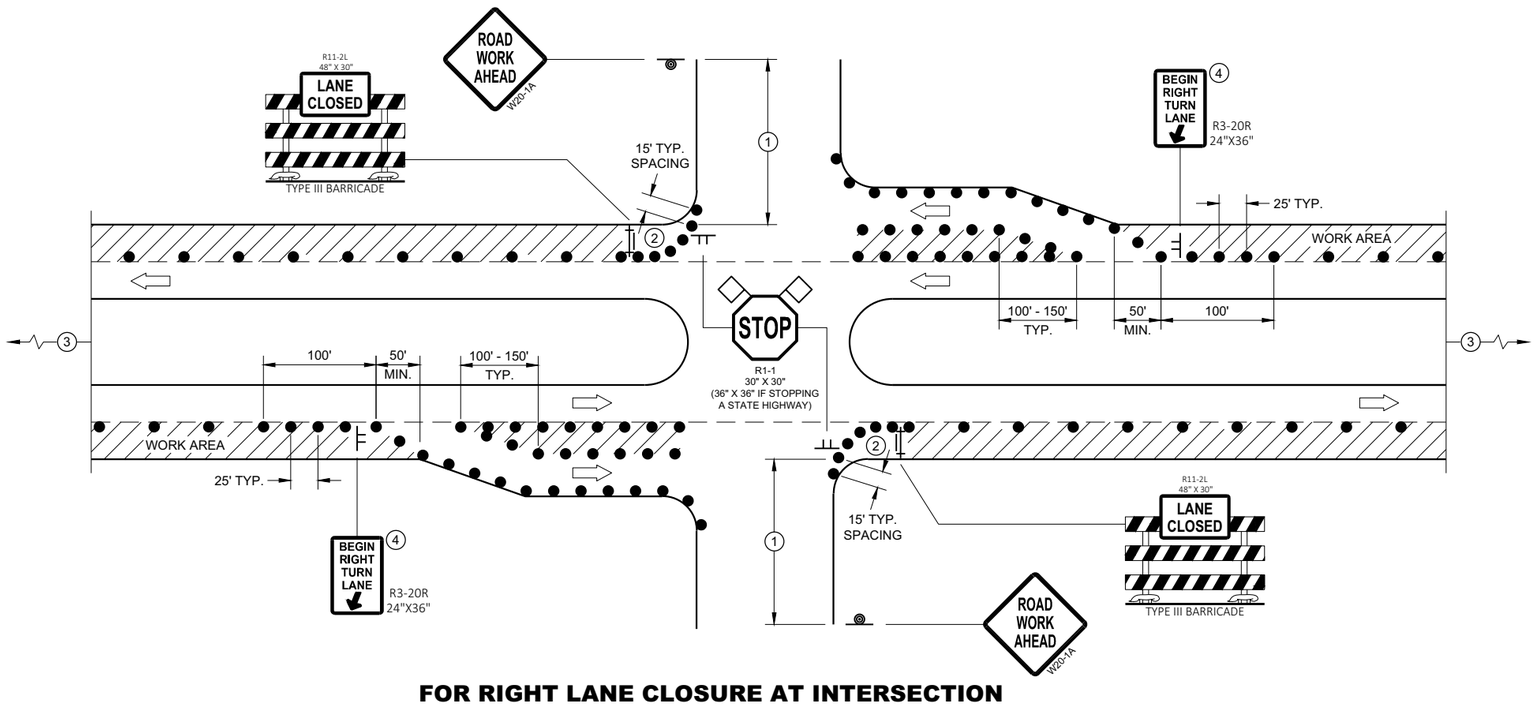
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D20-12a



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

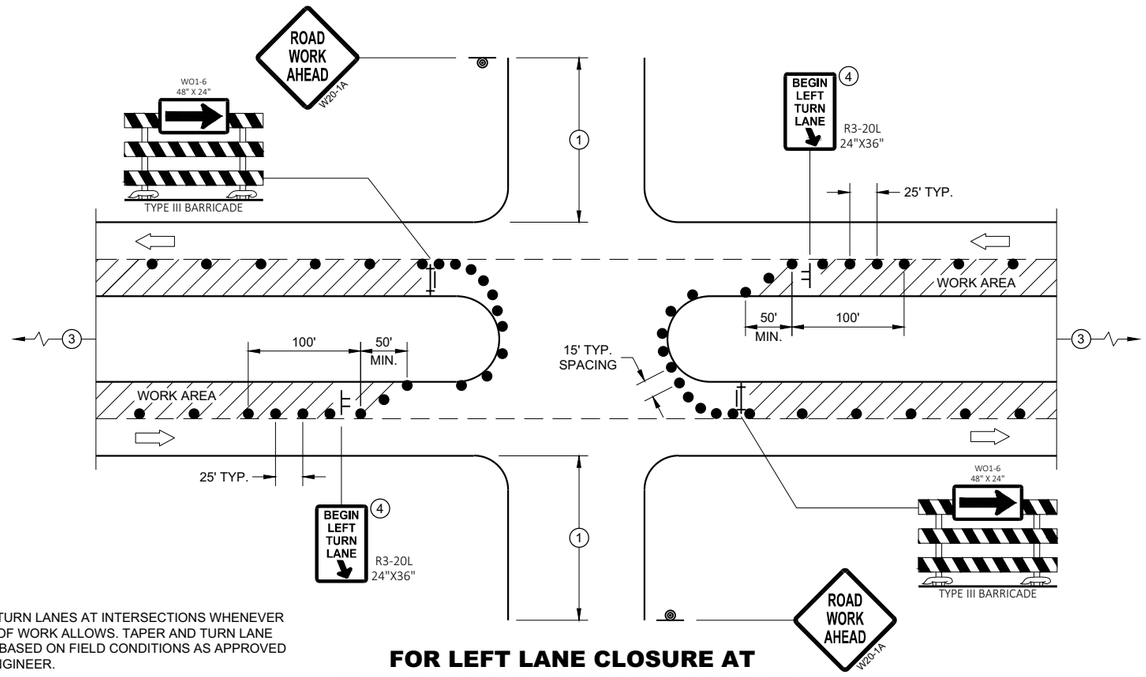
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

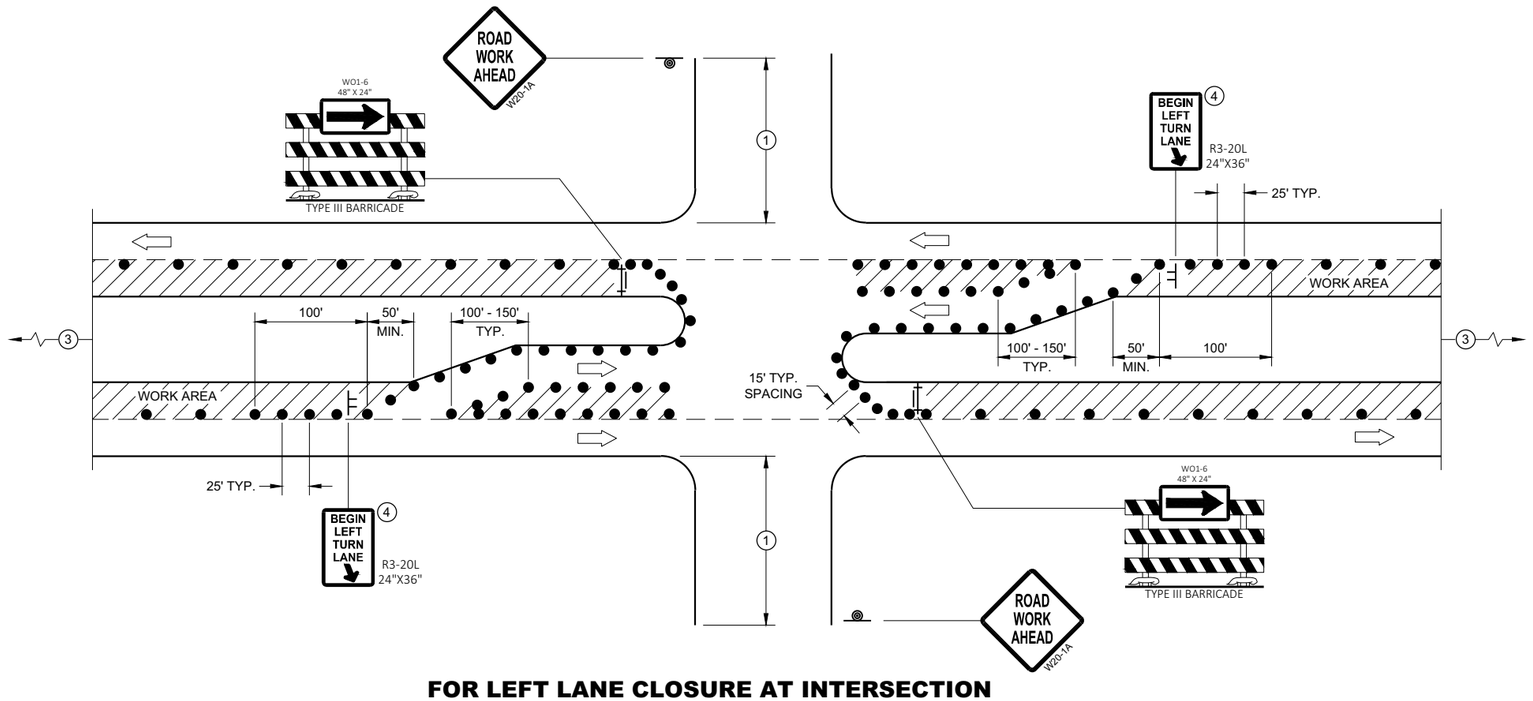
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

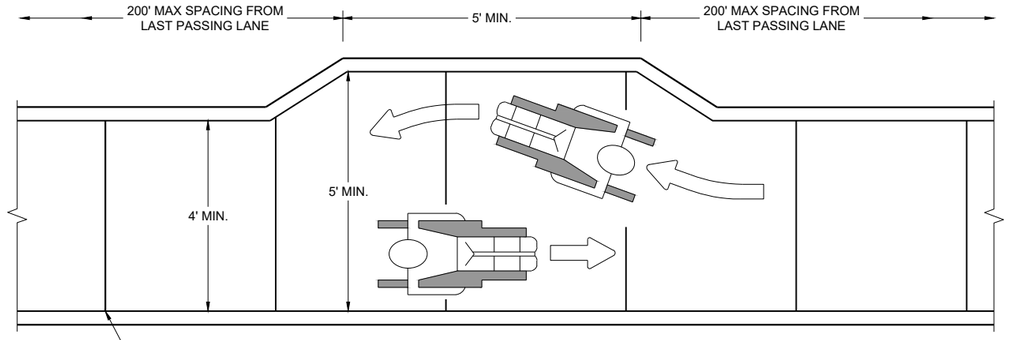
FHWA

6

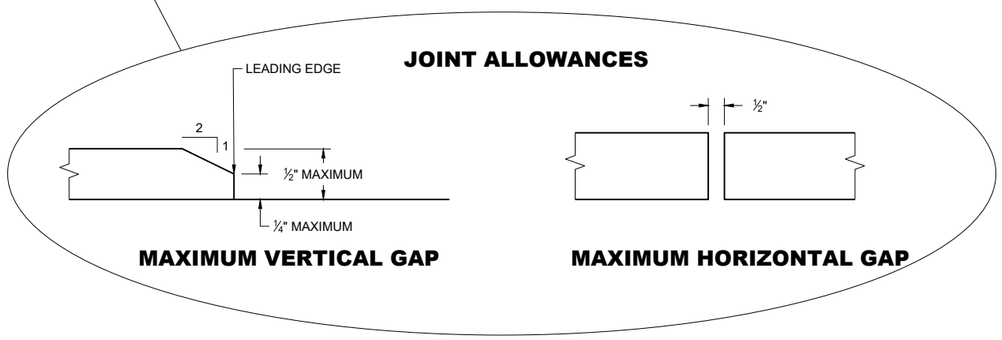
SDD 15D21 - 07b

6

SDD 15D21 - 07b



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

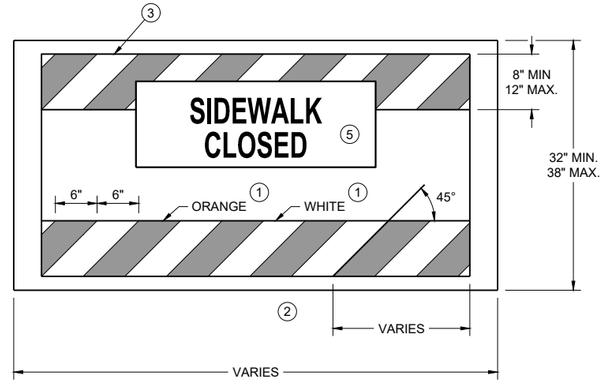
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

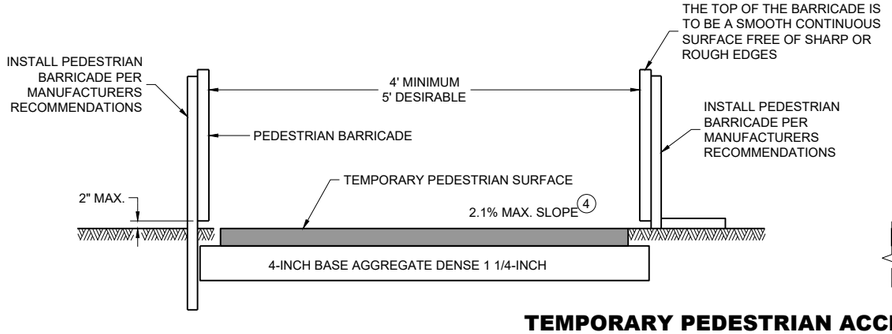
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

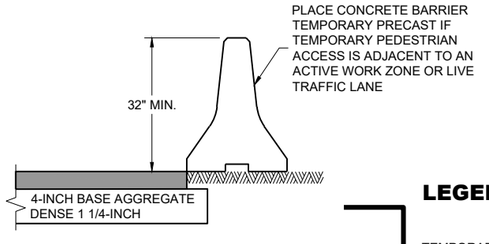
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.

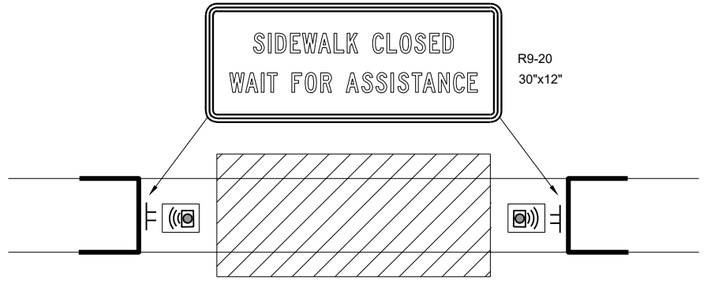


TEMPORARY PEDESTRIAN BARRICADE *





TEMPORARY PEDESTRIAN ACCESS



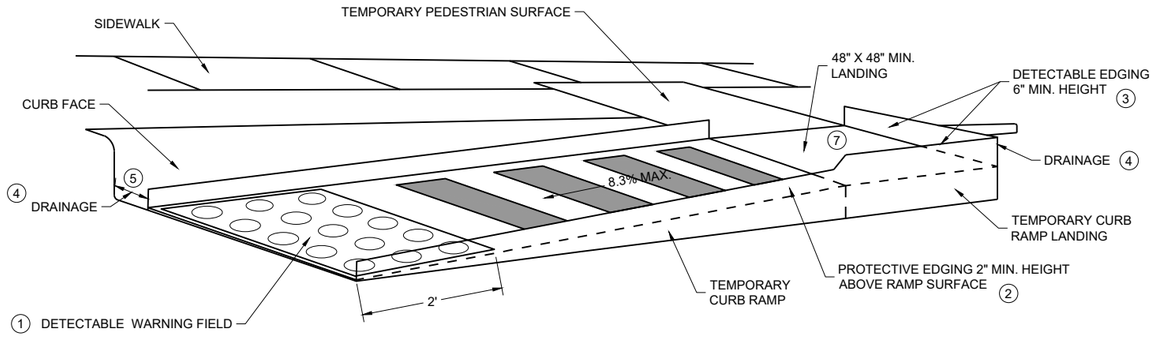
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

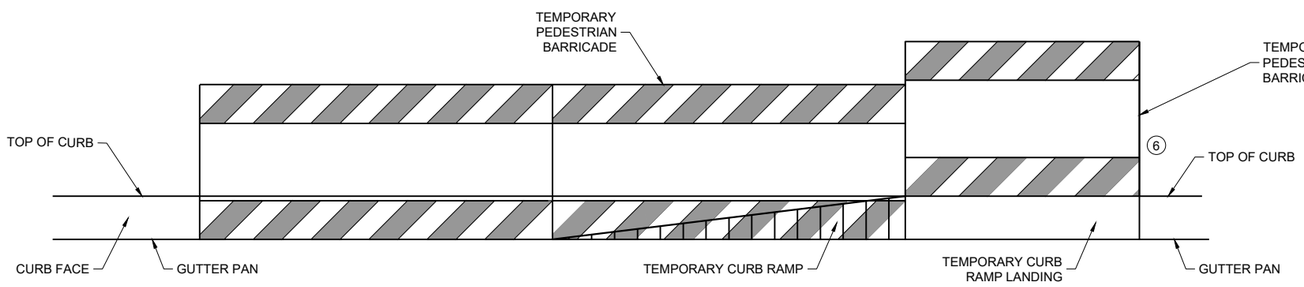
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

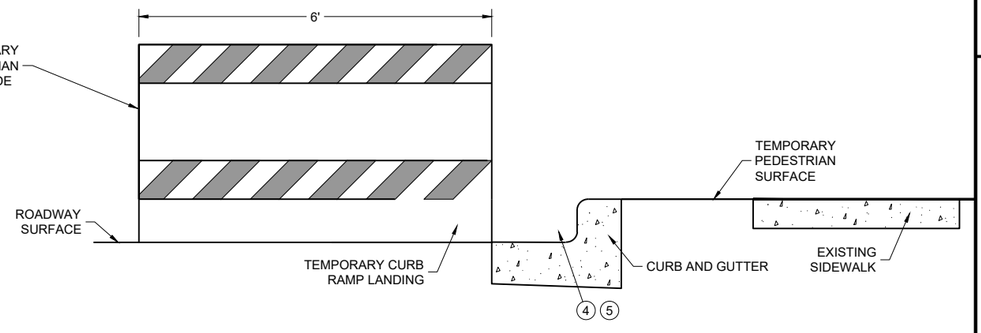
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

6

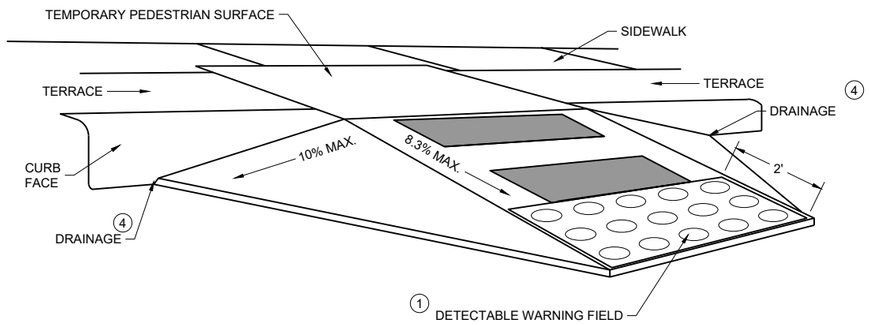
SDD 15D30-12b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

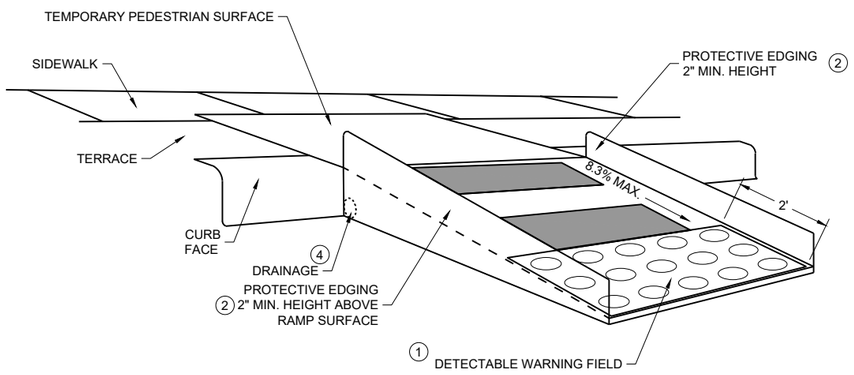
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12b



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.

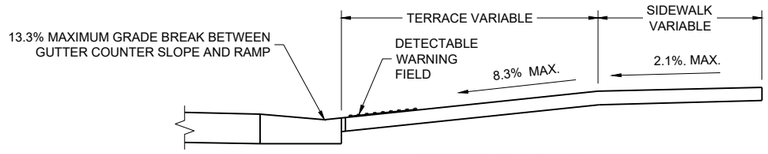
6

SDD 15D30-12c

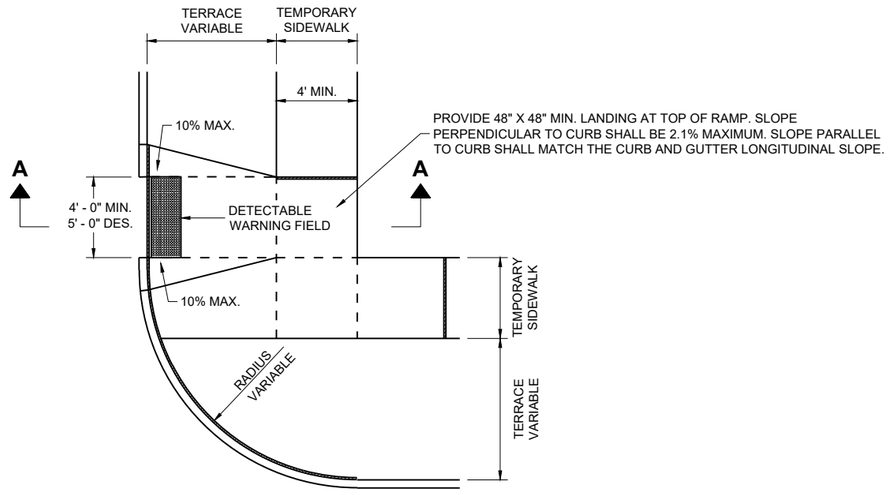
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES



SECTION A - A



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

6

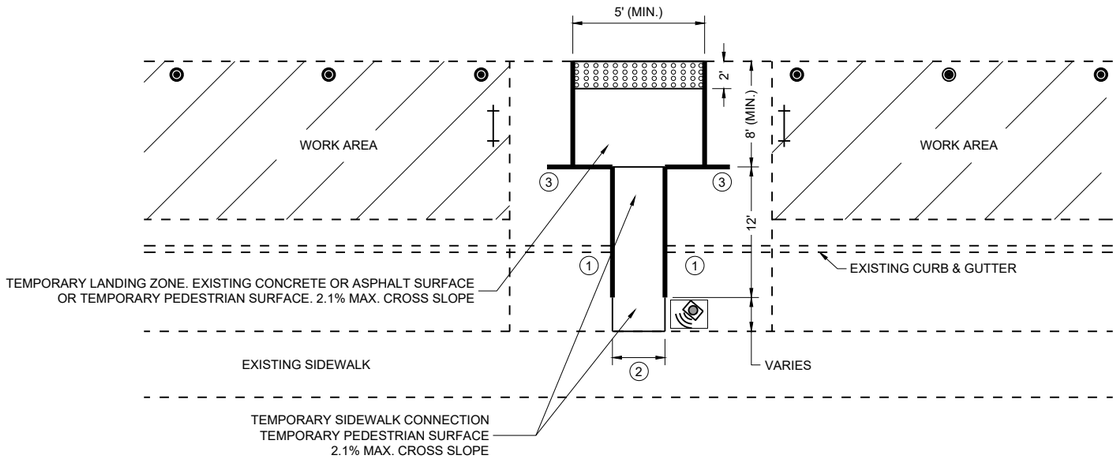
SDD 15D30-12d

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

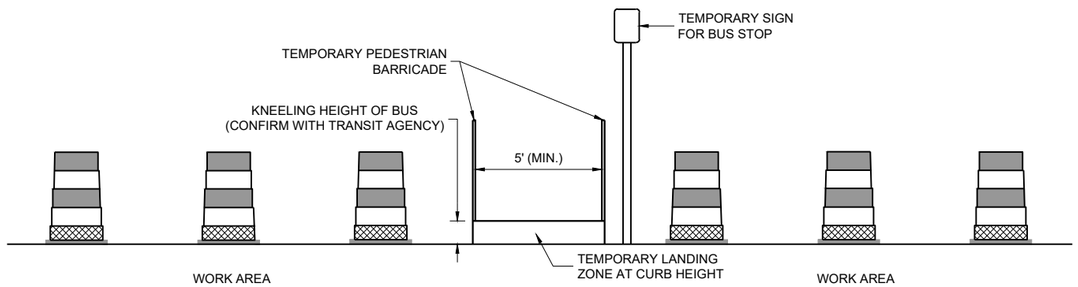
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12d



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

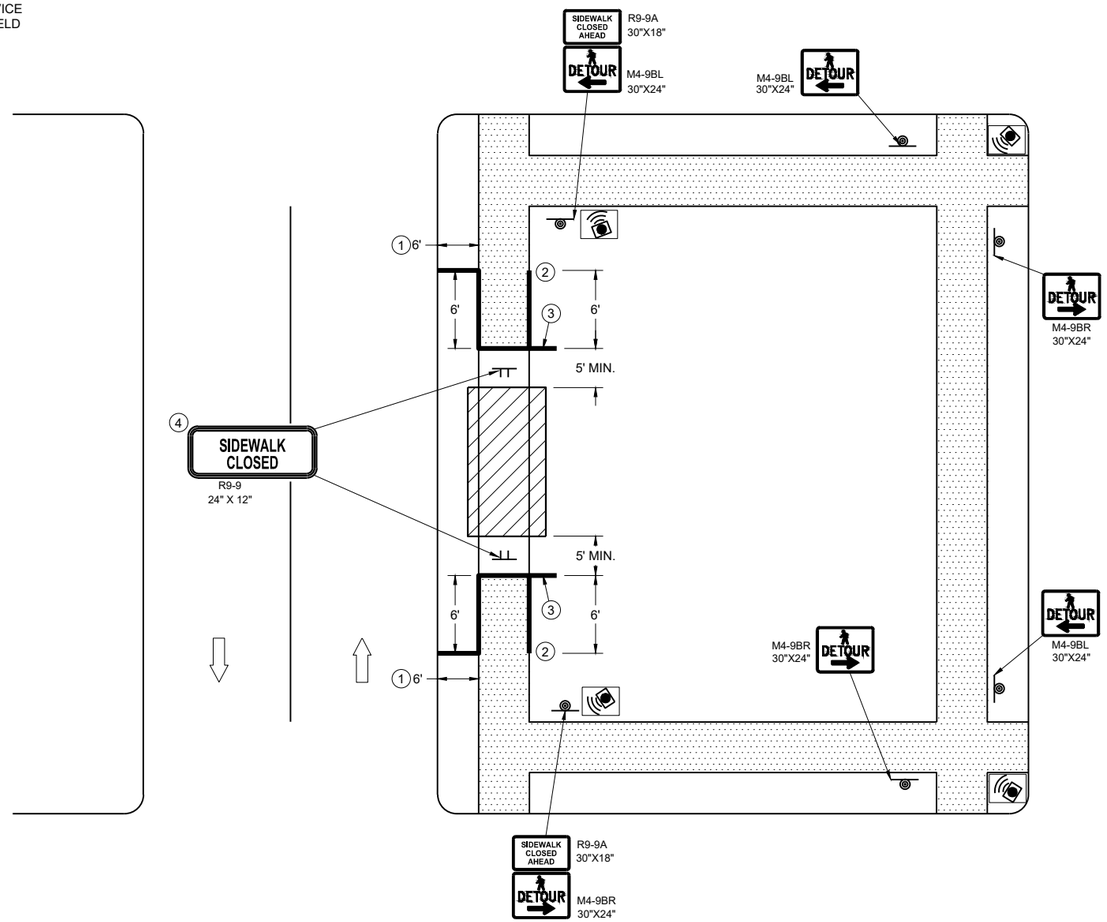
SDD 15D30-12e

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 15D30-12f

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.

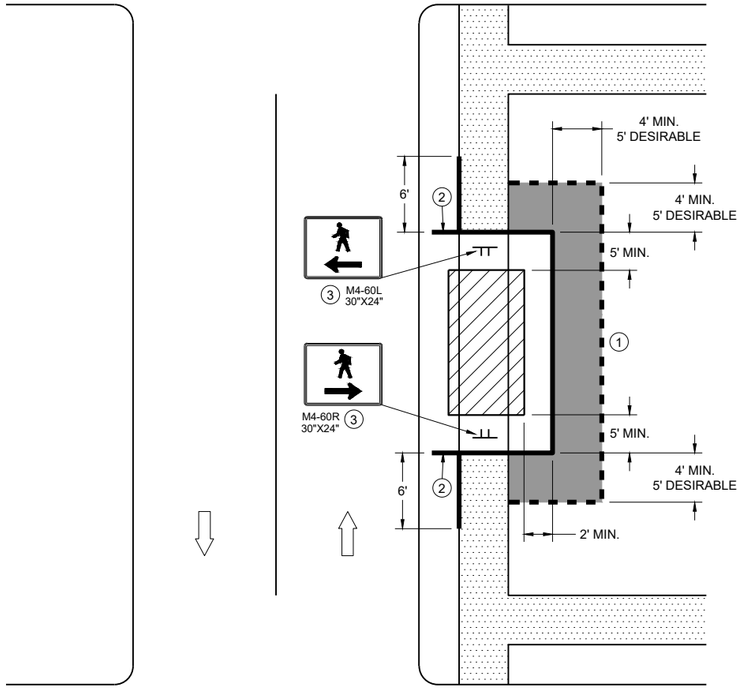
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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 15D30-12g

6

SDD 15D30-12g

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.

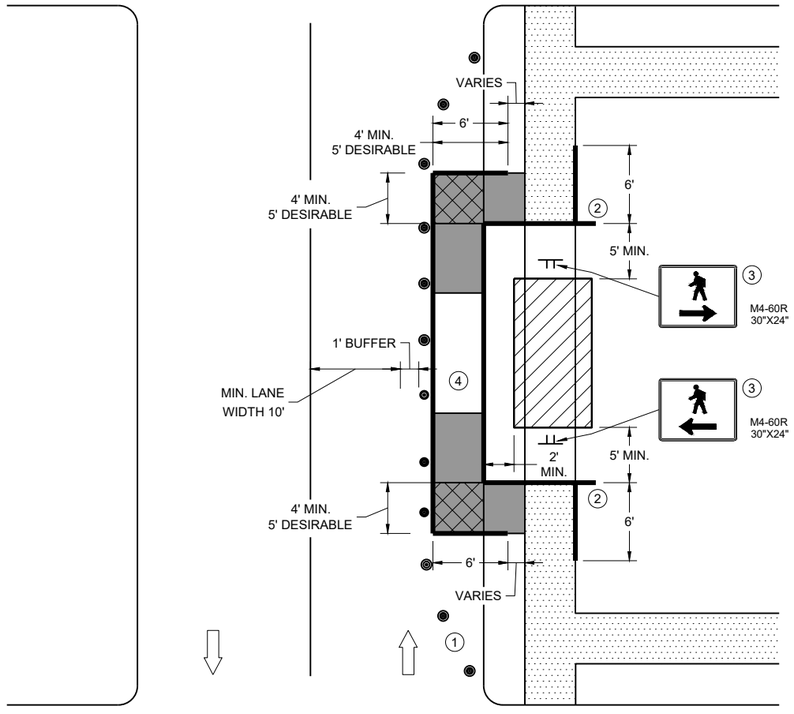
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(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

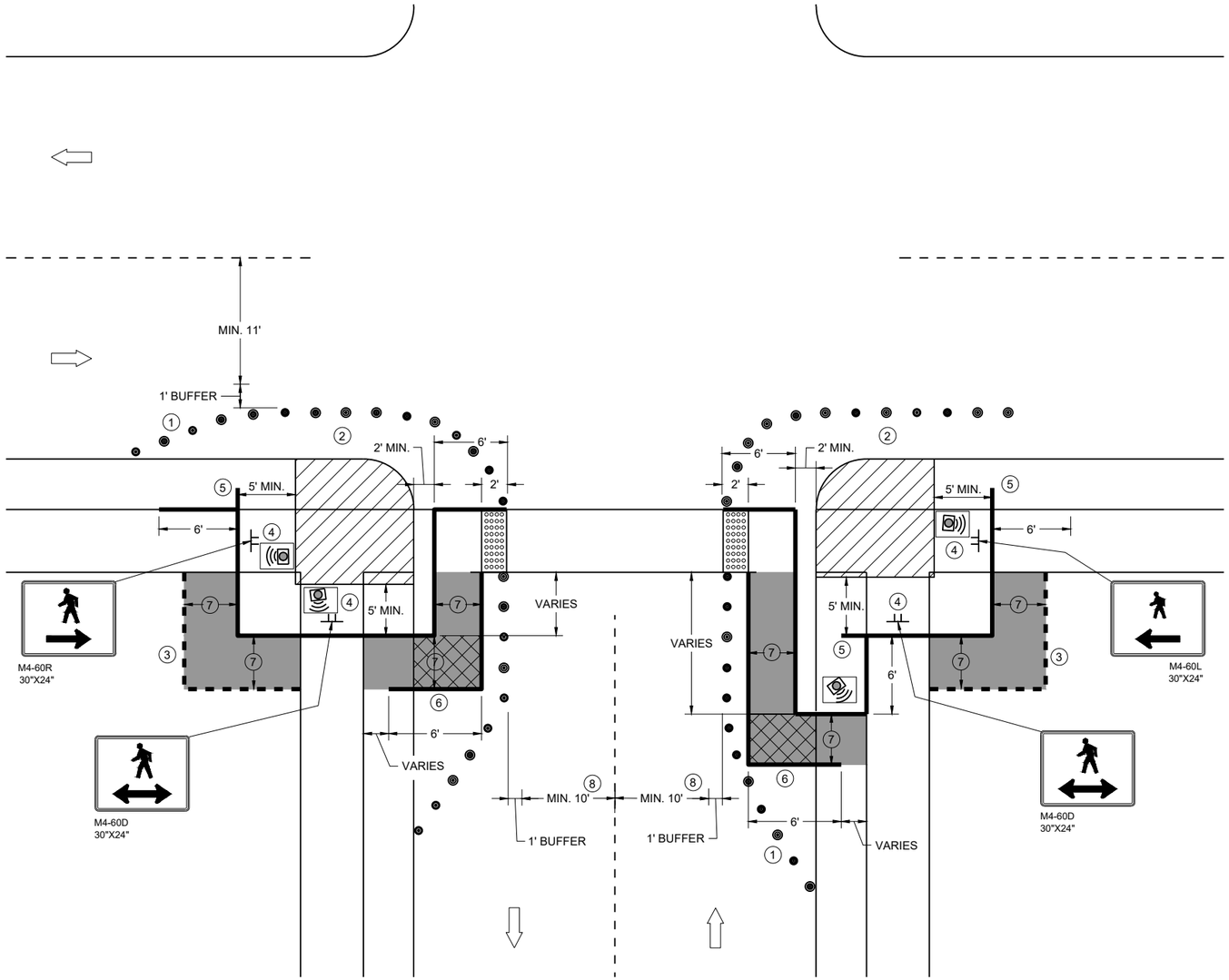
SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12h



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

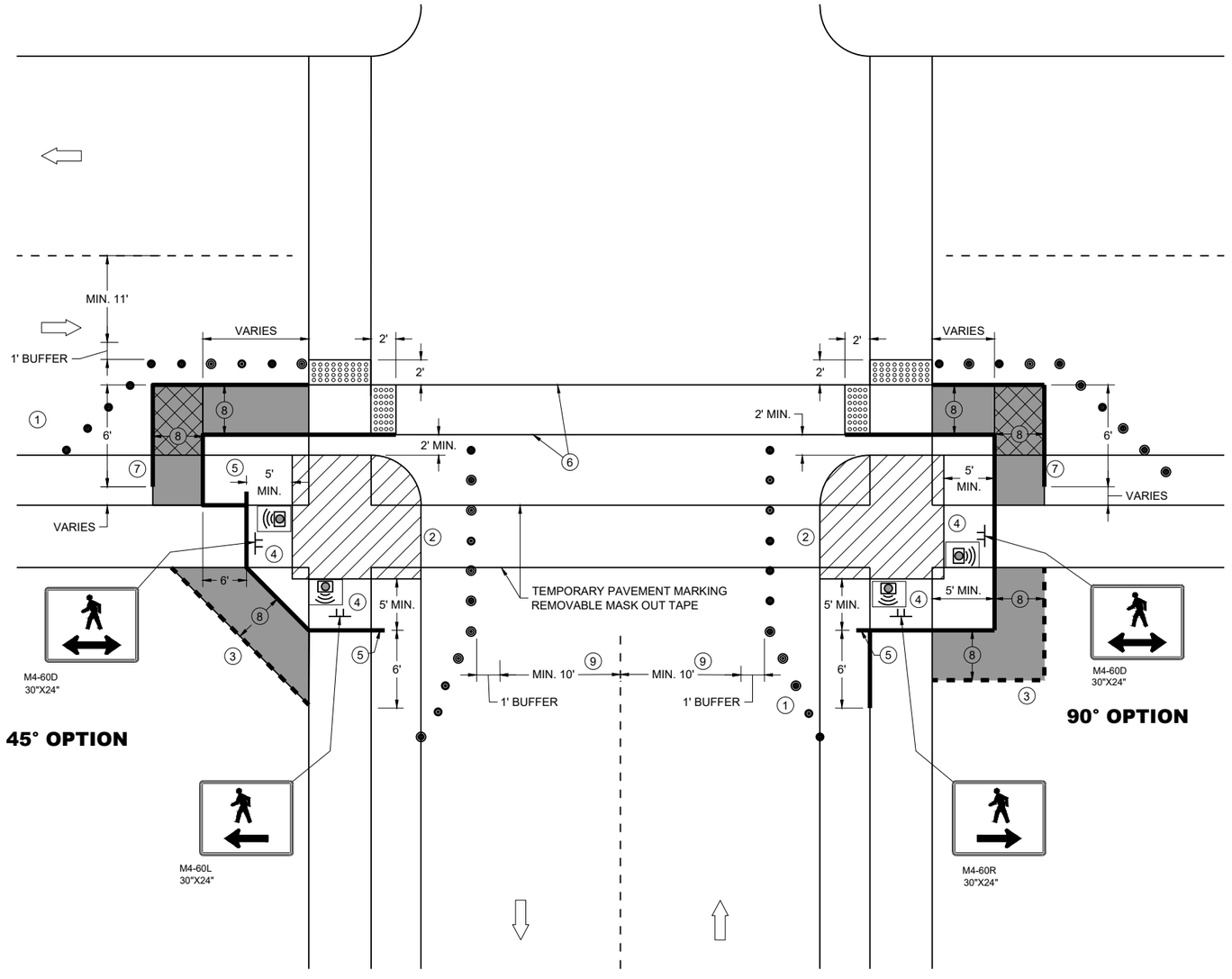
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

SDD 15D30-12i

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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)

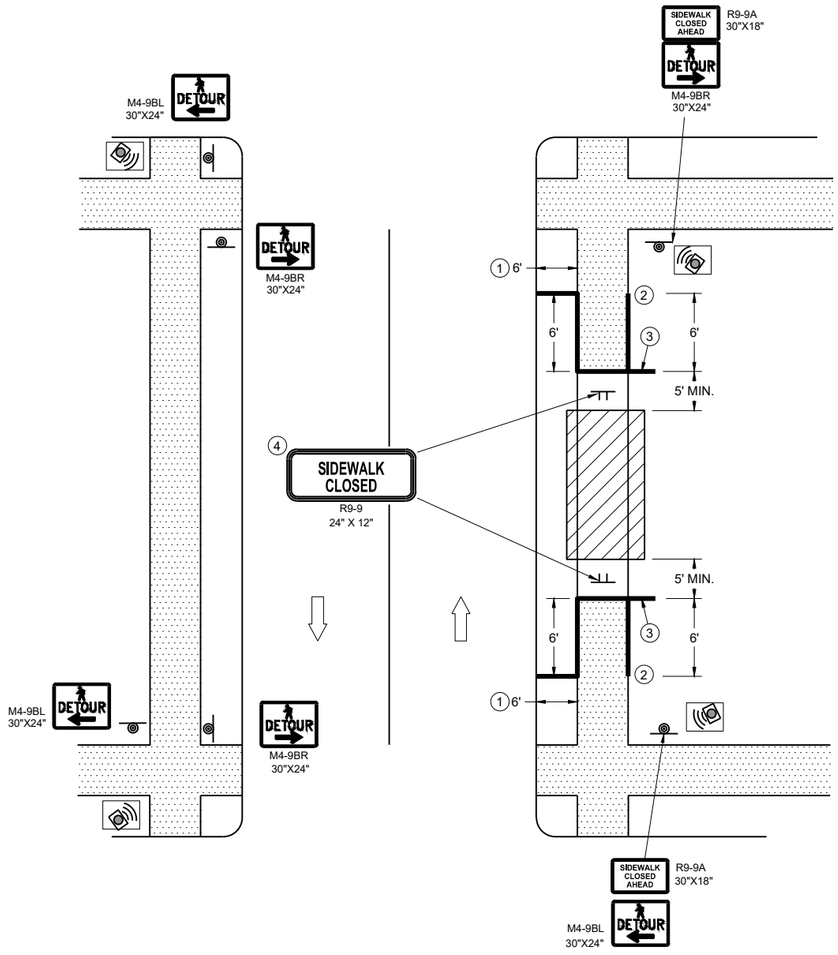
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

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

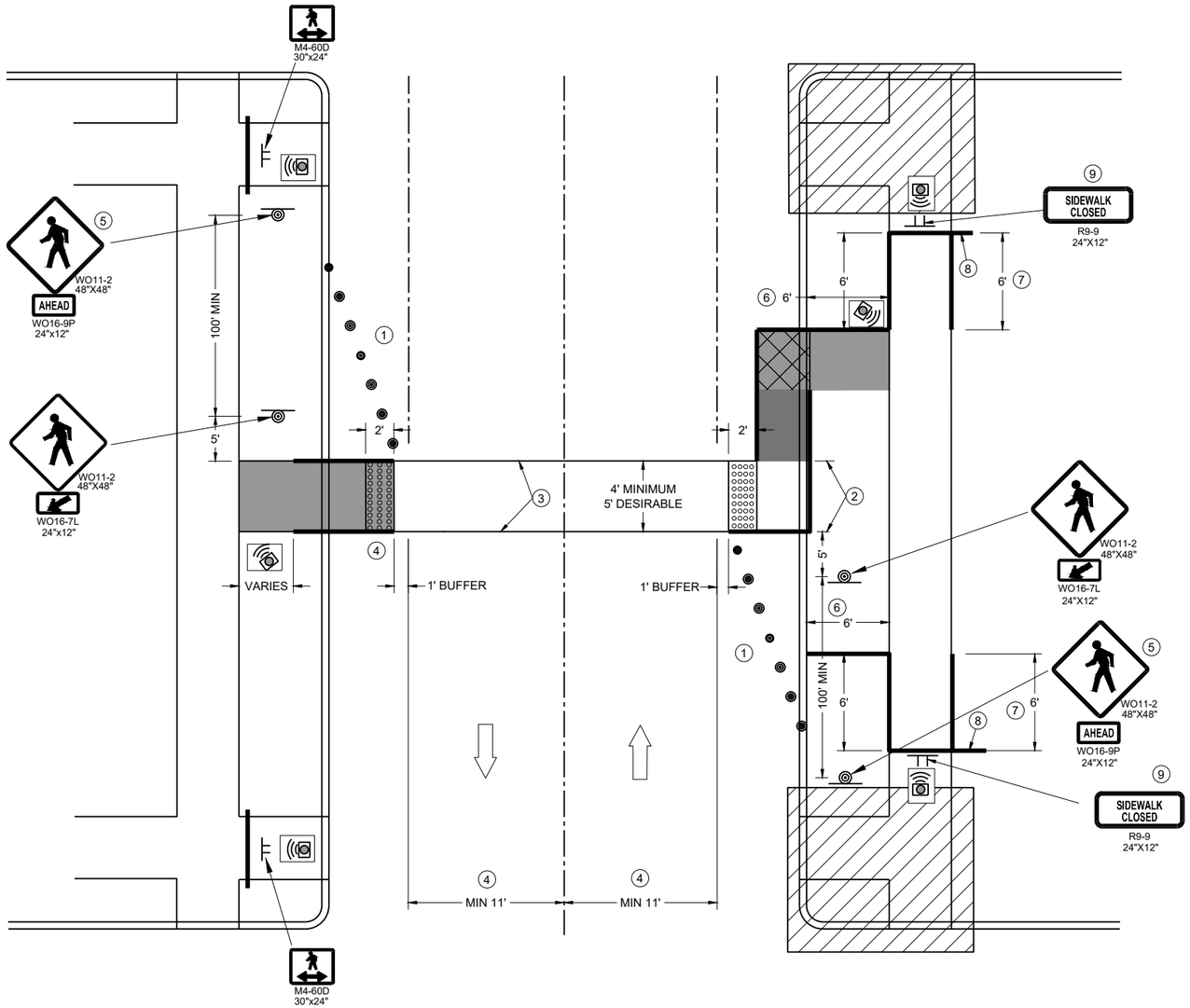
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

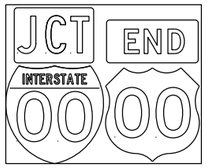
FHWA

6
SDD 15D30-12I

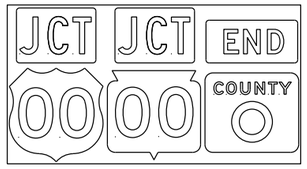
TYPICAL ASSEMBLIES



J1-1



J1-2



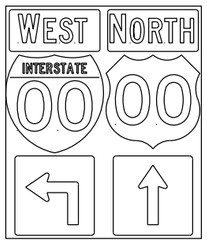
J1-3



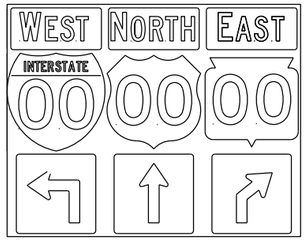
JR1-1



J2-1



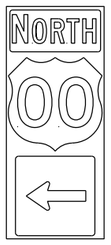
J2-2



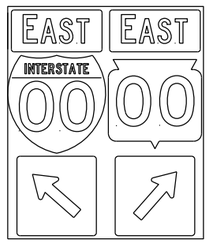
J2-3



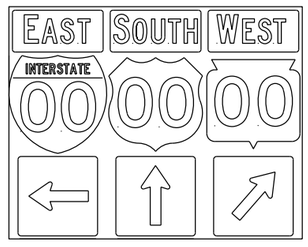
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



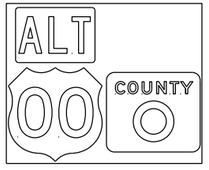
J3-2



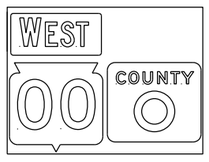
J3-3



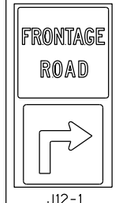
J4-1



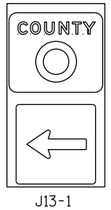
J4-2



J4-2



J12-1



J13-1



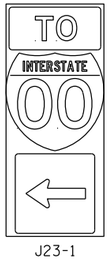
J32-1



J33-1



J22-1



J23-1



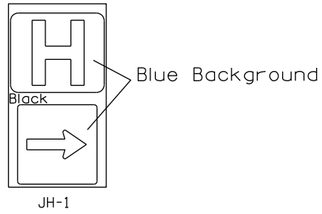
JR13-1



JR23-1



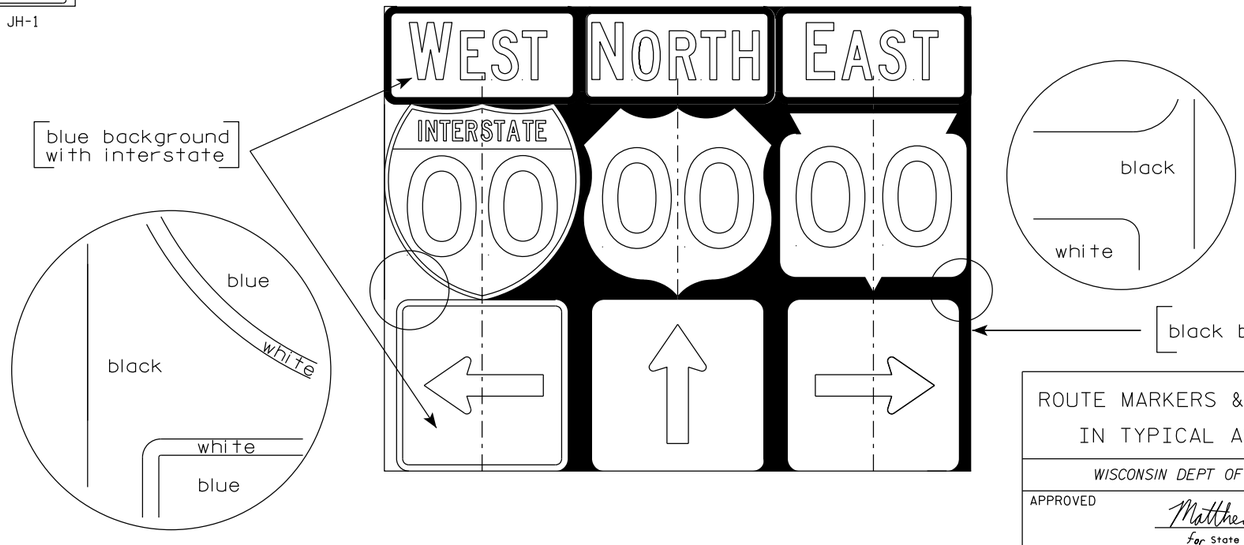
JR99-1



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

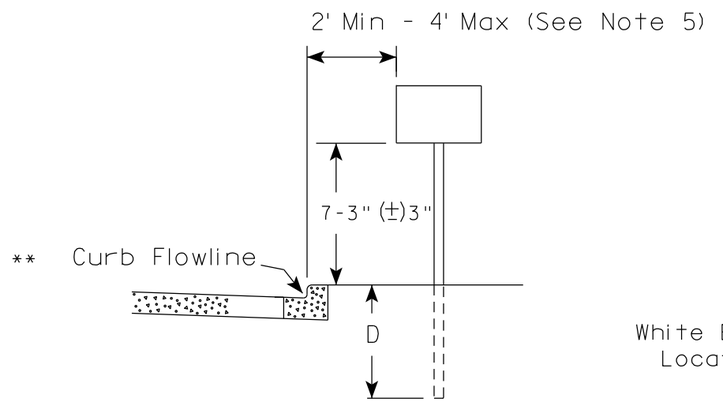
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

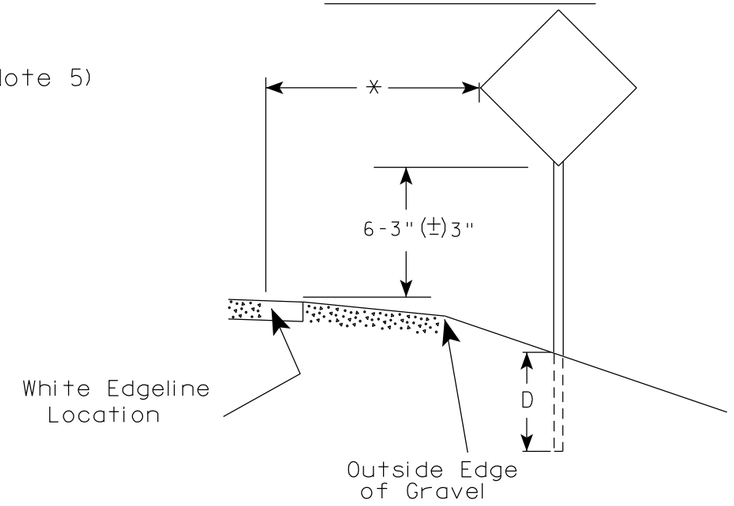
PROJECT NO:

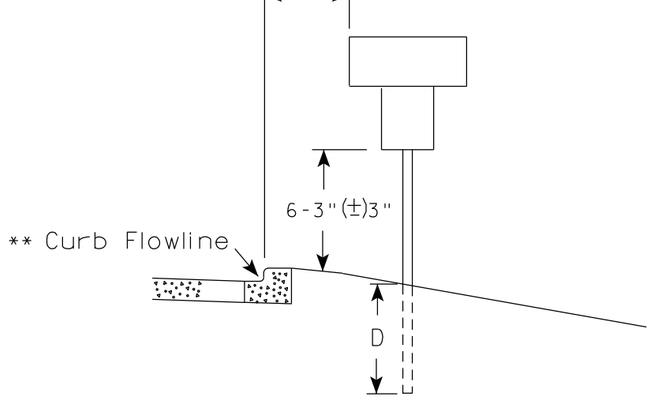
SHEET NO: 274 E

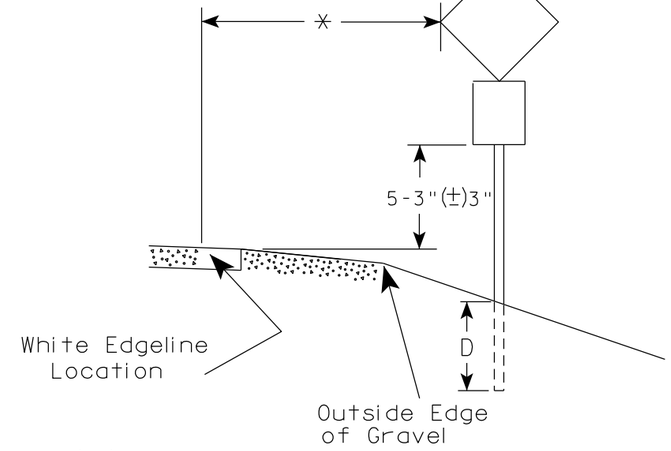
URBAN AREA



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.

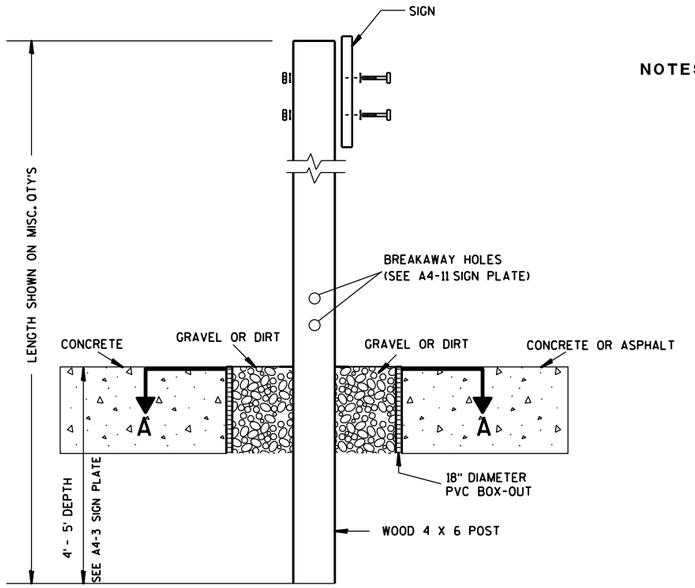
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

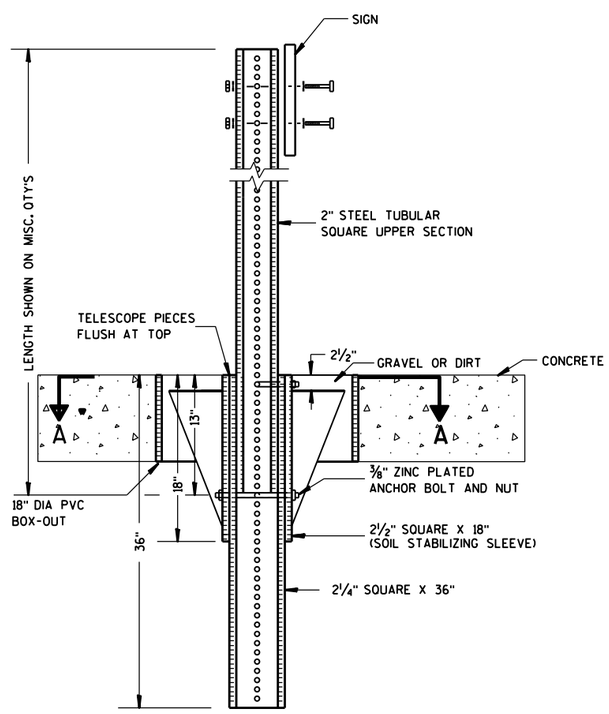
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 275	E



ELEVATION VIEW

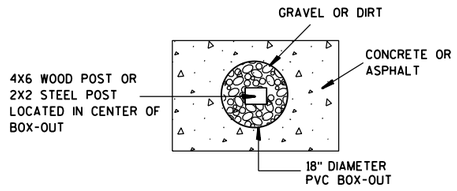
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

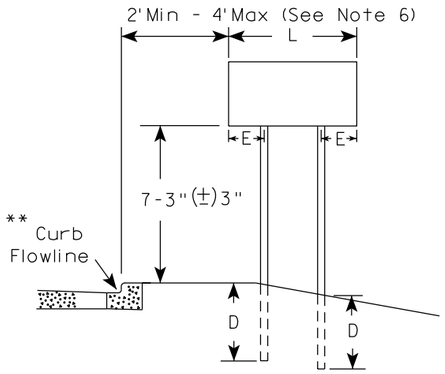
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

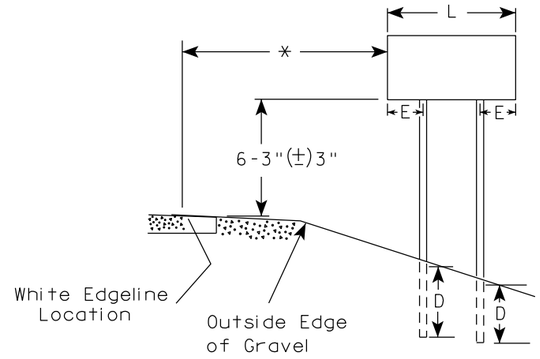
DATE 1/27/14 PLATE NO. A4-3B.1

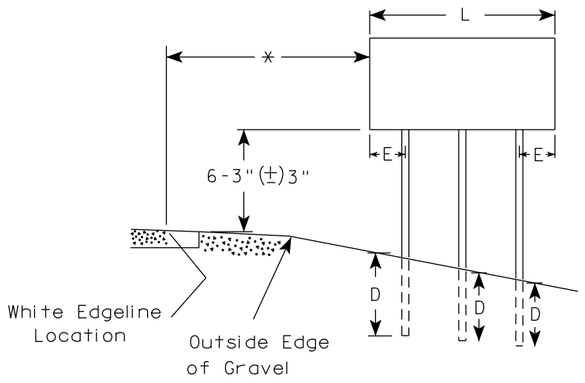
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

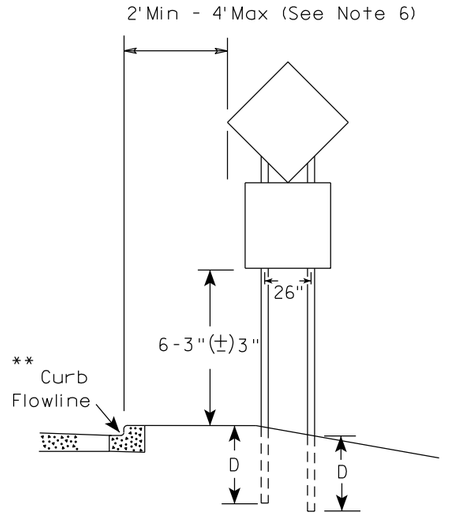
URBAN AREA



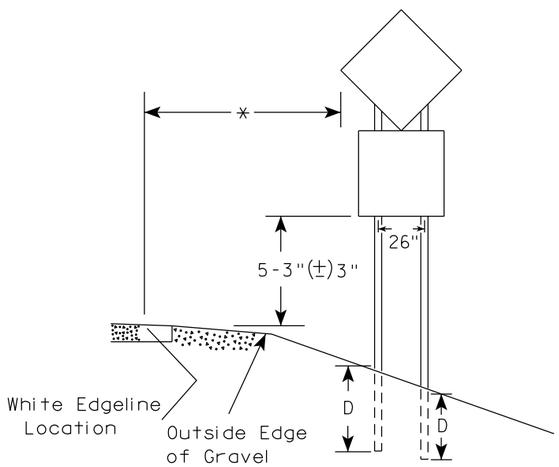
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

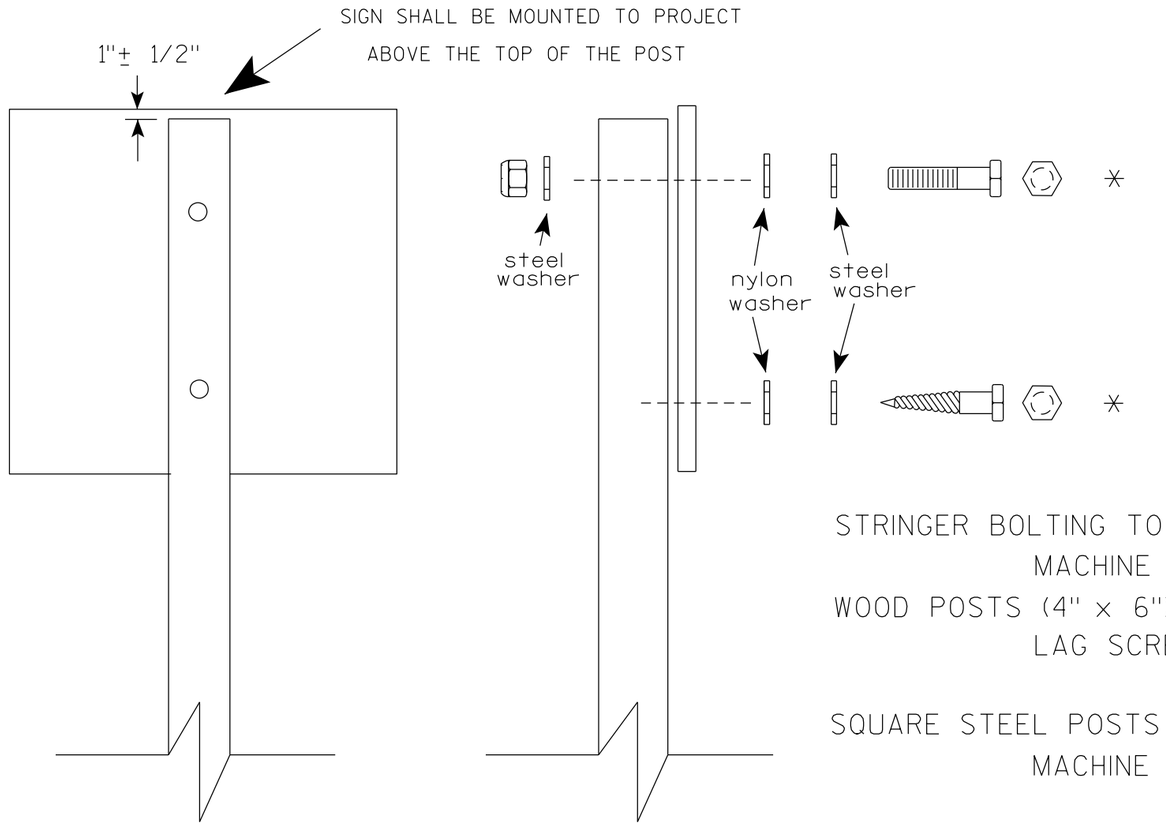
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E



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

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

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

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

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

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS TO POSTS

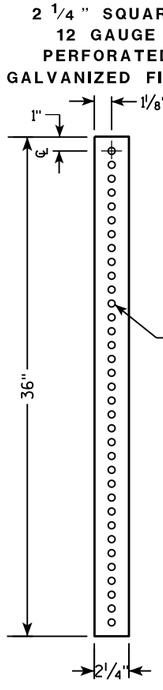
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

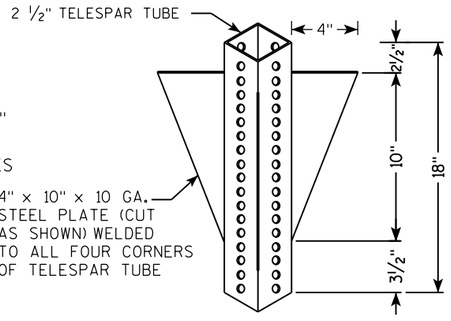
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

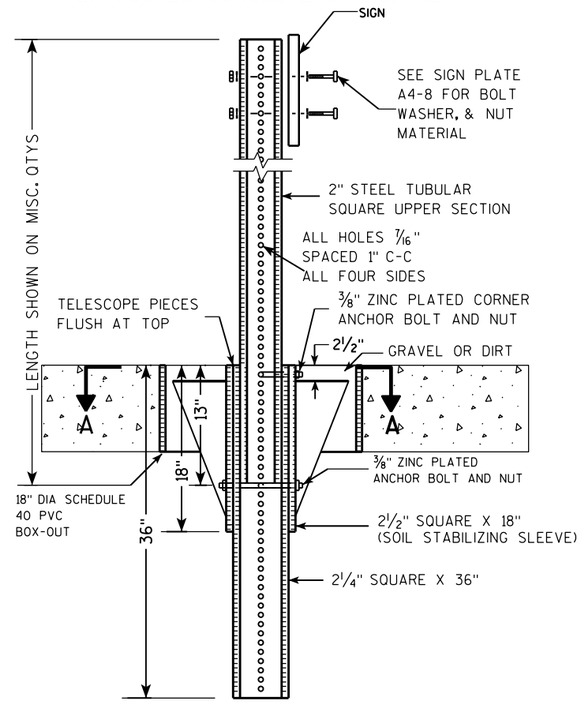
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



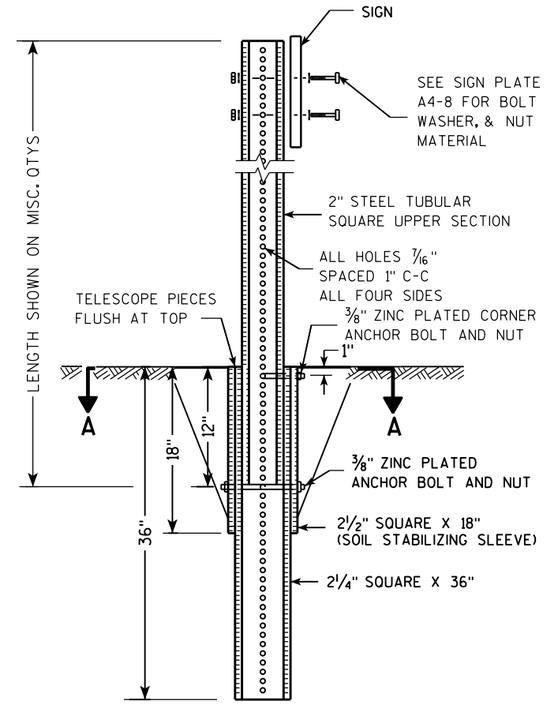
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

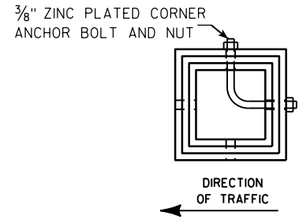


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

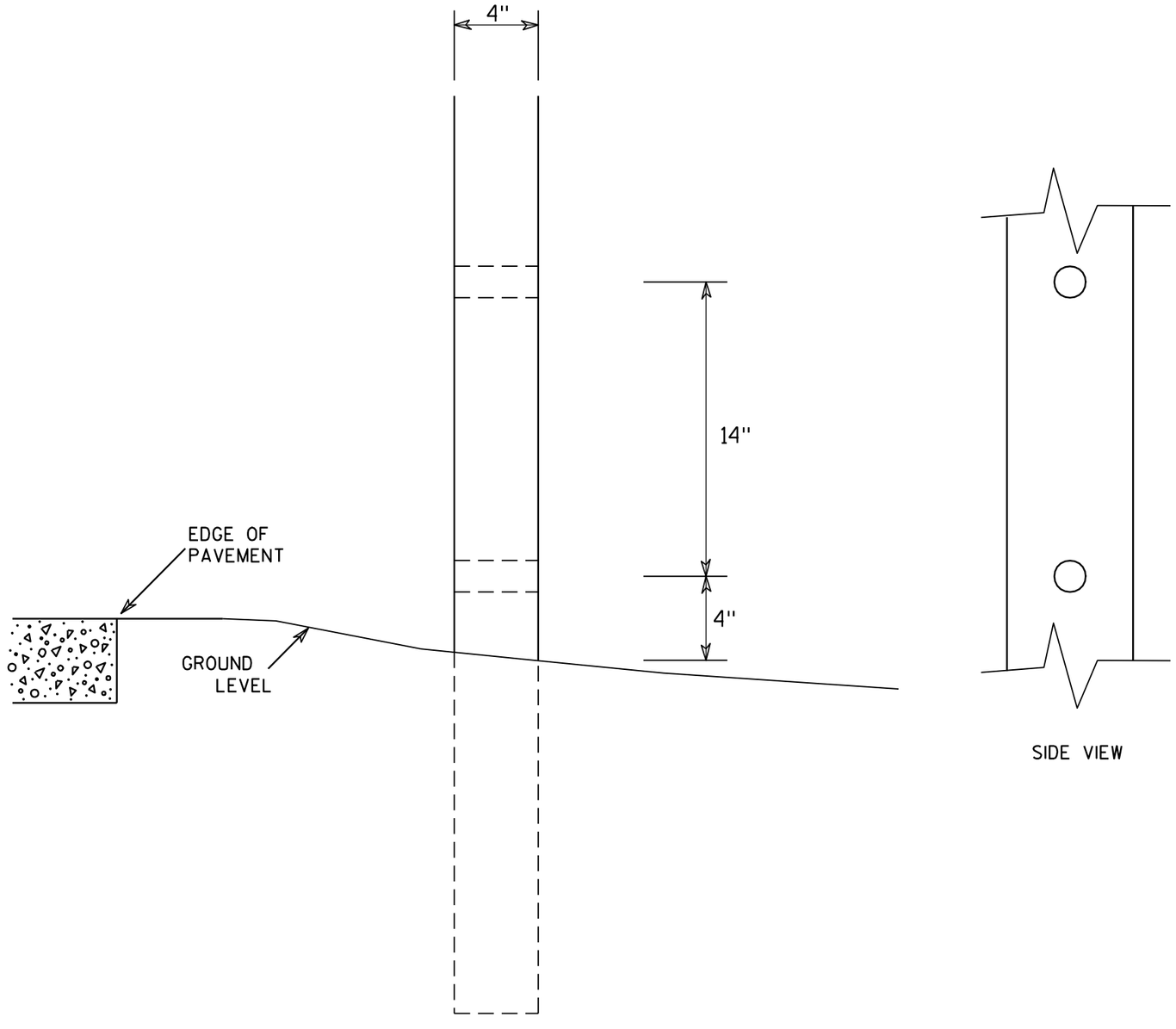
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 279 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

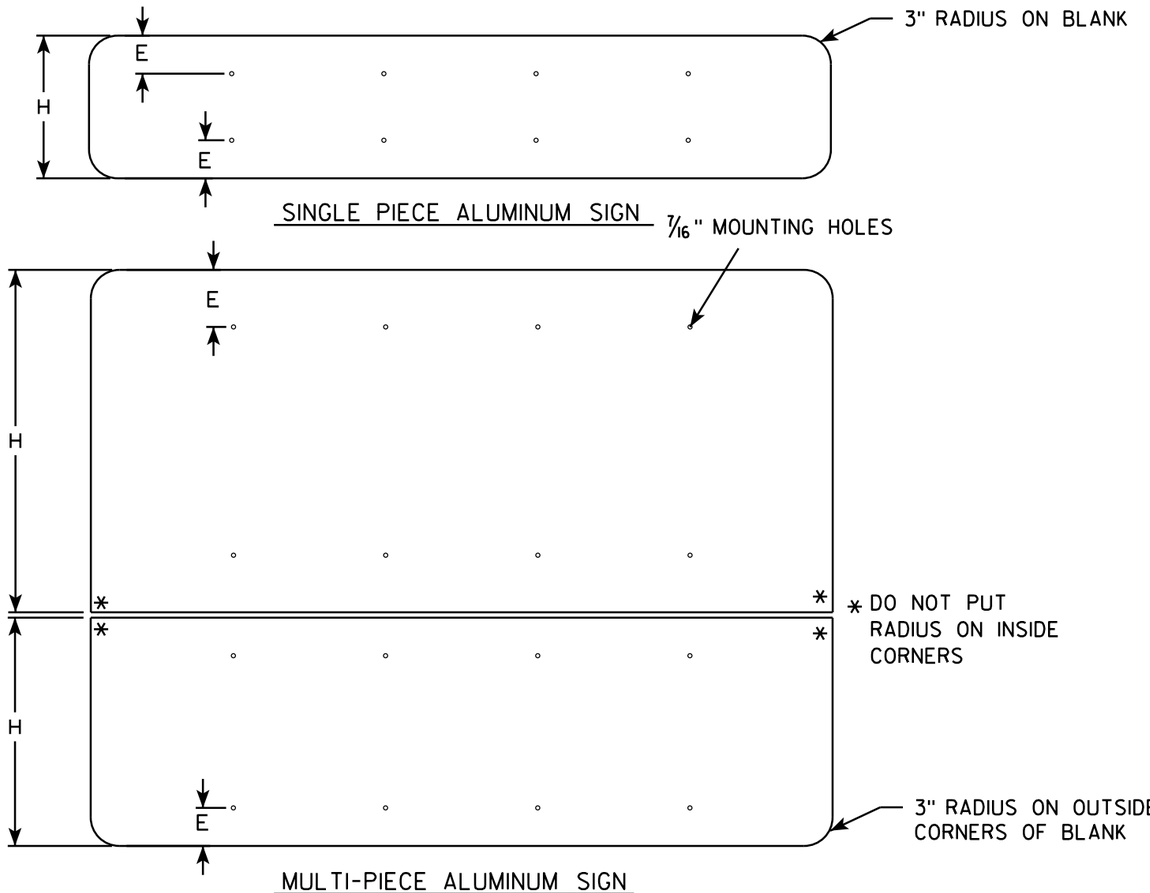
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

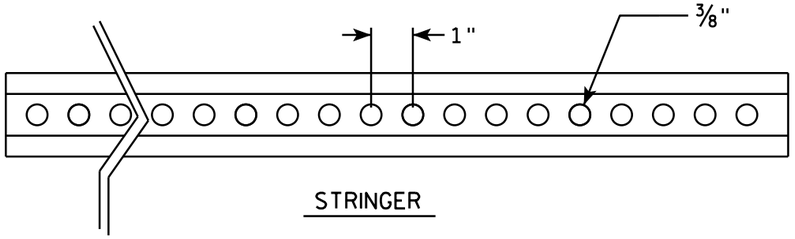
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 280	E



GENERAL NOTES

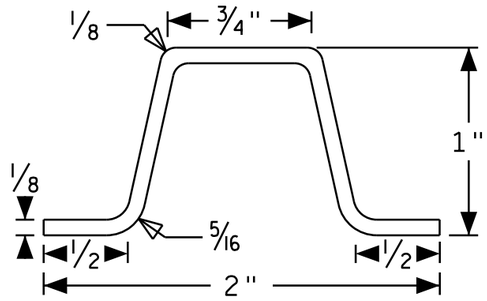
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

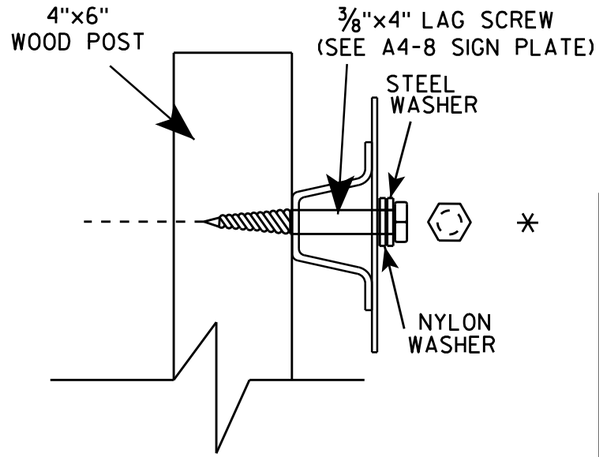


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

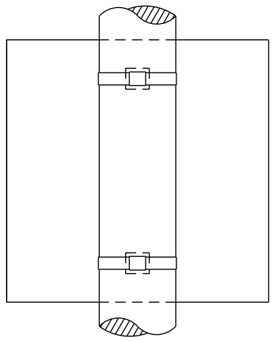
DATE 4/26/16 PLATE NO A4-18.1

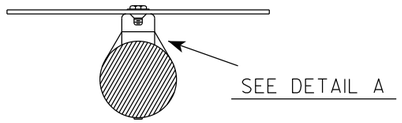
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

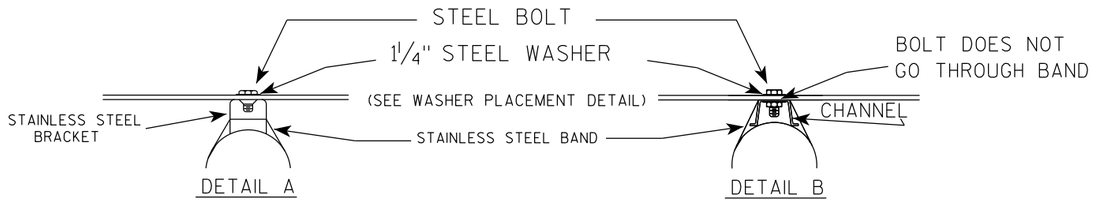
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

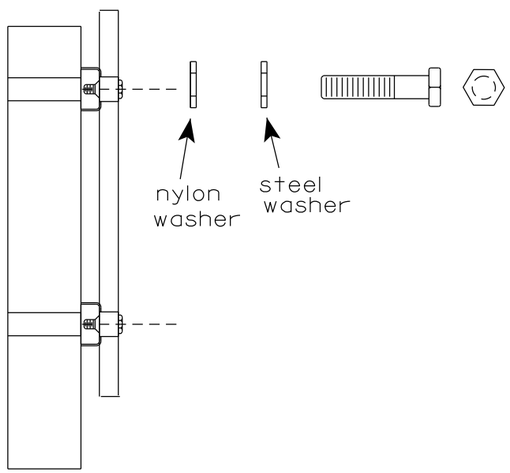
SINGLE SIGN







WASHER PLACEMENT

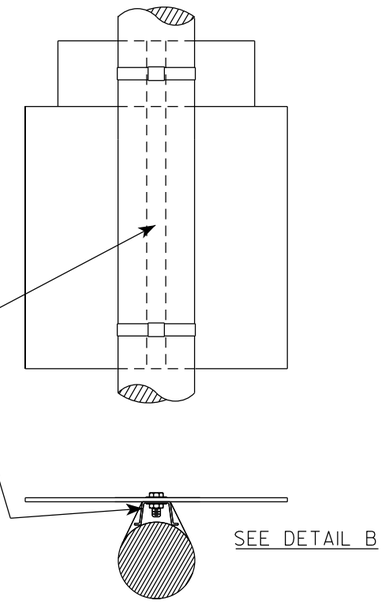


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

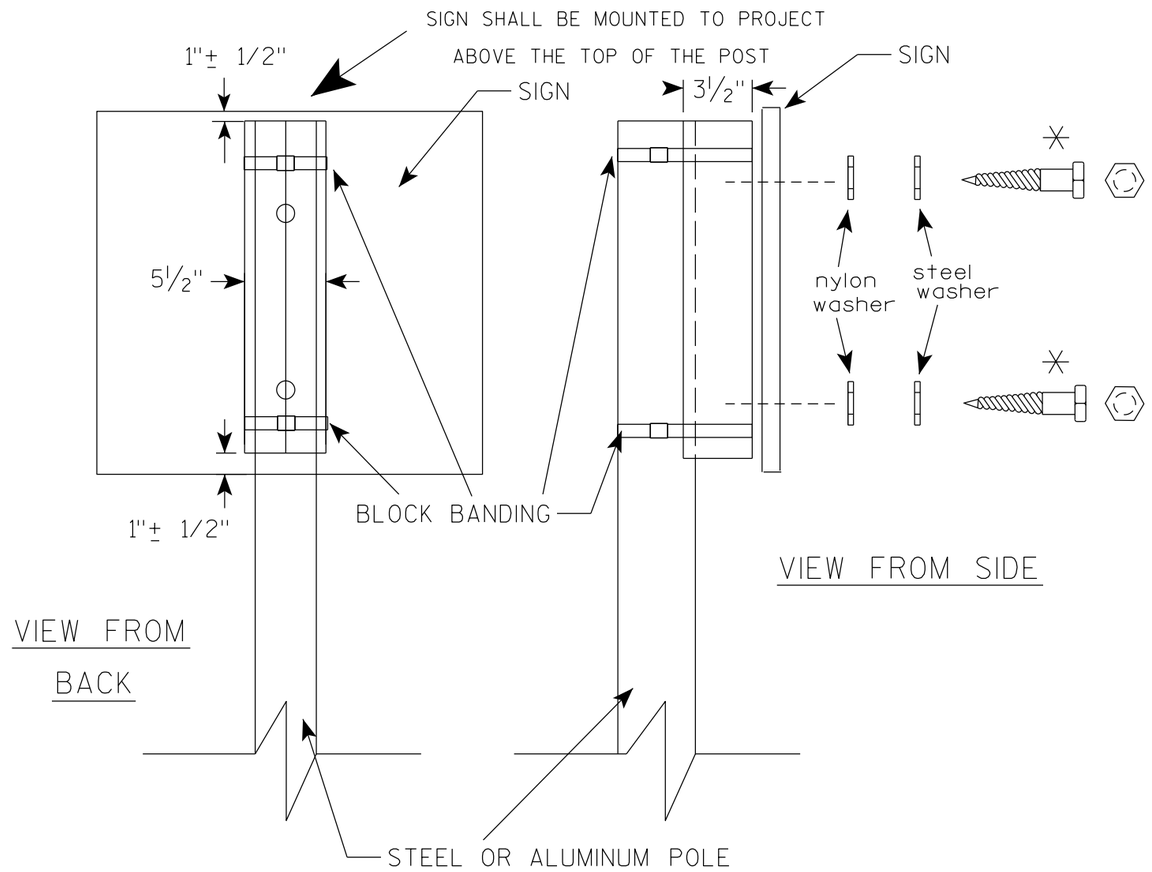
DATE 6/10/19 PLATE NO. A5-9.4

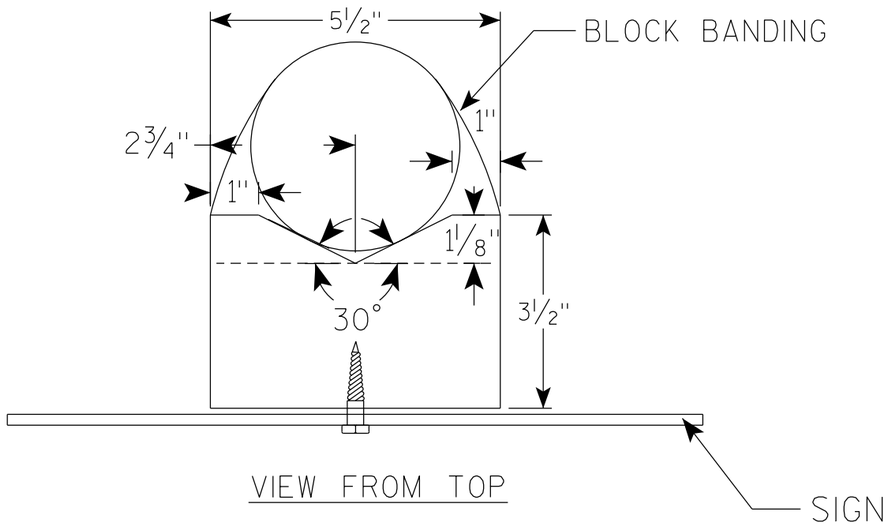
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 282	E

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)

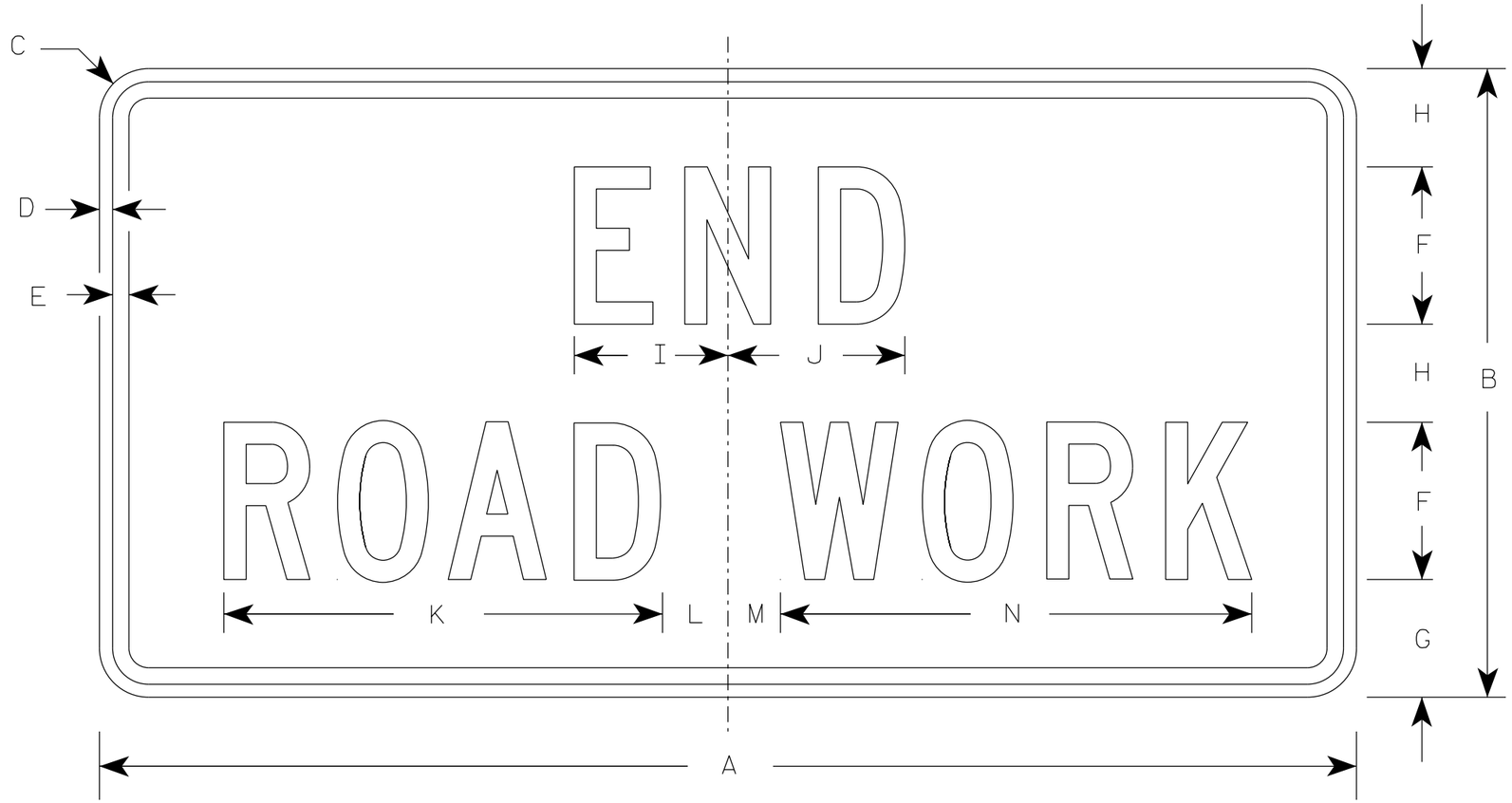
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 283 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

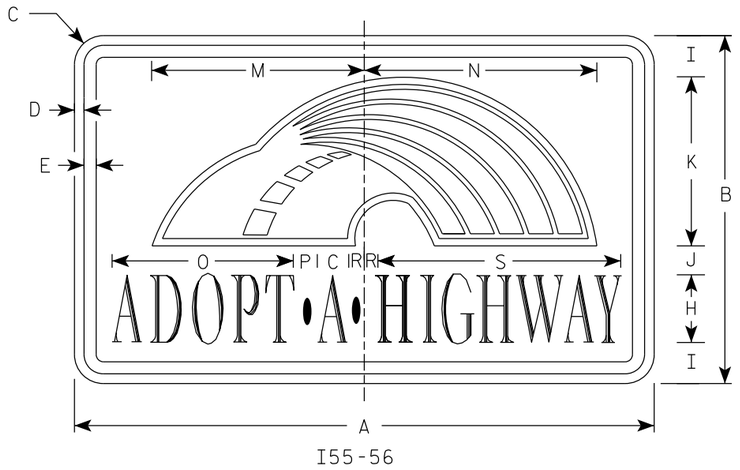
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

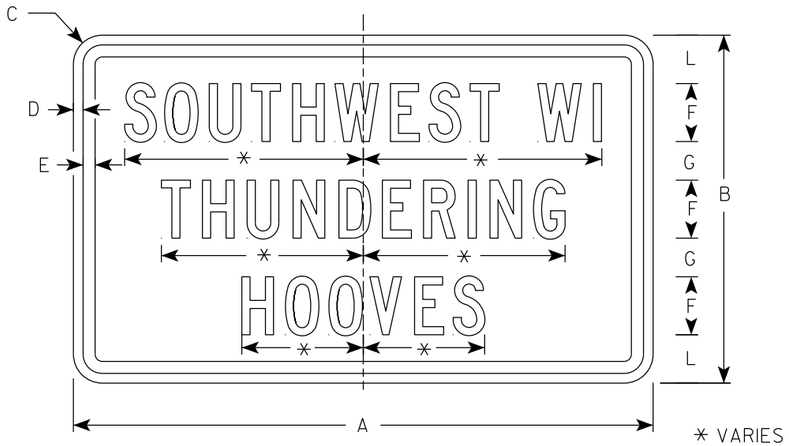
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



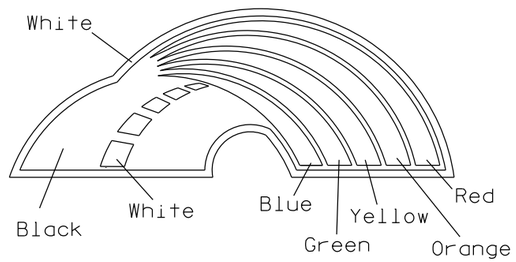
I55-56

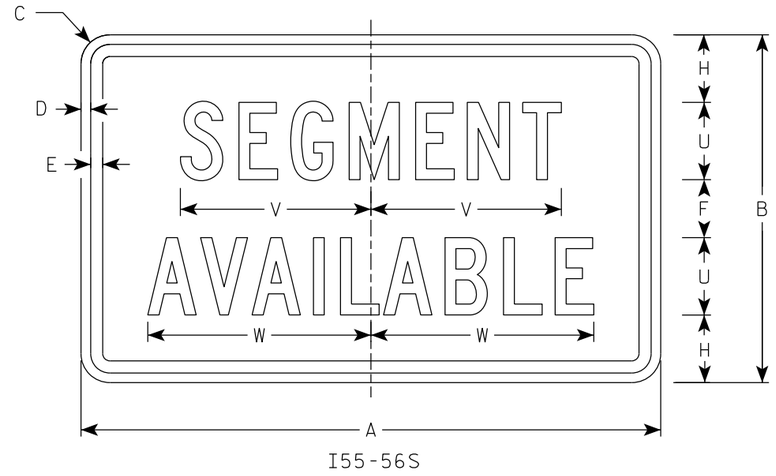


* VARIES

I55-56P

Background Colors of Symbol*





I55-56S

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
   Rainbow detail - See Below
3. Message Series - Adopt a Highway - Dutch 8011L
   All other Text - Series C
4. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

*1/4" Black Border between each color of rainbow and border of rainbow

*3/8" White Border surrounds the whole image of the rainbow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 1/4	1 1/2	8 1/2	2 1/2	11	12	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

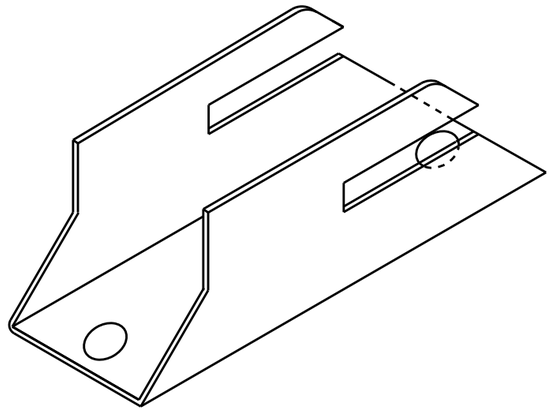
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

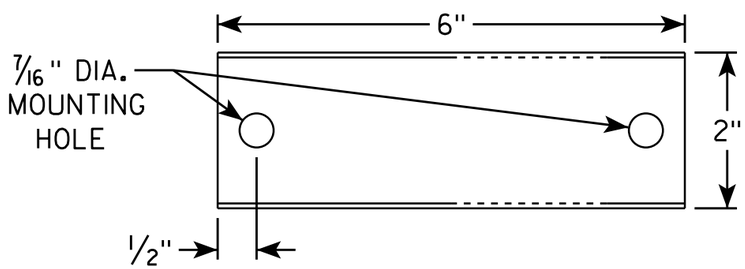
DATE 3/13/2025 PLATE NO. 155-56.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E

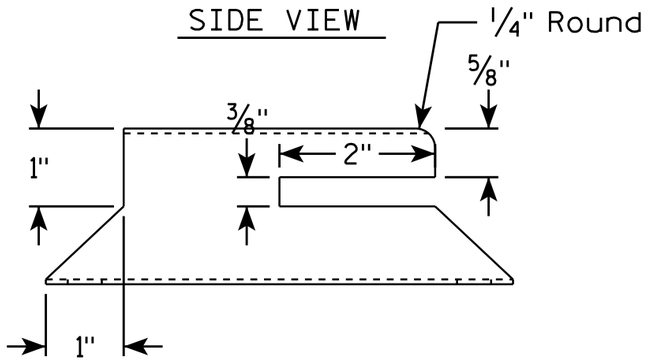
ISOMETRIC VIEW



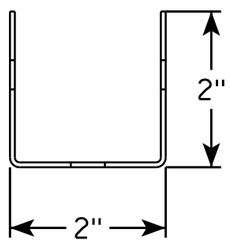
TOP VIEW



SIDE VIEW



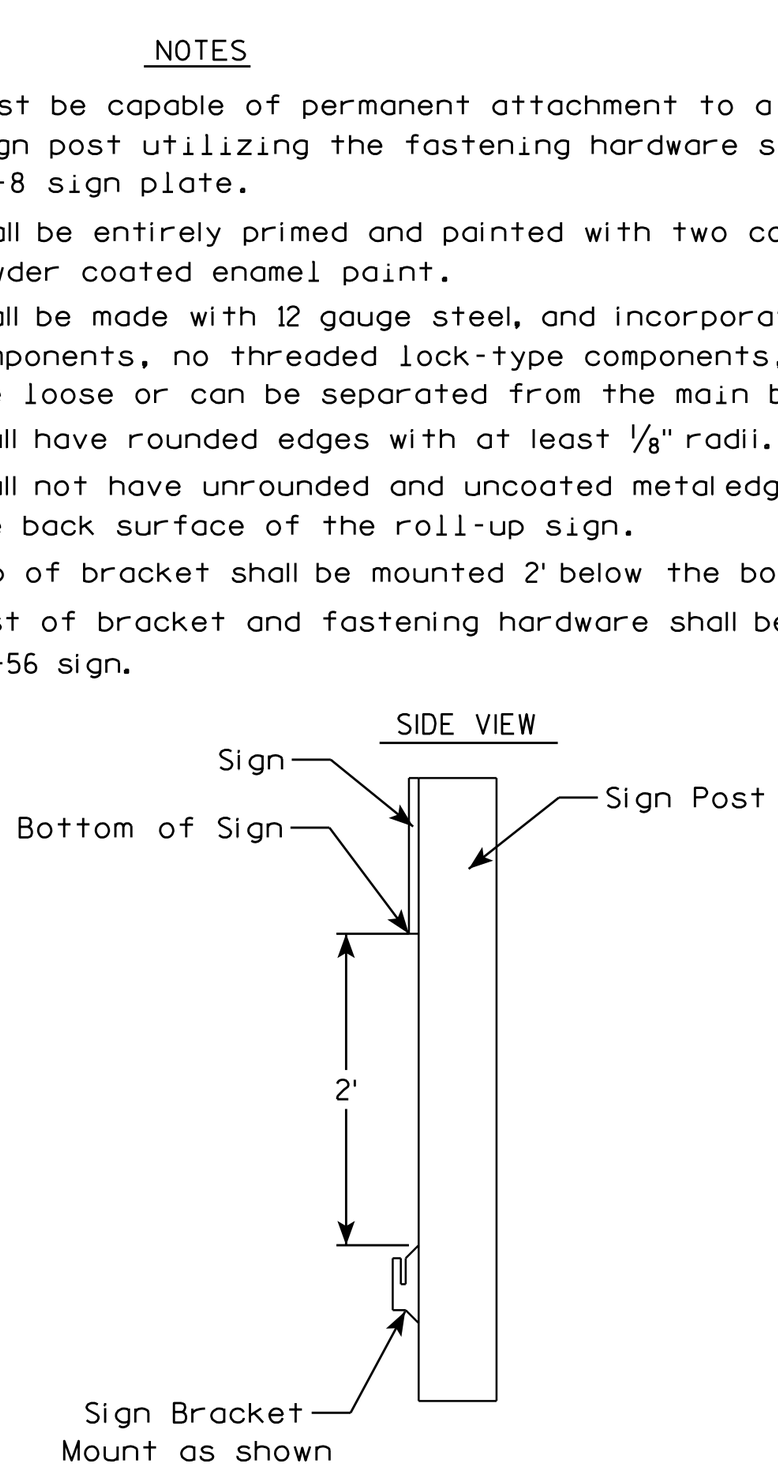
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



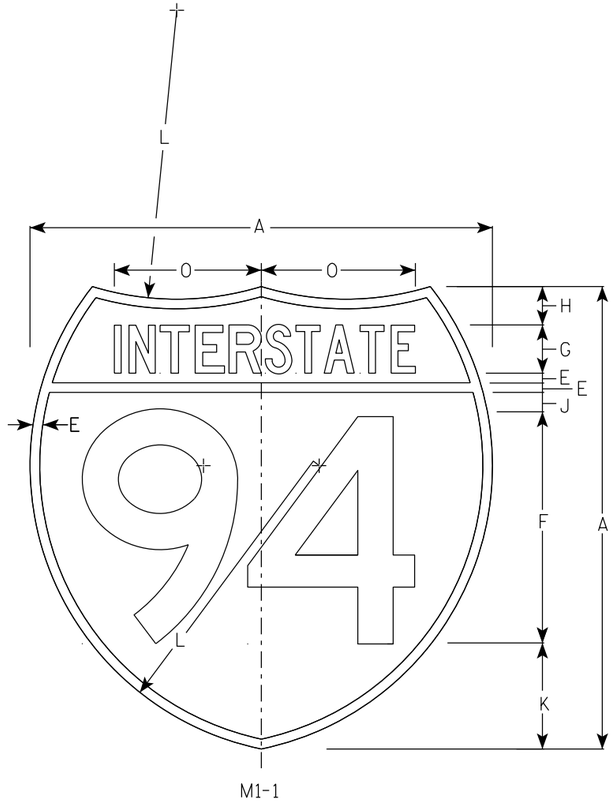
ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

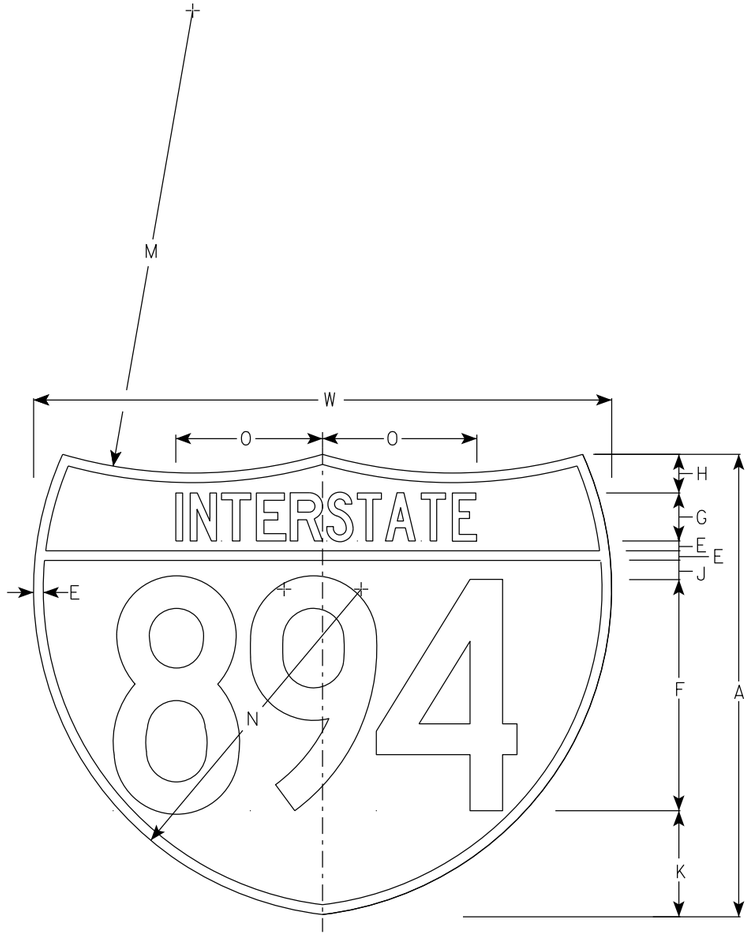
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

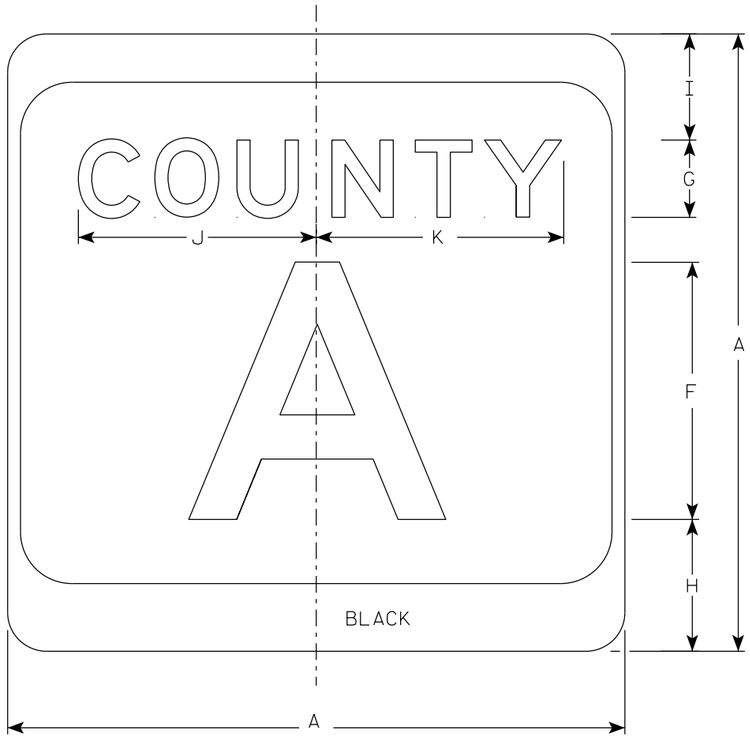
INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

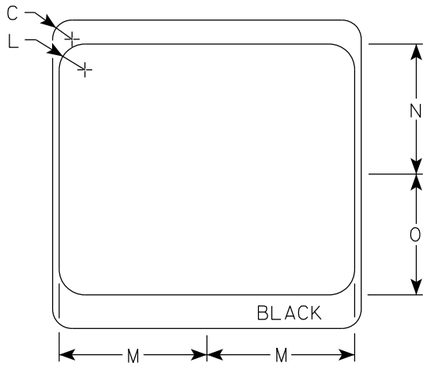
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E

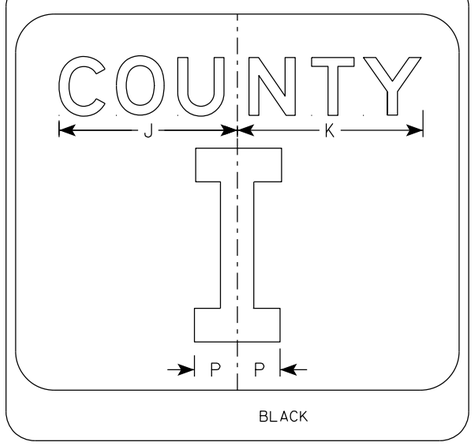


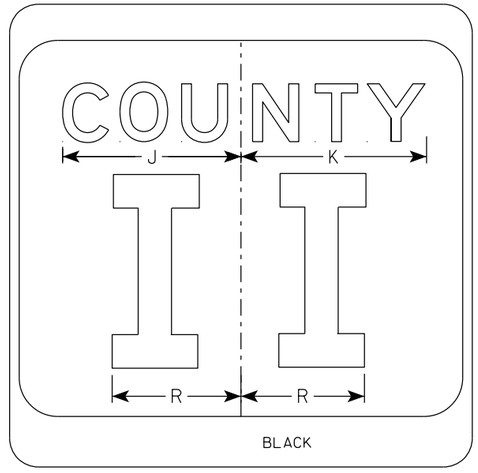
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

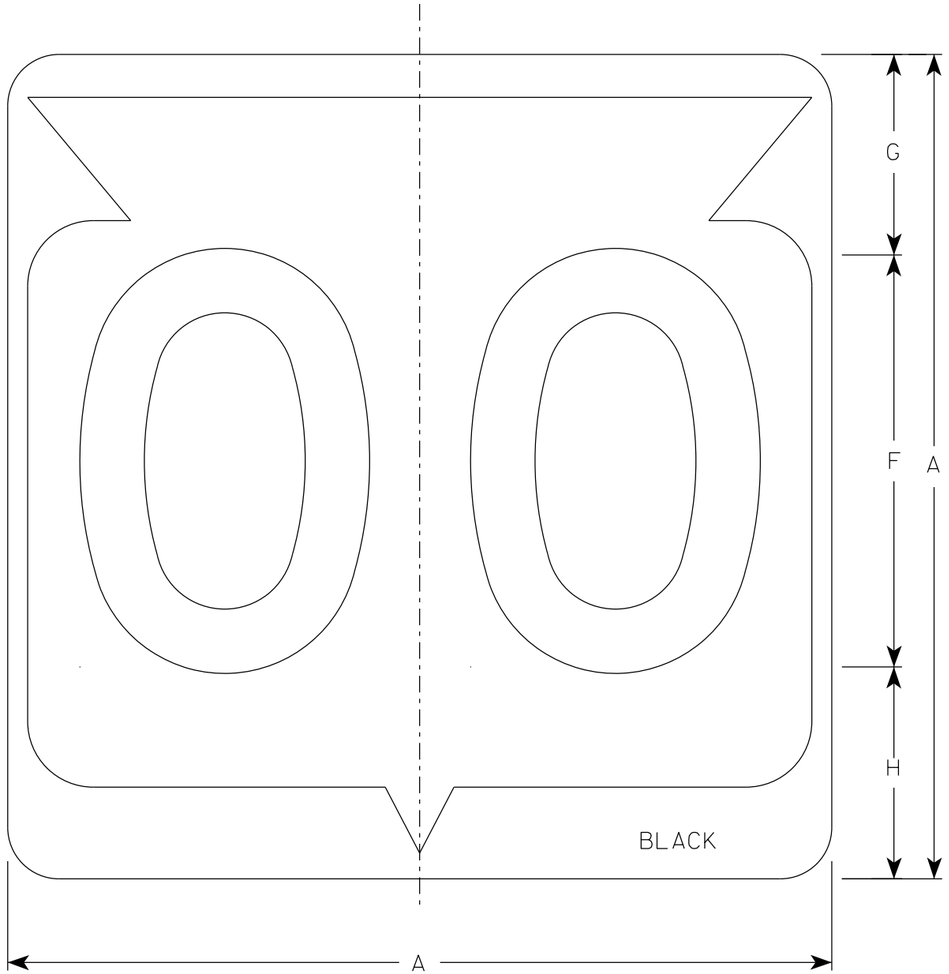
DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

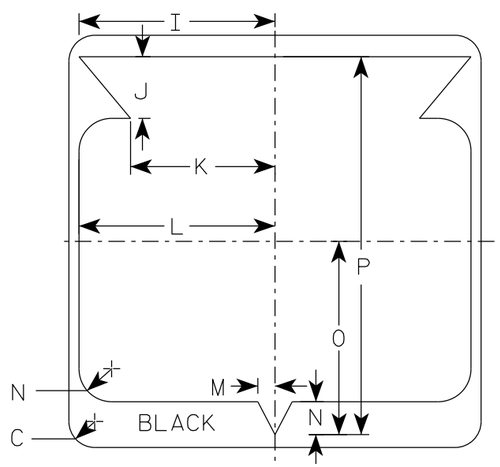
7



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

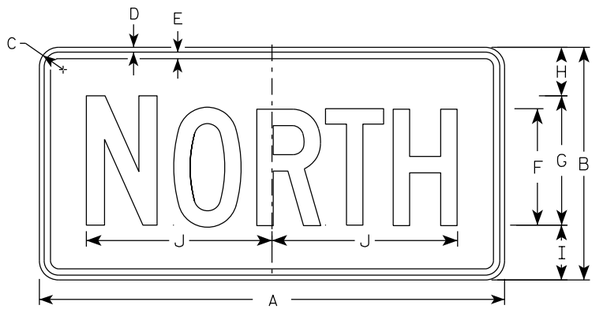
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

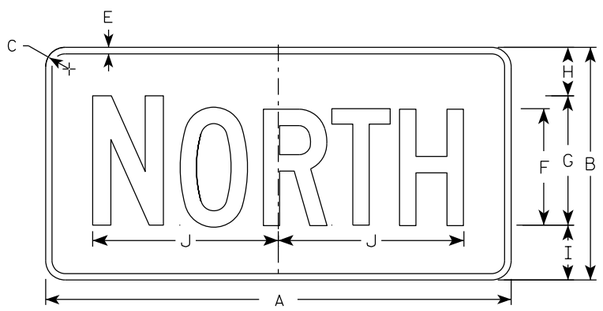
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

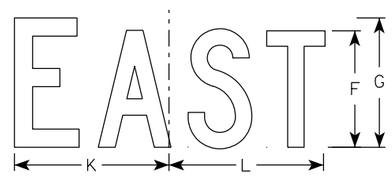
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



M3-1
MM3-1
MP3-1



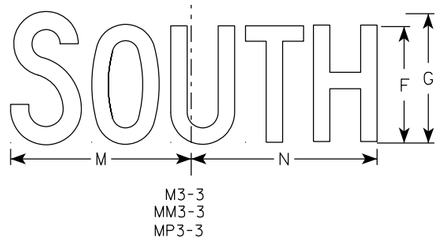
MB3-1
MK3-1
MN3-1



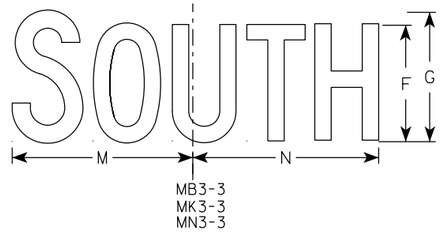
M3-2
MM3-2
MP3-2



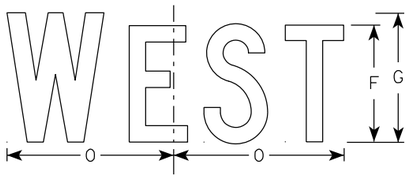
MB3-2
MK3-2
MN3-2



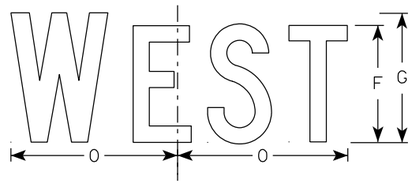
M3-3
MM3-3
MP3-3



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

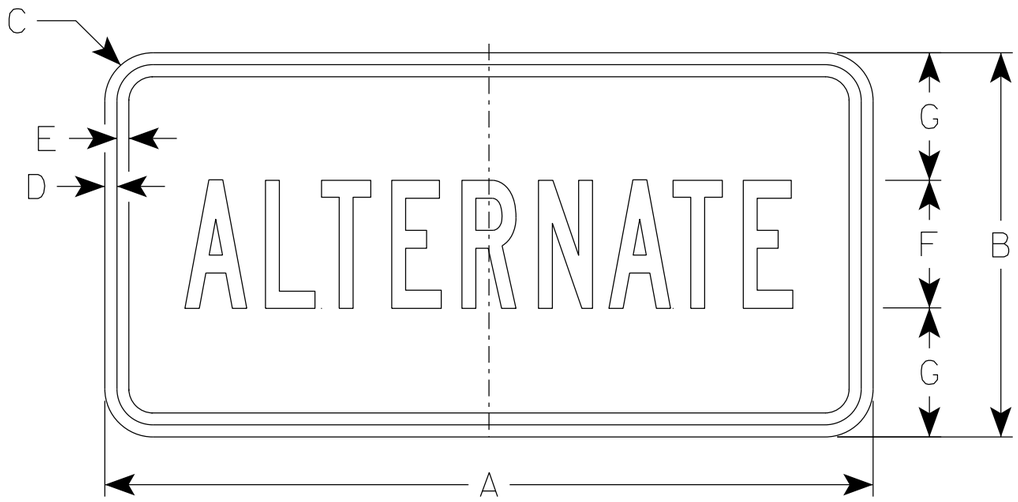
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

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: 290 | E



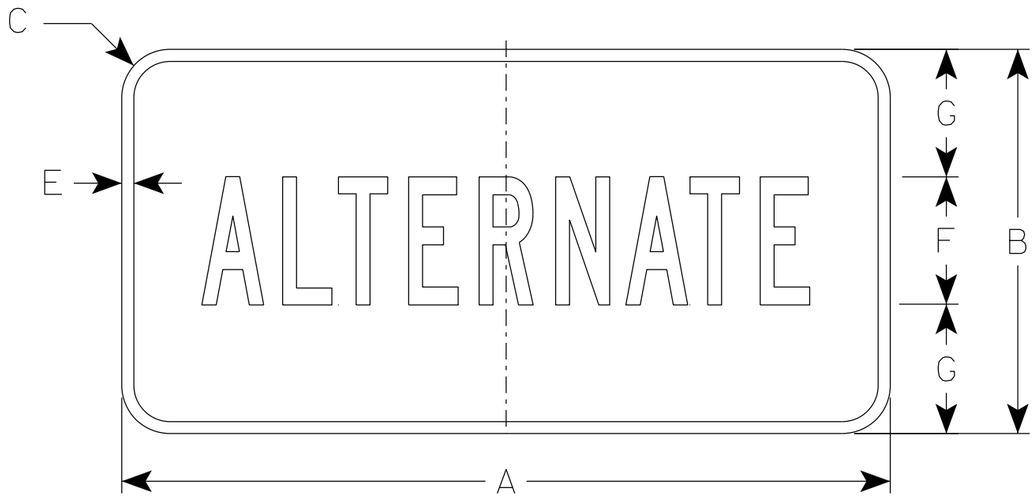
M4-1
MO4-1

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

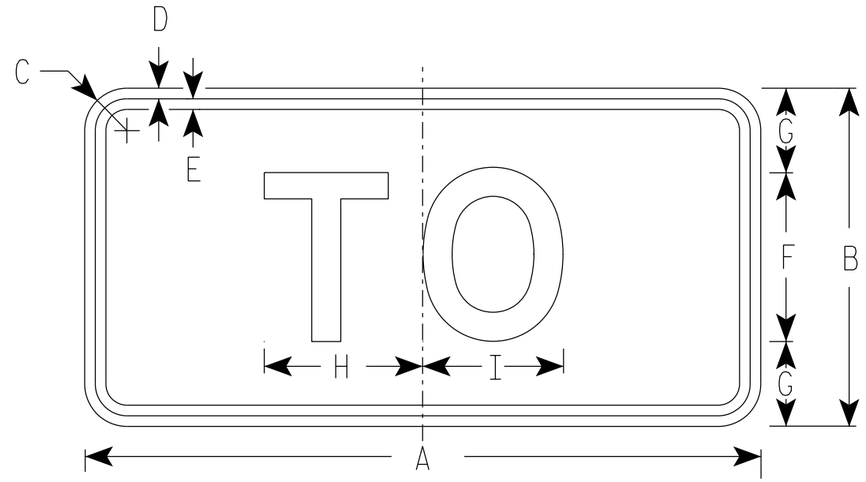
STANDARD SIGN
M4-1

WISCONSIN DEPT OF TRANSPORTATION

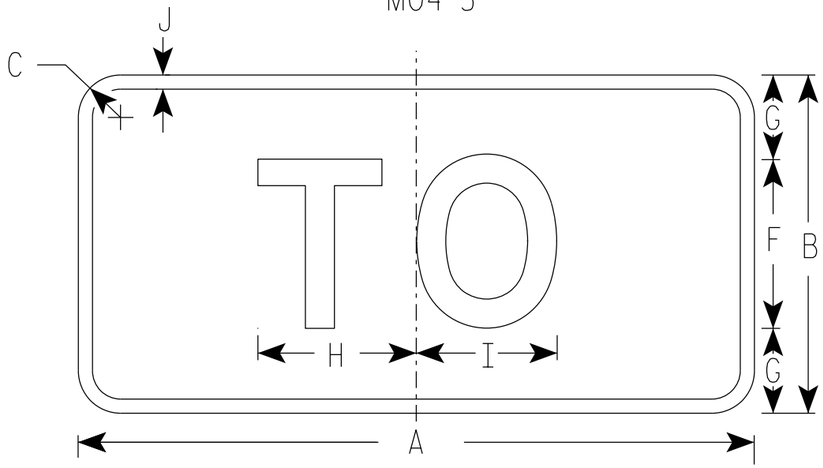
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | 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

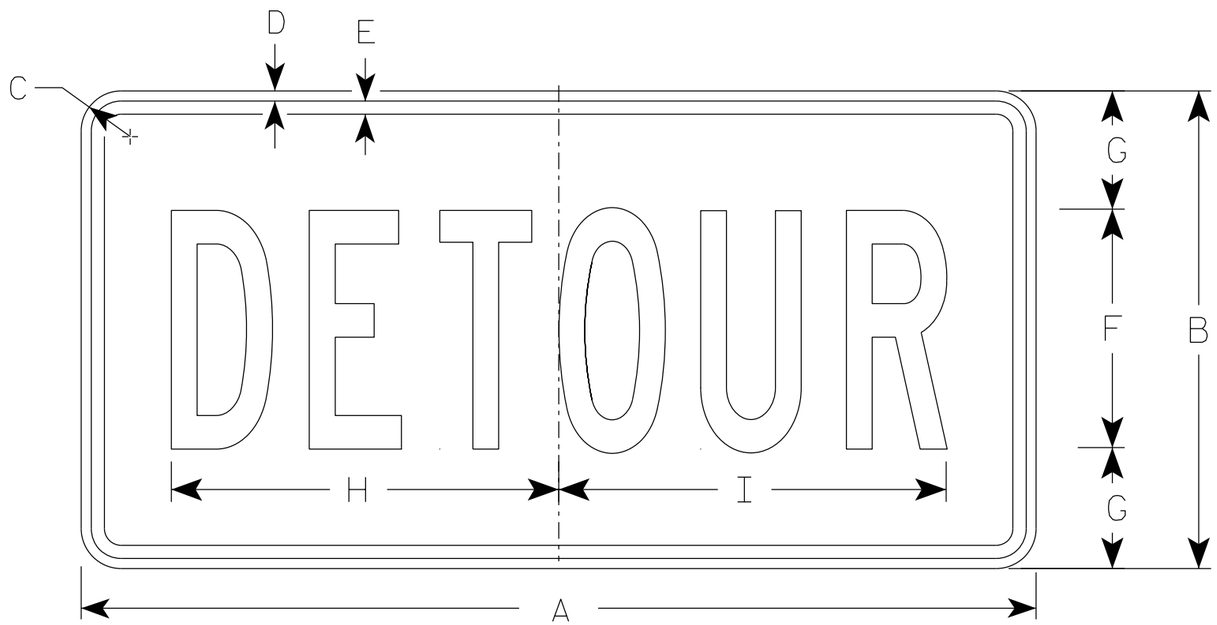
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M4-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 292 E

7



M4-8

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	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

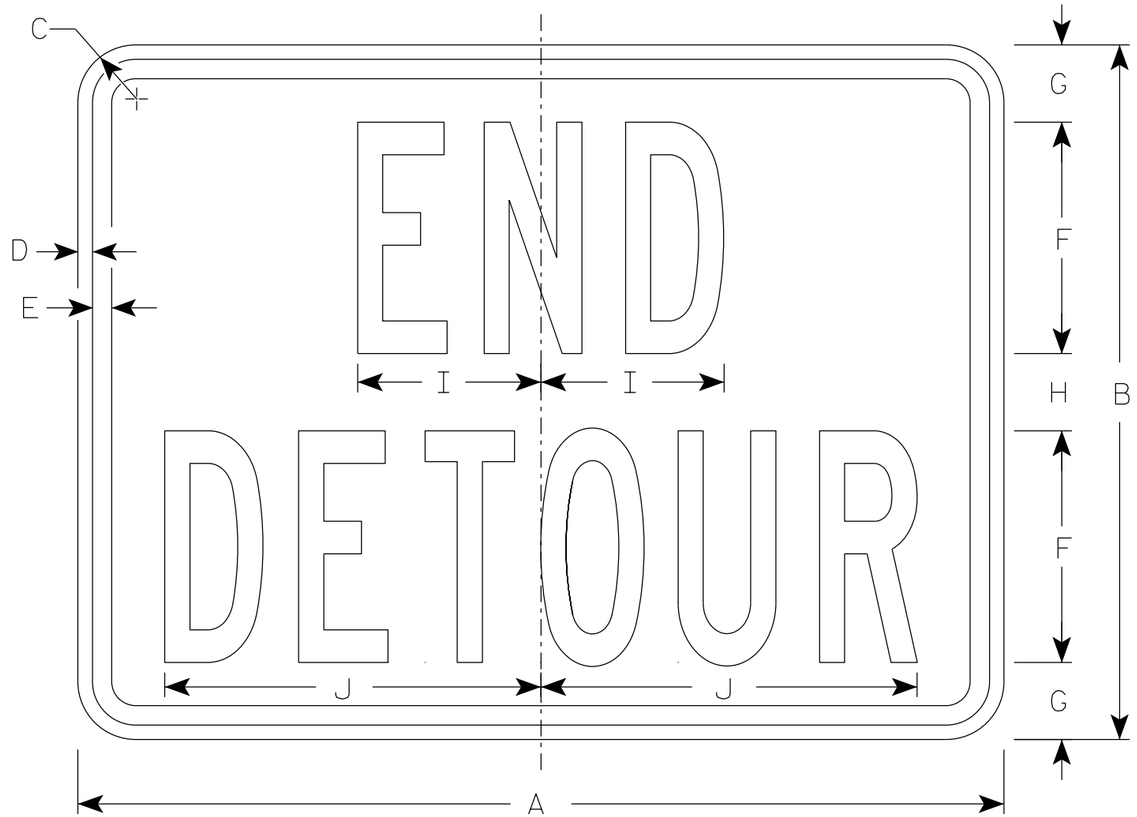
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:

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

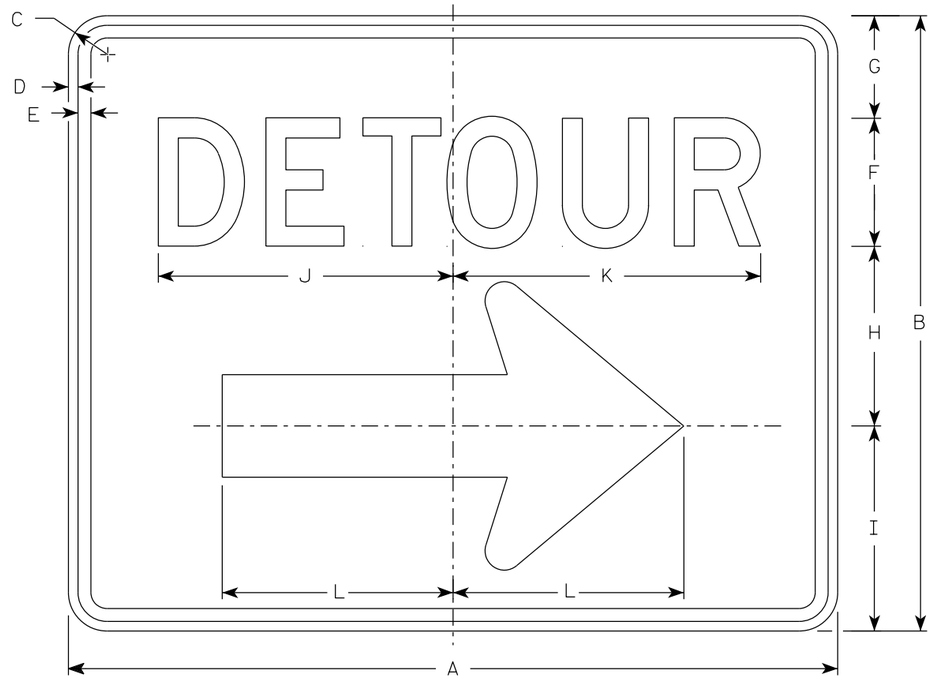
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

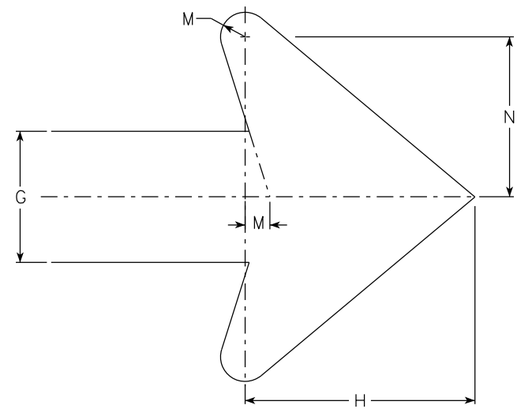
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

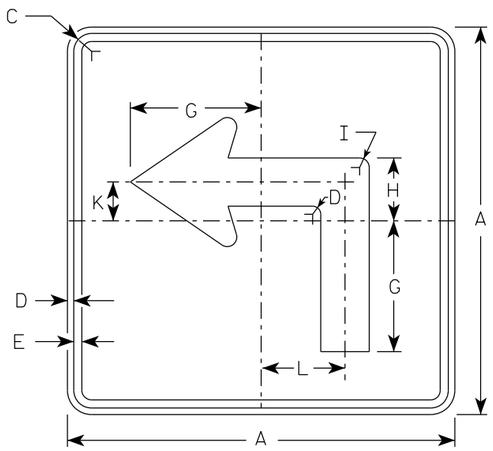
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

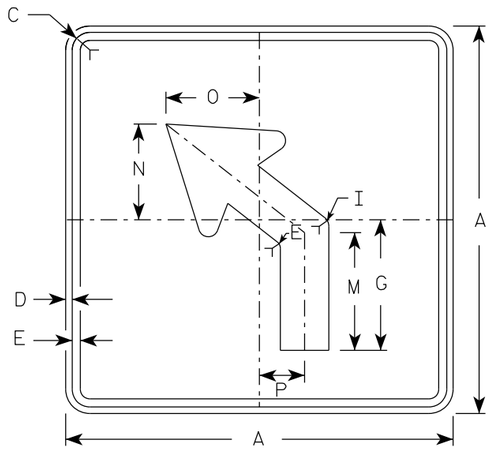
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

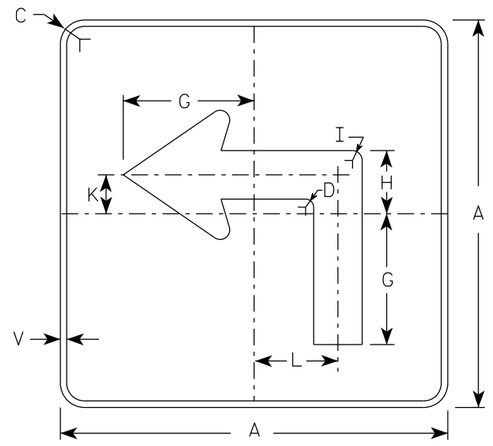
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



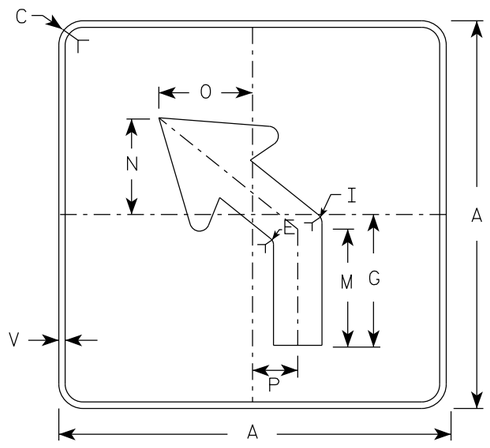
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

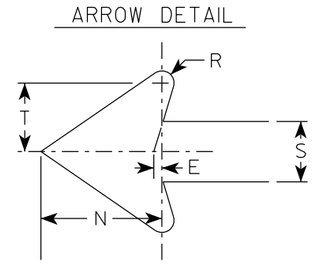


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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

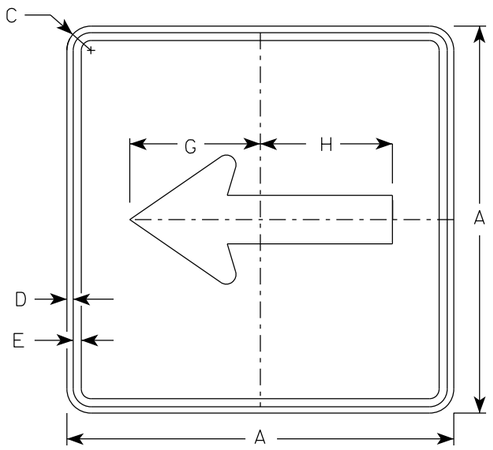
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

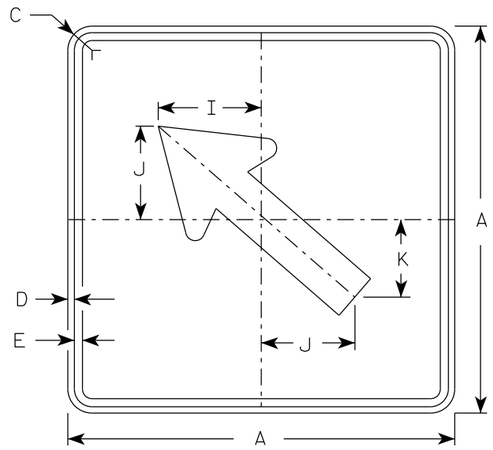
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

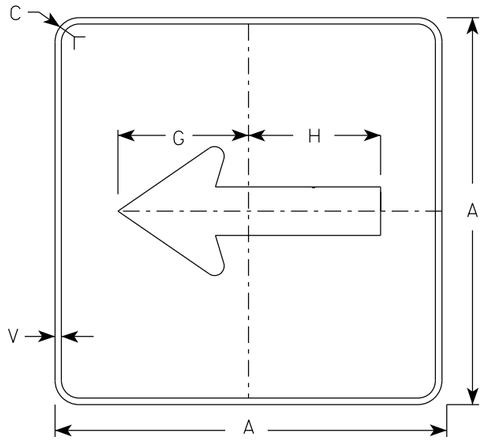
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



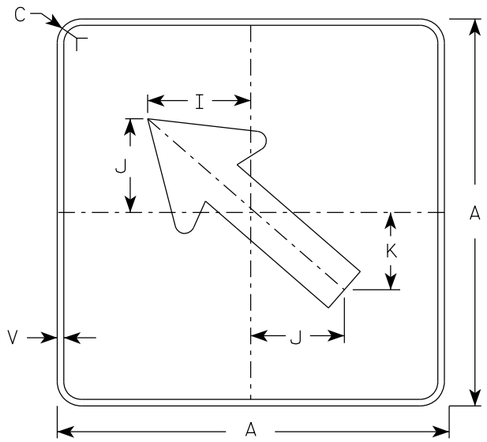
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

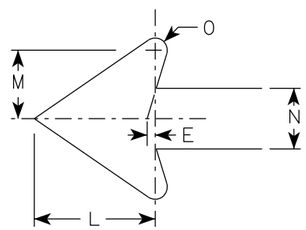


MB6-2
MK6-2
MN6-2
MR6-2

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

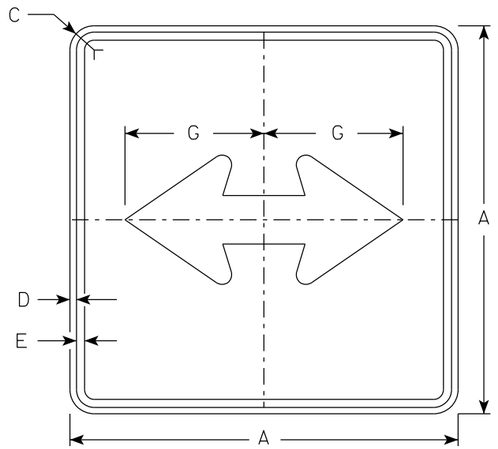
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

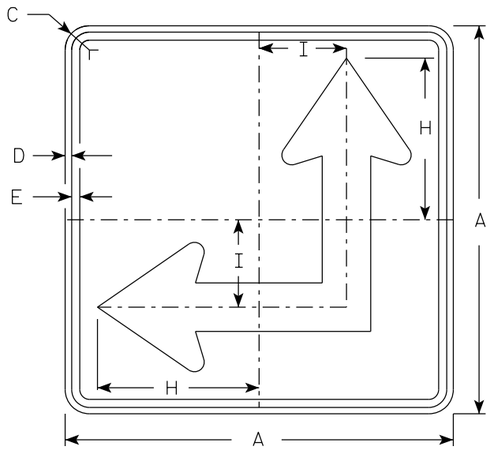
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 297 | E

7

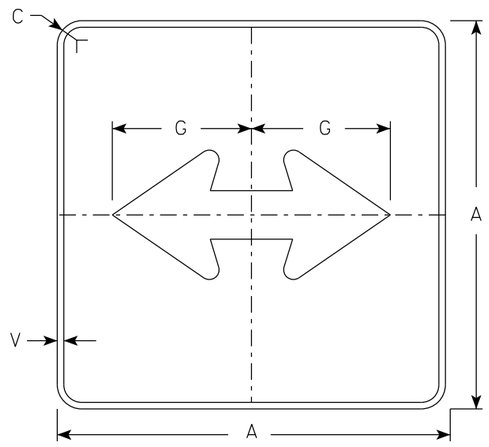
7



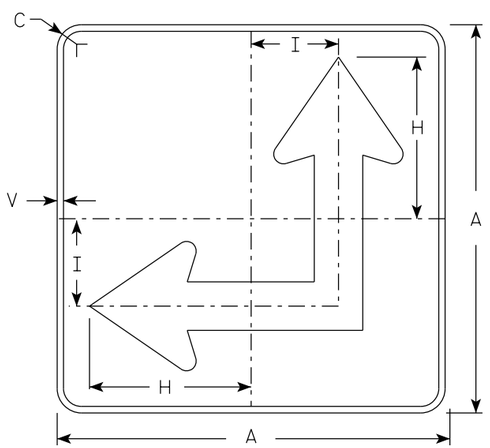
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

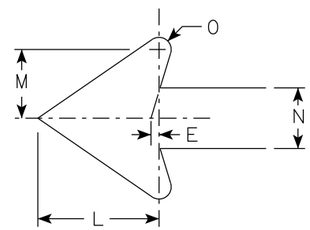


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

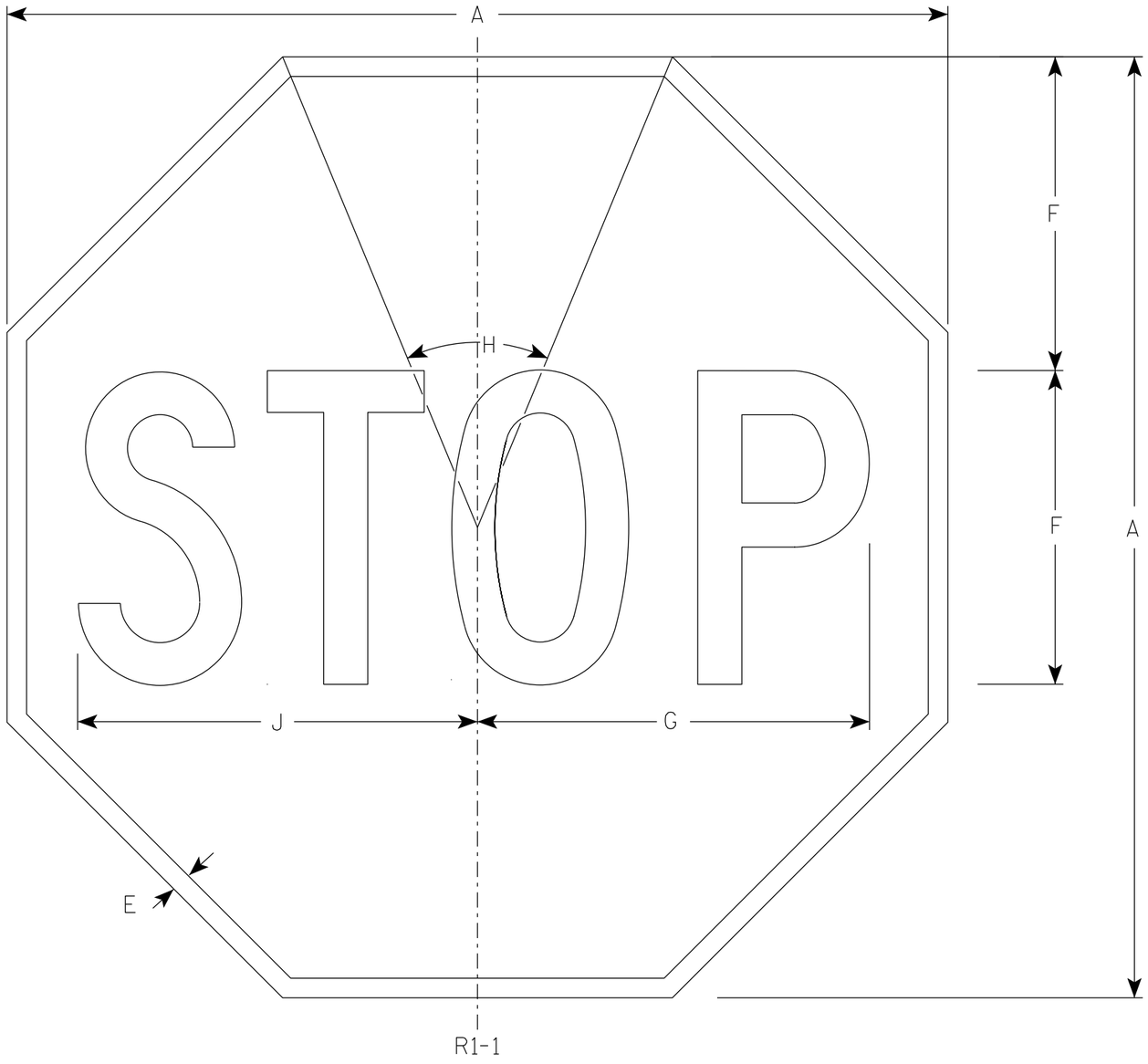
STANDARD SIGN
M6-4 & M6-6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 298 | E



NOTES

1. Sign is Type II - Type H Reflective
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

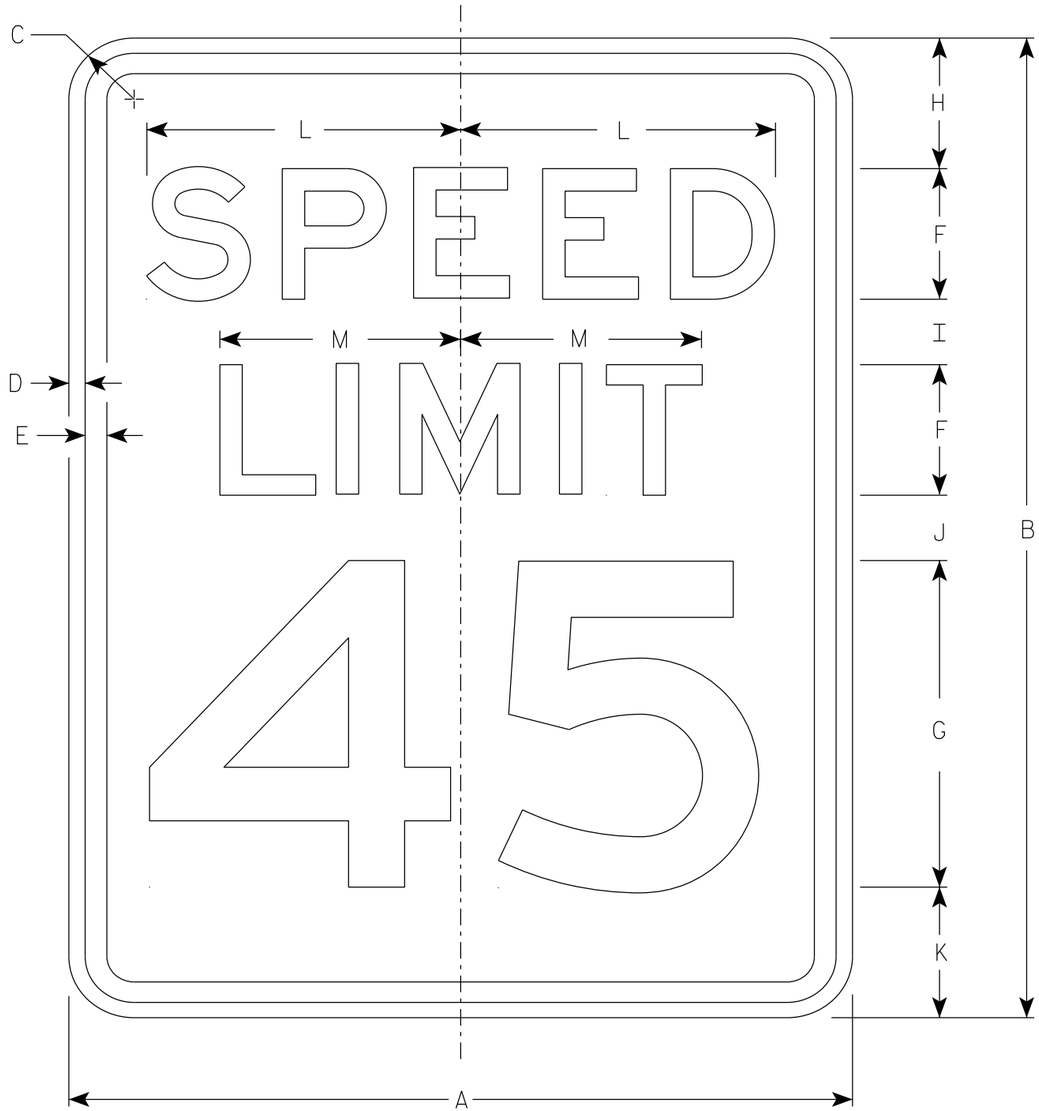
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/9/2025 PLATE NO. R1-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | 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

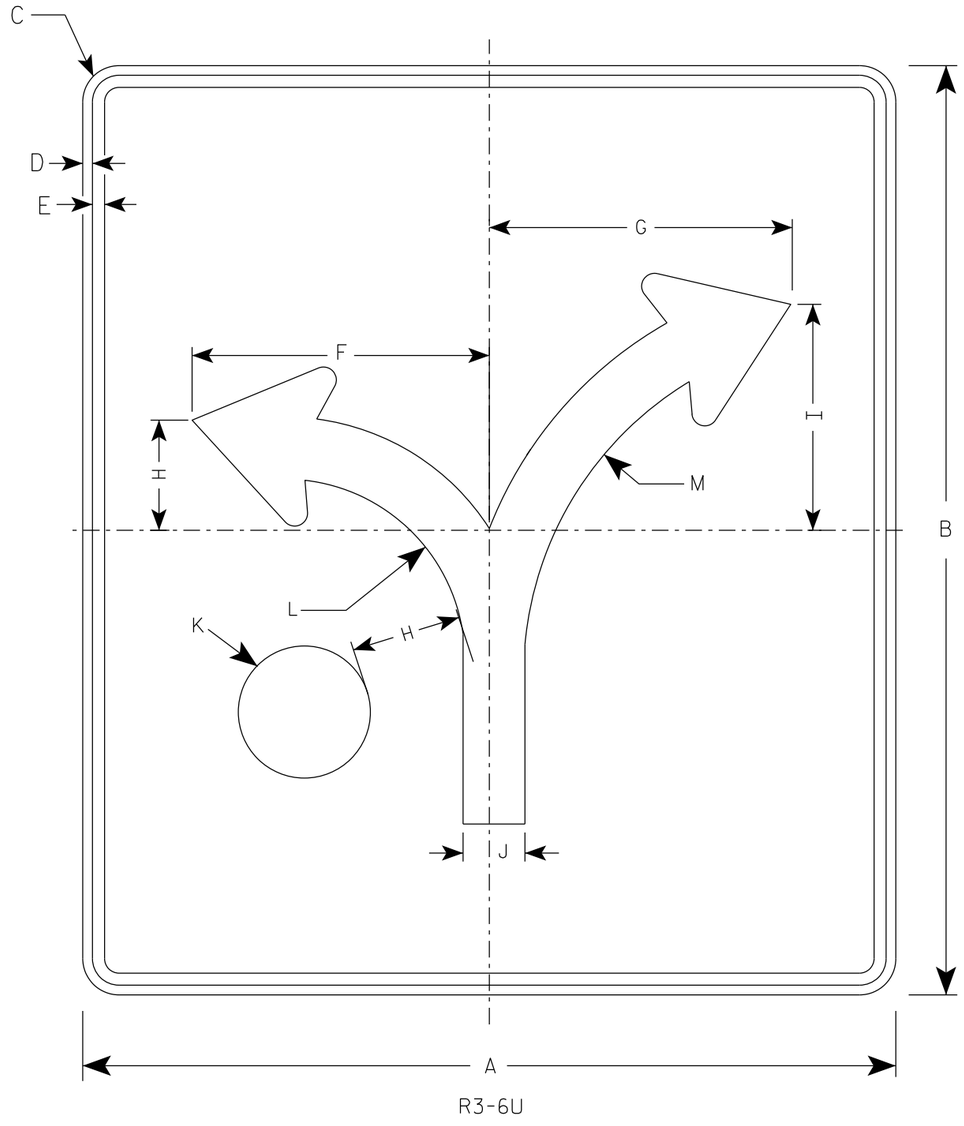
STANDARD SIGN
R2-1

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: 300 | E



R3-6U

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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	30	36	1 7/8	1/2	5/8	11 1/2	11 3/4	4 1/4	8 3/4	2 3/8	5	7	13 1/4														7.5
2M	42	48	1 7/8	1/2	5/8	15 3/8	15 3/8	5 5/8	11 5/8	3 1/4	3 3/8	9 3/8	17 3/4														14.0
3	42	48	1 7/8	1/2	5/8	15 3/8	15 3/8	5 5/8	11 5/8	3 1/4	3 3/8	9 3/8	17 3/4														14.0
4																											
5																											

STANDARD SIGN
R3-6U

WISCONSIN DEPT OF TRANSPORTATION

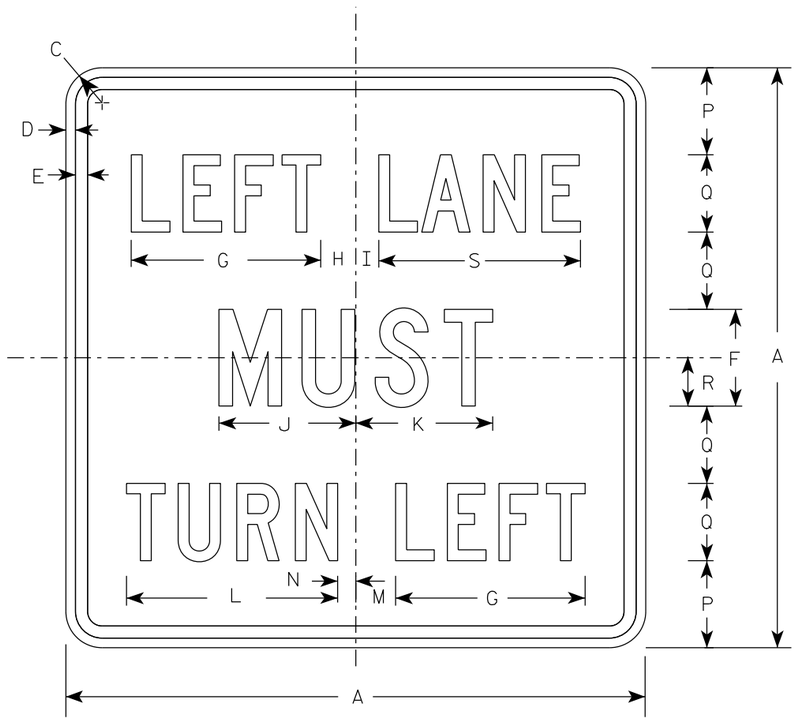
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/4/2025 PLATE NO. R3-6U.4

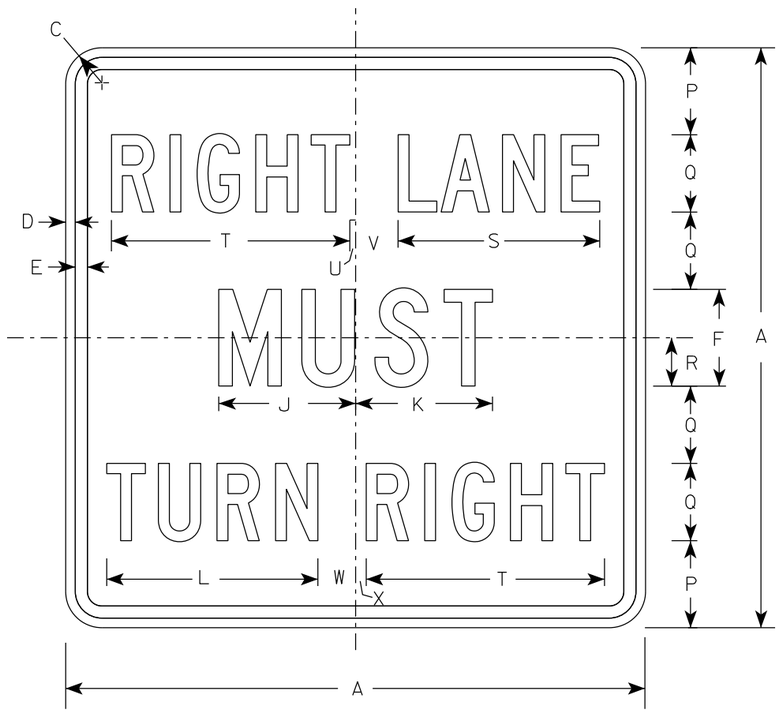
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 301 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C



R3-7L



R3-7R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
2S	30		1 7/8	1/2	5/8	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
2M	30		1 7/8	1/2	5/8	5	9 3/4	1 7/8	1 1/8	7 1/8	7 1/8	10 7/8	2	1		4 1/2	4	2 1/2	10 3/8	12 3/8	1/4	2 1/4	2	1/2			6.25
3	36		2 1/4	5/8	3/4	6	11 3/4	2 1/8	1 3/8	8 1/2	8 1/2	13 1/8	2 1/8	1 1/8		5 3/8	4 3/4	3	12 1/2	14 3/4	3/8	2 5/8	2 3/8	5/8			9.00
4	48		3	3/4	1	8	15 5/8	2 7/8	1 7/8	11 3/8	11 3/8	17 1/2	3 1/4	1 1/2		7 1/8	6 3/8	4	16 3/4	19 3/4	1/2	3 1/2	3 1/8	7/8			16.00
5																											

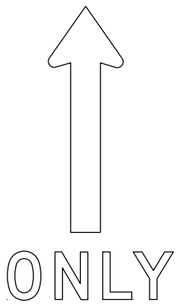
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/16/25 PLATE NO. R3-7.5

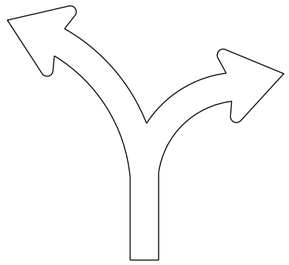
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

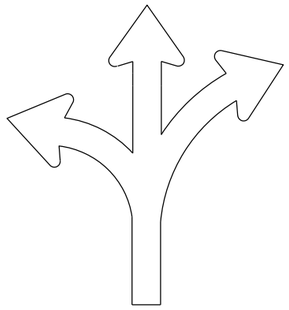


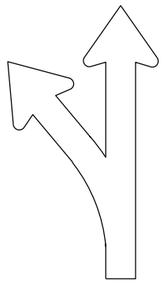
(A)

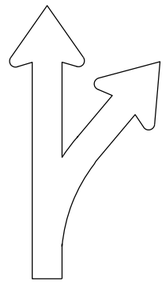


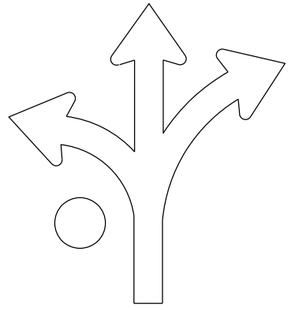
(B)

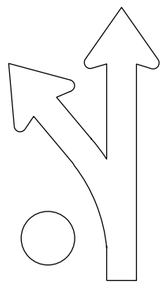

(C)

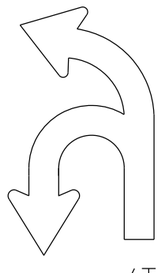

(D)

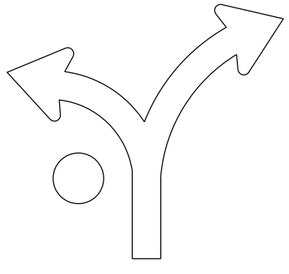

(E)

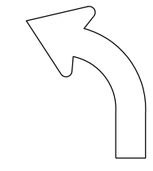

(F)


(G)

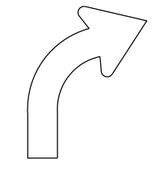

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 303 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

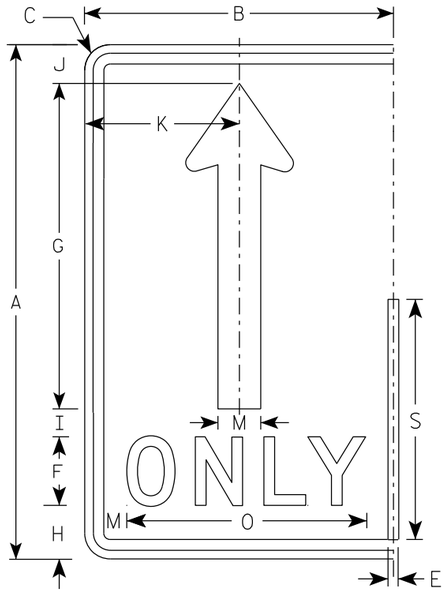
WISDOT/CADDS SHEET 42

7

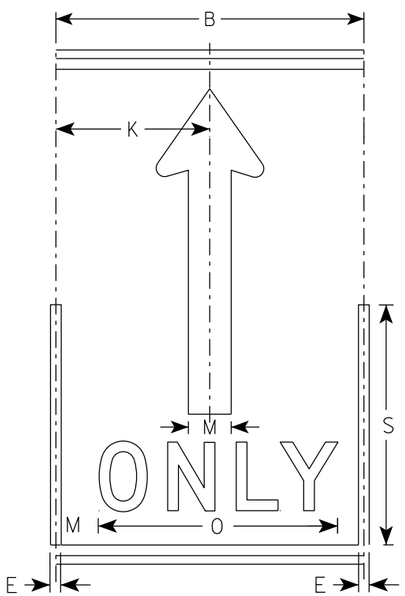
7

NOTES

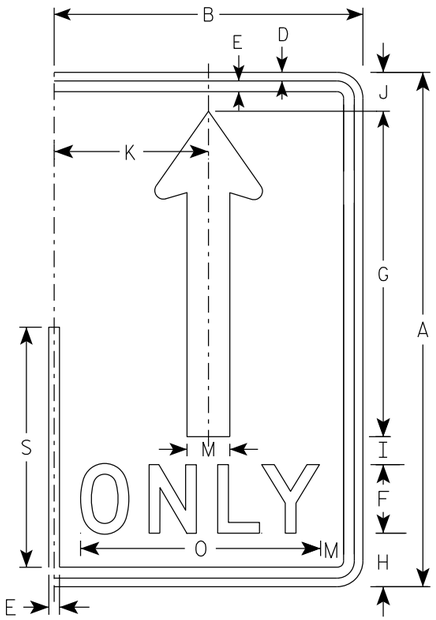
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



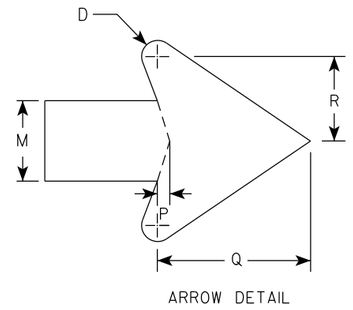
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

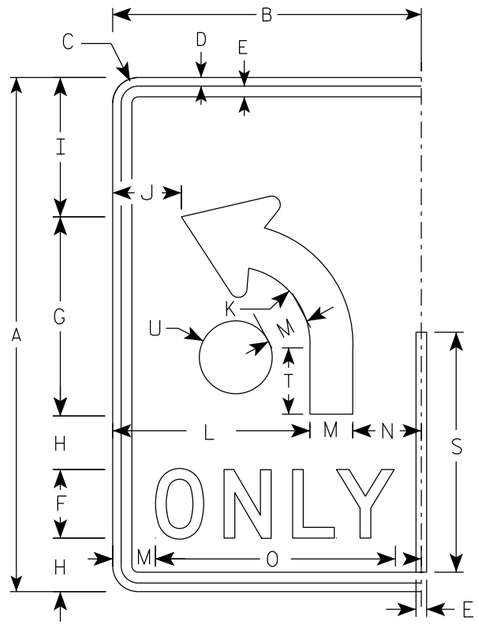
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

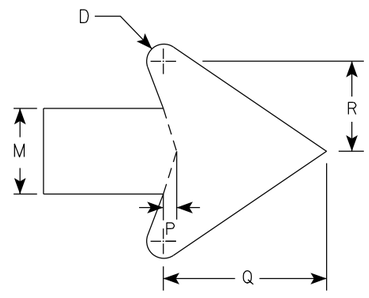
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

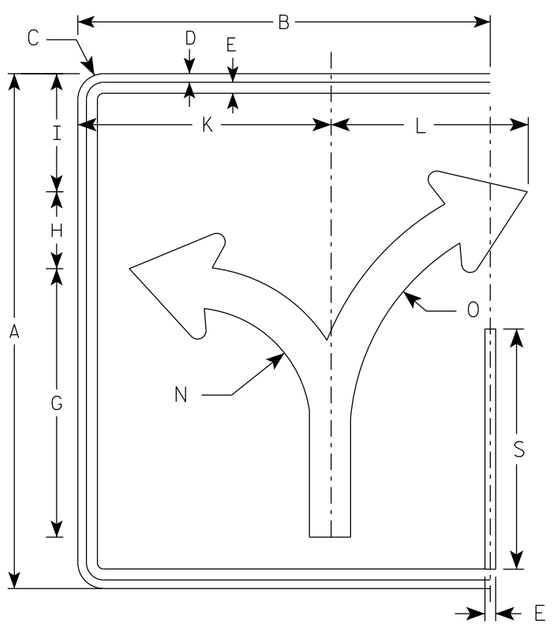
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

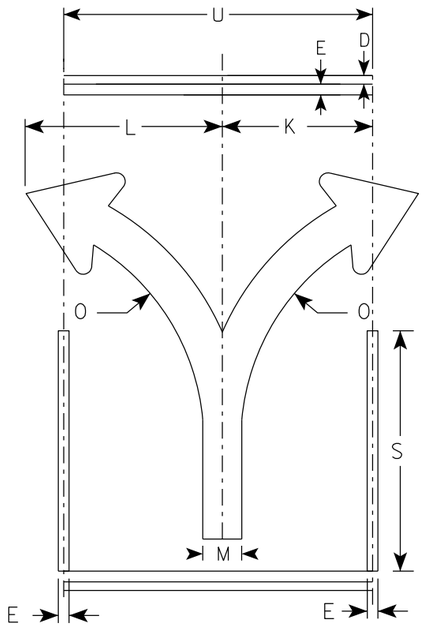
SHEET NO: 305 E

NOTES

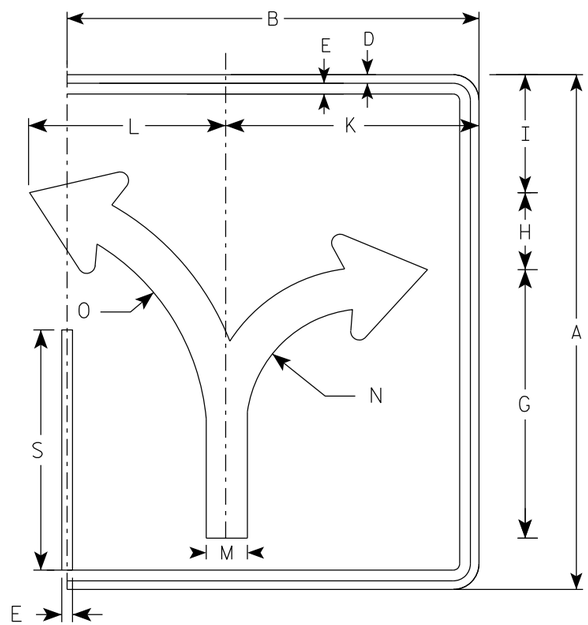
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



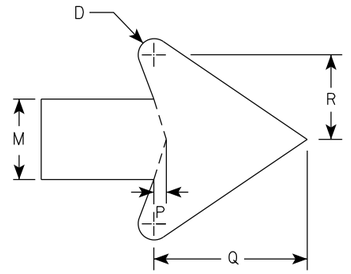
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

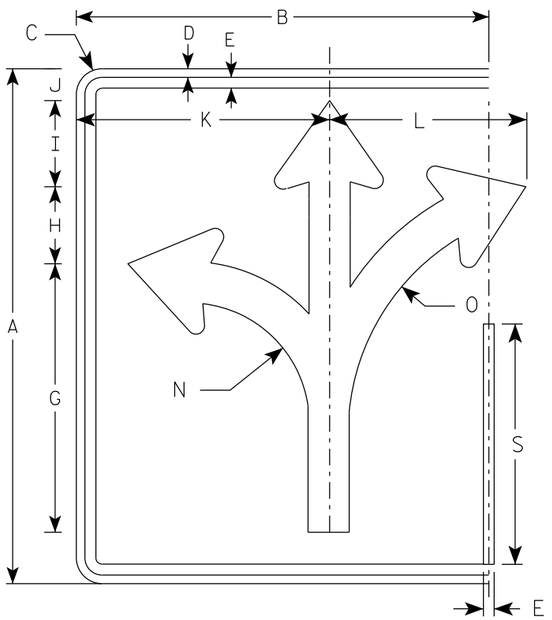
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E

7

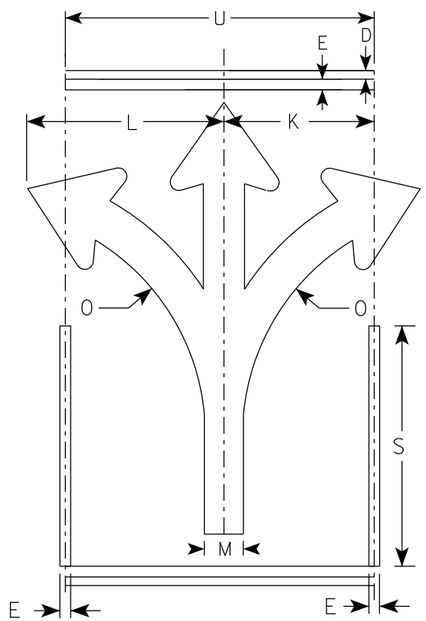
7

NOTES

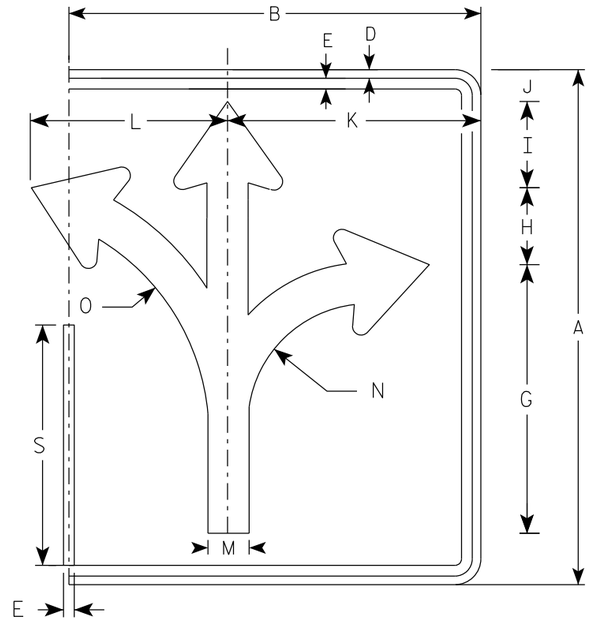
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



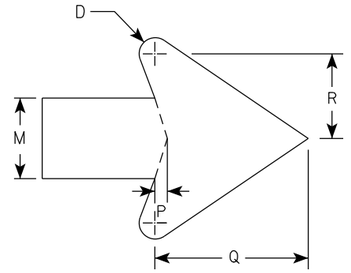
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

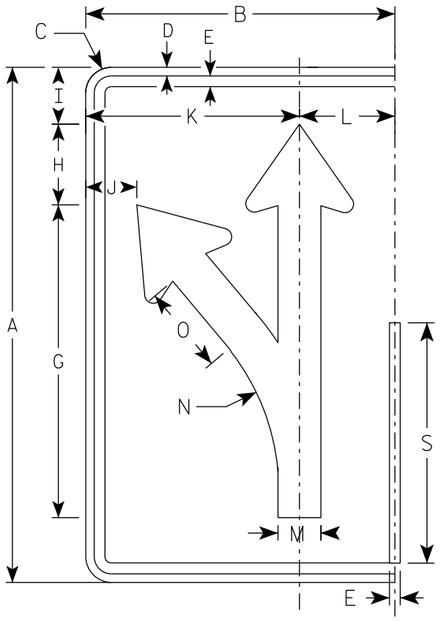
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

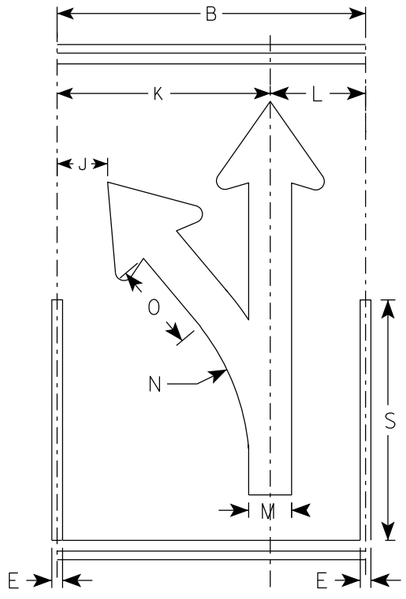
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E

NOTES

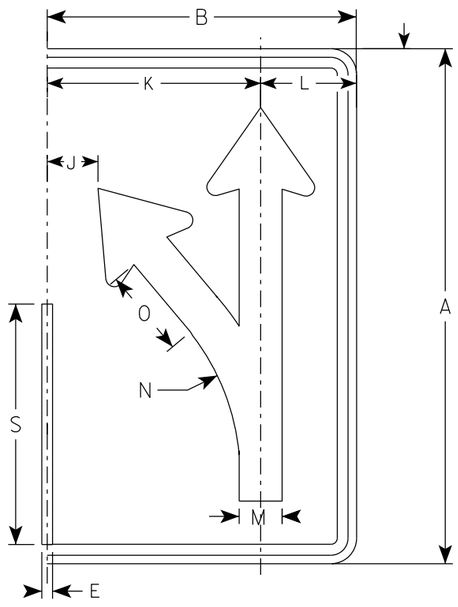
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



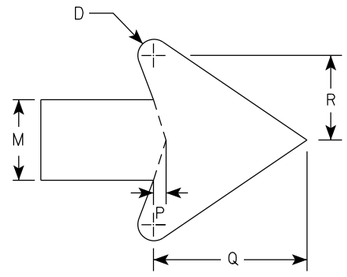
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

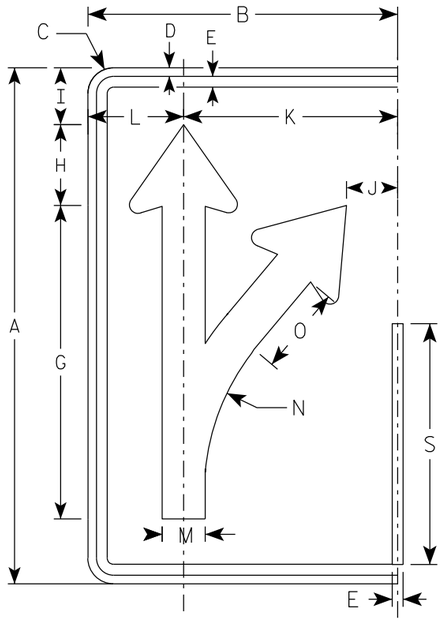
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

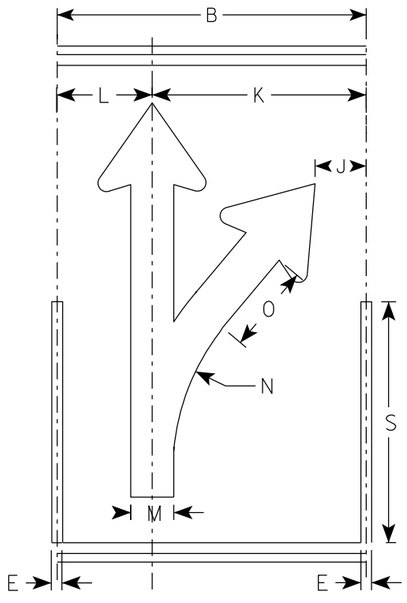
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E

NOTES

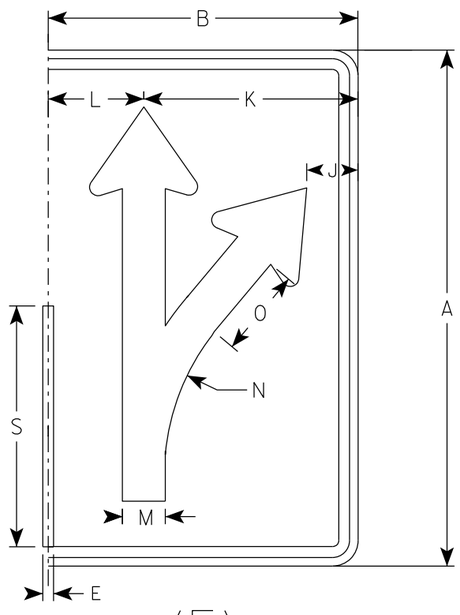
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



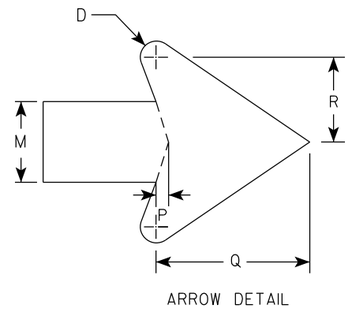
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

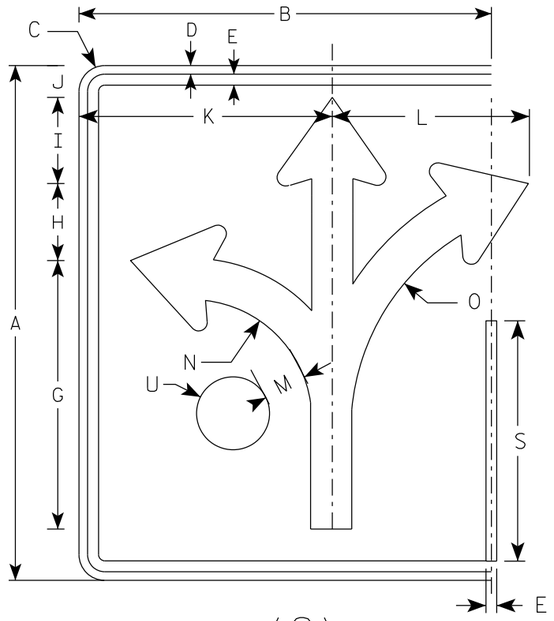
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

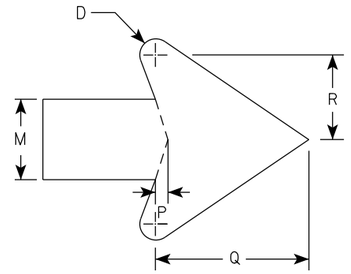
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

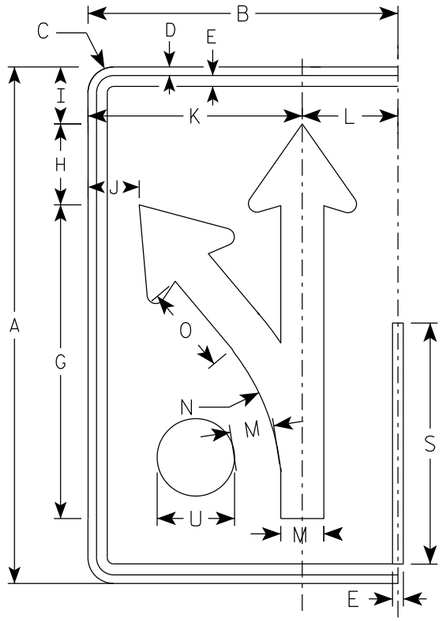
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

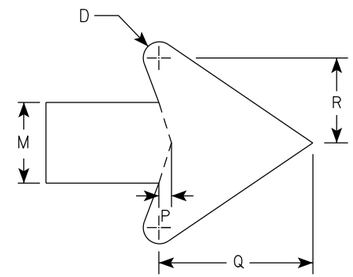
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 310	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

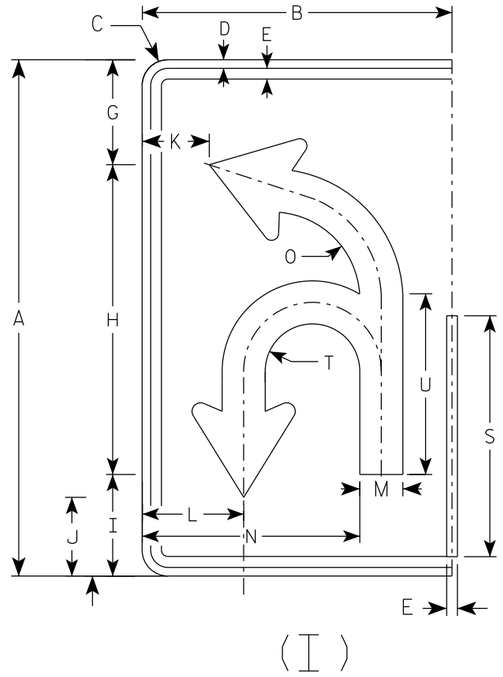
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

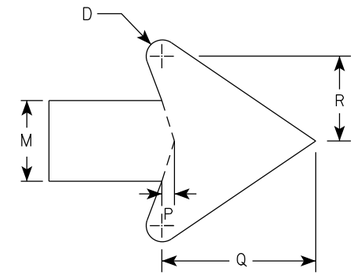
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 311 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

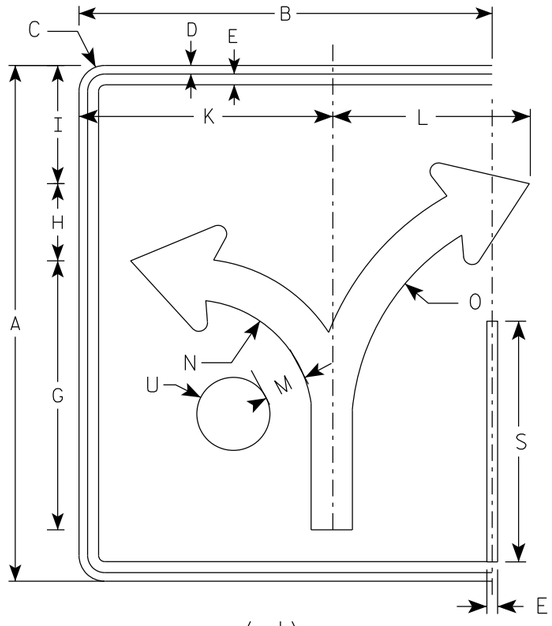
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

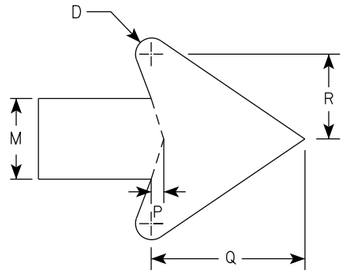
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

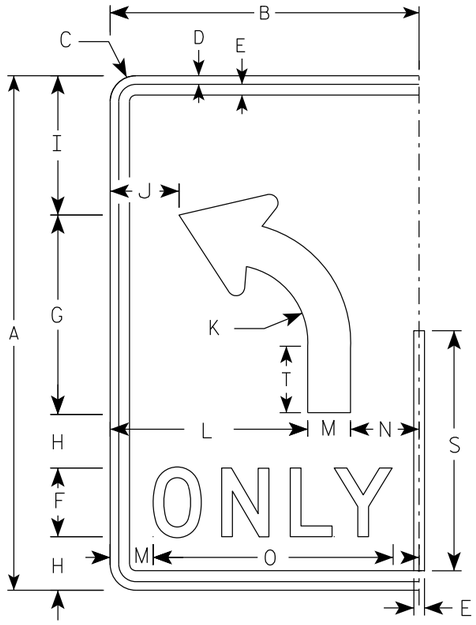
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

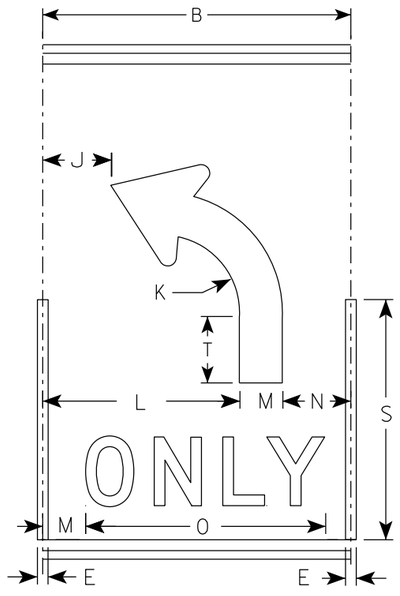
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 313 | E

NOTES

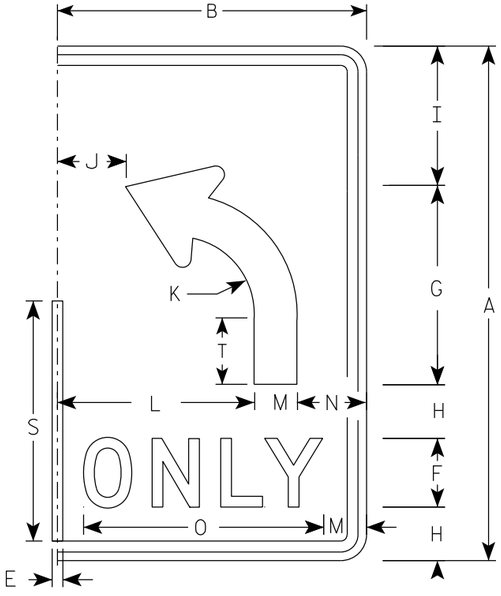
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



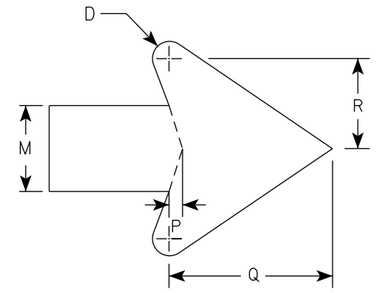
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 314 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:02 PLOT BY : mscj9h PLOT NAME :

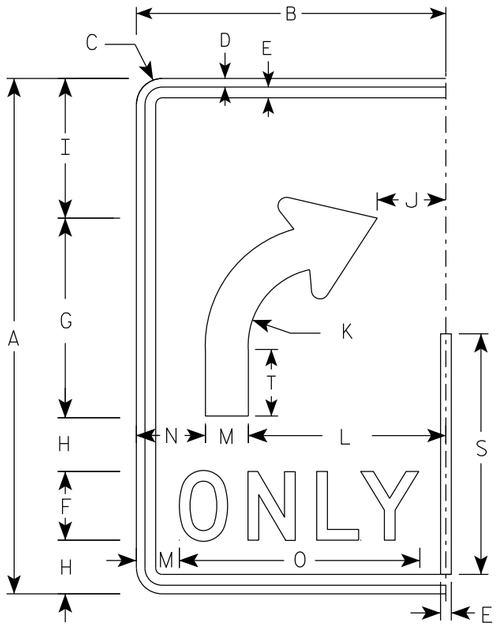
WISDOT/CADDS SHEET 42

7

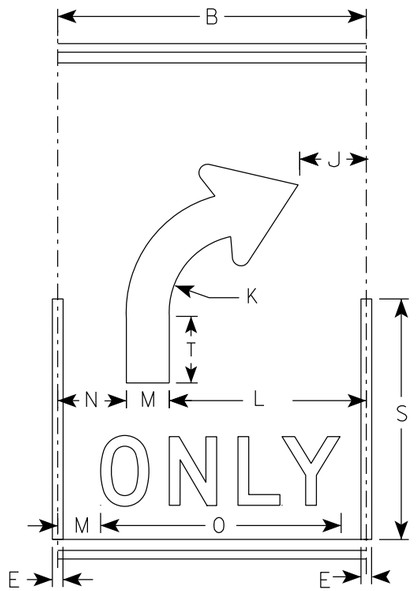
7

NOTES

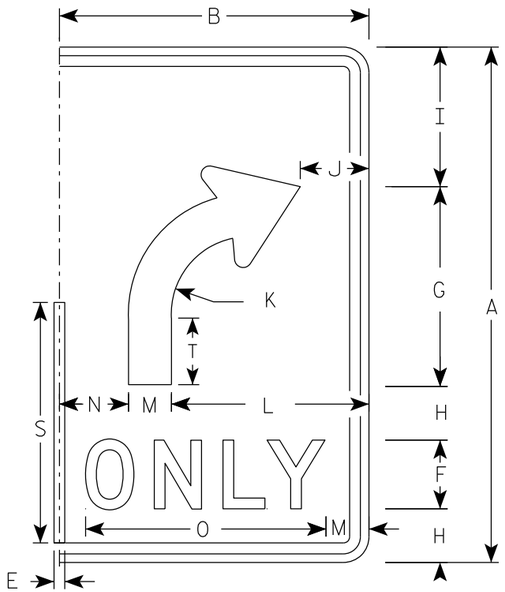
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



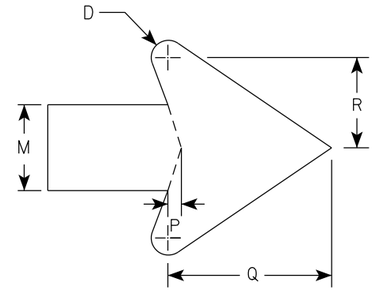
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

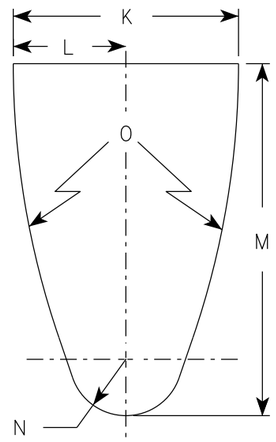
PROJECT NO:

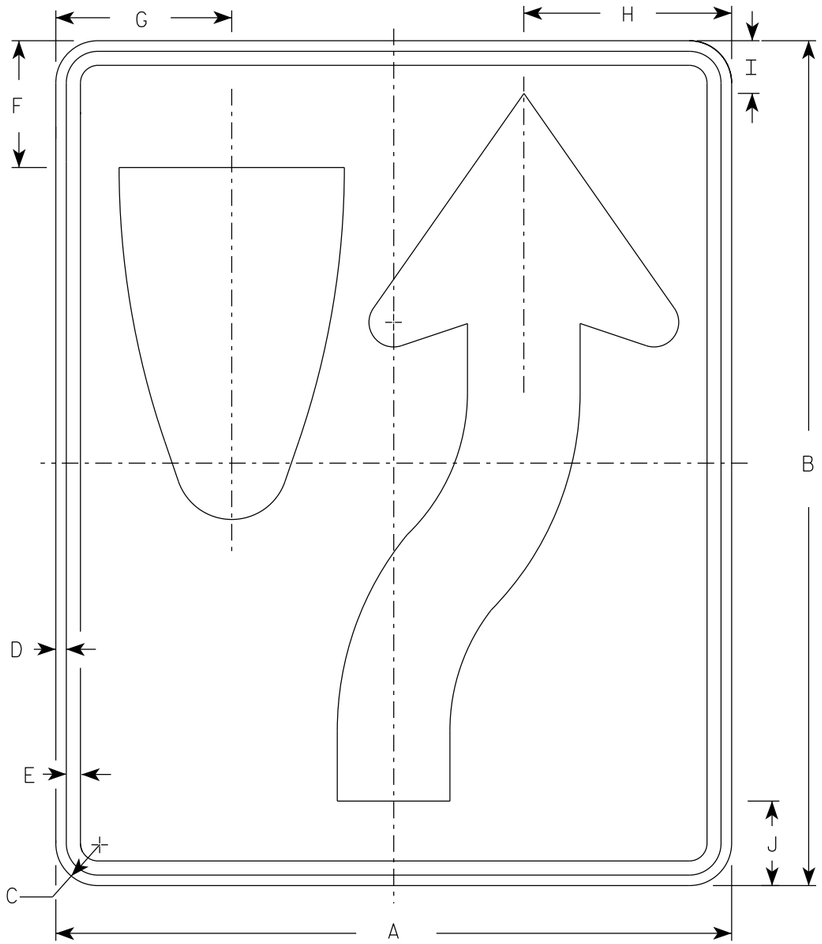
SHEET NO: 315 E

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.

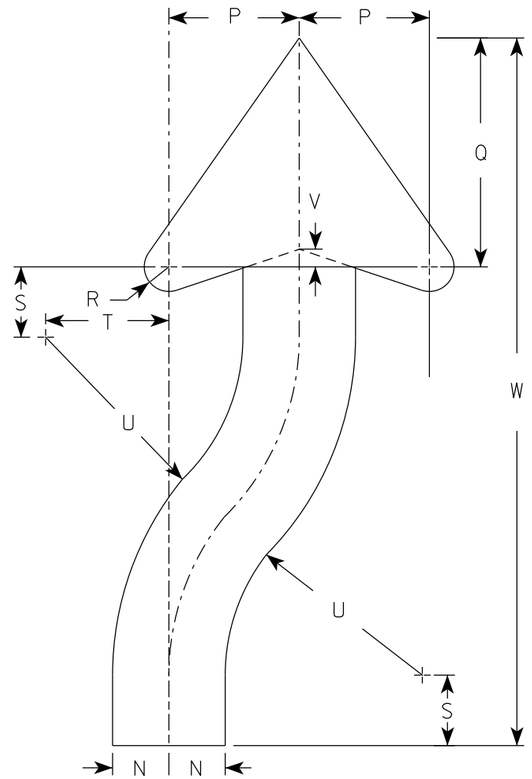
DIVIDER DETAIL





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

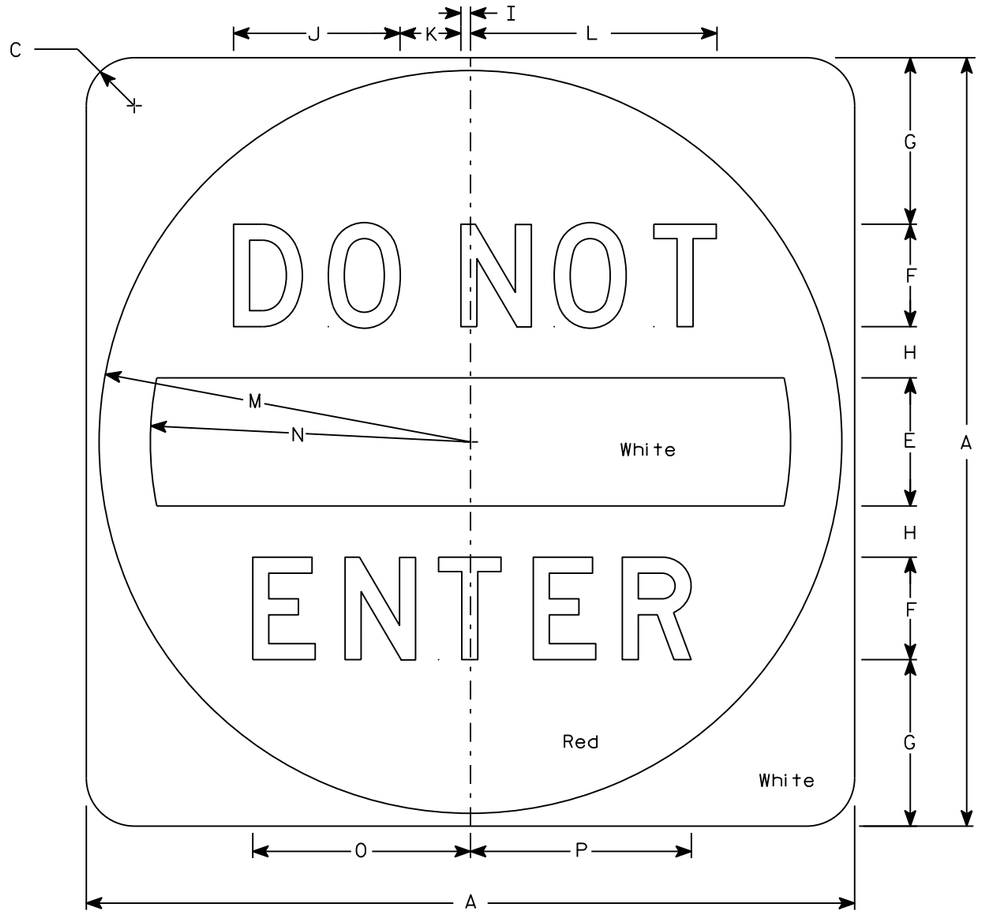
STANDARD SIGN
R4-7 & R4-8

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: 316	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

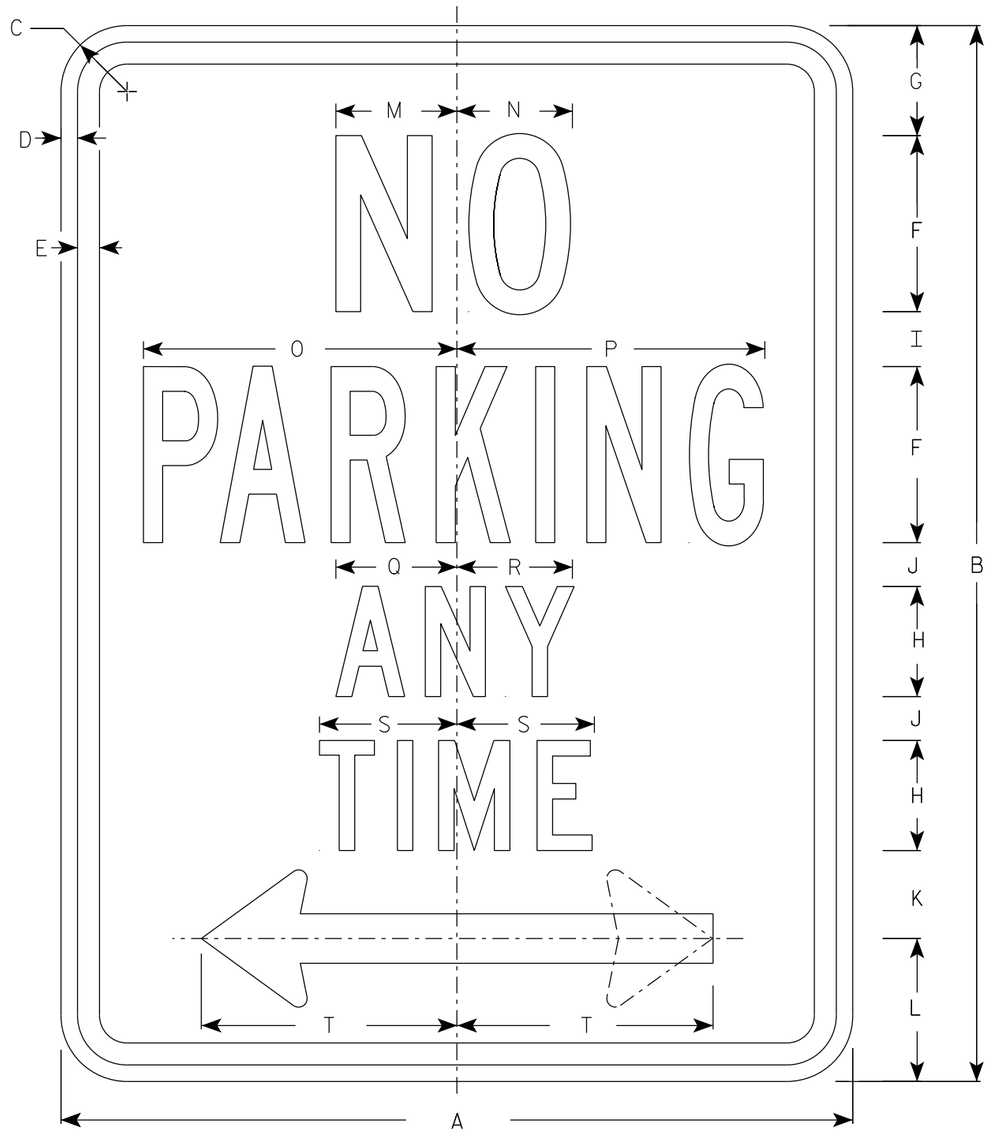
STANDARD SIGN
R5-1

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: 317 | E

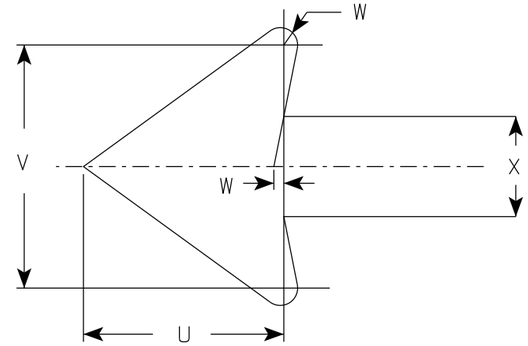


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

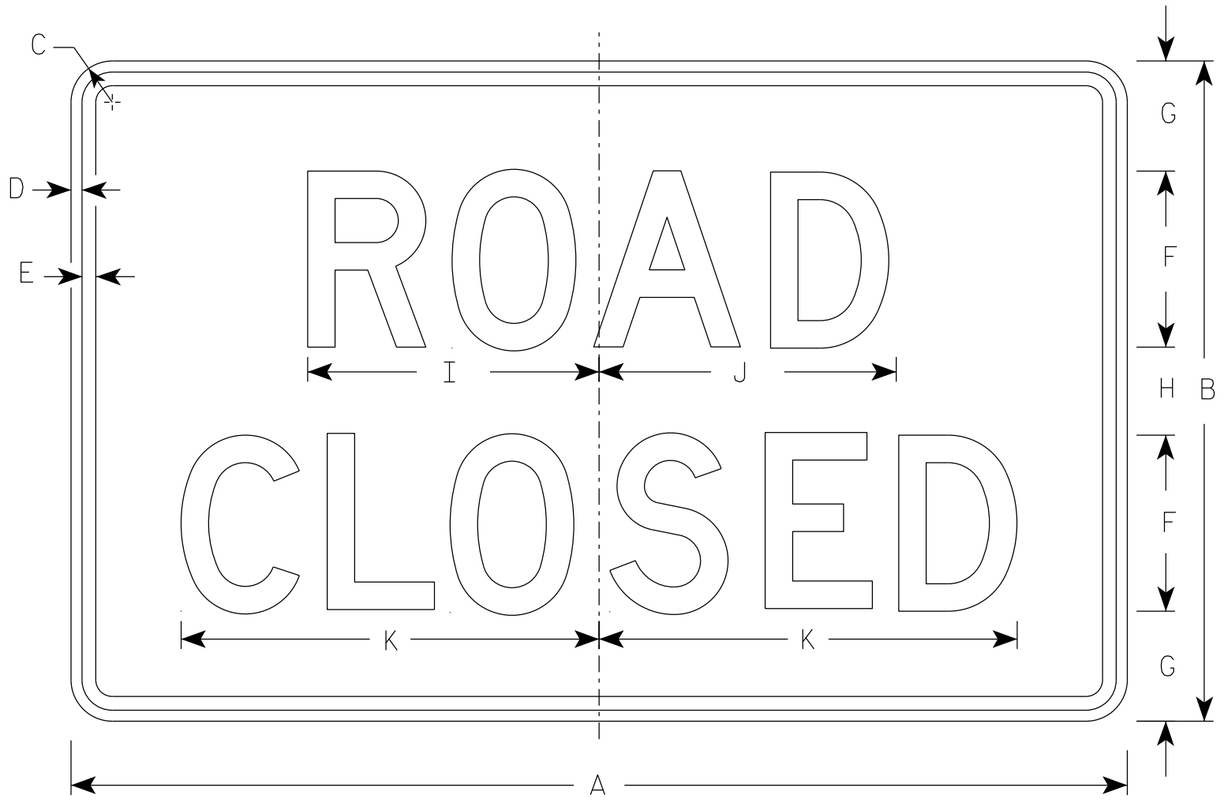
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

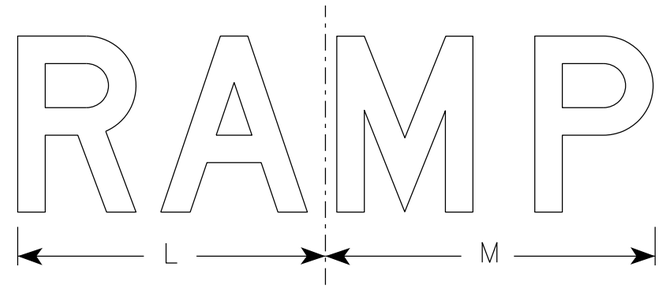
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E



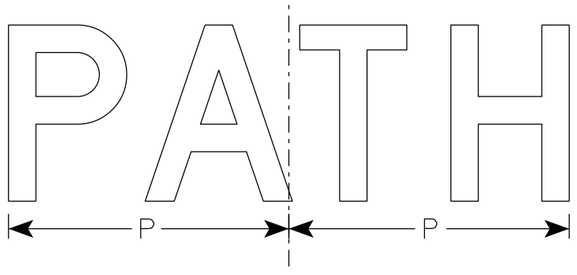
R11-2

NOTES

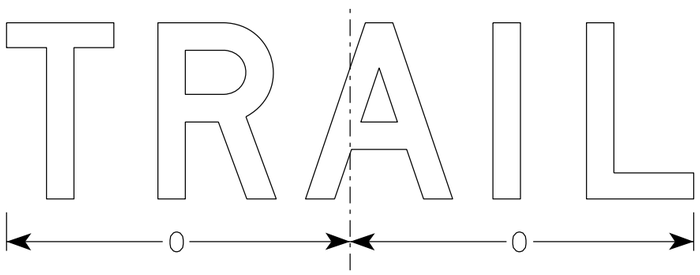
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



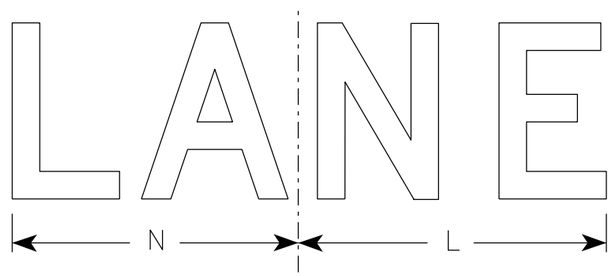
R11-2R



R11-2C



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	12 3/4											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	12 3/4											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	12 3/4											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	12 3/4											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	12 3/4											10.0

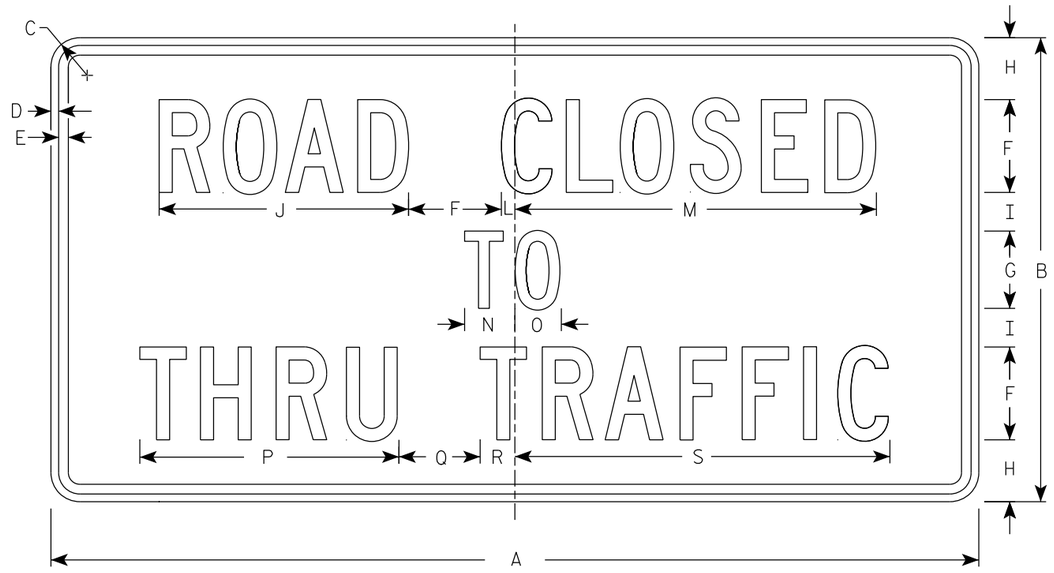
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/3/26 PLATE NO. R11-2.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

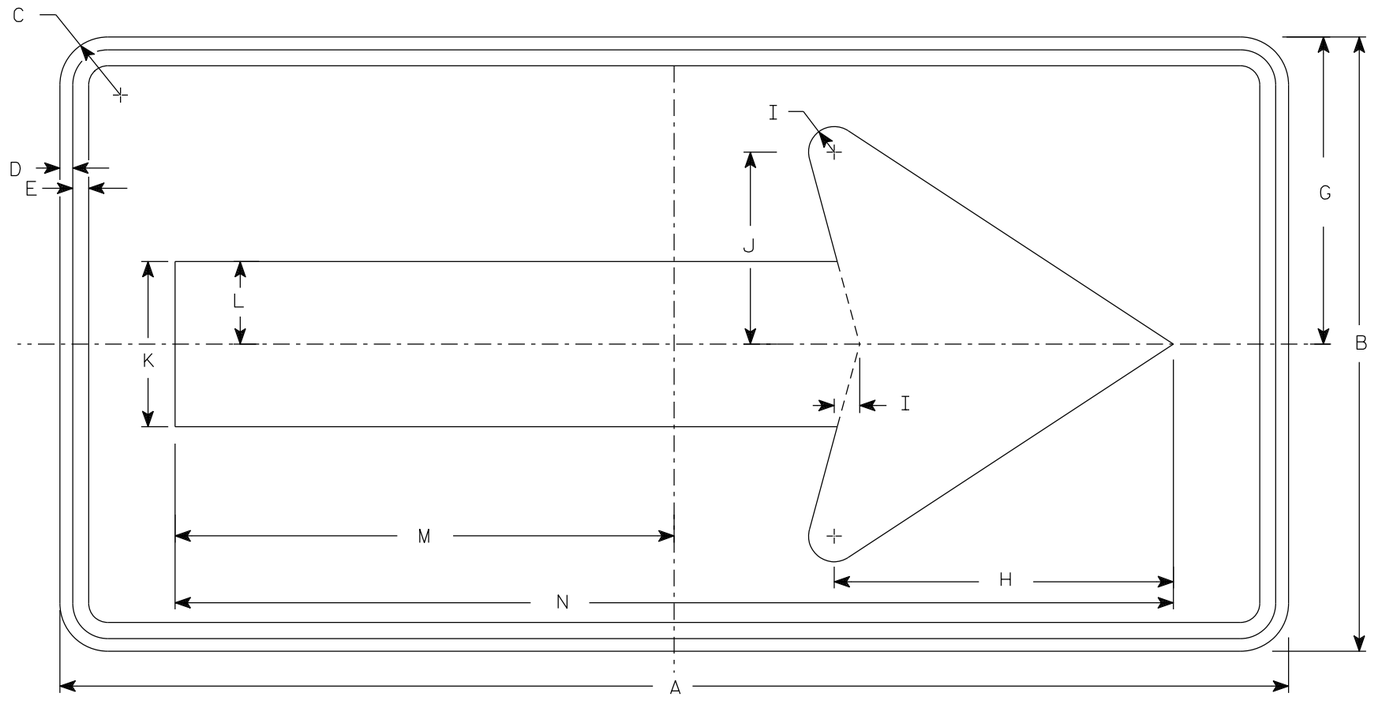
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W1-6

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
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	96	48	3	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

STANDARD SIGN

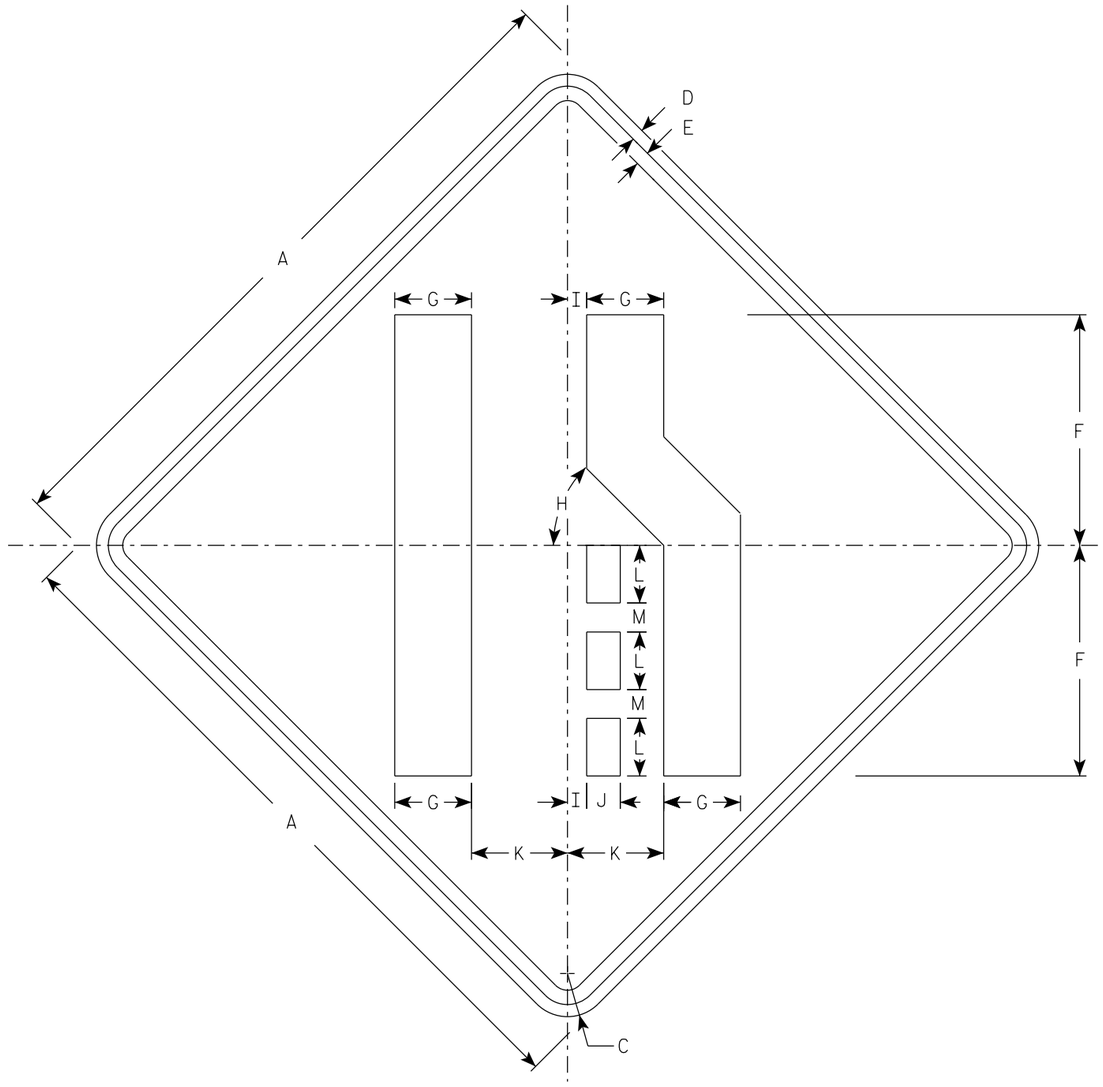
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/13/2023 PLATE NO. W1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W4-2L is the same as W4-2R except the symbolis reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
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
W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/31/2023 PLATE NO. W4-2.15

PROJECT NO:

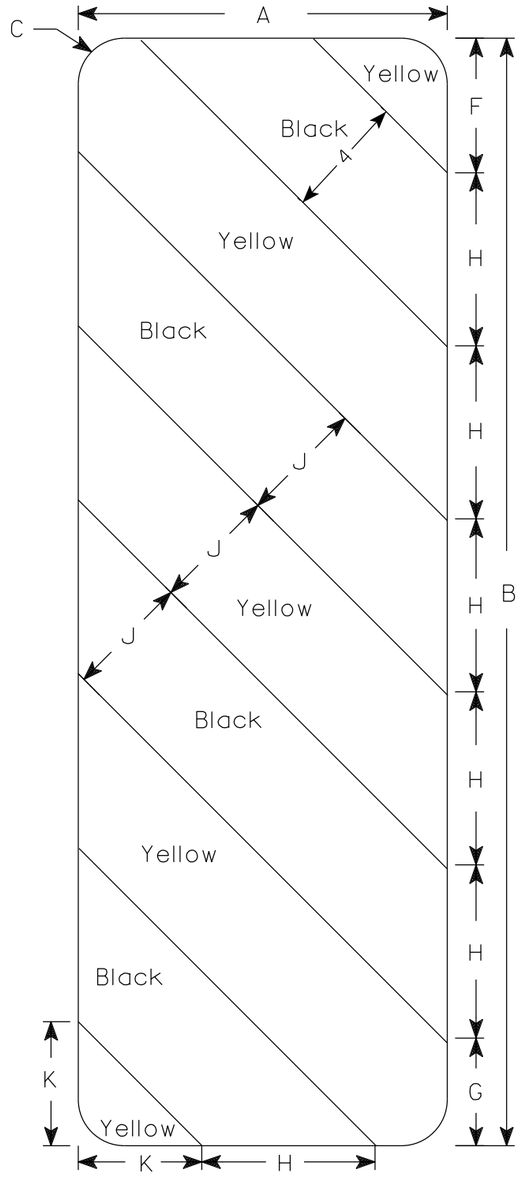
SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W42.DGN PLOT DATE : 31-AUG 2023 11:15 PLOT BY : dotc4c

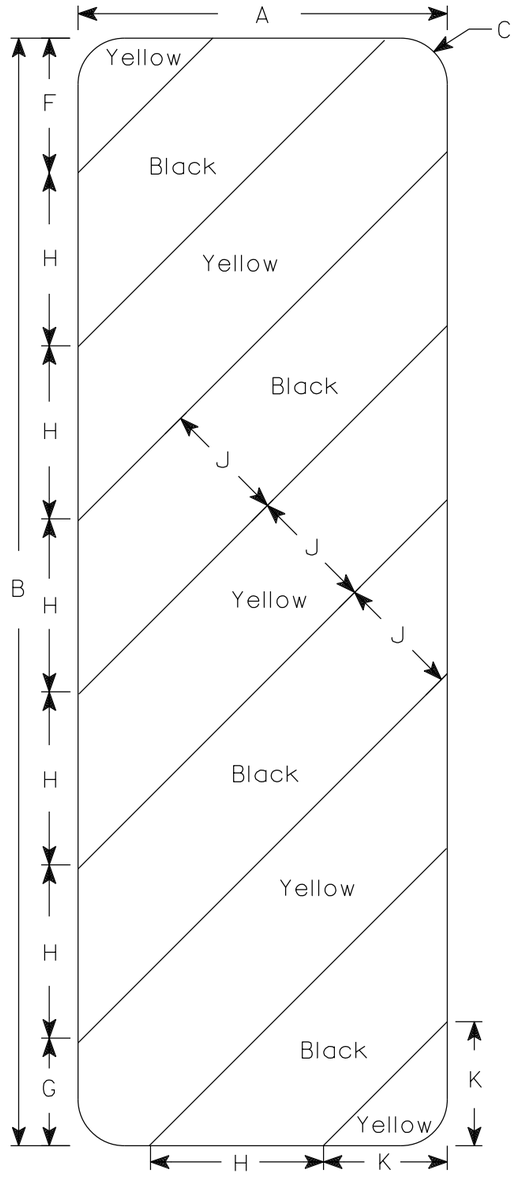
WISDOT/CADDS SHEET 42

7

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

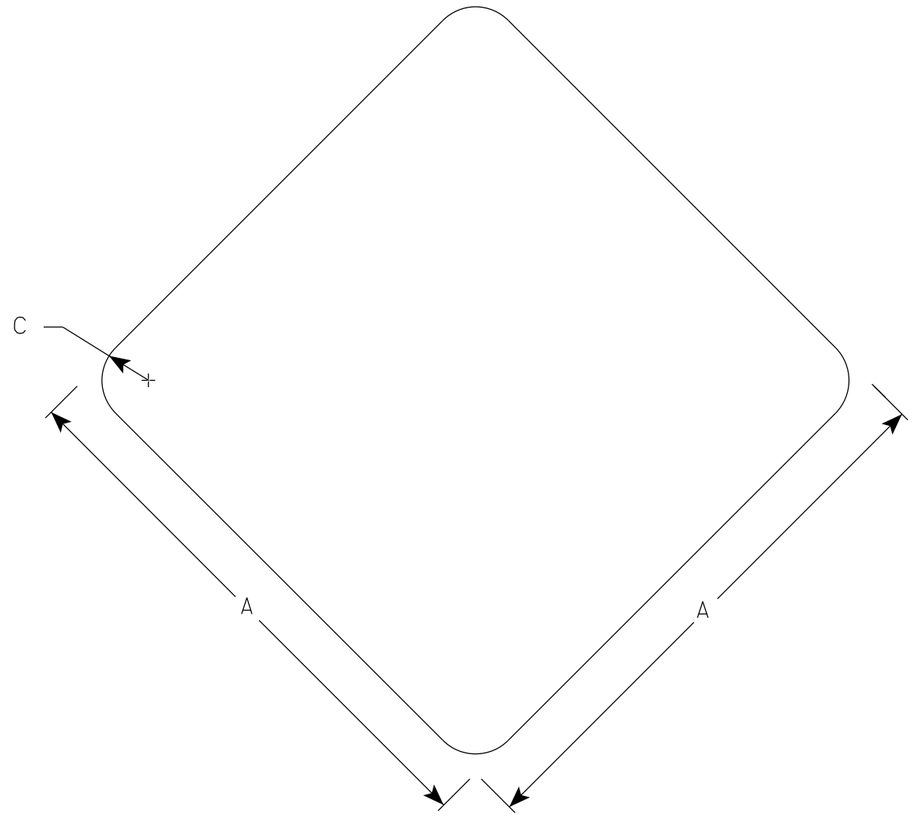
W5-52L & W5-52R

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: 323 E



W5-54

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - 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	12		1 ½																								1.0
2S	18		1 ½																								2.25
2M	18		1 ½																								2.25
3																											
4																											
5																											

STANDARD SIGN
W5-54

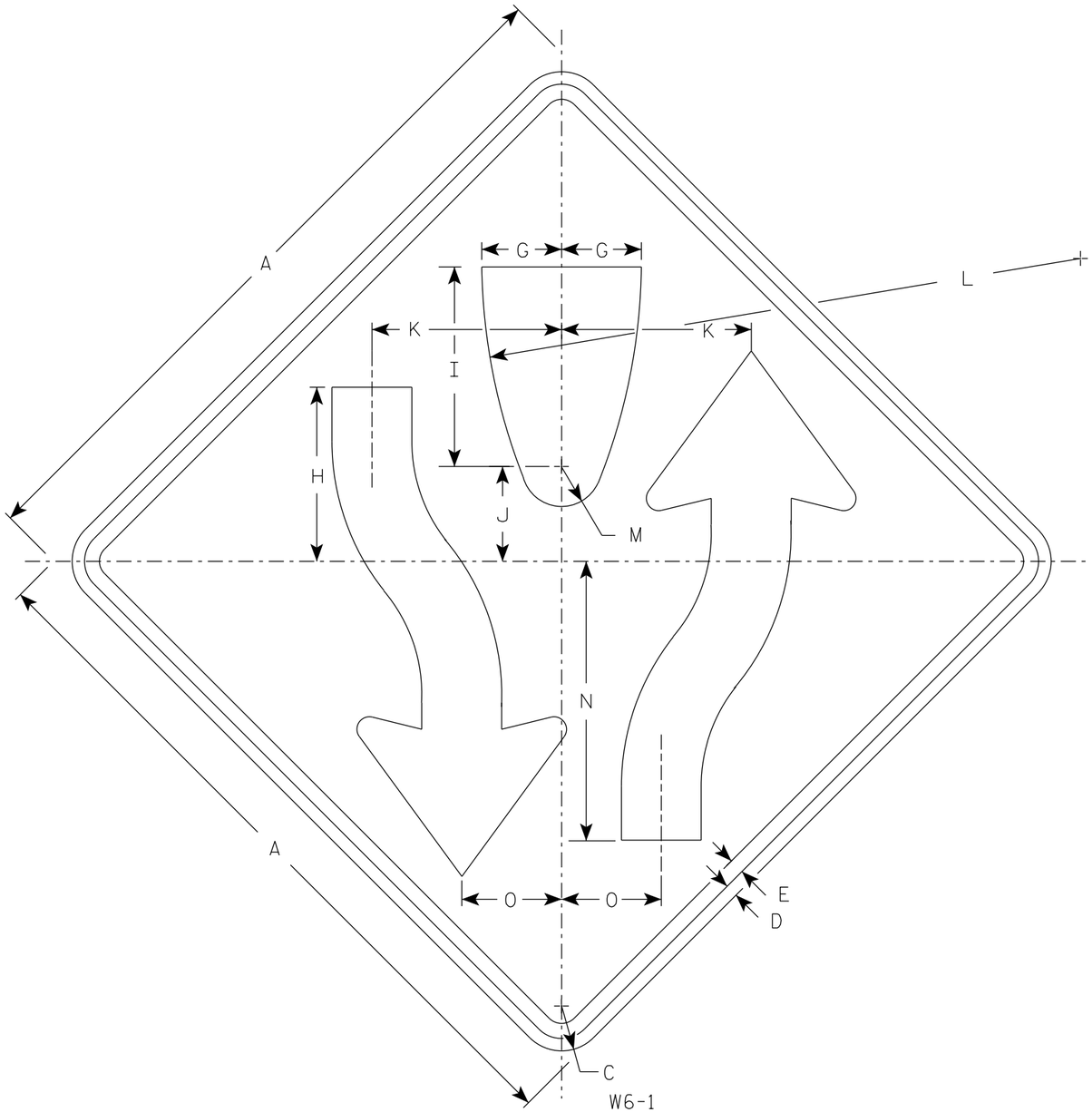
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-54.9

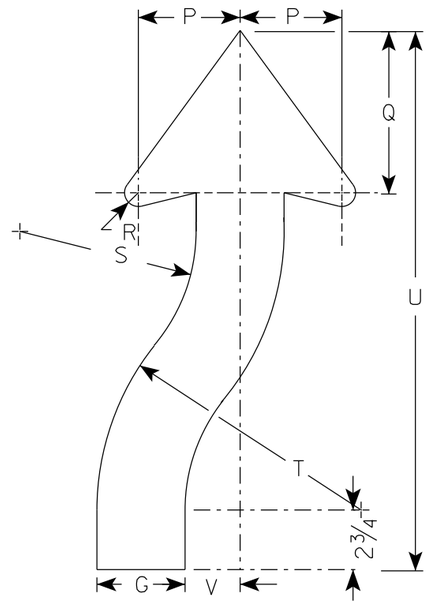
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate_W554.dgn PLOT DATE : 5-MARCH 2024 11:55 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		2 1/4	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		2 1/4	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3	36		2 1/4	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
4	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		3	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

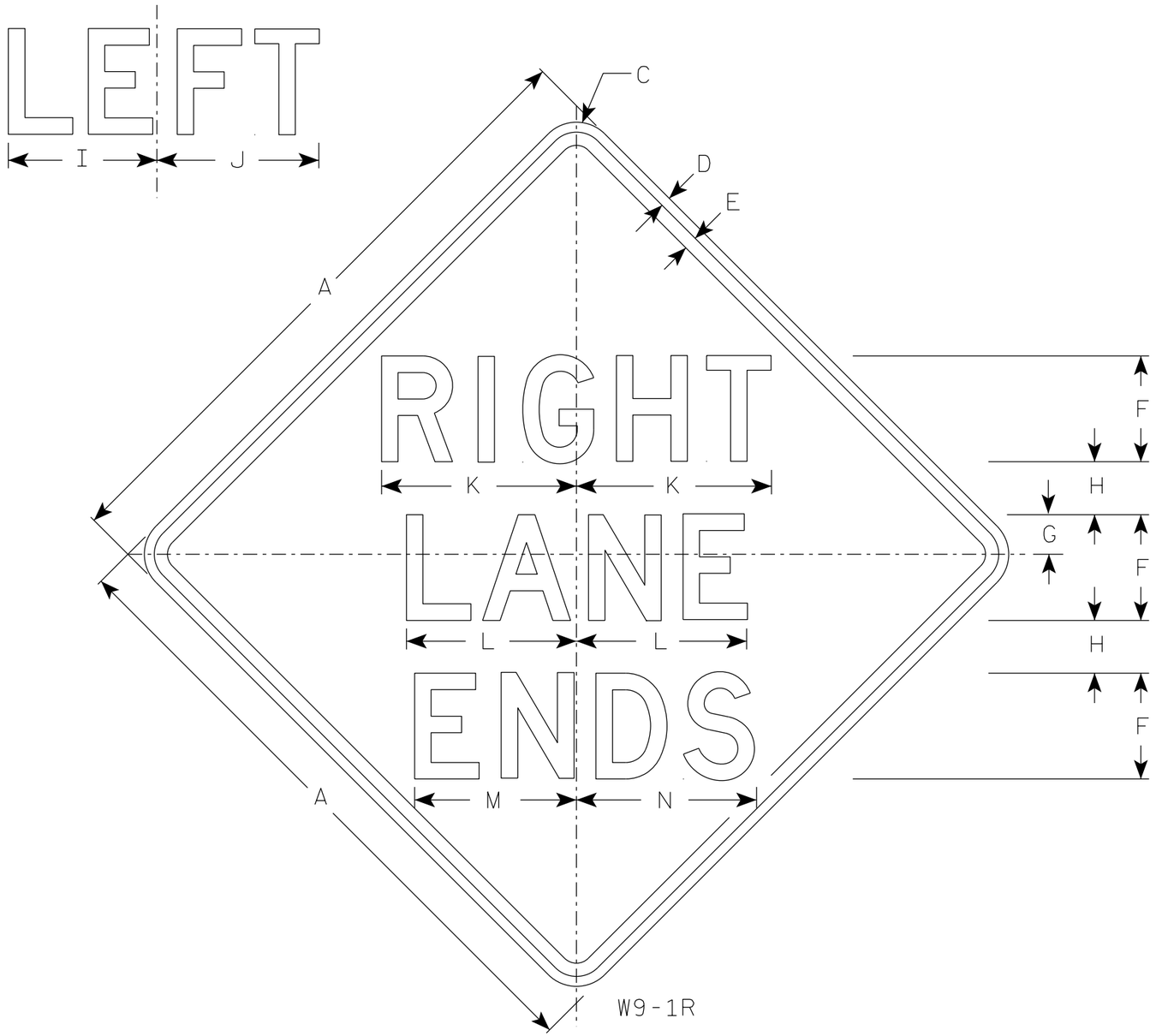
STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/6/2023 PLATE NO. W6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 325	E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. W9-1L same as W9-1R except the word Left replaces 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	30		1 7/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		3	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/2023 PLATE NO. W9-1.9

PROJECT NO:

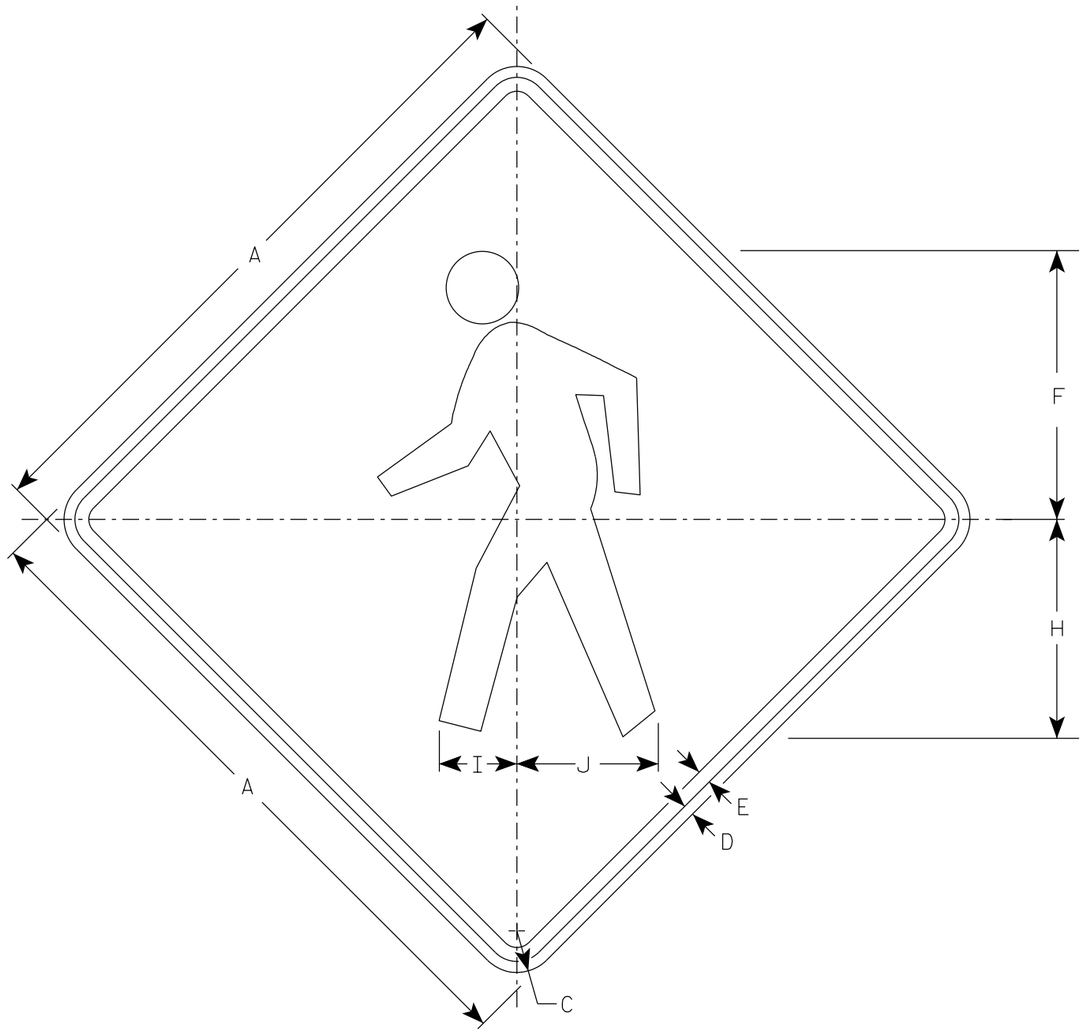
SHEET NO: 326 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W91.dgn PLOT DATE : 9-NOV 2023 1:03 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

W11-2

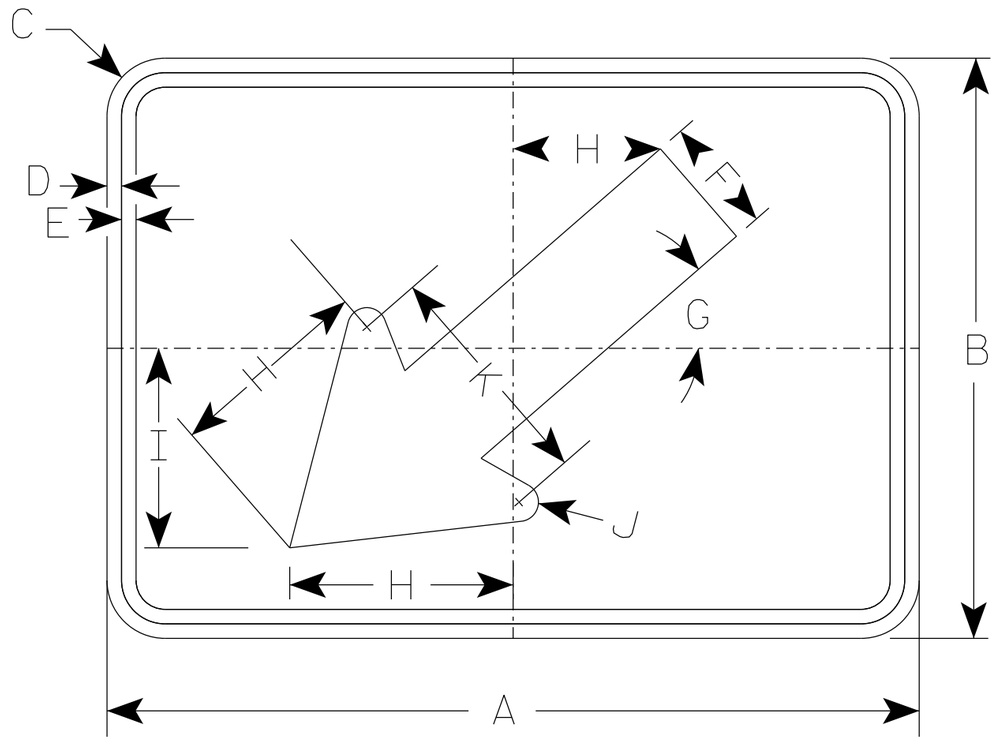
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 6/15/2023 PLATE NO. W11-2.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 21" W16-7L signs.
* For 48" x 48" Warning Signs, use 42" x 24" W16-7L signs.

	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	3	41°	5 1/4	5 1/8	1/2	6																2.19
*	2M	30	21	1 1/2	3/8	1/2	4 1/2	41°	8 5/8	7 3/4	5/8	9 1/4																4.38
*	3	30	21	1 1/2	3/8	1/2	4 1/2	41°	8 5/8	7 3/4	5/8	9 1/4																4.38
*	4	42	24	1 7/8	1/2	5/8	6	41°	10 1/4	9 1/8	1	12																7.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

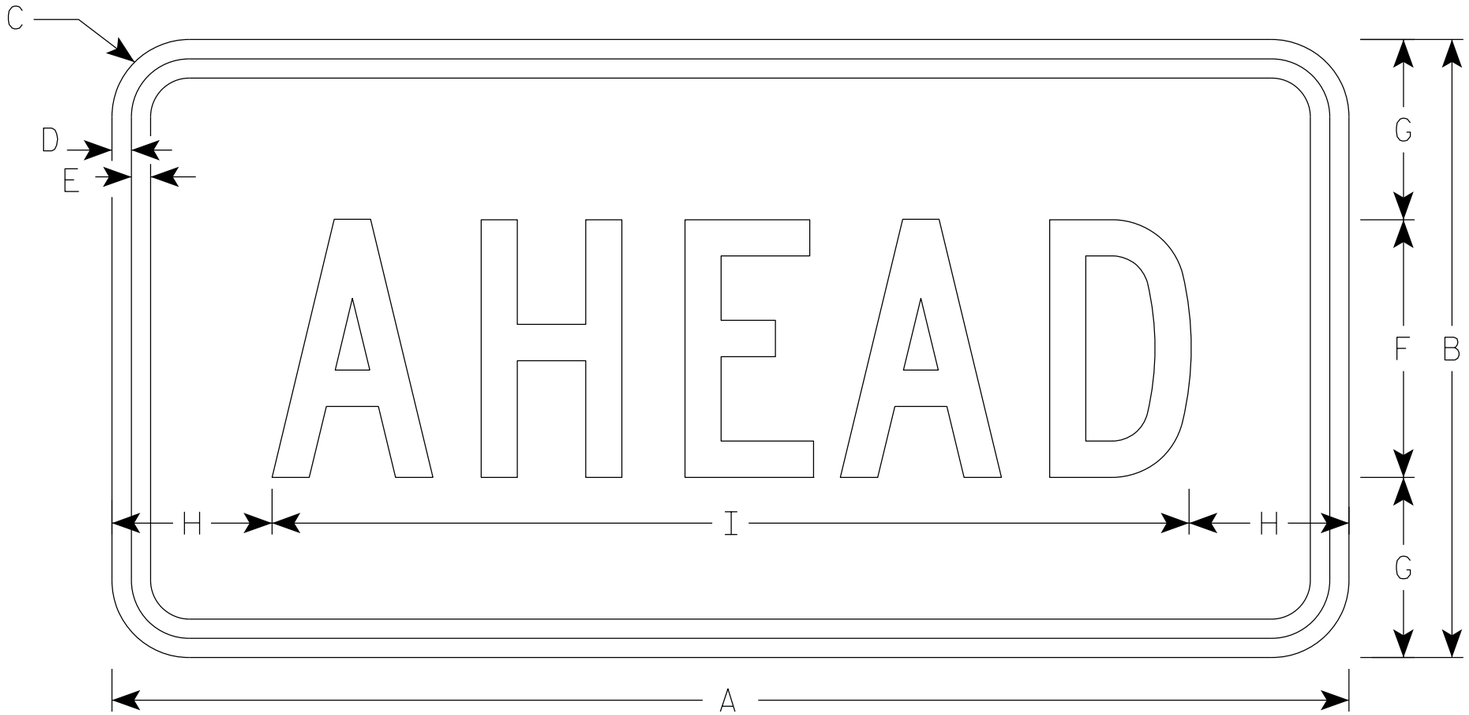
DATE 4/29/26 PLATE NO. W16-7.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 328 | E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C



W16-9P

* For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-9P signs.

	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	5	3 1/2	3 1/8	17 3/4																		2.0
*	2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
*	3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
*	4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
	5																											

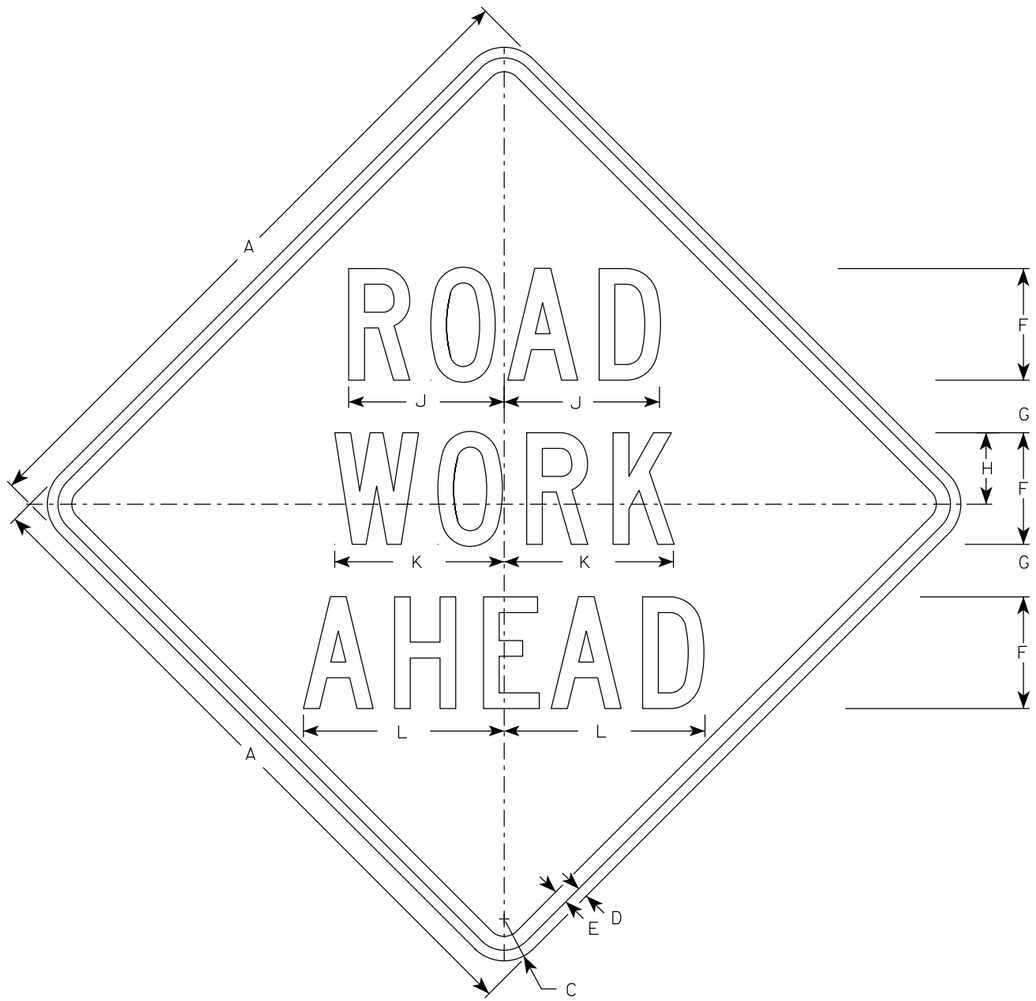
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

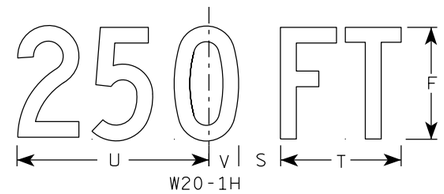
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

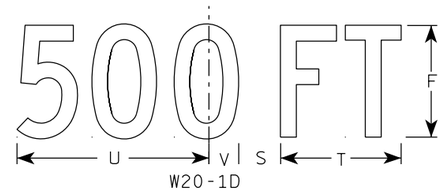
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 329 E



W20-1A



W20-1H



W20-1D



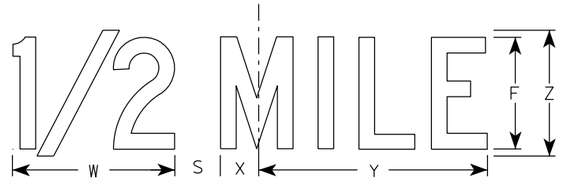
W20-1C



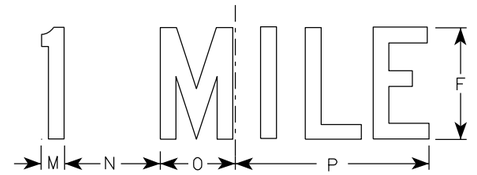
W20-1B

NOTES

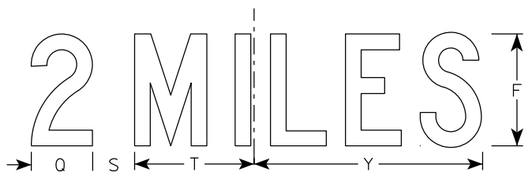
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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:

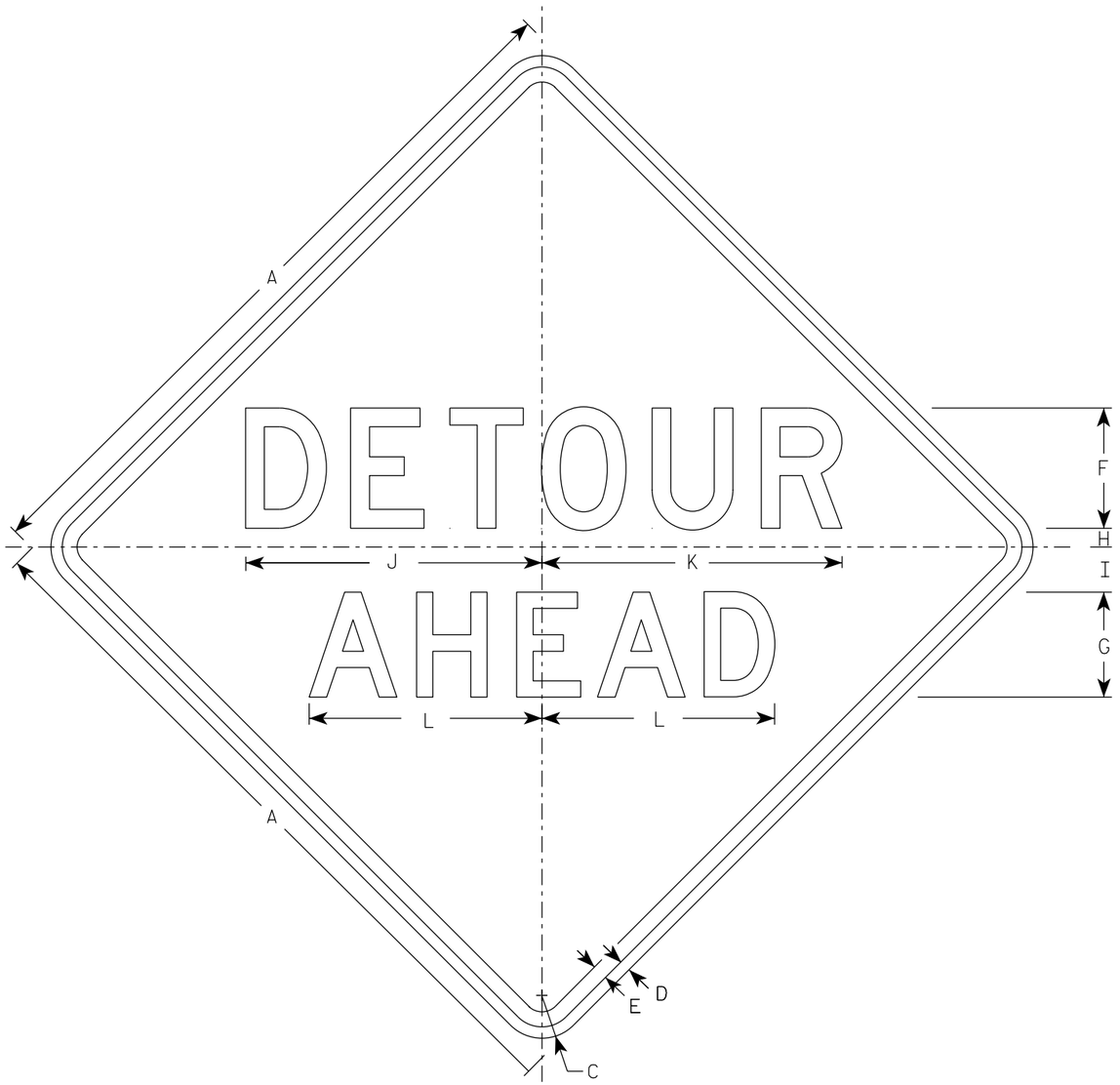
SHEET NO: 330 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

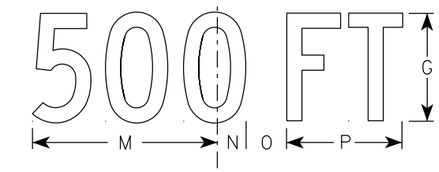
WISDOT/CADDS SHEET 42

7

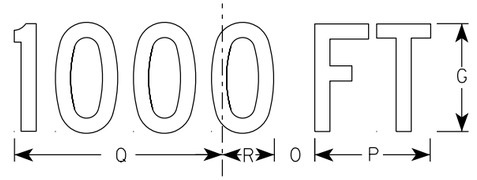
7



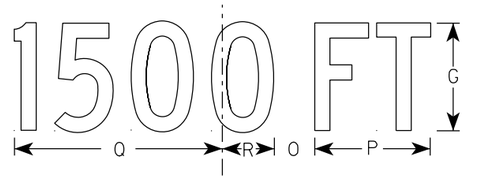
W20-2A



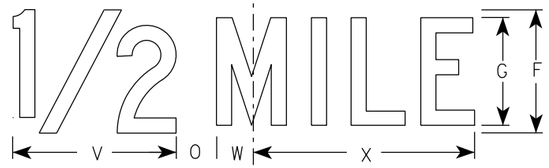
W20-2D



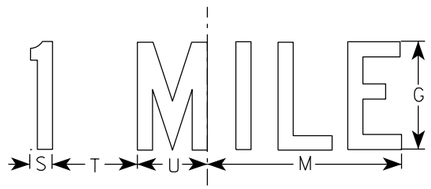
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

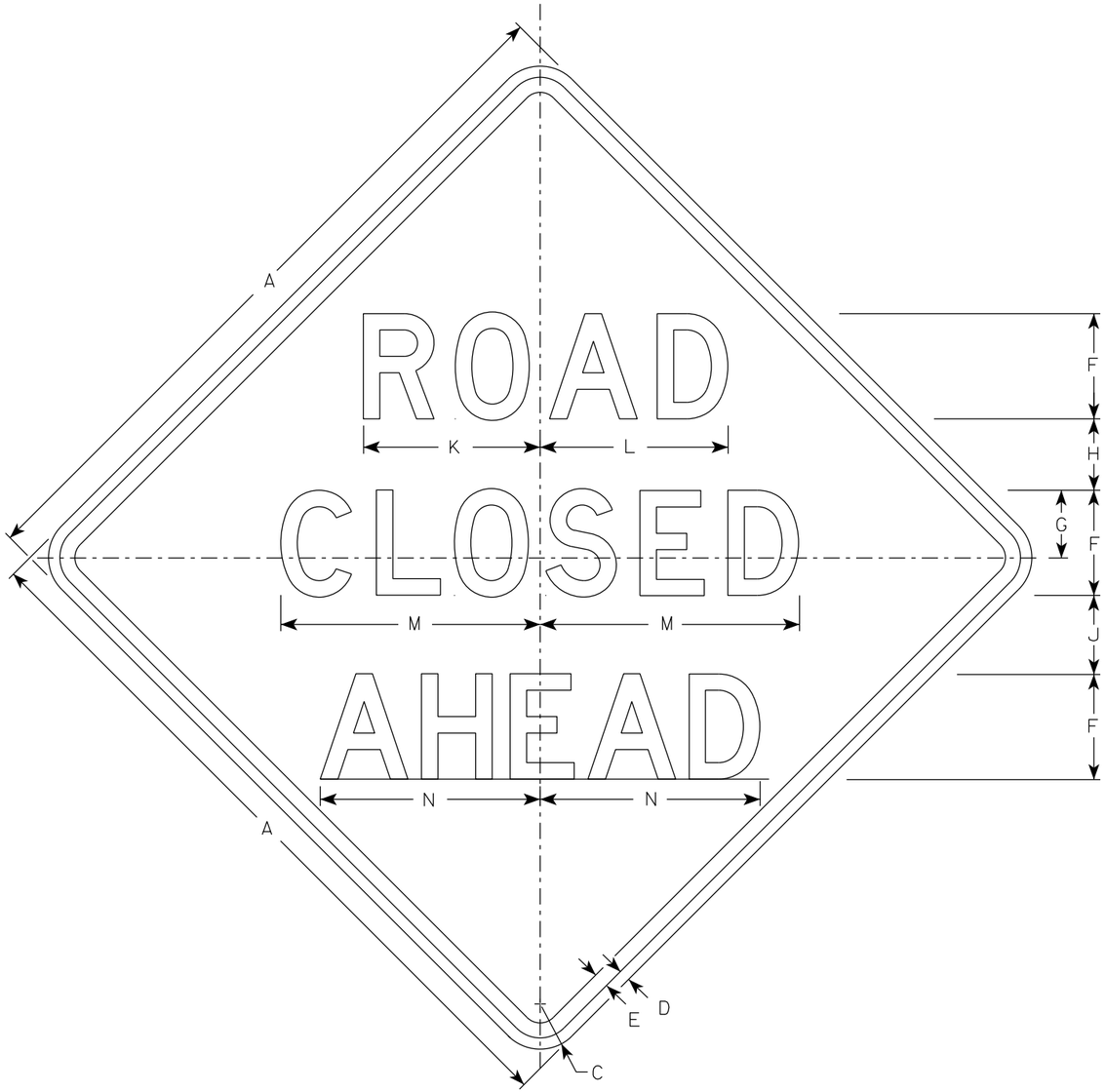
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

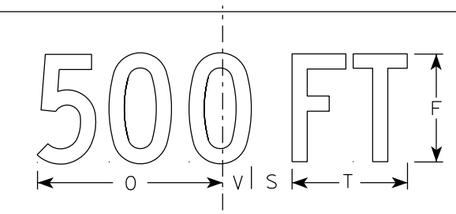
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

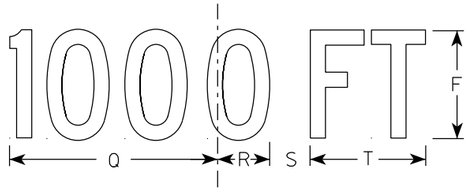
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



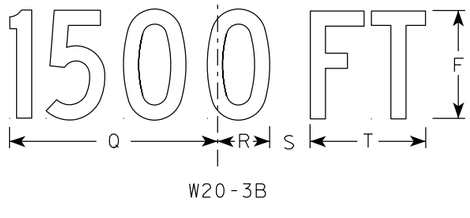
W20-3A



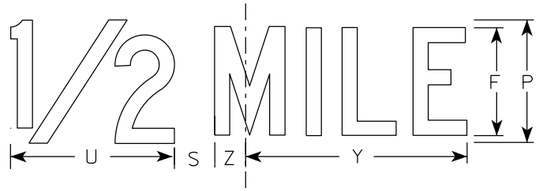
W20-3D



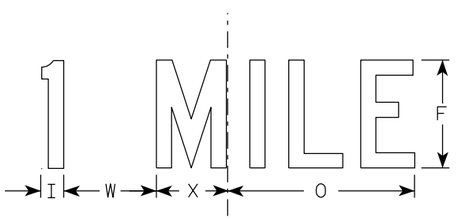
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

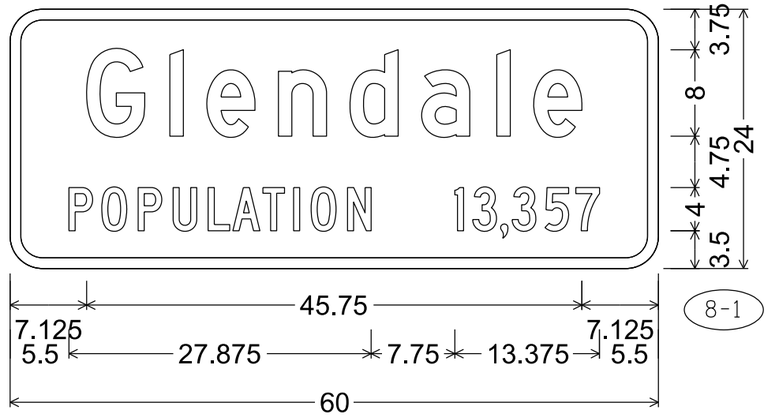
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

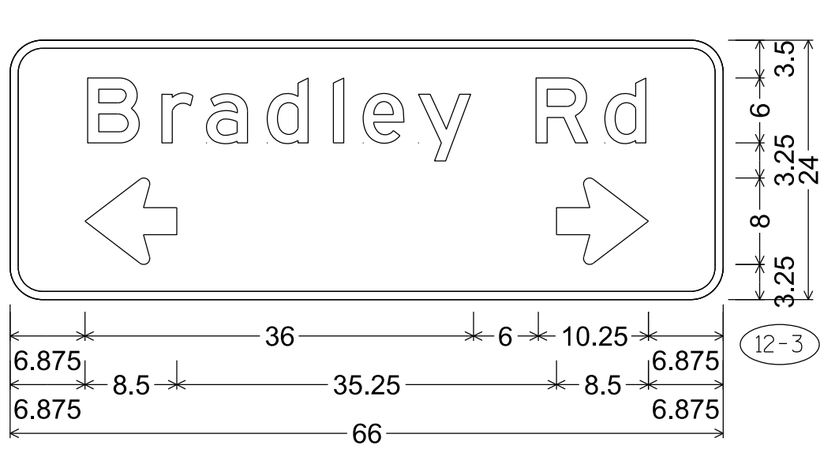
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



I2-1P; 3.000" Radius, 1.000" Border,
"Glendale", D; "POPULATION", C;"13,357", C



D1-61; 3.000" Radius, 0.750" Border

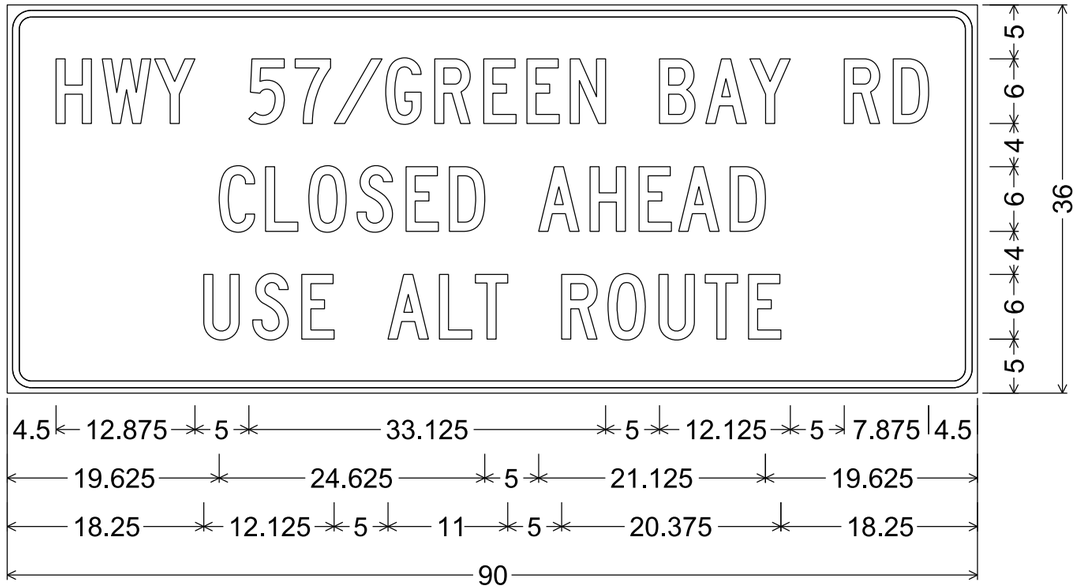
NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E except as noted

7

7

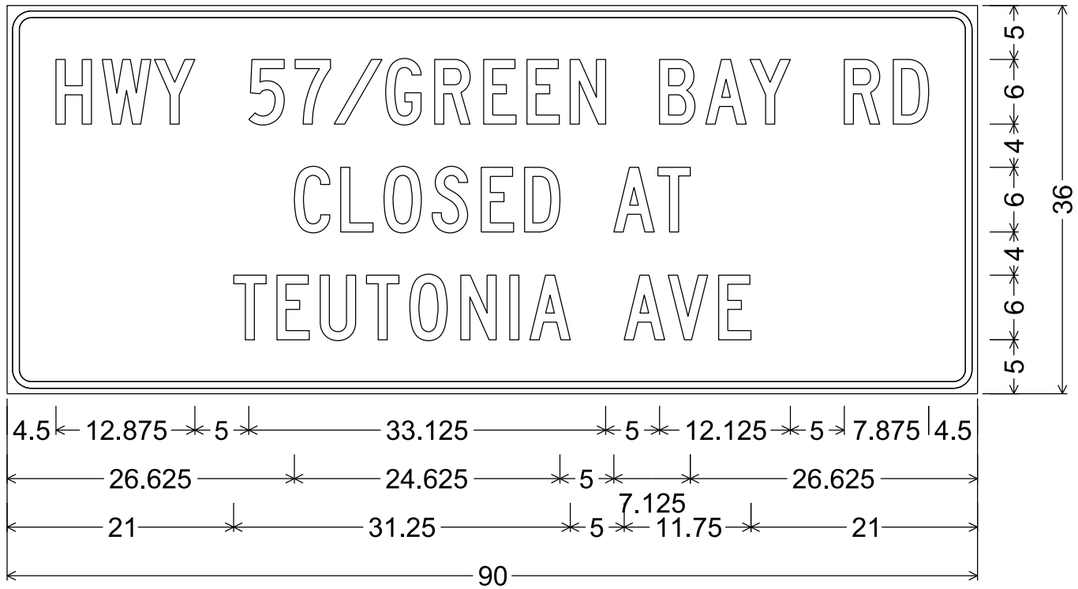
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO: 333	E



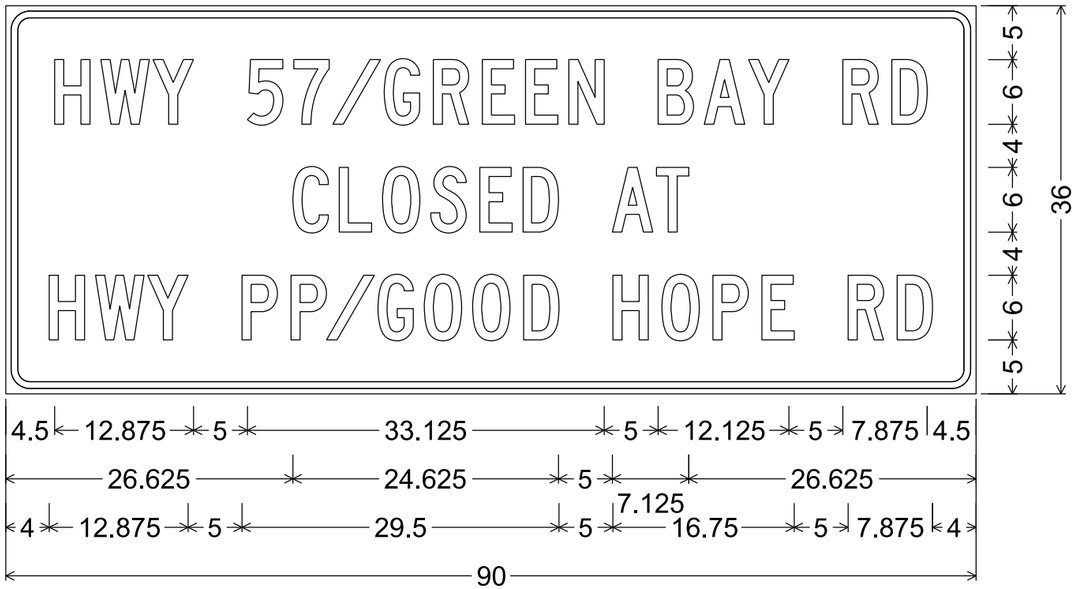
2.250" Radius, 0.625" Border, 0.500" Indent

NOTES

1. FMS signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C



2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent

7

7

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	TEMPORARY SIGNING	SHEET NO: 334	E

STATE PROJECT NUMBER

2565-03-73

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS20
INVENTORY RATING FACTOR: HS28
OPERATING RATING FACTOR: HS47
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS

EARTH LOAD:

EXISTING STRUCTURE DESIGNED FOR 3'-4" OF FILL.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

TRAFFIC DATA

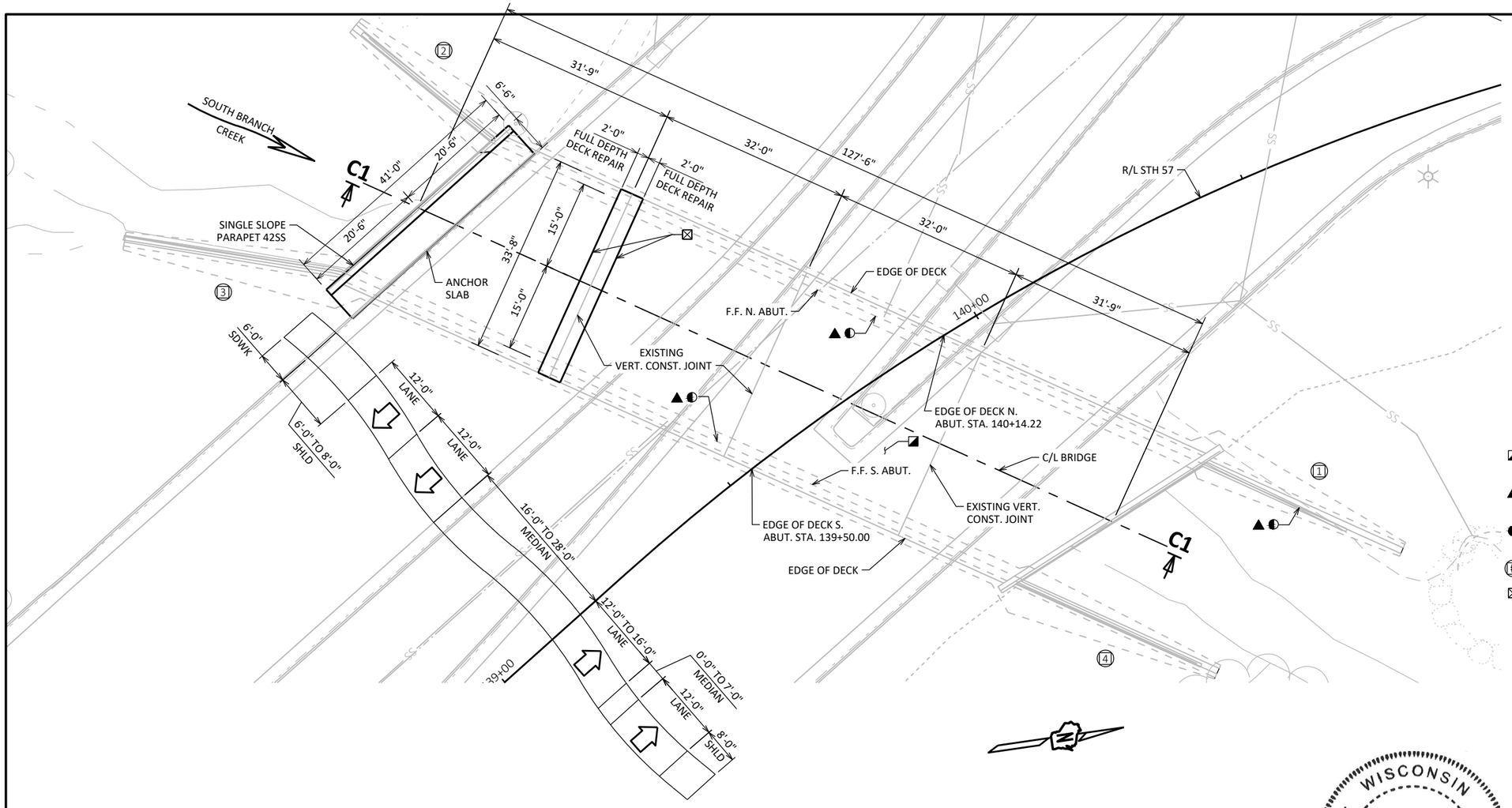
	ADT (2026)	DESIGN SPEED (MPH)
STH 57:	11,260	45

LEGEND

- CONCRETE SURFACE REPAIR AT UNDERSIDE OF CONCRETE DECK AS DIRECTED BY THE FIELD ENGINEER.
- CONCRETE SURFACE REPAIR AT FACE OF ABUTMENT AND WINGS AS DIRECTED BY THE FIELD ENGINEER.
- EPOXY CRACK SEALING OF VERTICAL CRACKS AT FACE OF ABUTMENT AND WINGS AS DIRECTED BY THE FIELD ENGINEER.
- (#) INDICATES WING NUMBER.
- ☒ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ACROSS TOP SLAB AND DOWN WALL 3'-0". CENTER ON JOINT.

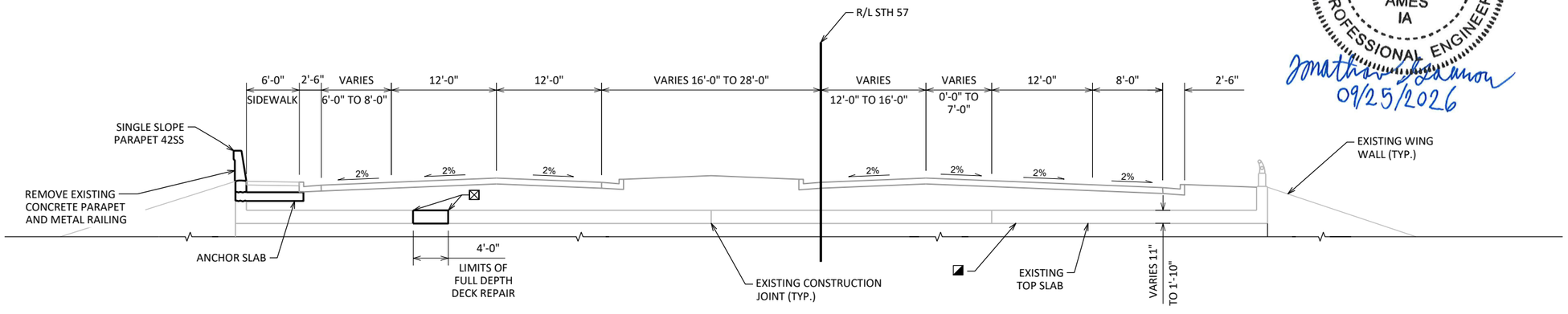
LIST OF DRAWINGS:

1. GENERAL PLANS
2. CROSS SECTION & QUANTITIES
3. FULL DEPTH REPAIR DETAILS
4. SINGLE SLOPE PARAPET 42SS



PLAN

(REHABILITATION OF SINGLE-SPAN BURIED SLAB BRIDGE)



SECTION C1

WISCONSIN
JONATHAN F. GANNON
E-103288-6
AMES
IA
PROFESSIONAL ENGINEER

Jonathan F Gannon
09/25/2026

STRUCTURE DESIGN CONTACTS:

DESIGN CONSULTANT CONTACT:
JONATHAN GANNON 515-233-0000

BUREAU OF STRUCTURES CONTACT:
AARON BONK 608-261-0261

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
126 NORTH JEFFERSON STREET
SUITE 350
MILWAUKEE, WISCONSIN 53202
(414) 271-0771
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 09/25/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-40-155

STH 57 OVER SOUTH BRANCH CREEK

COUNTY	VILLAGE
MILWAUKEE	BROWN DEER

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
JFG	KRB	ZHC	KRB

GENERAL PLAN

SHEET 1 OF 4
335

I.D.

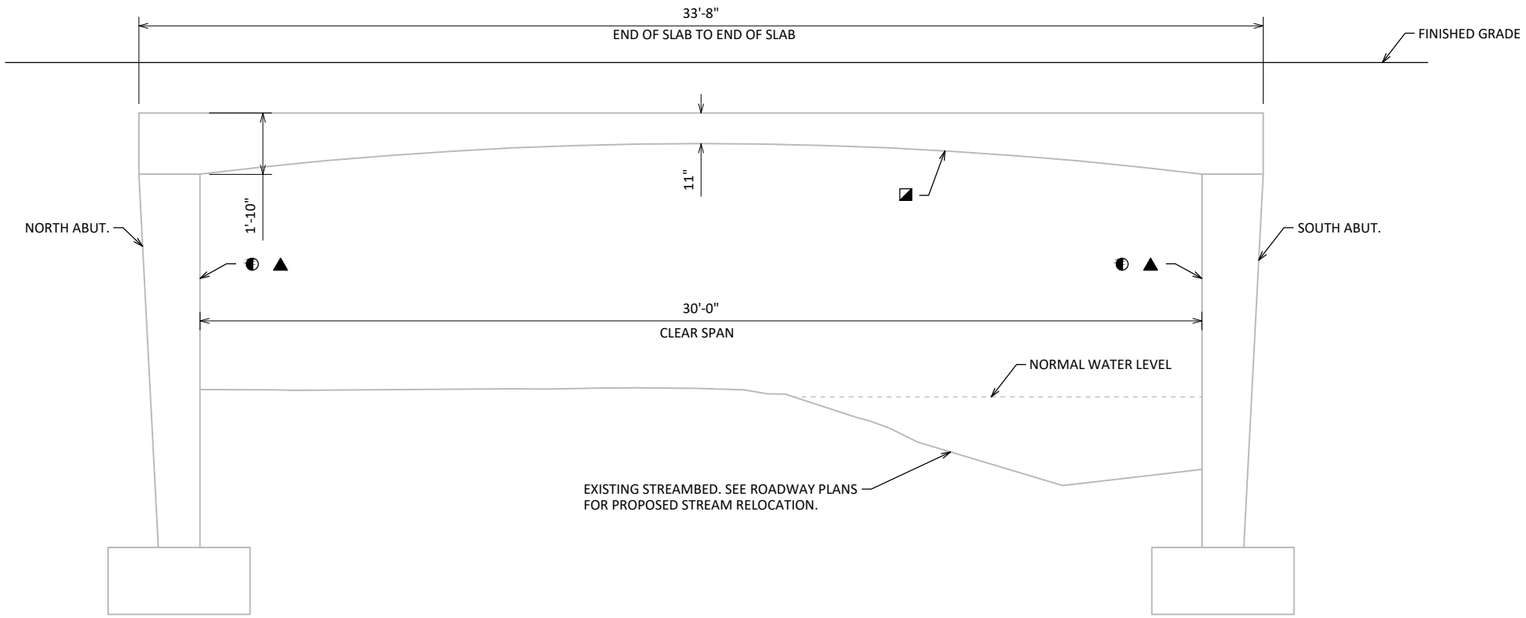
DATE:

8

8

STATE PROJECT NUMBER

2565-03-73



CROSS-SECTION THRU FRAME

(LOOKING EAST)

GENERAL NOTES

SCOPE OF WORK

- CONCRETE SURFACE REPAIR AT UNDERSIDE OF SUPERSTRUCTURE AND FACES OF ABUTMENTS
- VERTICAL CRACK SEALING AT FACE OF ABUTMENTS
- FULL DEPTH DECK REPAIR AT EXISTING SUPERSTRUCTURE CONSTRUCTION JOINT.
- REMOVE EXISTING WEST PARAPET AND REPLACE WITH 42SS CONCRETE PARAPET AND ANCHOR SLAB.

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1/2-INCH DEEP SAW CUT, UNLESS SPECIFIED OTHERWISE.

CONCRETE MASONRY DECK REPAIR SHALL BE USED AT FULL DEPTH DECK REPAIR.

COFFERDAM BID ITEM IS PROVIDED FOR CONTRACTOR TO COMPLETE STREAM RELOCATION WORK AS NEEDED. SEE ROADWAY PLANS FOR STREAM RELOCATION DETAILS.

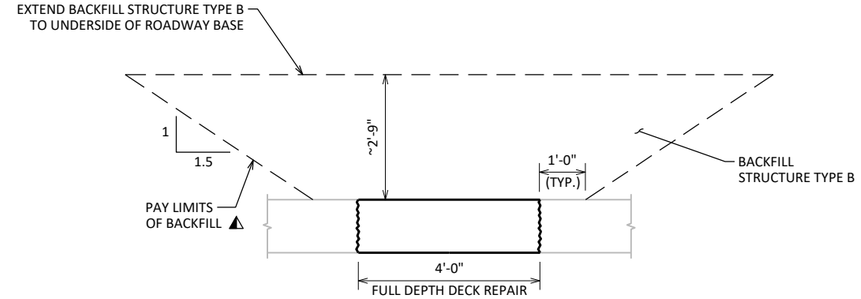
LEGEND

◪ CONCRETE SURFACE REPAIR AT UNDERSIDE OF CONCRETE DECK AS DIRECTED BY THE FIELD ENGINEER.

▲ CONCRETE SURFACE REPAIR AT FACE OF ABUTMENT AND WINGS AS DIRECTED BY THE FIELD ENGINEER.

◐ EPOXY CRACK SEALING OF VERTICAL CRACKS AT FACE OF ABUTMENT AND WINGS AS DIRECTED BY THE FIELD ENGINEER.

◭ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

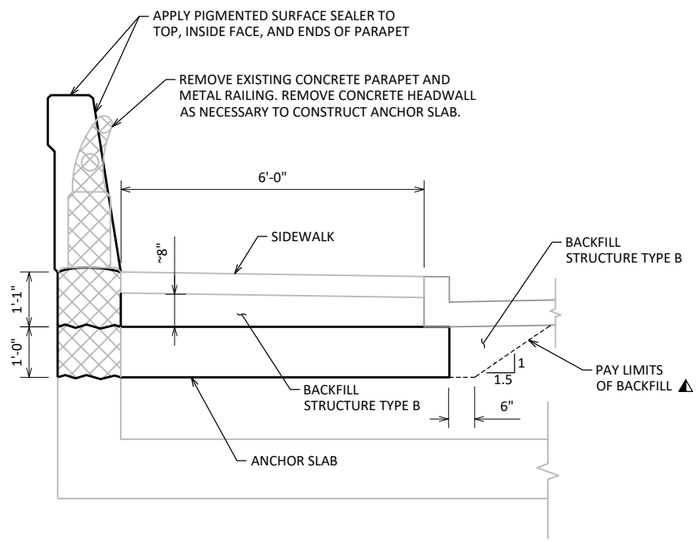


TYPICAL SECTION THRU FULL DEPTH DECK REPAIR

(LOOKING WEST)

TOTAL ESTIMATED QUANTITIES

BID NUMBER	BID ITEM	UNIT	TOTAL
203.0220	REMOVING STRUCTURE B-40-155	EACH	1
203.0335	DEBRIS CONTAINMENT OVER WATERWAY B-40-155	EACH	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-40-155	EACH	1
206.5001	COFFERDAMS B-40-155	EACH	1
210.2500	BACKFILL STRUCTURE TYPE B	TON	85
502.0100	CONCRETE MASONRY BRIDGES	CY	20
502.3210	PIGMENTED SURFACE SEALER	SY	20
502.4204	ADHESIVE ANCHORS NO. 4 BAR	EACH	46
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	770
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	2,450
509.1500	CONCRETE SURFACE REPAIR	SF	280
509.2000	FULL DEPTH DECK REPAIR	SY	15
509.2100.S	CONCRETE MASONRY DECK REPAIR	CY	6
509.9020.S	EPOXY CRACK SEALING	LF	40
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	13



TYPICAL SECTION THRU ANCHOR SLAB

(LOOKING WEST)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-155

DRAWN BY ZHC | PLANS CK'D KRB

CROSS SECTION & QUANTITIES

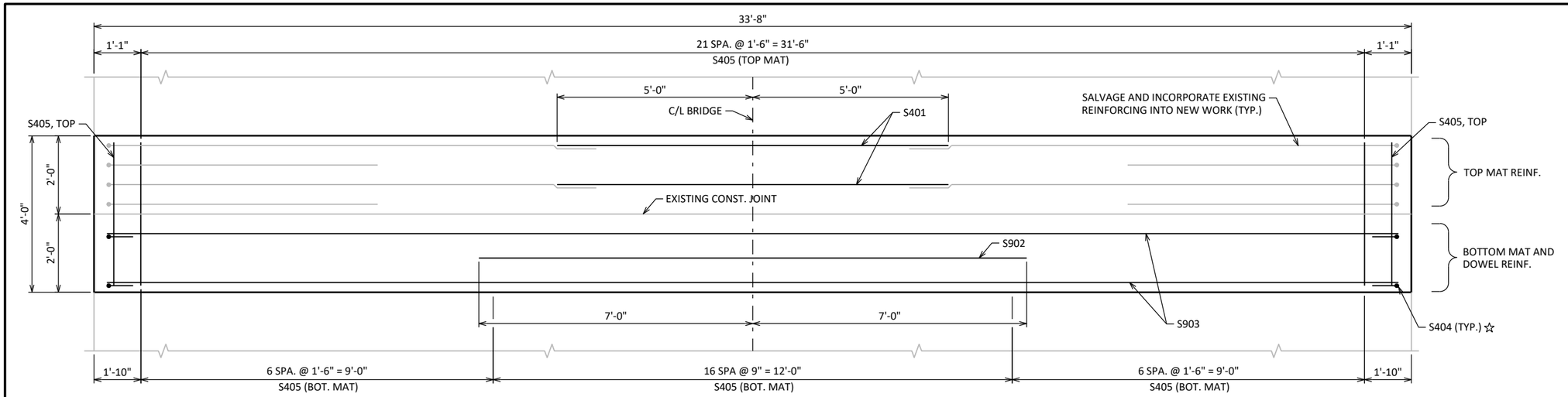
SHEET 2
336

8

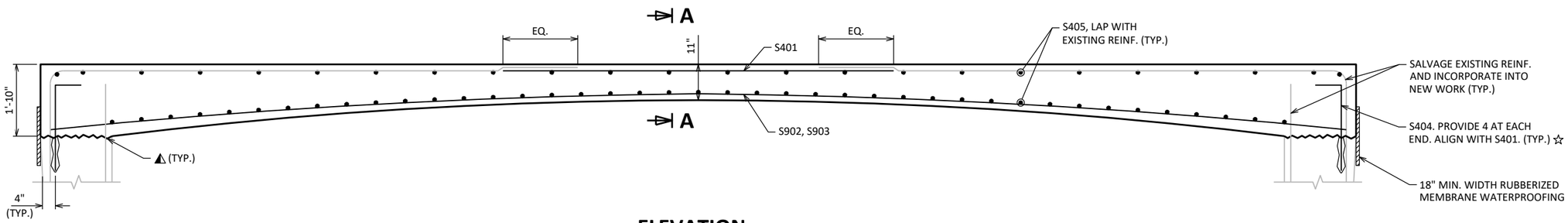
8

STATE PROJECT NUMBER

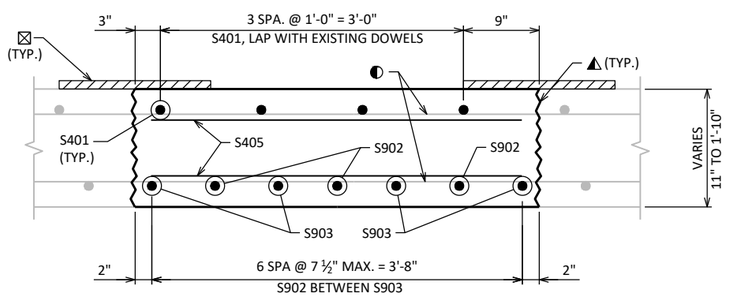
2565-03-73



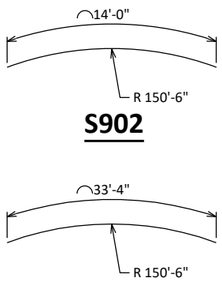
PLAN



ELEVATION

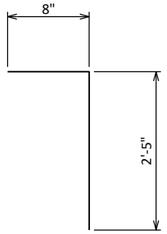


SECTION A-A



S902

S903



S404

SUPERSTRUCTURE BILL OF BARS

UNCOATED: 770 LBS.

	BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
	S401	4	10'-0"			SLAB - LONGITUDINAL - TOP
	S902	3	14'-0"	X		SLAB - LONGITUDINAL - BOTTOM
	S903	4	33'-4"	X		SLAB - LONGITUDINAL - BOTTOM
☆	S404	8	3'-0"	X		SLAB - DOWELS
	S405	53	3'-8"			SLAB - TRANSVERSE

LEGEND

- ◭ ROUGHEN SURFACE OF EXISTING CONCRETE TO ¼" AMPLITUDE (ALL AREAS OF NEW TO EXISTING CONCRETE CONTACT)
- ☒ 18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING ACROSS TOP OF SLAB AND DOWN WALL 3'-0".
- ☆ ADHESIVE ANCHOR NO. 4 BAR. EMBED 10" IN EXISTING CONCRETE.
- ◐ SALVAGE EXISTING TRANSVERSE REINF. AND REINCORPORATE INTO NEW WORK.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-155

DRAWN BY JFG | PLANS CK'D KRB

FULL DEPTH REPAIR DETAILS

SHEET 3
337

8

8

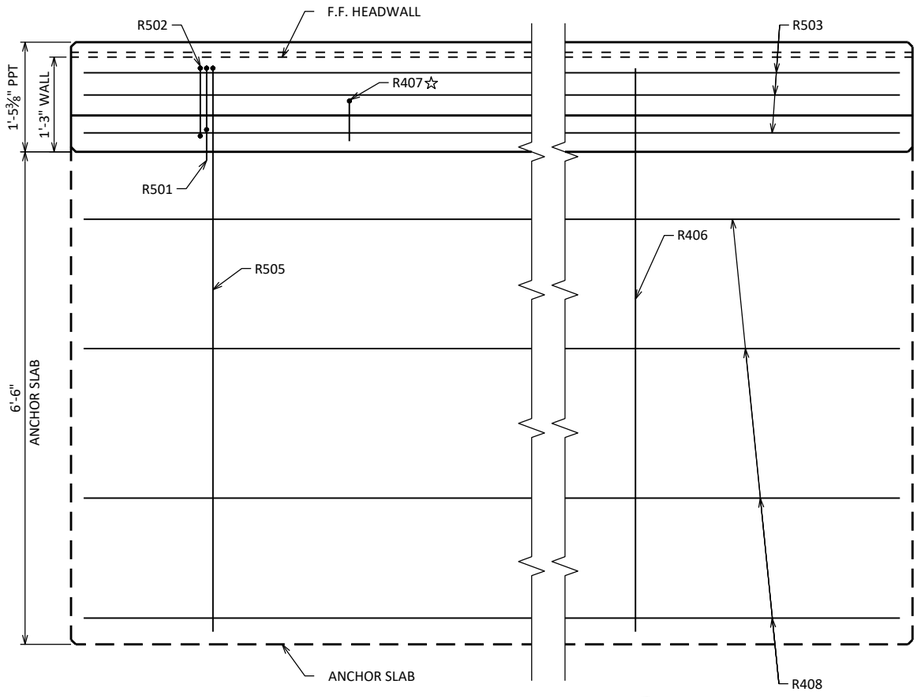
STATE PROJECT NUMBER

2565-03-73

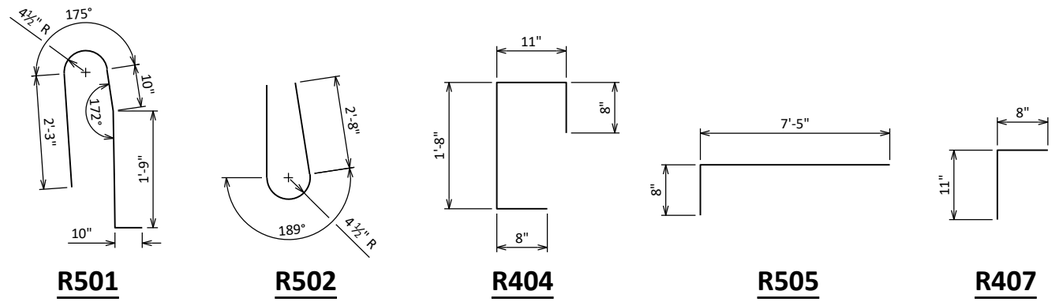
PARAPET & ANCHOR SLAB BILL OF BARS

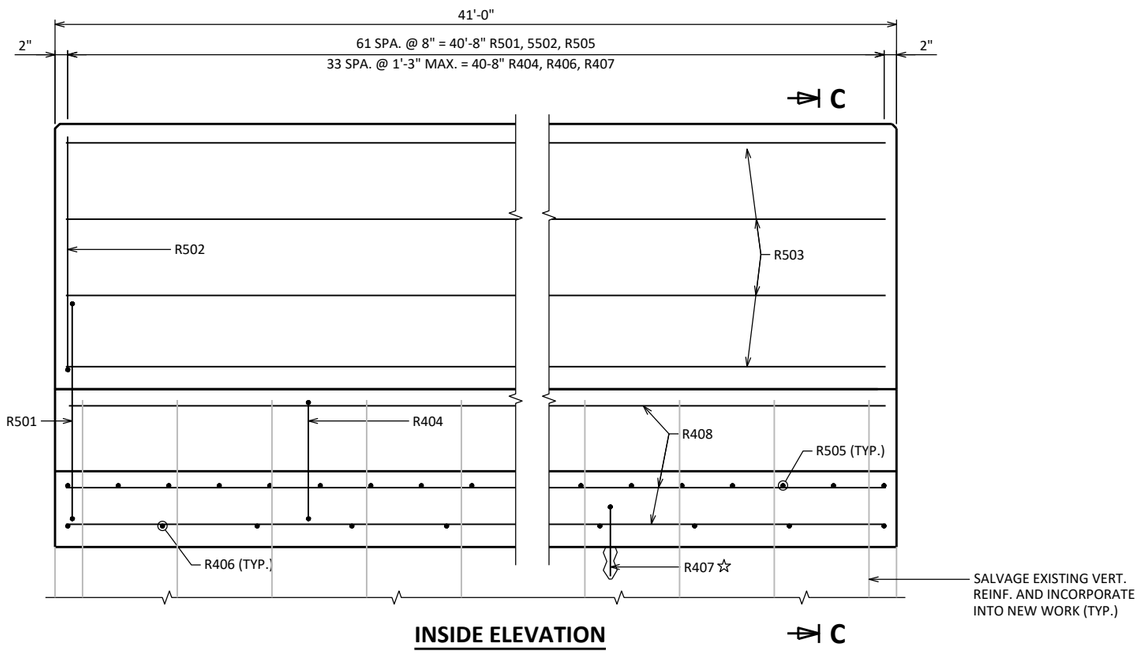
COATED: 2,450

	BAR MARK	NO. REQ'D	LENGTH	BENT	COAT	LOCATION
	R501	62	6'-11"	X	X	PARAPET VERT.
	R502	62	6'-8"	X	X	PARAPET VERT.
	R503	8	40'-8"		X	PARAPET HORIZ.
	R404	34	3'-8"	X	X	ANCHOR SLAB VERT.
	R505	62	7'-11"	X	X	ANCHOR SLAB TRANSVERSE TOP MAT
	R406	34	7'-5"		X	ANCHOR SLAB TRANSVERSE BOT. MAT
☆	R407	34	1'-6"	X	X	ANCHOR SLAB DOWEL
	R408	16	40'-8"		X	ANCHOR SLAB LONGITUDINAL

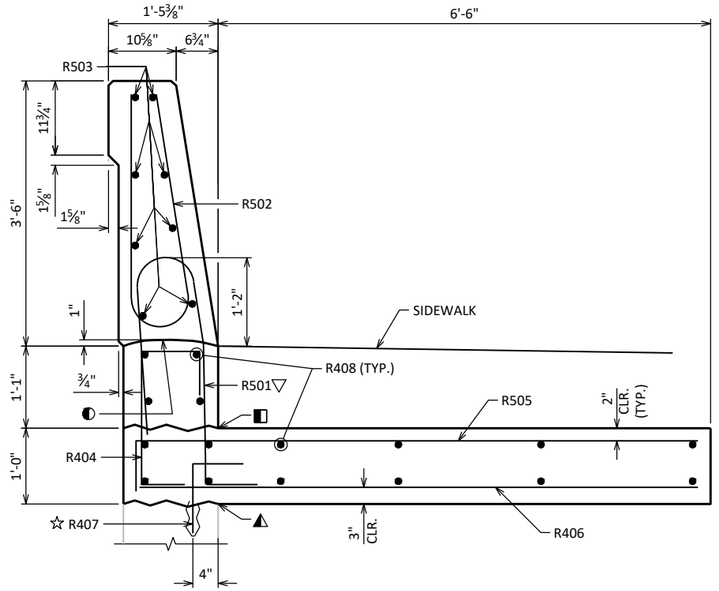


PLAN





INSIDE ELEVATION



SECTION C-C

LEGEND

- CONST. JOINT - STRIKE OFF AS SHOWN
- OPTIONAL CONSTRUCTION JOINT. LEAVE SURFACE ROUGHENED. IF USED PROVIDE ¾" CHAMFER AND PLACE 18" RUBBERIZED MEMBRANE WATERPROOFING ALONG THE ENTIRE LONGITUDINAL JOINT. THE COST OF THE RUBBERIZED MEMBRANE WATERPROOFING IS INCIDENTAL TO THE CONCRETE MASONRY BID ITEM.
- ☆ ADHESIVE ANCHOR NO. 4 BAR. EMBED 5" IN EXISTING CONCRETE.
- ◭ ROUGHEN SURFACE OF EXISTING CONCRETE TO ¼"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-40-155

DRAWN BY JFG | PLANS CK'D KRB

SINGLE SLOPE PARAPET 42SS

SHEET 4
338

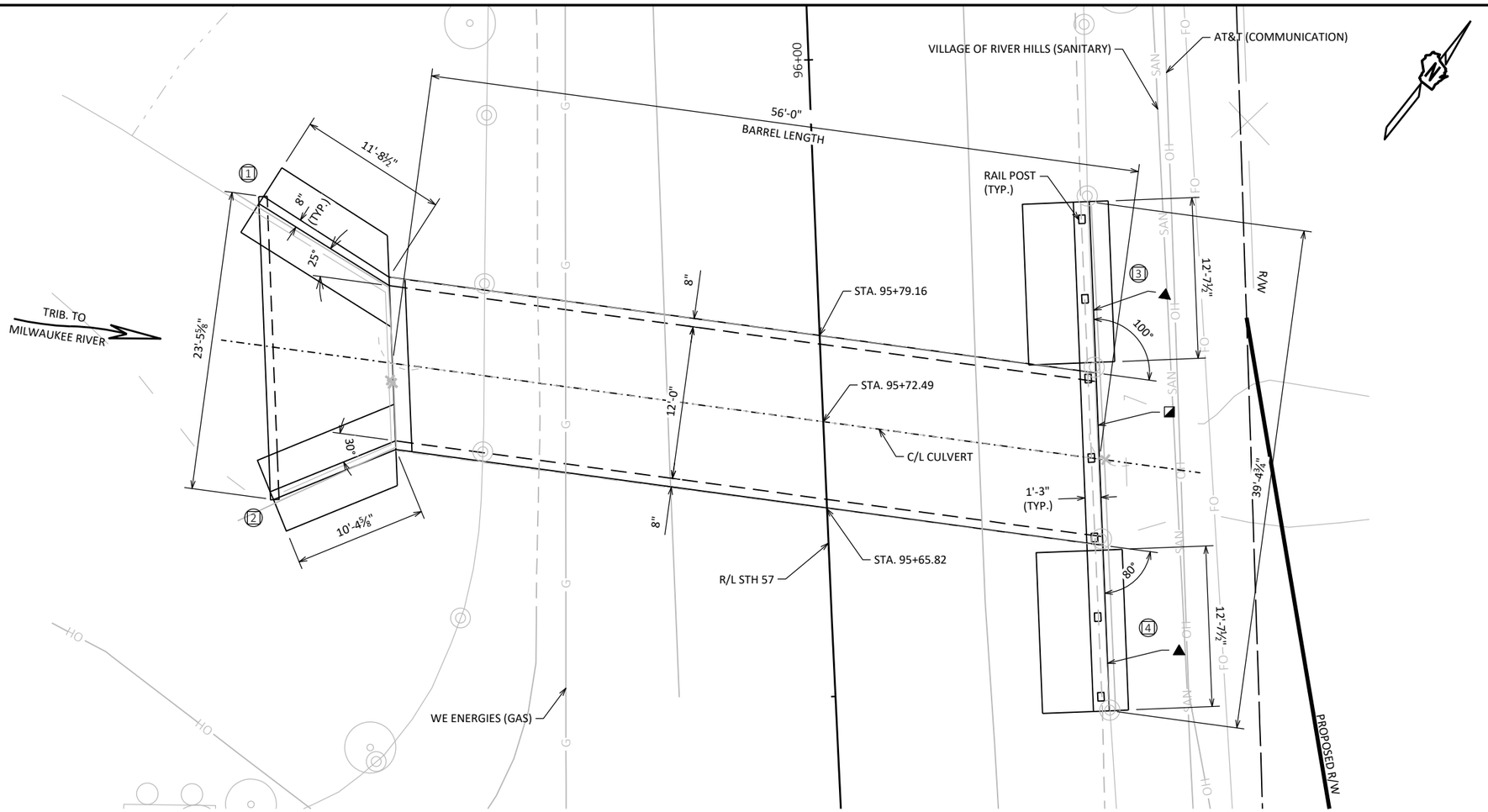
SCALE =

8

8

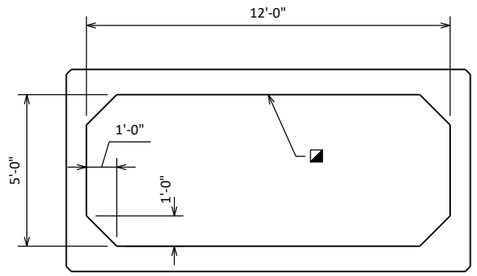
STATE PROJECT NUMBER

2565-03-73



PLAN

(REHABILITATION OF SINGLE-CELL PRECAST BOX CULVERT)



TYPICAL SECTION THRU BOX

TOTAL ESTIMATED QUANTITIES

BID NUMBER	BID ITEM	UNIT	TOTAL
203.0335	DEBRIS CONTAINMENT OVER WATERWAY C-40-78	EACH	1
509.1500	CONCRETE SURFACE REPAIR	SF	45

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS20 (PER ORIGINAL STRUCTURE PLANS)

EARTH LOAD:

EXISTING STRUCTURE DESIGNED FOR 3'-6" OF FILL.

MATERIAL PROPERTIES:

CONCRETE SURFACE REPAIR ——— f'c = 3,500 P.S.I.

GENERAL NOTES

SCOPE OF WORK

- CONCRETE SURFACE REPAIR AT THE UNDERSIDE OF THE TOP SLAB, FACE OF EAST HEADWALL, AND FACES OF WINGS 3 AND 4.

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1/2-INCH DEEP SAW CUT, UNLESS SPECIFIED OTHERWISE.

PERFORM CONCRETE SURFACE REPAIR AS DIRECTED BY THE FIELD ENGINEER. QUANTITY SHOWN IS APPROXIMATE.

LEGEND

◪ CONCRETE SURFACE REPAIR ON UNDERSIDE OF TOP SLAB AND FACE OF HEADWALL AS DIRECTED BY THE FIELD ENGINEER.

▲ CONCRETE SURFACE REPAIR ON FACE OF WINGS AS DIRECTED BY THE FIELD ENGINEER.

(#) INDICATES WING NUMBER.

LIST OF DRAWINGS:

1. GENERAL PLAN

STRUCTURE DESIGN CONTACTS:

DESIGN CONSULTANT CONTACT:
JONATHAN GANNON 515-233-0000
BUREAU OF STRUCTURES CONTACT:
AARON BONK 608-261-0261

WISCONSIN
JONATHAN F. GANNON
E-103288-6
AMES
IA
PROFESSIONAL ENGINEER

Jonathan Gannon
09/25/2026

NO.	DATE	REVISION	BY

STRAND ASSOCIATES®
126 NORTH JEFFERSON STREET
SUITE 350
MILWAUKEE, WISCONSIN 53202
(414) 271-0771
WWW.STRAND.COM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED JLR 09/25/26
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-40-78

STH 57 OVER UNNAMED TRIBUTARY

COUNTY	VILLAGE
MILWAUKEE	RIVER HILLS

DESIGN SPEC.
REHABILITATION N/A

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
JFG	KRB	ZHC	KRB

GENERAL PLAN

SHEET 1 OF 1
339

I.D. DATE:

8

8

STH 57 - GUARDRAIL

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
1000	93+50		0	0	0	0	0	0
	94+00	50	0	0	0	0	0	0
	94+50	50	0	31	0	28	0	47
	95+00	50	0	15	1	42	1	117
	95+50	50	17	0	16	14	17	140
	96+00	50	7	29	23	27	40	185
	96+50	50	5	2	12	29	52	234
	97+00	50	7	0	11	3	63	239
	97+09	9	7	0	2	0	65	239
	97+10	1	8	0	0	0	65	239
	97+34	23	7	2	6	1	71	240
	97+35	2	6	3	0	0	71	240
	97+50	15	10	0	4	1	75	242
	97+59	9	10	0	3	0	78	242
	97+60	2	10	0	1	0	79	242
	98+00	40	0	0	8	0	87	242
					87	145	87	242

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME

STH 57 - SOUTH SIDEWALK

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
2000	30+64		8	0	0	0	0	0
	31+00	36	4	1	8	0	8	0
	31+50	50	14	0	16	1	24	2
	32+00	50	12	1	23	1	47	3
	32+50	50	10	3	20	4	67	10
	33+00	50	10	4	19	7	86	22
	33+31	31	21	0	18	2	104	25
	33+50	19	11	9	12	3	116	30
	34+00	50	16	2	26	10	142	47
	34+07	7	45	0	8	0	150	47
	34+50	43	18	5	50	4	200	53
	35+00	50	18	0	33	5	233	62
	35+06	6	34	0	6	0	239	62
	35+50	44	21	8	45	6	284	72
	36+00	50	21	8	39	15	323	97
	36+50	50	21	12	39	19	362	129
	36+78	28	21	12	22	12	384	149
					384	89	384	149

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME

STH 57 - MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
2000	200+44		9	3	0	0	0	0
	200+50	6	9	3	2	1	2	2
	201+00	50	2	9	10	11	12	20
	201+50	50	8	1	9	9	21	35
	201+80	30	31	0	22	0	43	35
	202+00	20	3	2	13	1	56	37
	202+50	50	6	1	8	3	64	42
	203+00	50	4	1	9	2	73	45
	203+50	50	6	1	9	2	82	48
	204+00	50	7	0	13	1	95	50
	204+50	50	10	0	16	1	111	52
	205+00	50	8	1	16	1	127	53
	205+50	50	7	1	13	1	140	55
	206+00	50	11	0	16	1	156	57
	206+50	50	14	0	24	1	180	58
	207+00	50	8	0	21	1	201	60
	207+50	50	11	0	17	0	218	60
	208+00	50	14	0	23	0	241	60
	208+50	50	10	0	22	0	263	60
	209+00	50	6	1	14	1	277	62
	209+50	50	2	3	7	3	284	67
	210+00	50	0	9	2	11	286	85
	210+50	50	1	7	1	16	287	112
	211+00	50	3	3	4	10	291	129
	211+50	50	10	0	13	3	304	134
	212+00	50	9	0	18	0	322	134
	212+50	50	0	8	8	7	330	145
	213+00	50	12	0	11	8	341	159
	213+50	50	13	0	23	0	364	159
	214+00	50	4	2	15	2	379	162

STH 57 - MULTIUSE PATH

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
2000	214+50	50	0	4	4	6	383	172
	215+00	50	4	1	4	5	387	180
	215+50	50	7	1	10	2	397	184
	216+00	50	8	0	14	1	411	185
	216+50	50	5	1	12	1	423	187
	217+00	50	2	8	7	8	430	200
	217+50	50	1	10	3	16	433	227
	218+00	50	2	4	2	13	435	249
	218+50	50	2	2	3	6	438	259
	219+00	50	8	1	9	3	447	264
	219+50	50	13	0	20	1	467	266
	220+00	50	10	0	22	0	489	266
	220+50	50	6	0	15	1	504	267
	221+00	50	7	3	12	3	516	272
	221+50	50	0	5	6	7	522	284
	222+00	50	3	3	3	8	525	297
	222+50	50	2	4	5	7	530	309
	223+00	50	0	17	2	20	532	342
	223+50	50	5	3	5	18	537	372
	224+00	50	8	1	12	3	549	377
	224+50	50	11	0	17	1	566	379
	225+00	50	16	0	25	0	591	379
	225+50	50	17	0	31	0	622	379
	226+00	50	13	1	27	1	649	381
	226+50	50	15	0	25	1	674	382
	227+00	50	12	0	25	0	699	382
	227+50	50	9	0	20	0	719	382
	228+00	50	9	1	17	1	736	384
	228+50	50	15	0	22	1	758	386
	229+00	50	3	1	16	1	774	387
	229+50	50	5	4	7	4	781	394
	230+00	50	6	5	10	8	791	407
	230+50	50	5	3	10	7	801	419
	231+00	50	6	3	11	5	812	428
	231+50	50	8	3	13	6	825	438
	232+00	50	7	3	13	6	838	448
	232+50	50	4	3	10	6	848	458
	233+00	50	7	1	10	4	858	464
	233+50	50	11	1	16	2	874	468
	234+00	50	11	2	20	3	894	473
	234+50	50	12	0	21	2	915	476
	235+00	50	4	2	14	2	929	479
	235+50	50	6	3	9	5	938	488
	236+00	50	4	1	9	4	947	494
	236+20	20	4	1	3	1	950	496
	236+42	22	4	1	3	1	953	498
					950	297	953	498

NOTES:

1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME

STH 57 - MULTIUSE PATH, BROWN DEER PARK

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
2100	300+00		4	7	0	0	0	0
	300+50	50	2	3	5	9	5	15
	301+00	50	8	0	9	3	14	20
	301+50	50	8	1	14	1	28	22
	302+00	50	7	0	14	1	42	23
	302+50	50	6	1	13	1	55	25
	303+00	50	7	1	12	1	67	27
	303+50	50	7	1	13	1	80	28
	304+00	50	8	0	13	1	93	30
	304+10	10	8	0	3	0	96	30
					96	18	96	30

NOTES:

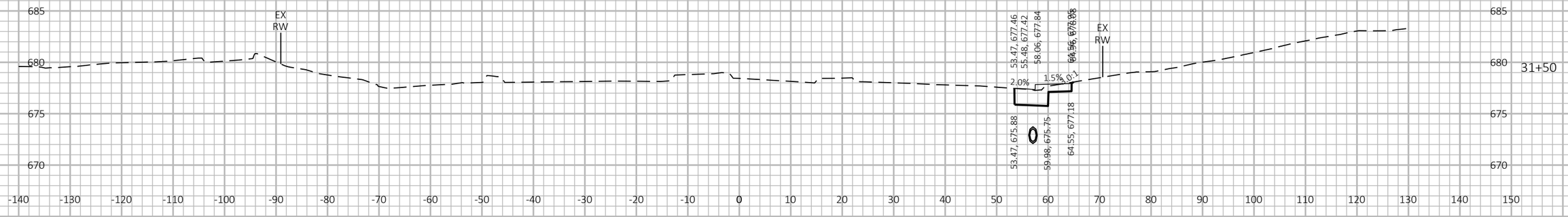
1. CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL

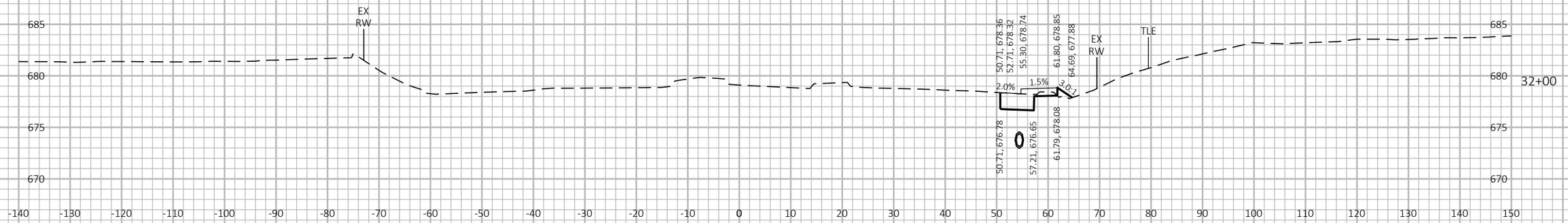
3. DOES NOT INCLUDE UNUSABLE PAVEMENT EXCAVATION VOLUME

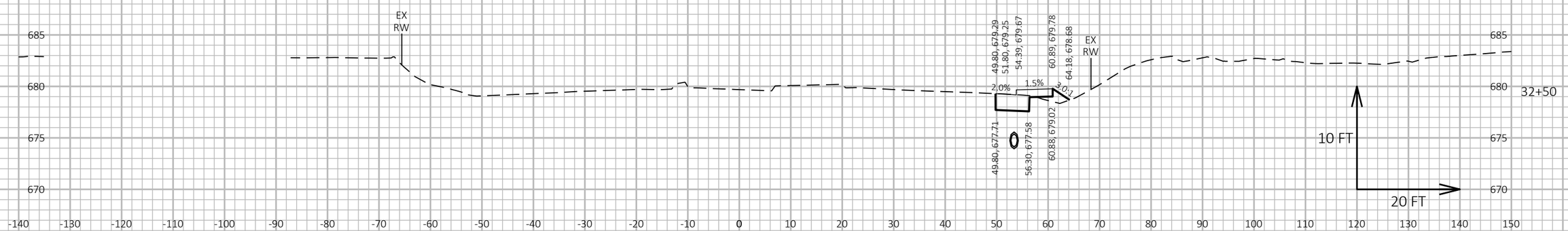
STH 57 - NORTH SIDEWALK

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	AREA (SF) CUT	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.67
2200	132+84		0	0	0	0	0	0
	133+00	16	0	0	0	0	0	0
	133+50	50	7	0	6	0	6	0
	134+00	50	4	1	10	1	16	2
	134+50	50	4	0	8	1	24	3
	135+00	50	5	0	8	0	32	3
	135+50	50	4	0	8	0	40	3
	136+00	50	4	1	7	1	47	5
	136+50	50	2	1	5	2	52	8
	137+00	50	2	1	4	2	56	12
	137+50	50	4	1	6	1	62	13
	138+00	50	2	1	5	2	67	17
	138+50	50	6	0	7	1	74	18
	139+00	50	13	4	18	4	92	25
	139+50	50	13	0	25	4	117	32
	140+00	50	25	1	36	1	153	33
	140+46	46	25	1	43	2	196	37
					196	22	196	37

BEGIN CONSTRUCTION STA. 30+58







9

9

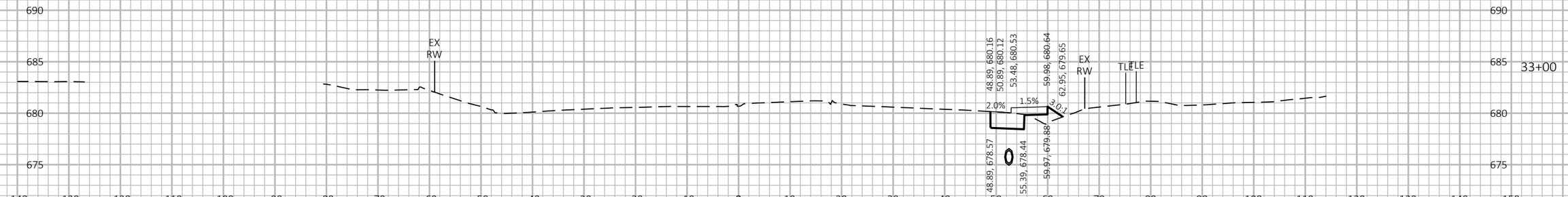
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTH SIDEWALK	SHEET 344	E

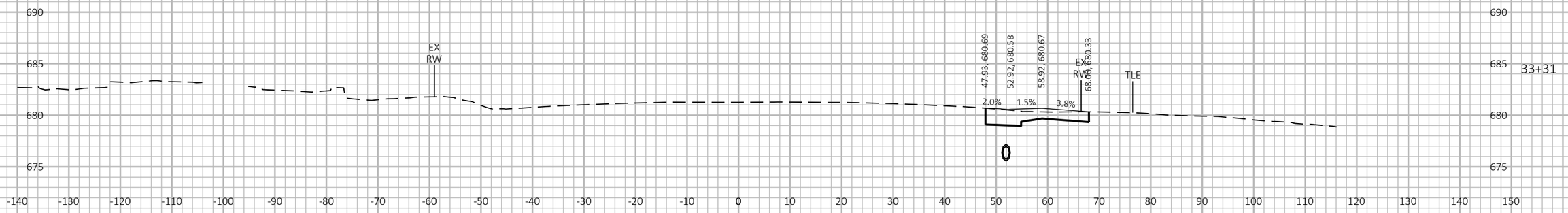
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090201-xs

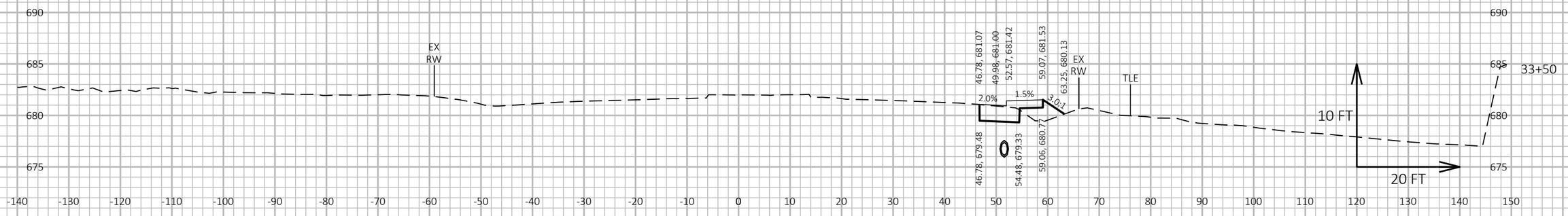
PLOT DATE : 4/29/2026 10:21 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN PROJECT STA. 33+00



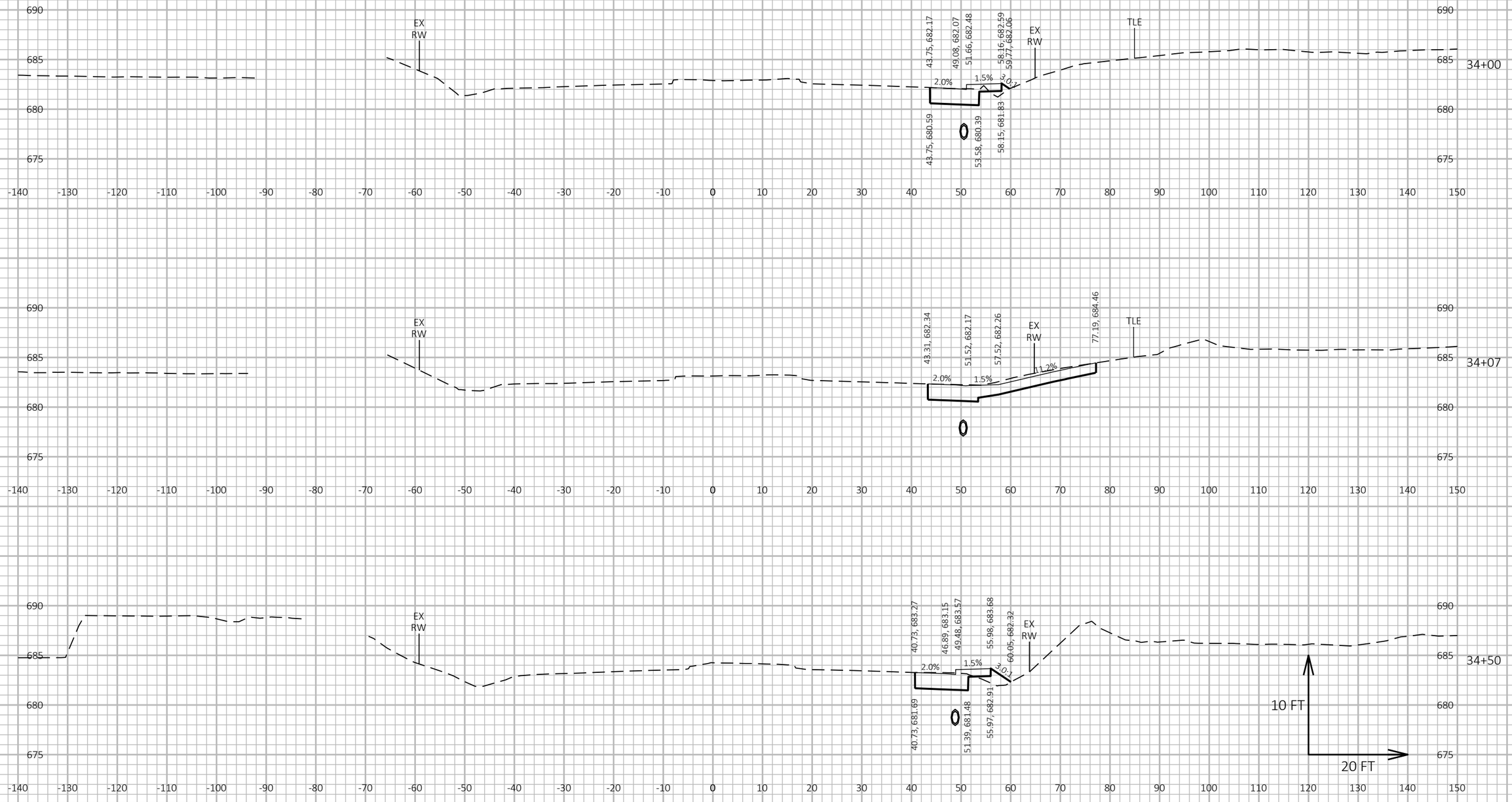




9 9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTH SIDEWALK	SHEET 345	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090202-xs
PLOT DATE : 4/29/2026 10:22 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

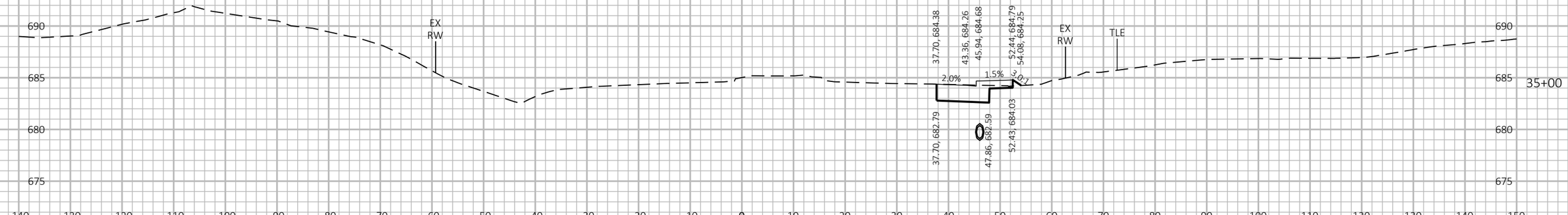
9

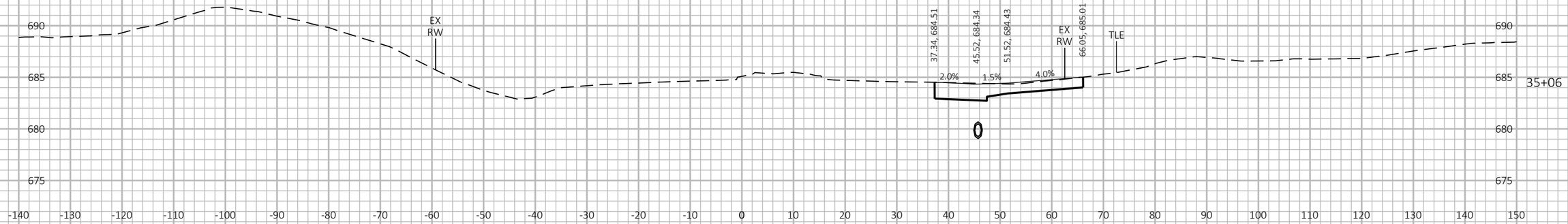
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTH SIDEWALK	SHEET 346	E

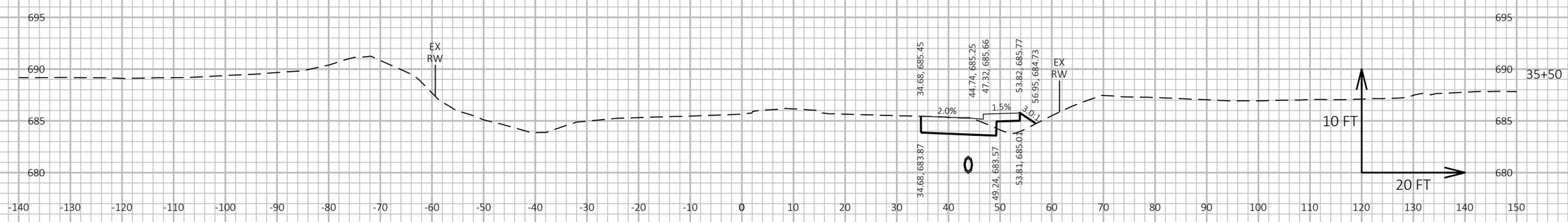
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

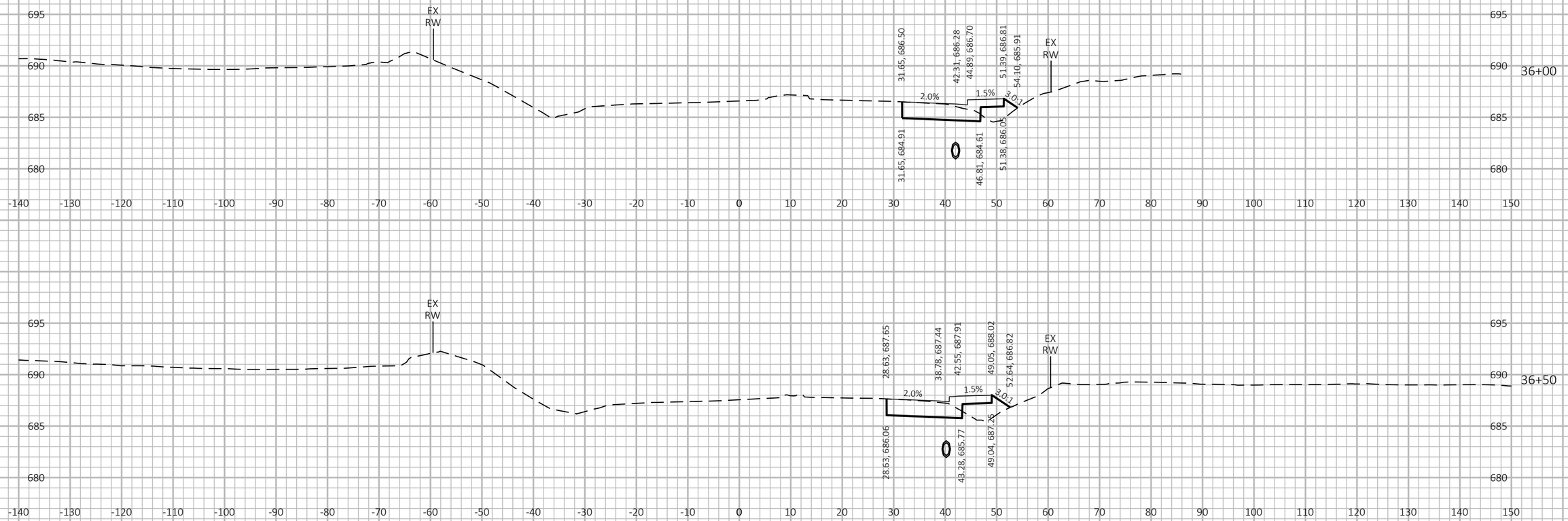
9

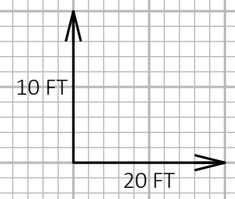
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTH SIDEWALK	SHEET 347	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090204-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

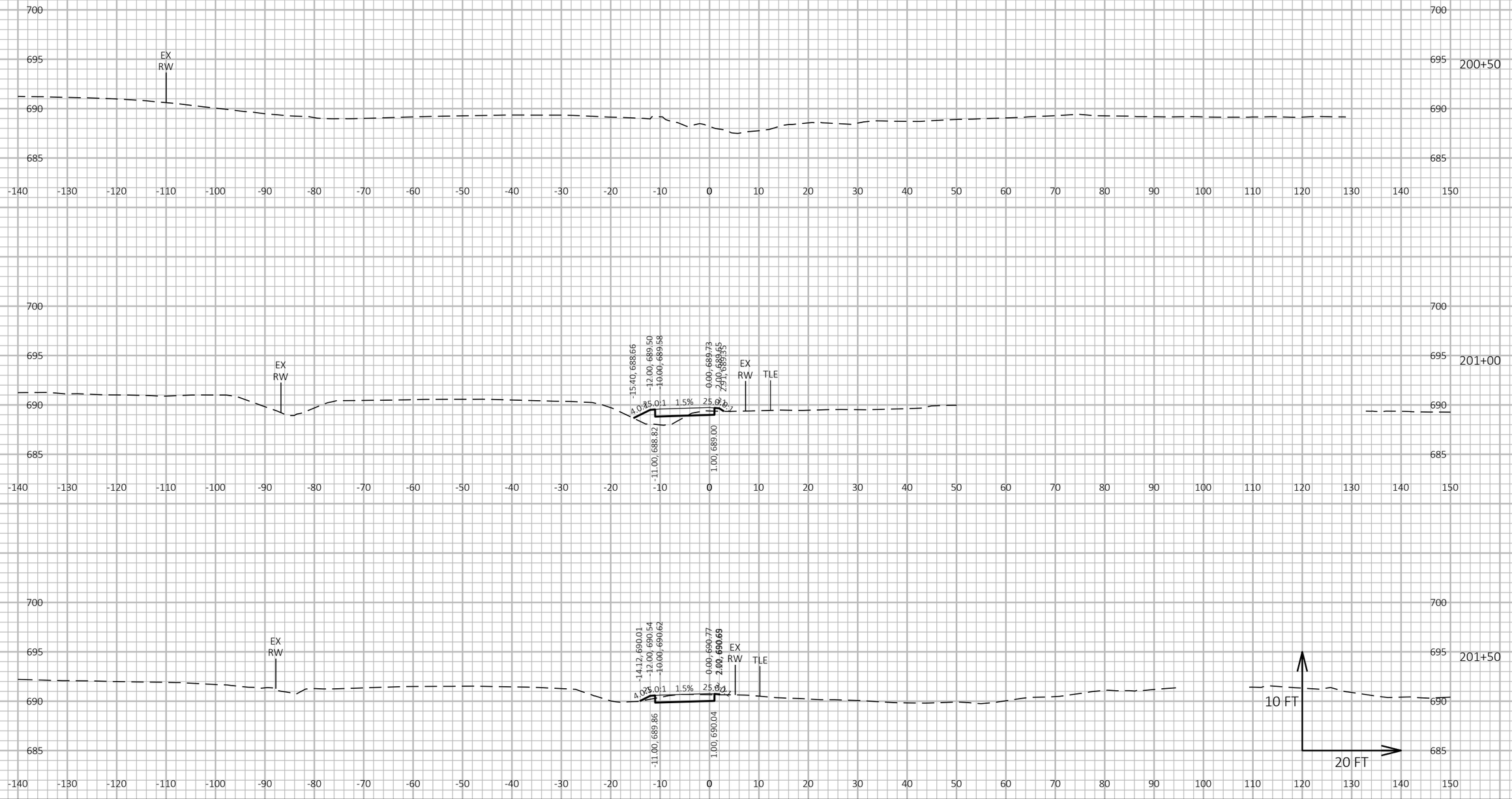
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTH SIDEWALK	SHEET 348	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

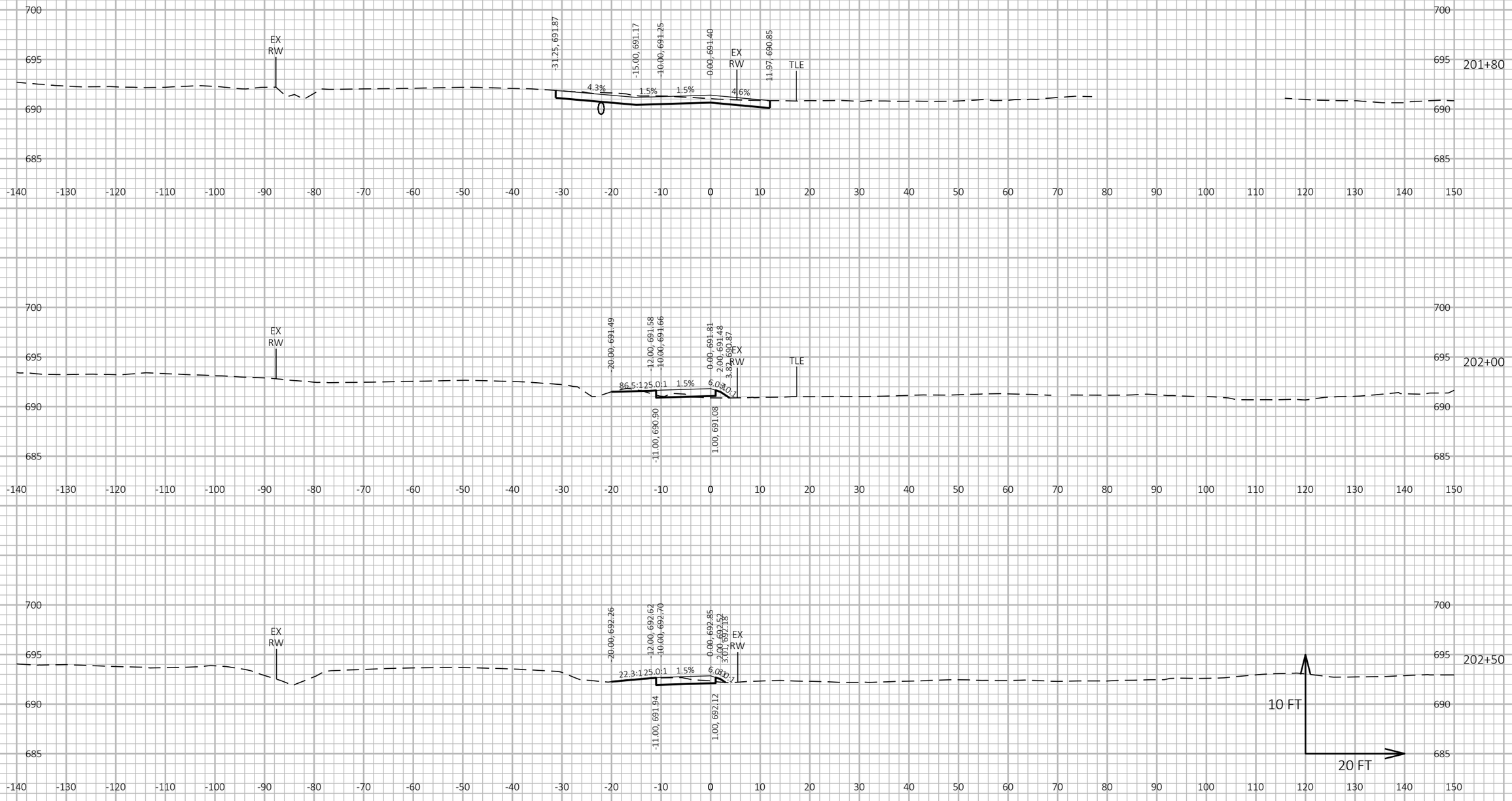
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 349	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090301-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

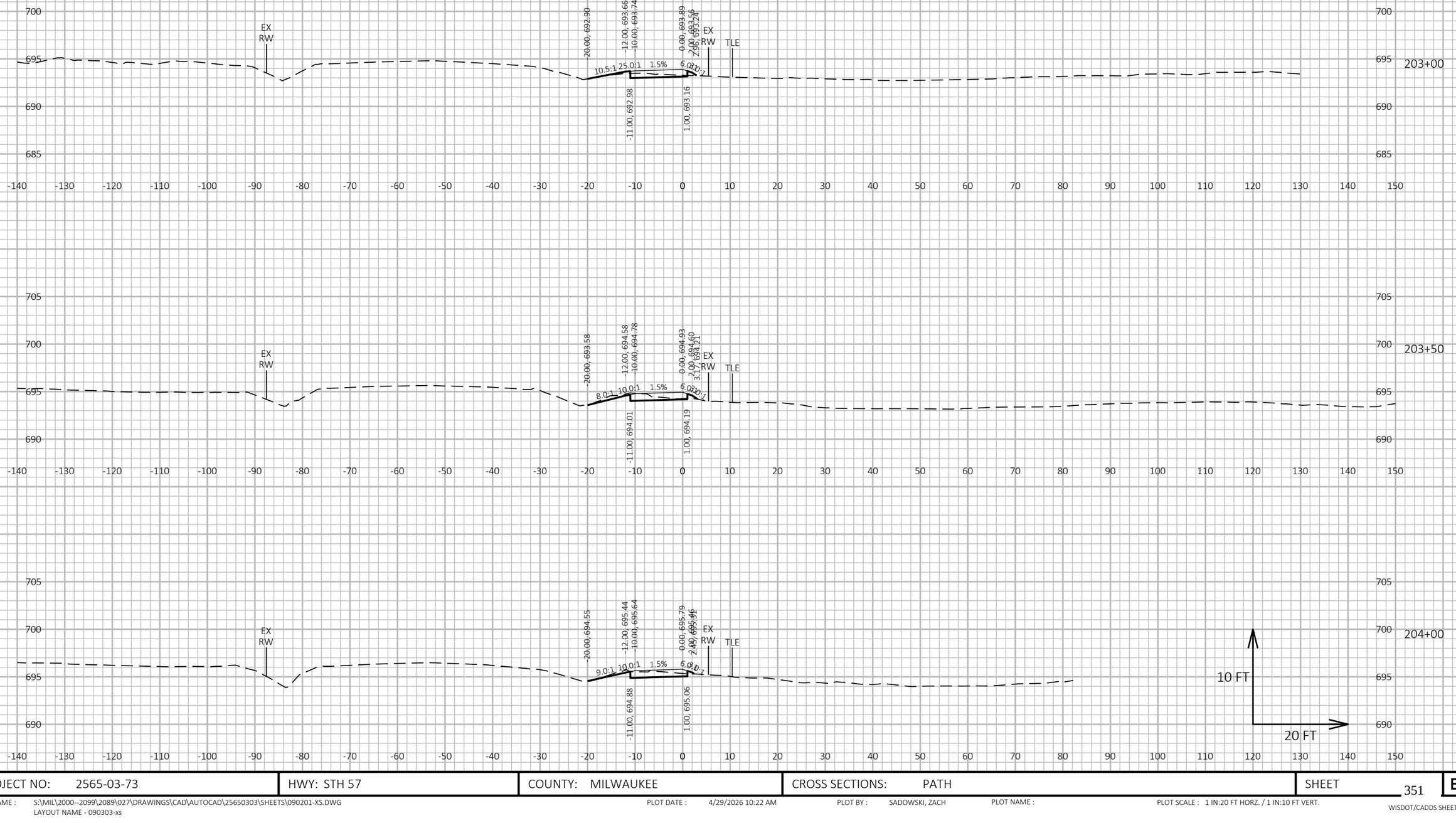
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 350	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090302-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

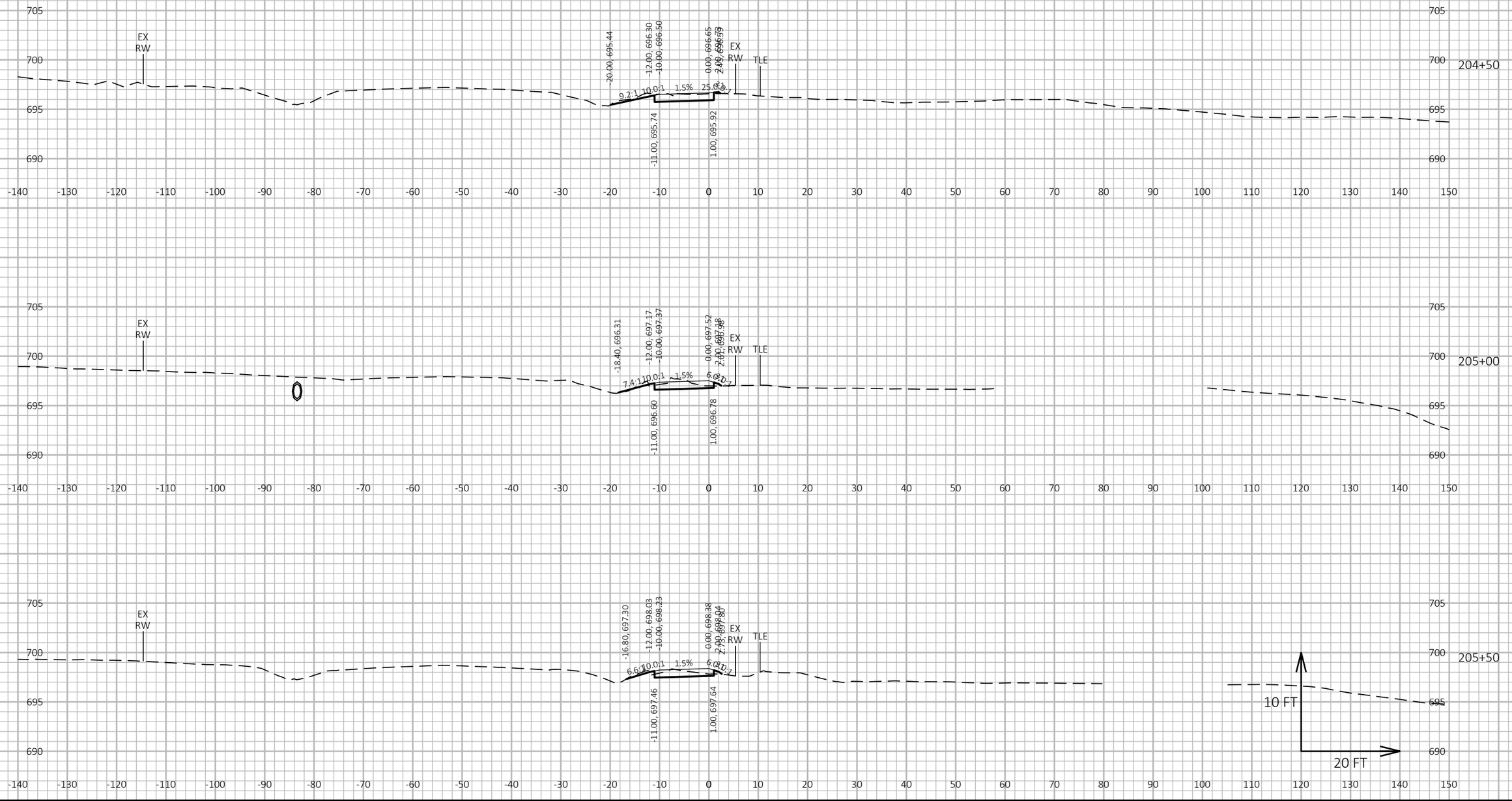
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 351	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090303-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

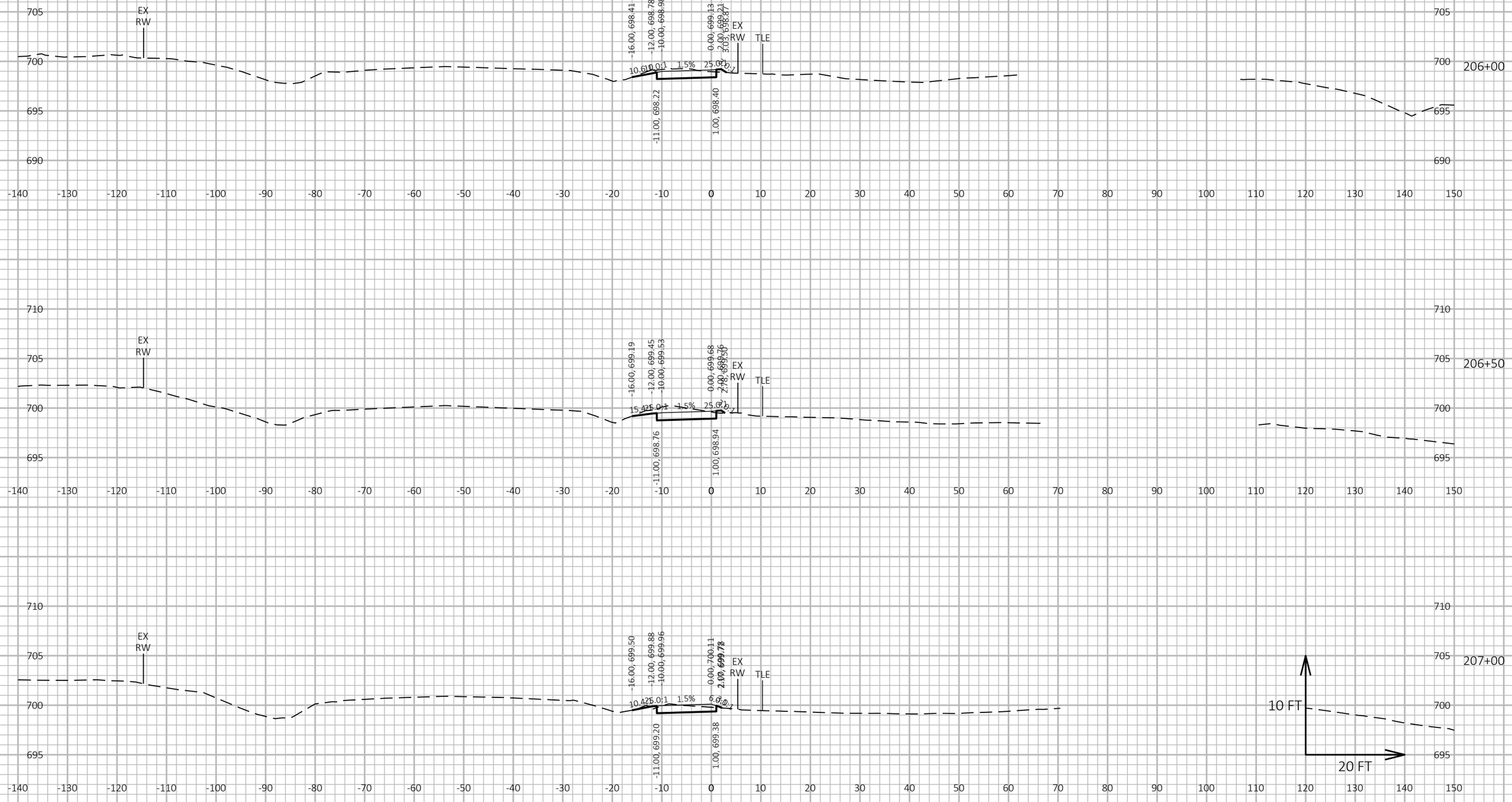
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 352	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090304-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

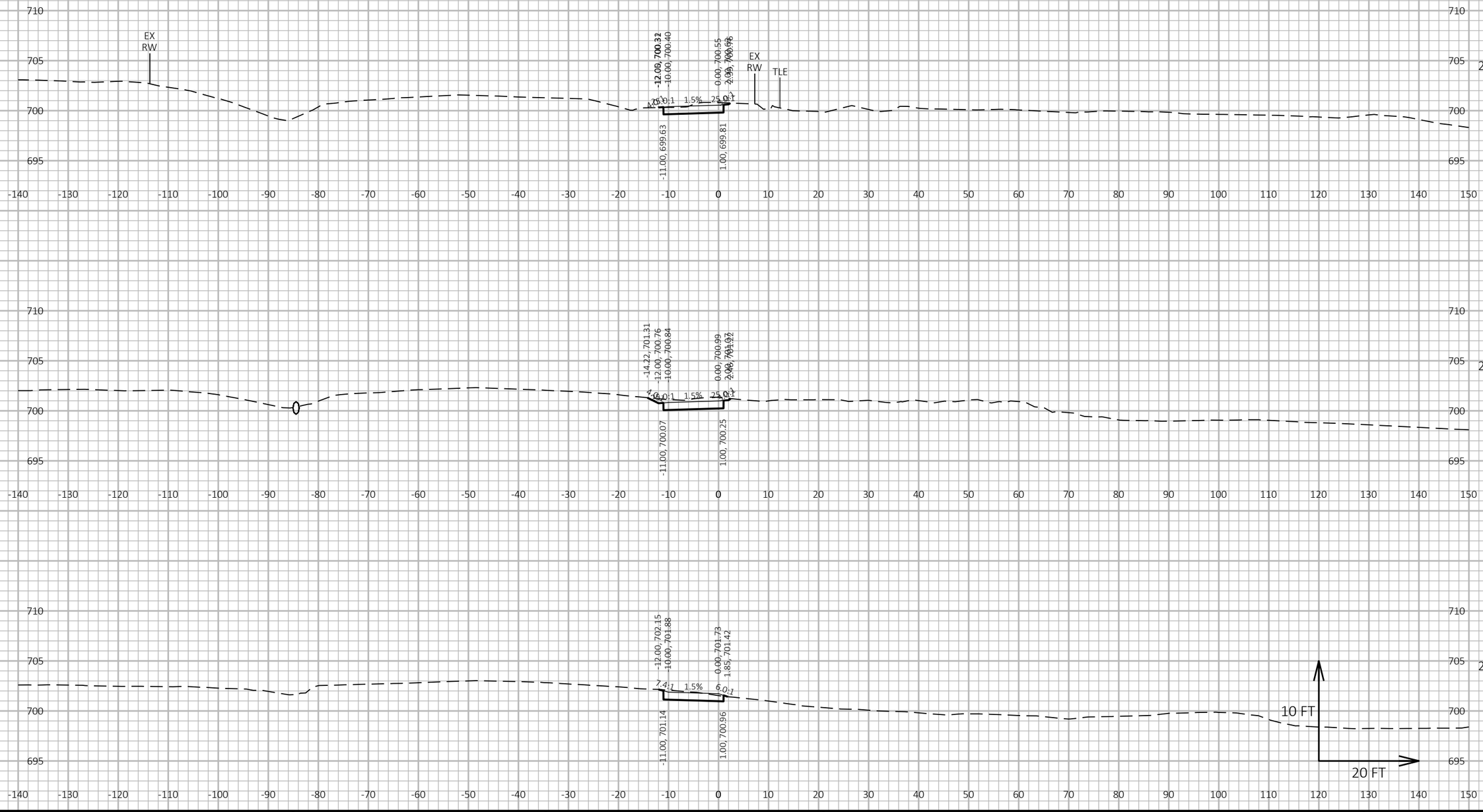
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 353	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090305-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

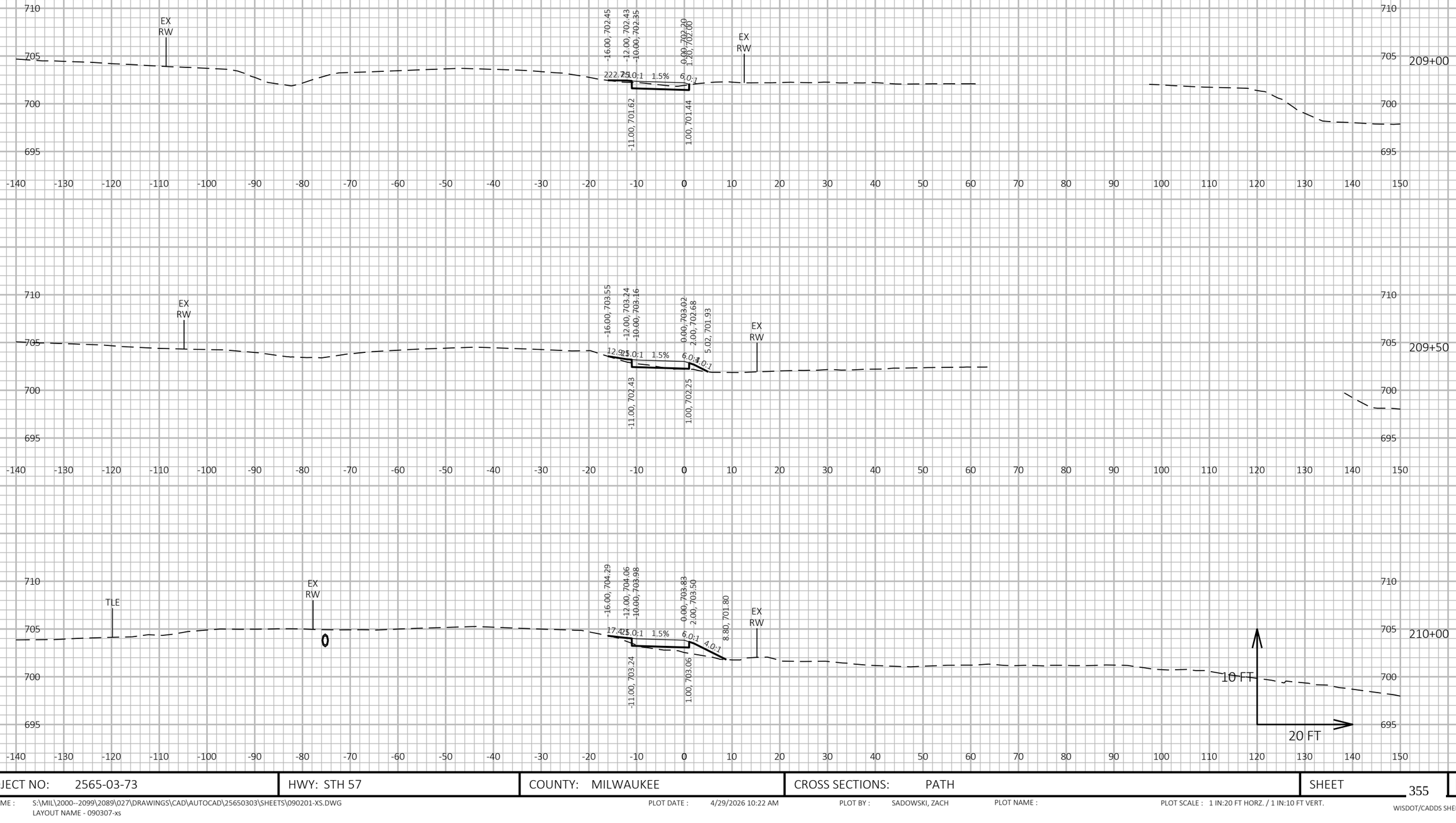
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 354	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090306-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

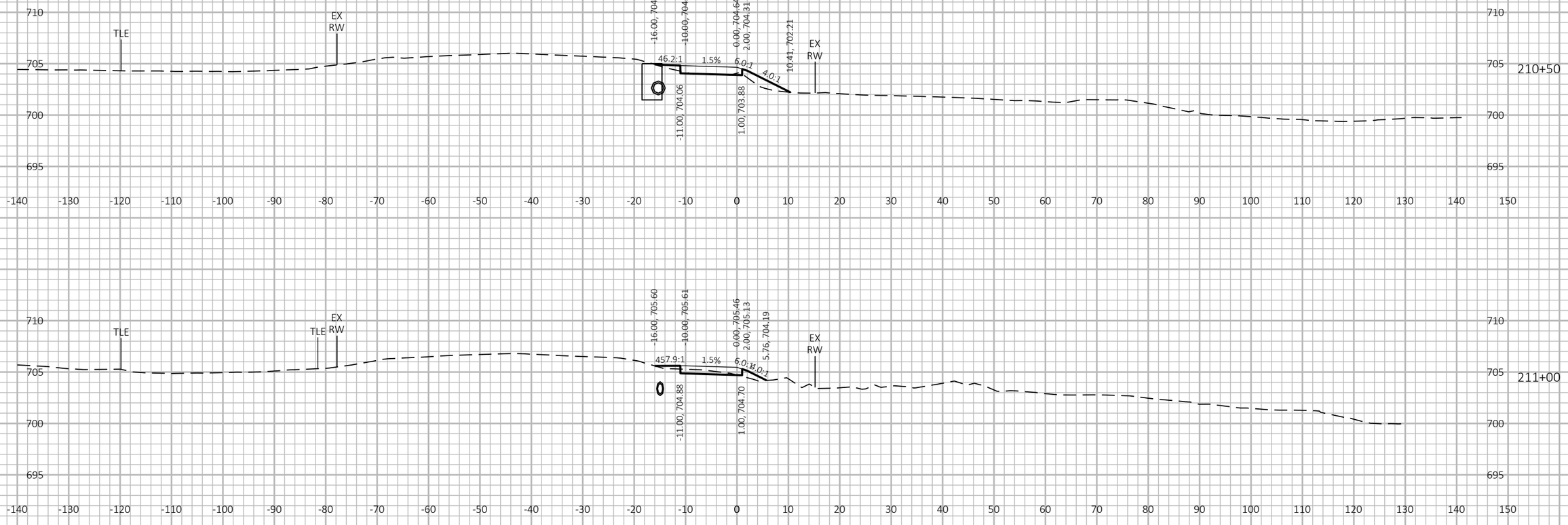
9

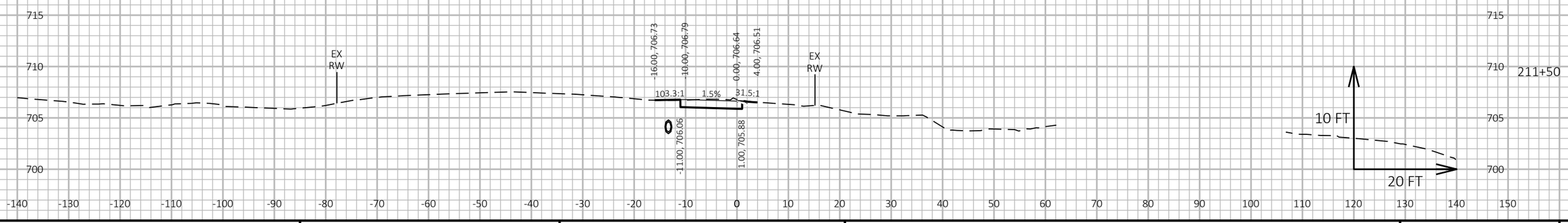
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 355	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090307-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

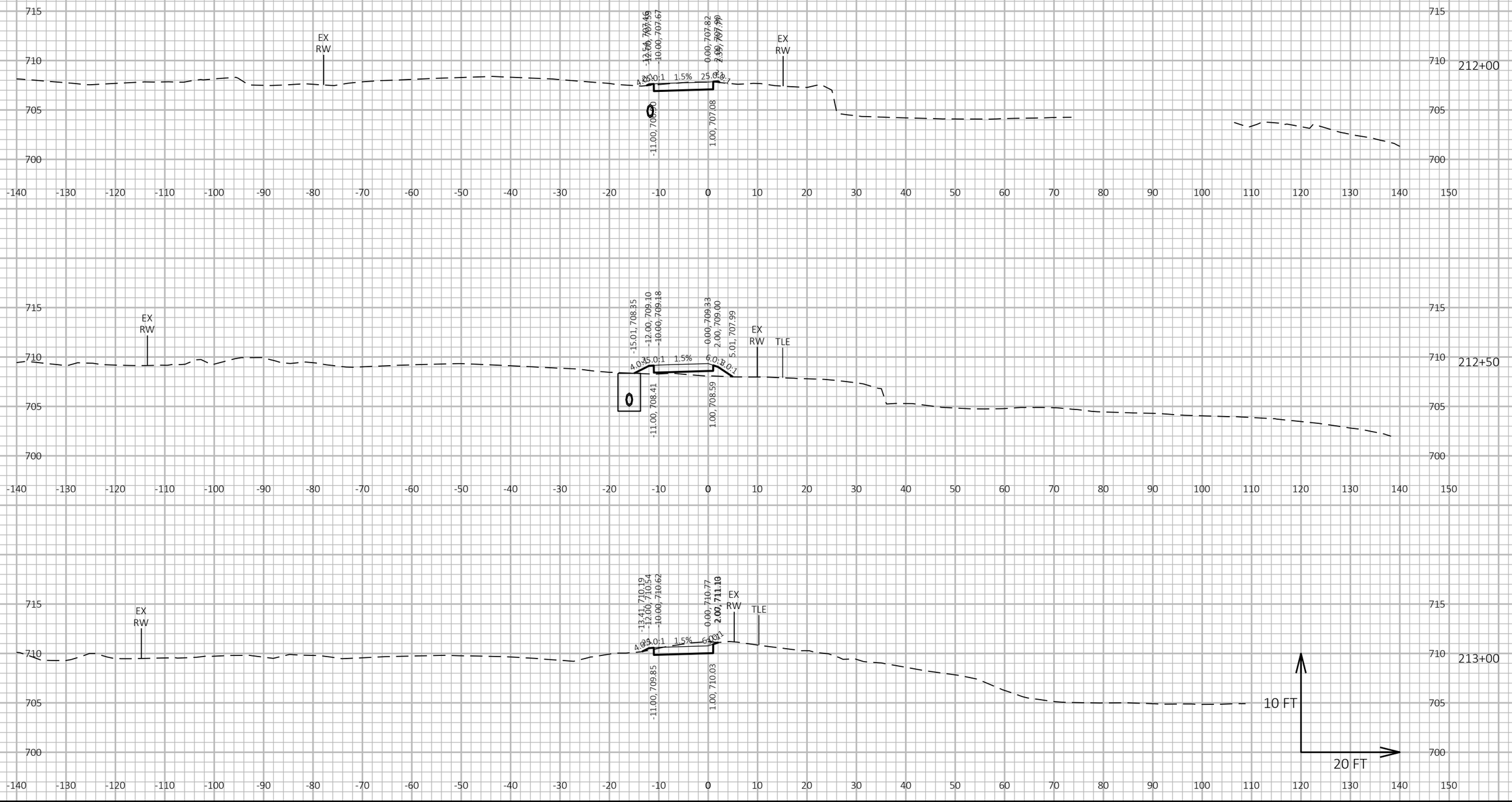
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 356	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090308-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

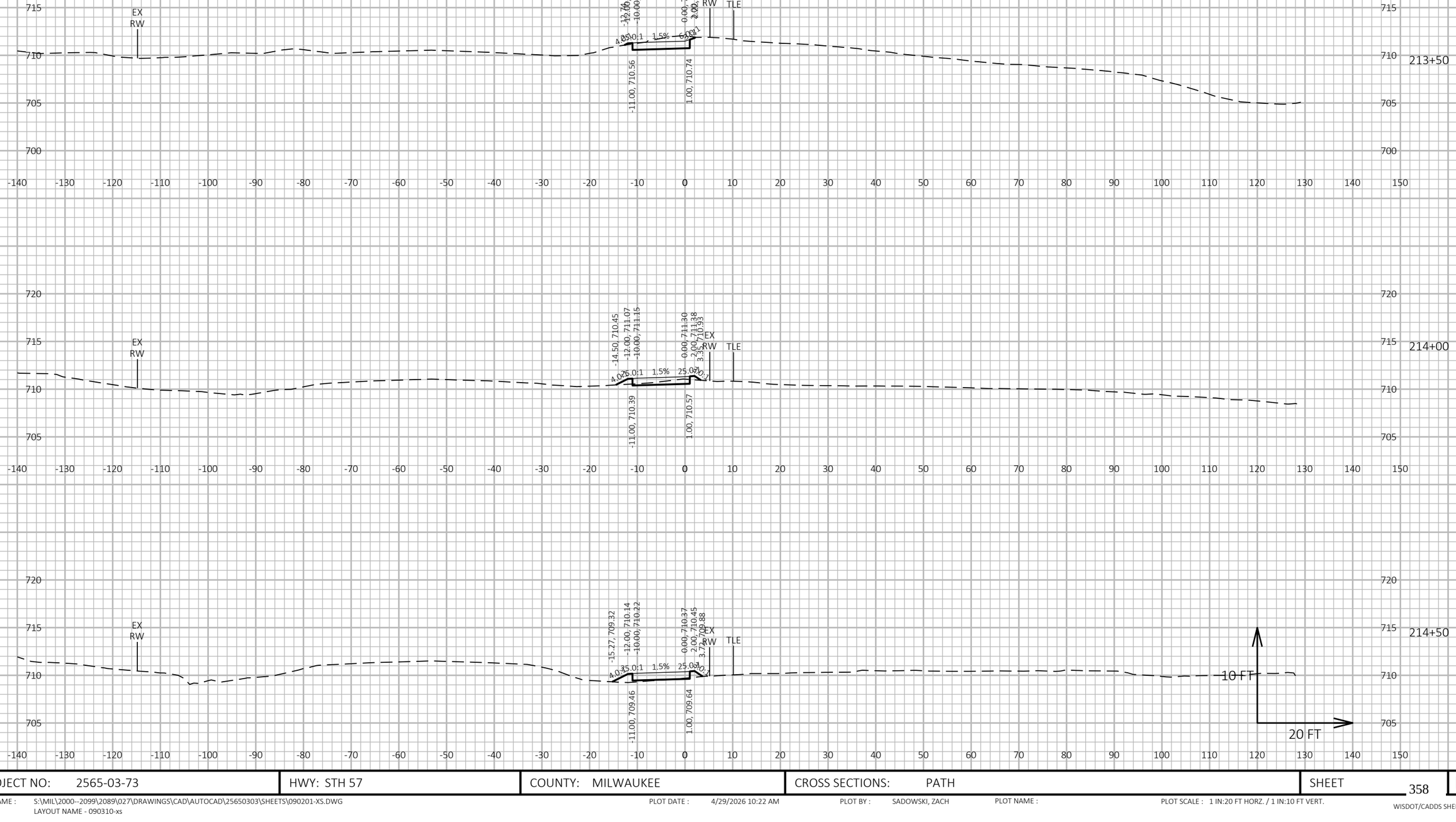
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 357	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090309-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

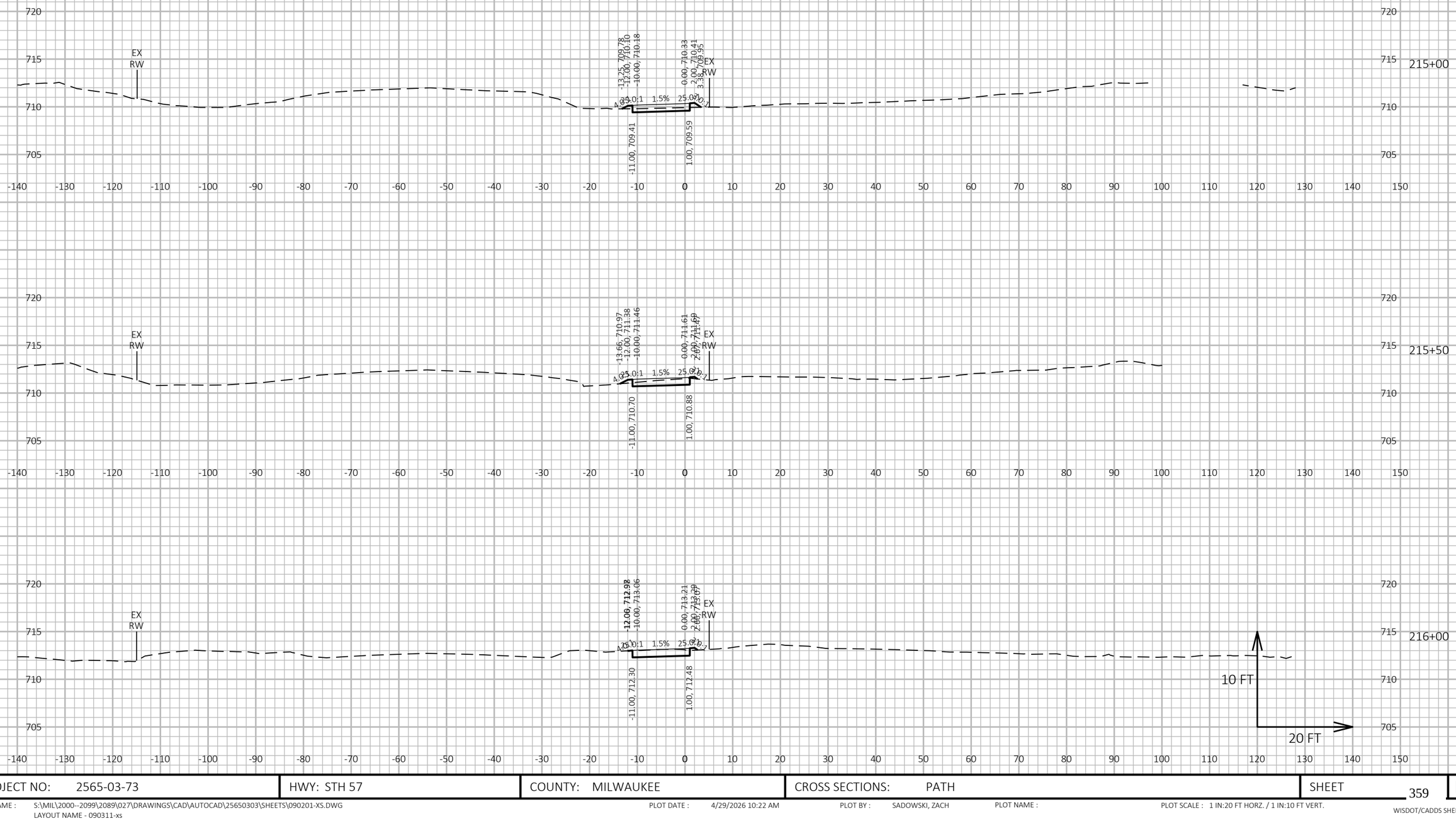


PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 358	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090310-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



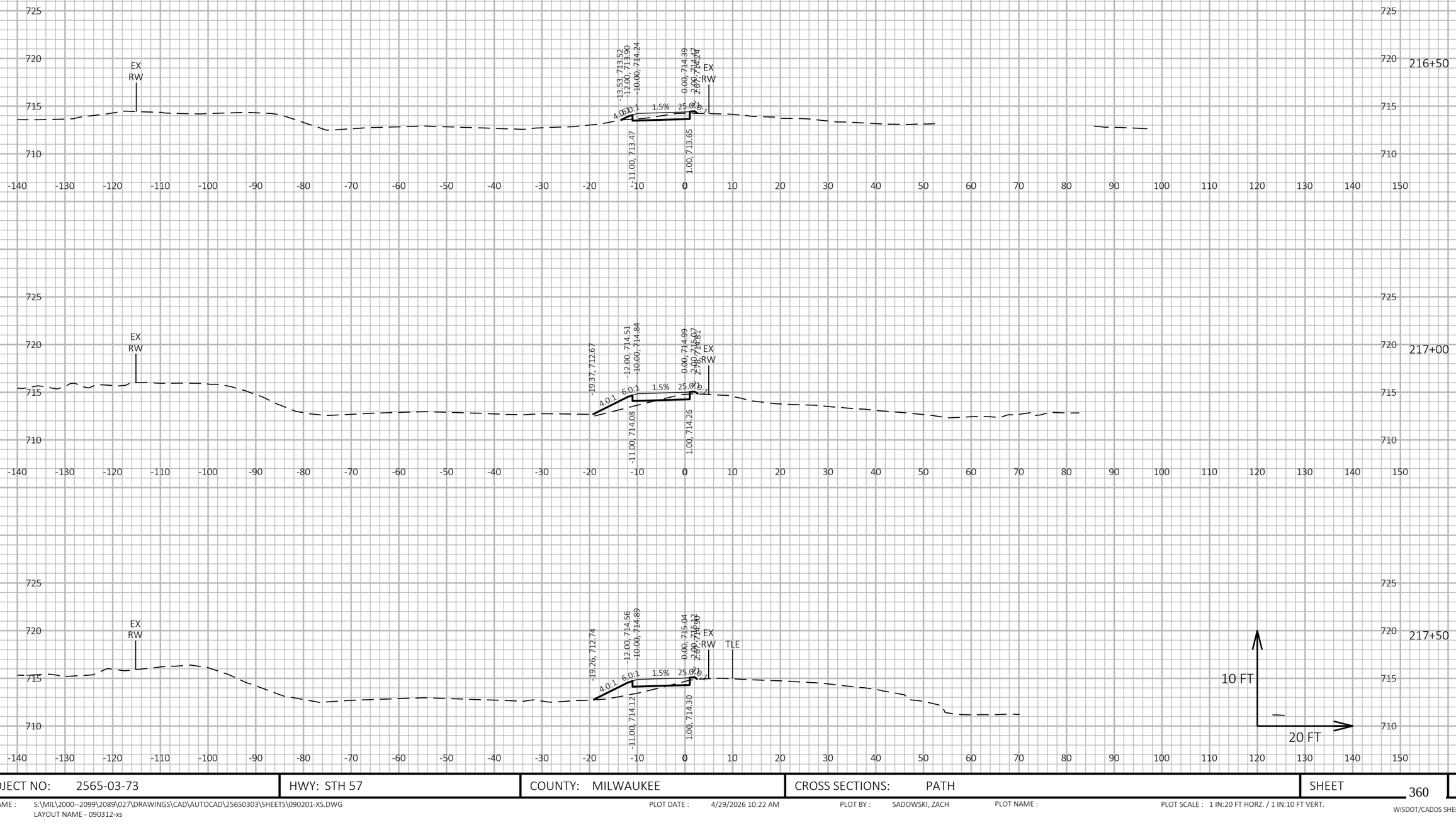
9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 359	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090311-xs

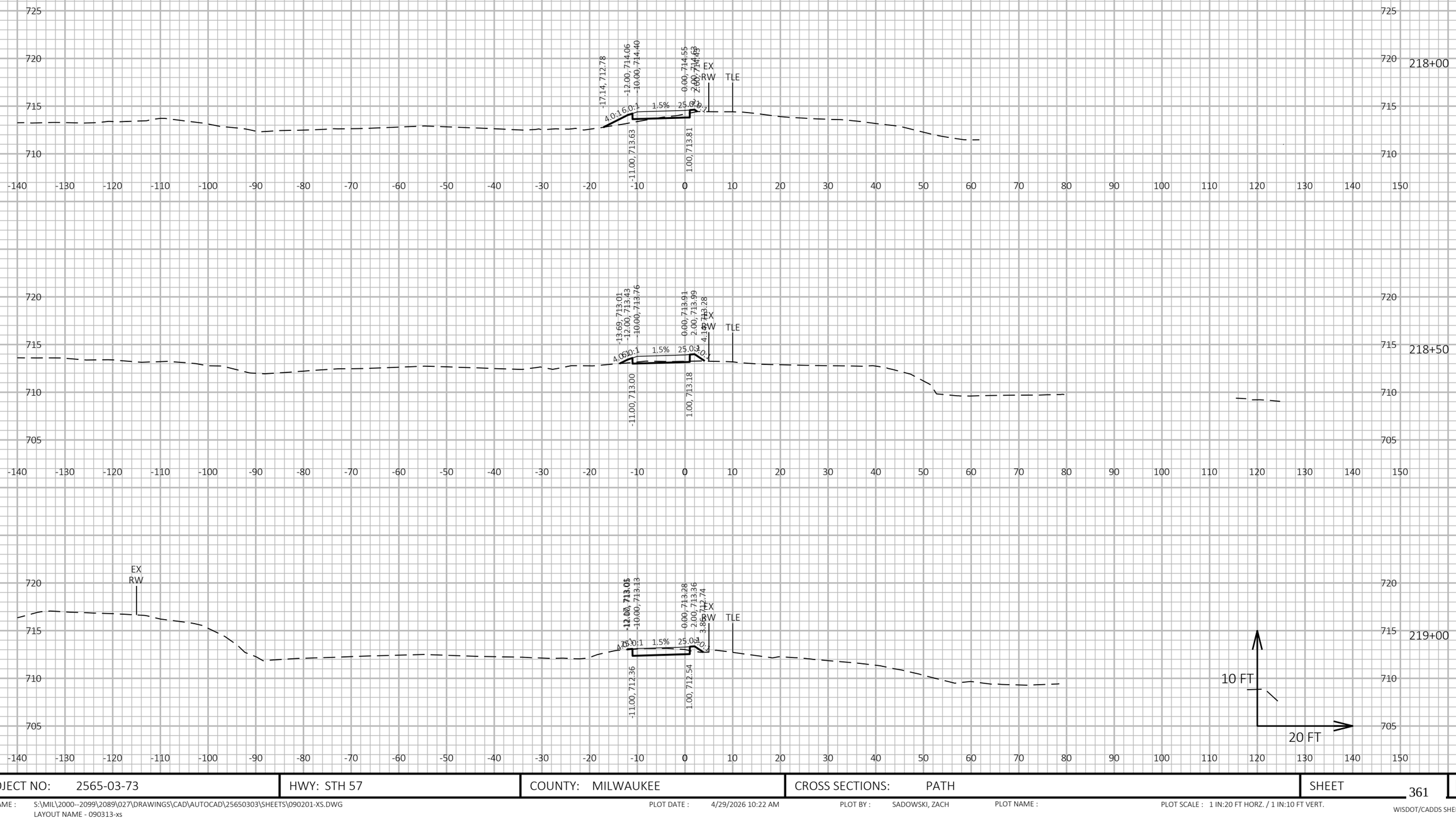
PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9 9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 360	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090312-xs
PLOT DATE : 4/29/2026 10:22 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

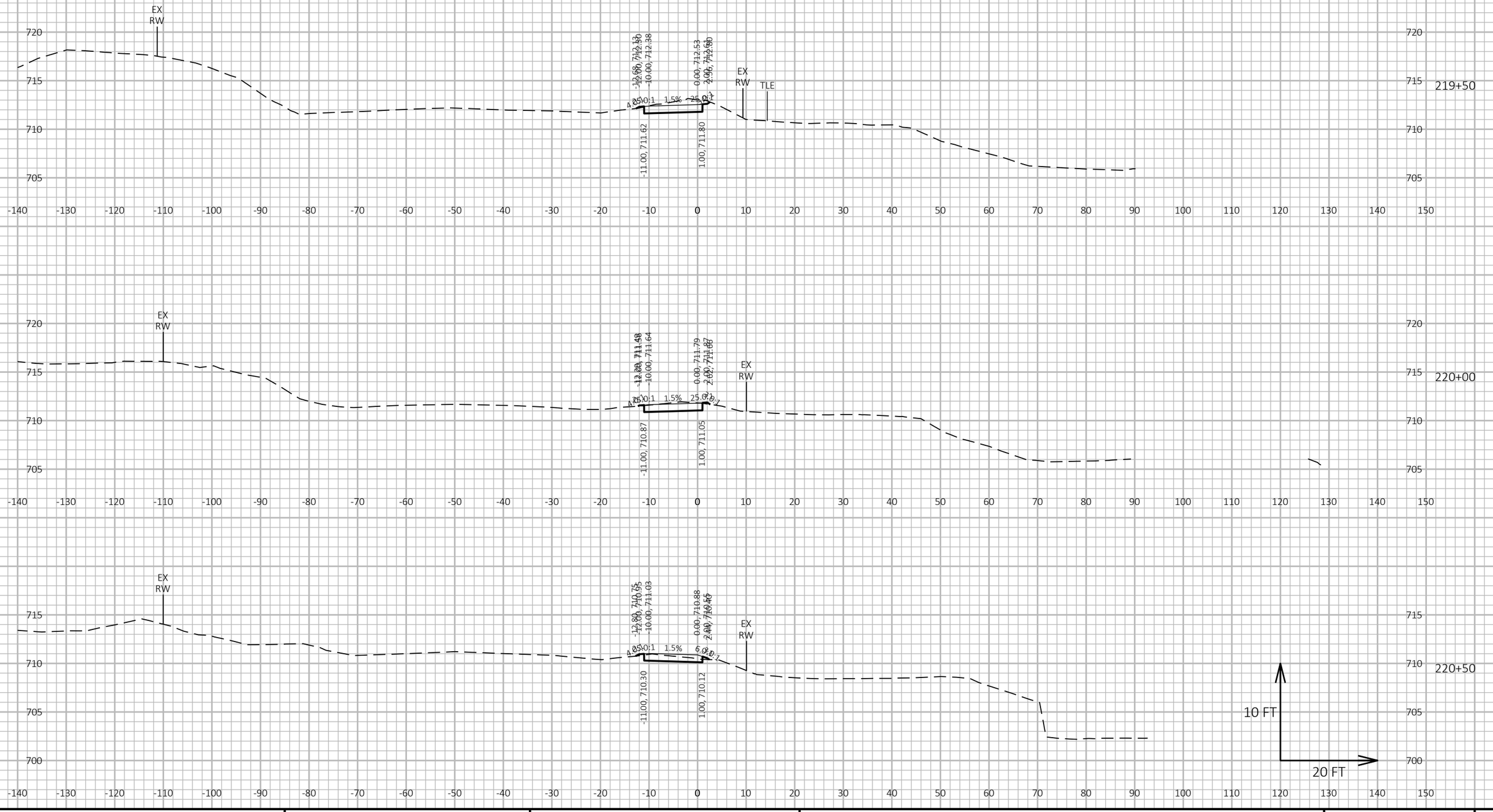
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 361	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090313-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

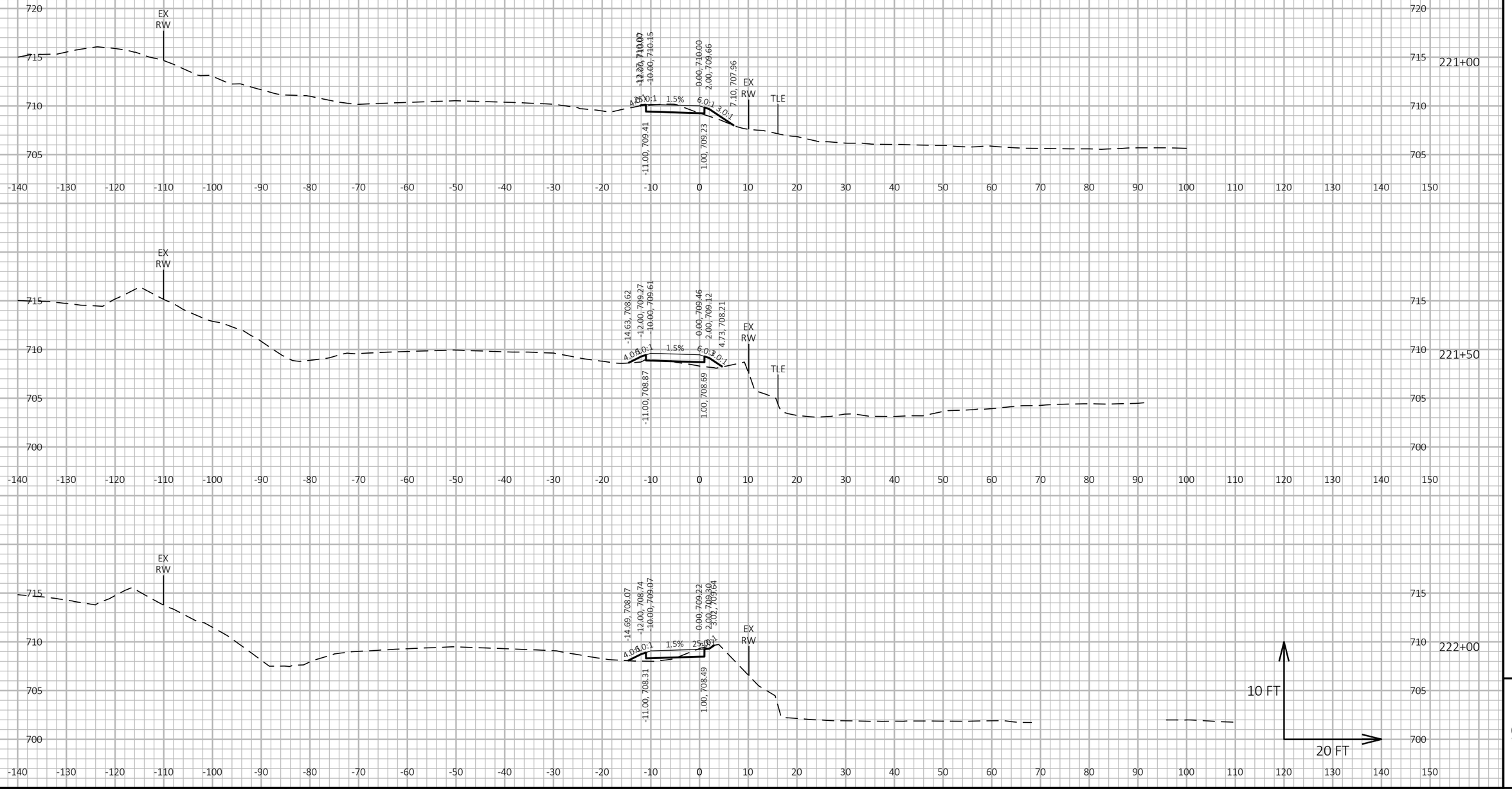
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 362	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090314-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

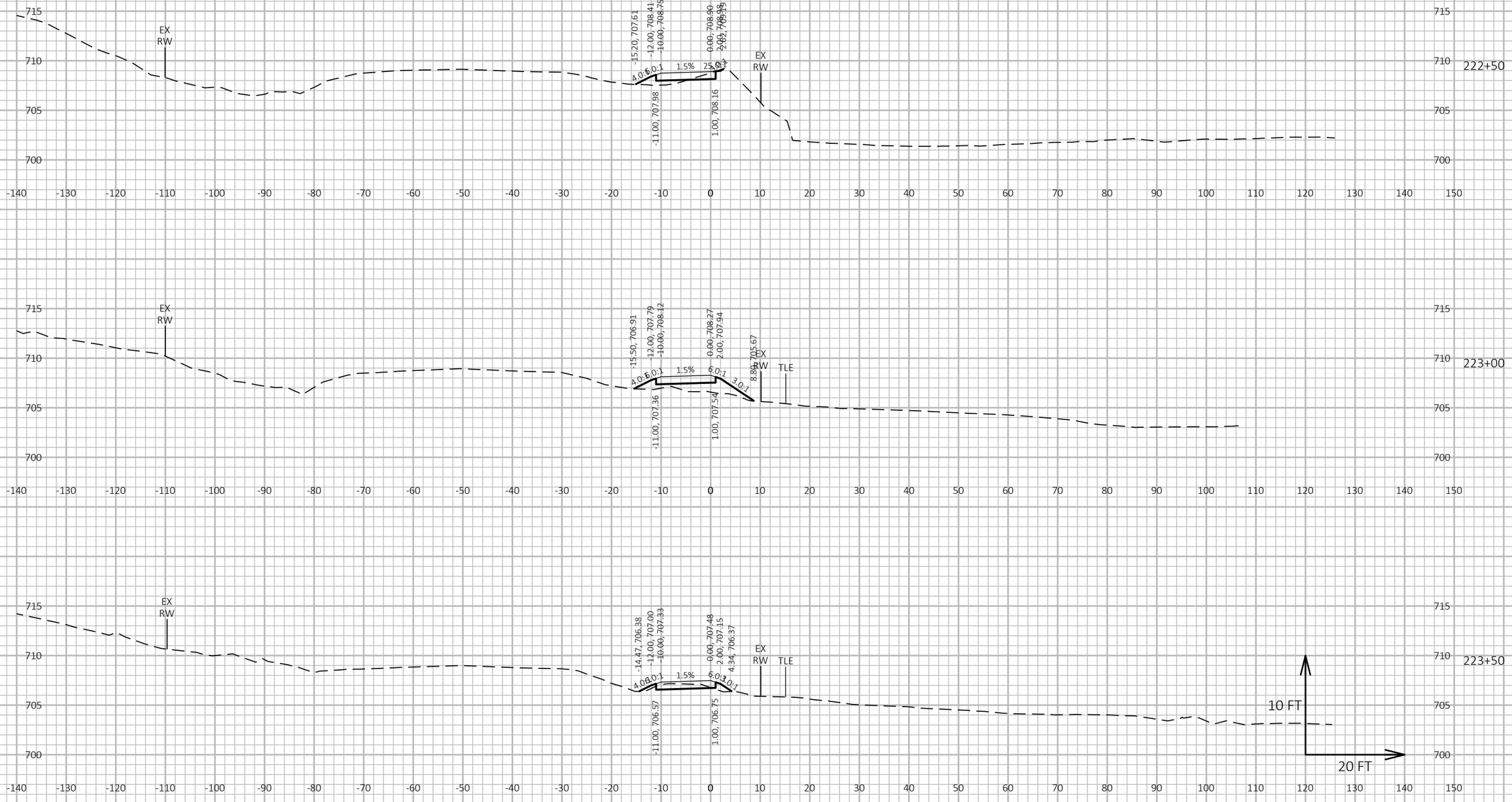
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 363	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090315-xs

PLOT DATE : 4/29/2026 10:22 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

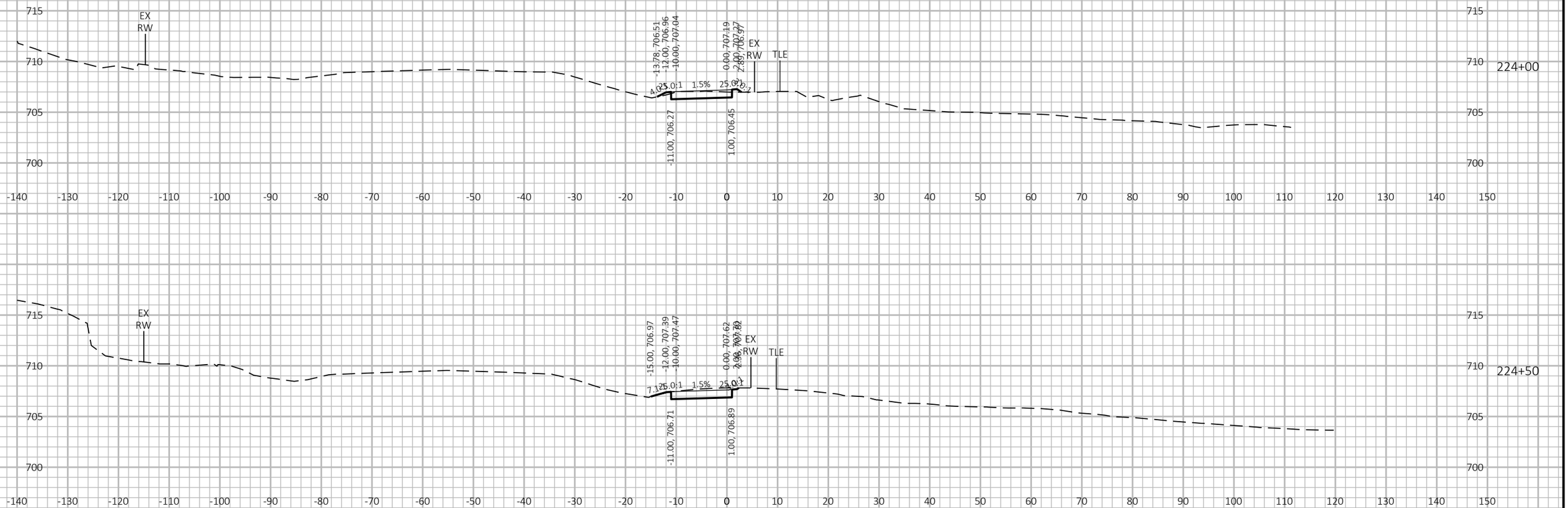
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 364	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090316-xs

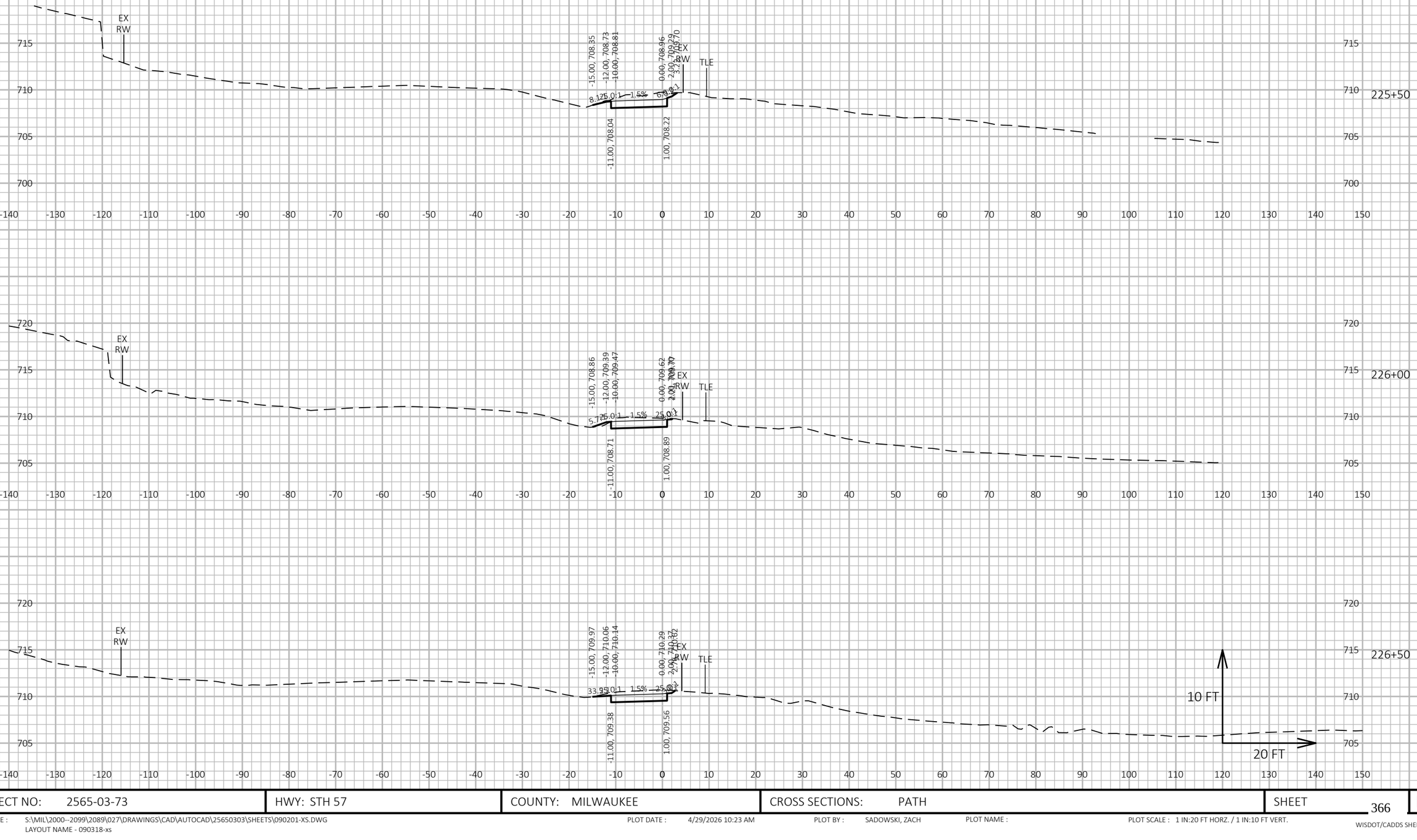
PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 365	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090317-xs
PLOT DATE : 4/29/2026 10:23 AM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

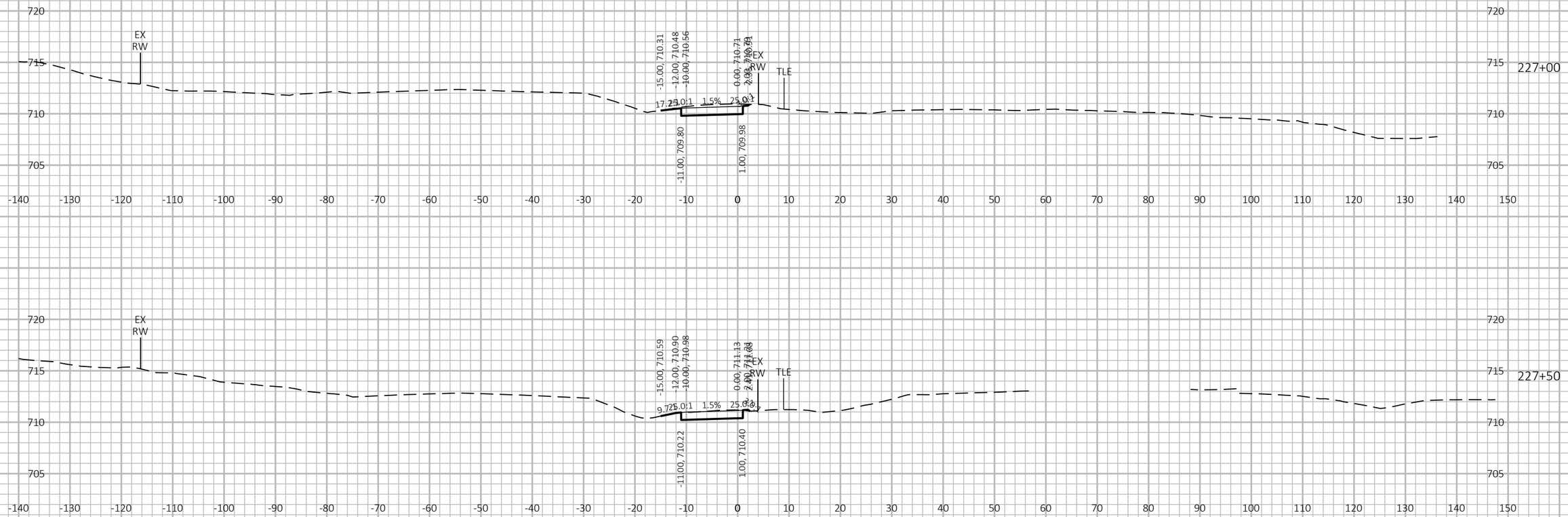
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 366	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090318-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

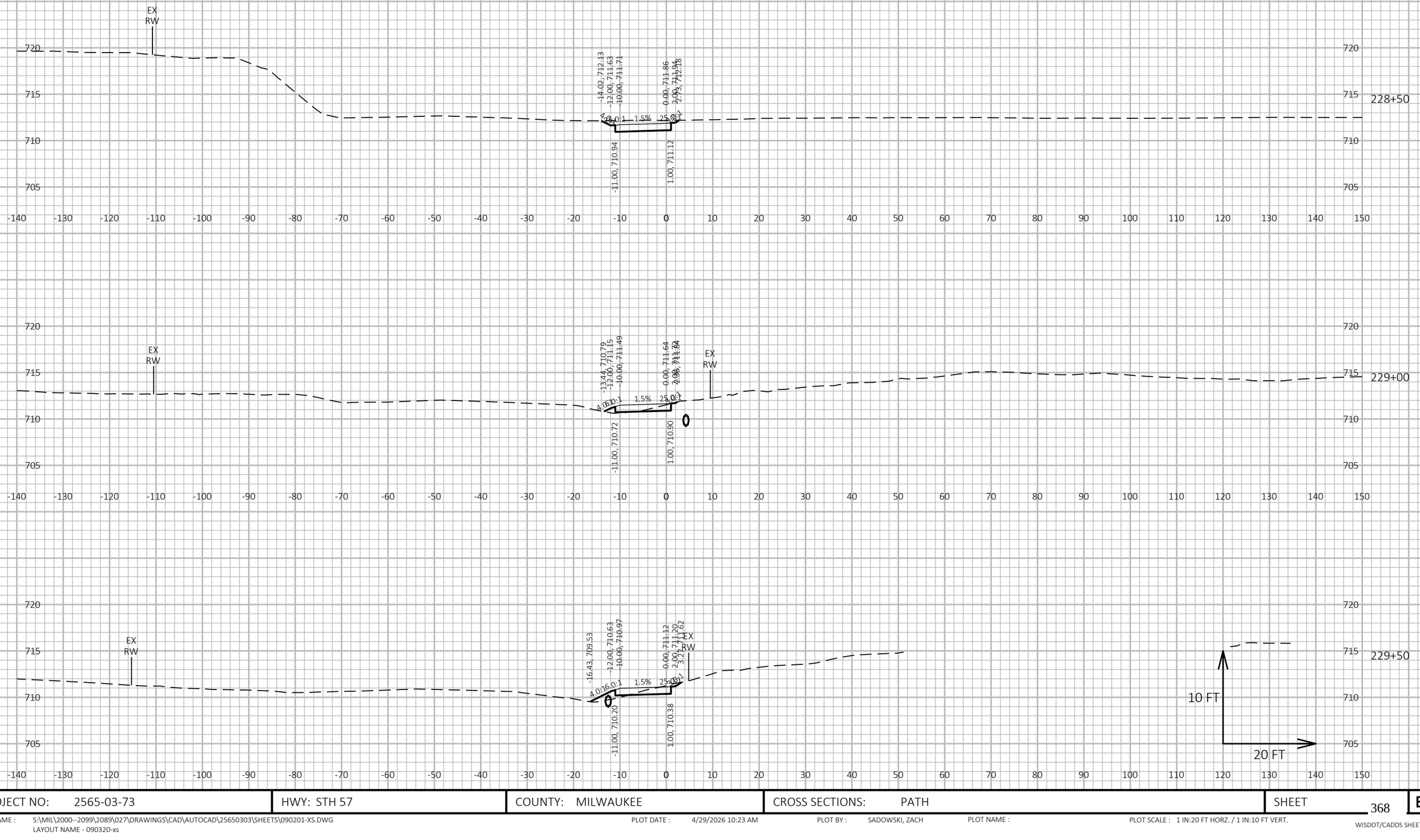
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 367	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090319-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

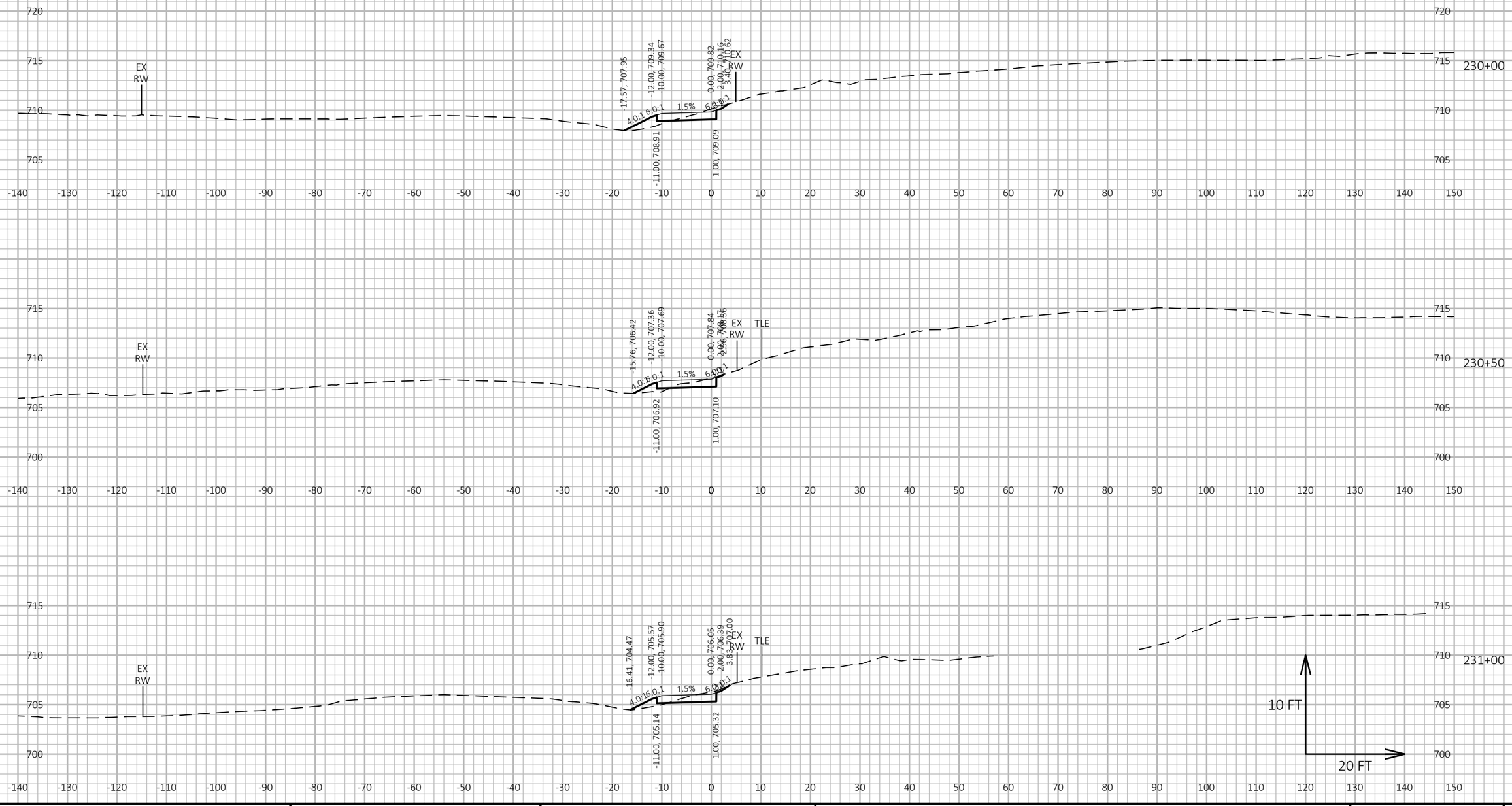
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 368	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090320-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



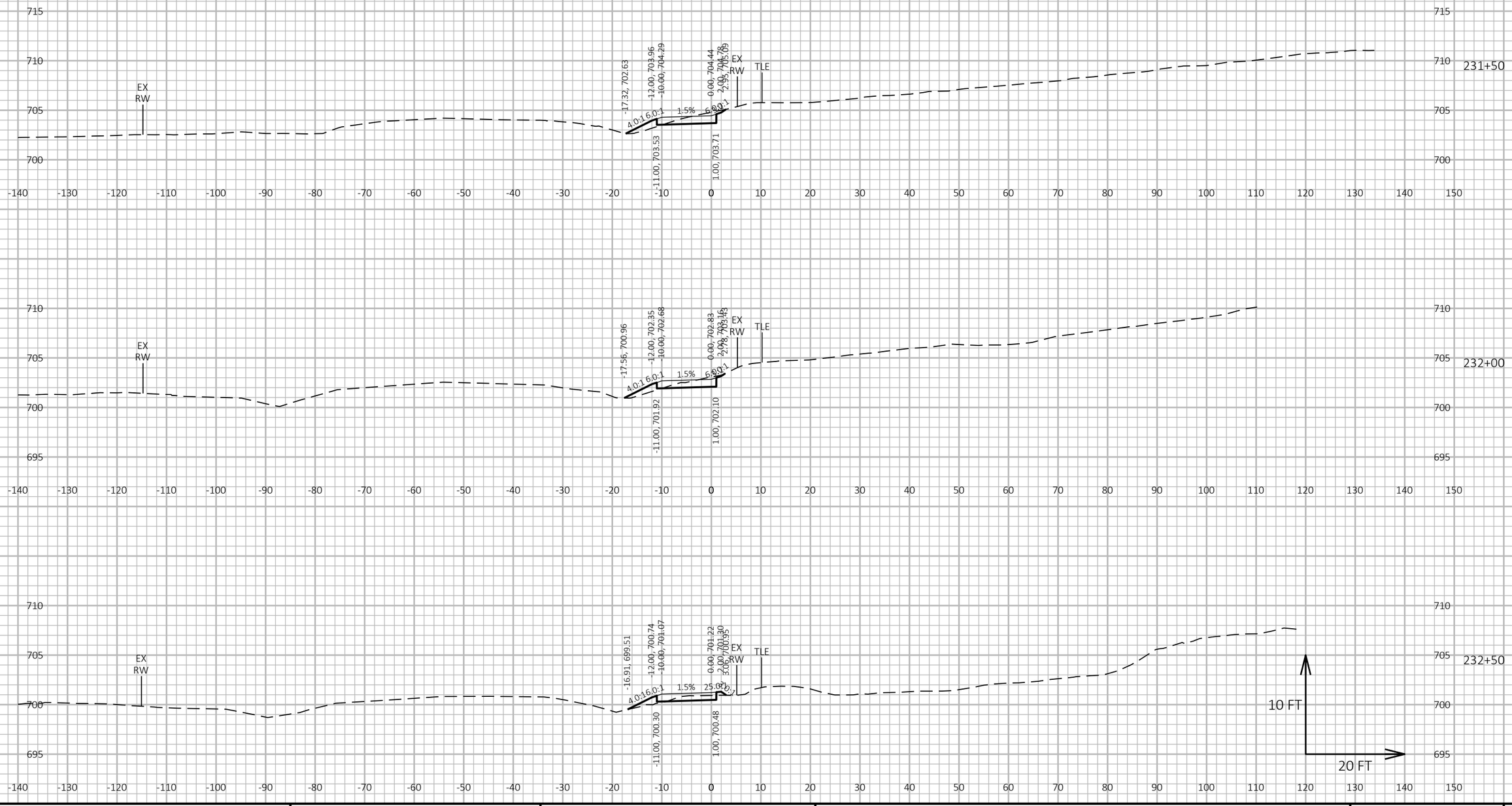
9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 369	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090321-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



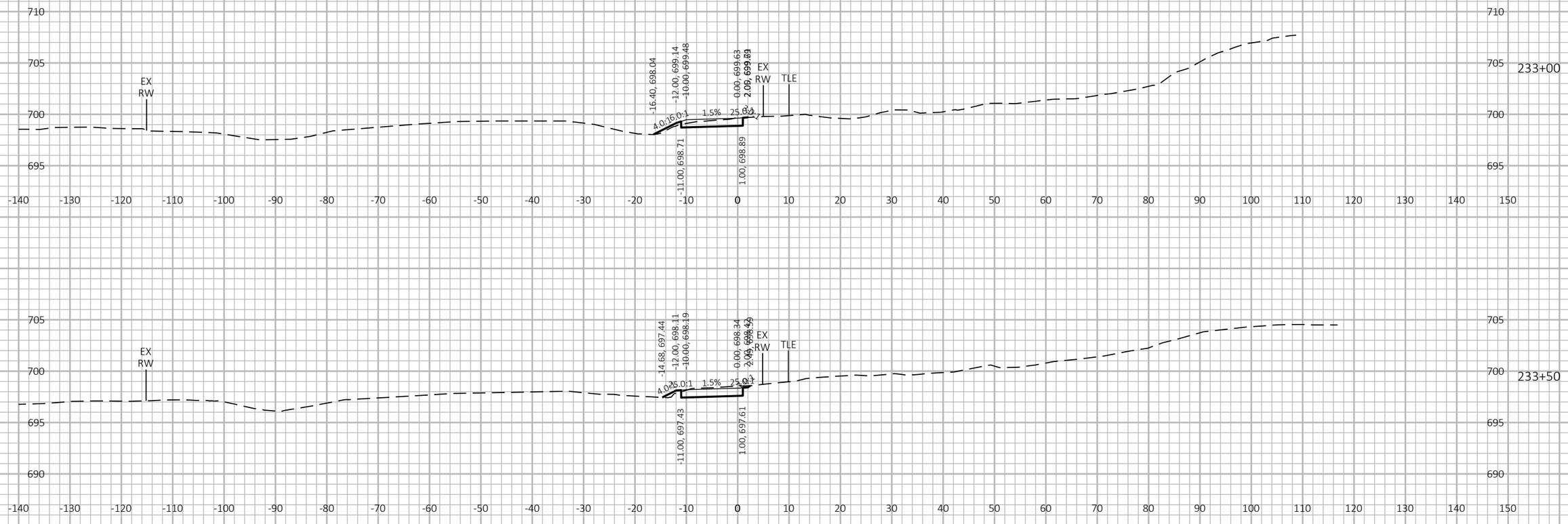
9

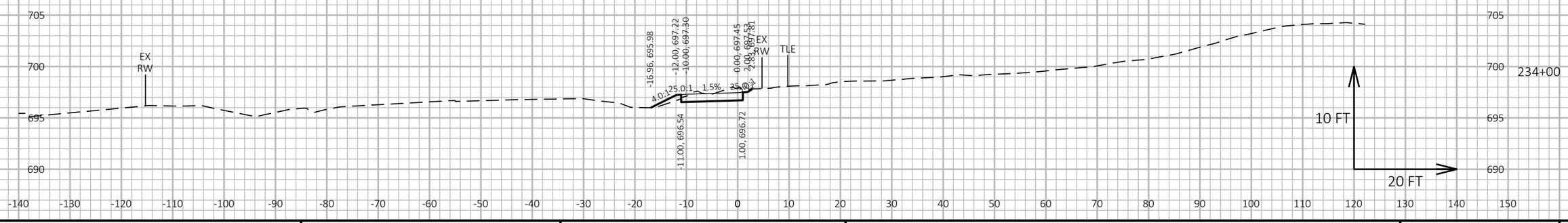
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 370	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090322-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.





9

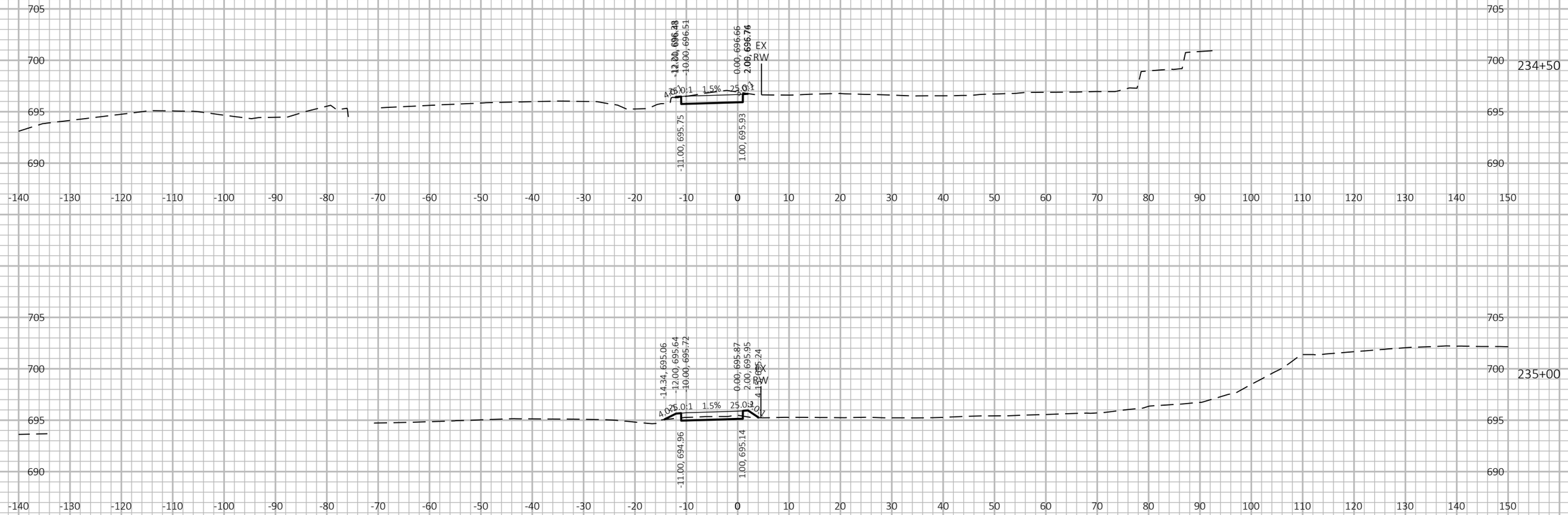
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 371	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090323-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

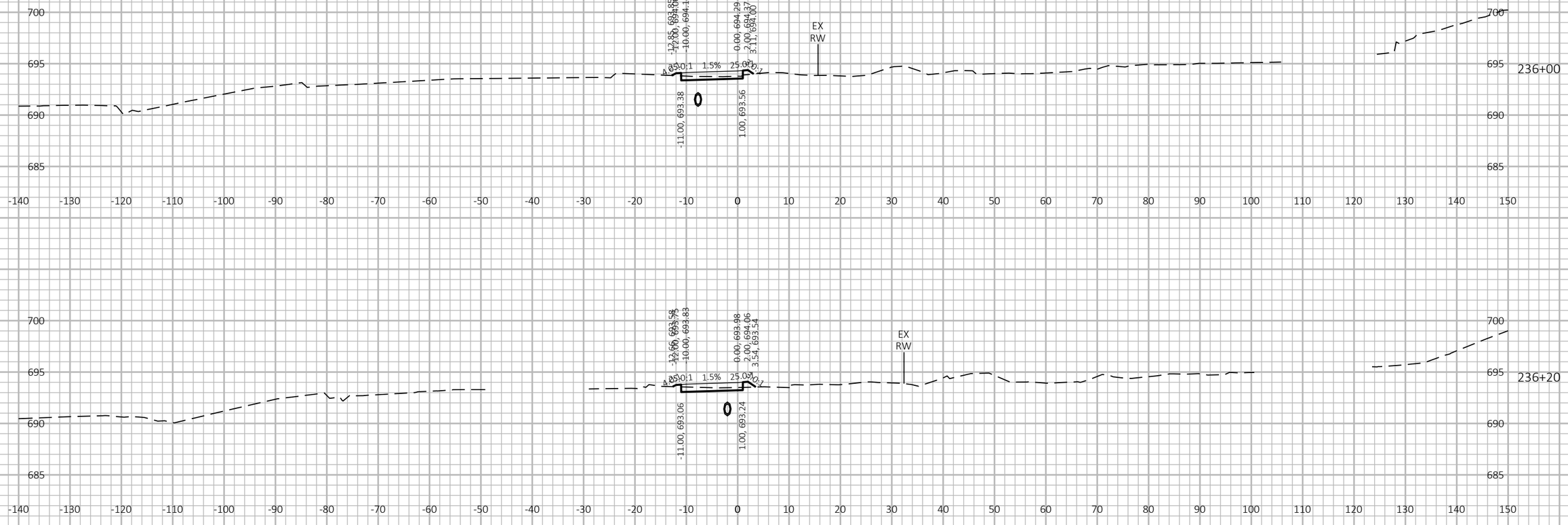
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 372	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090324-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

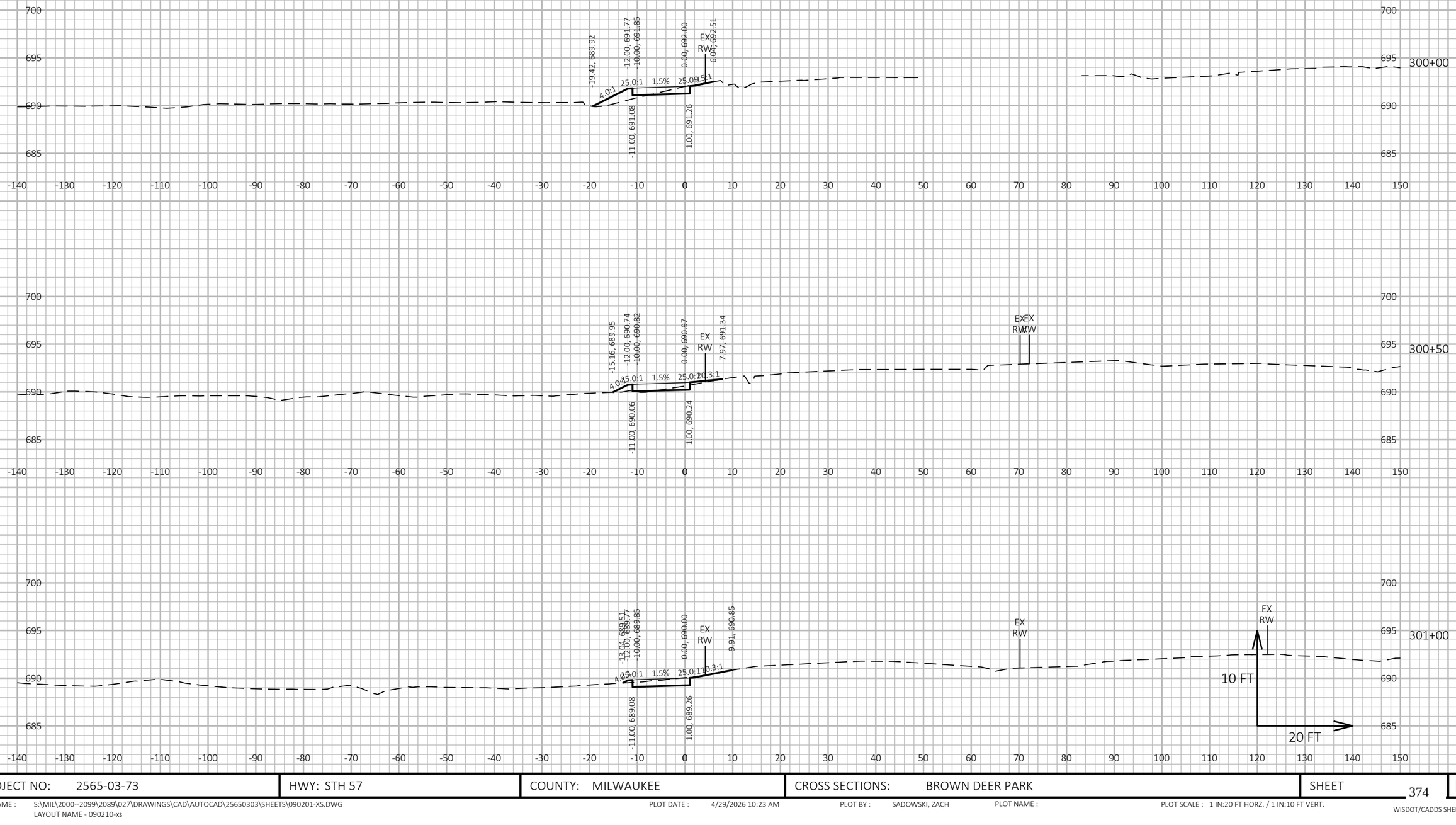
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: PATH	SHEET 373	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090325-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: BROWN DEER PARK	SHEET 374	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: BROWN DEER PARK	SHEET 375	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090211-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

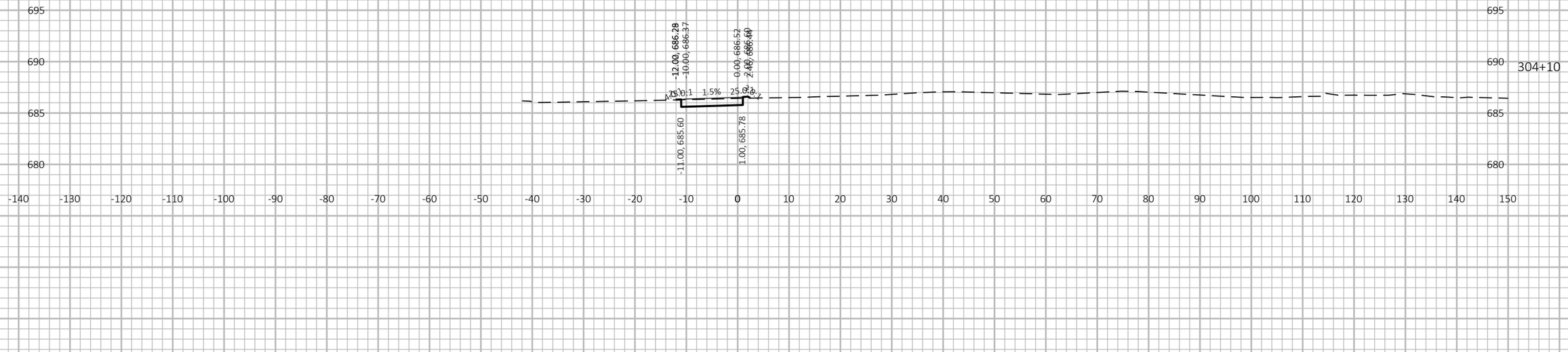
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: BROWN DEER PARK	SHEET 376	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

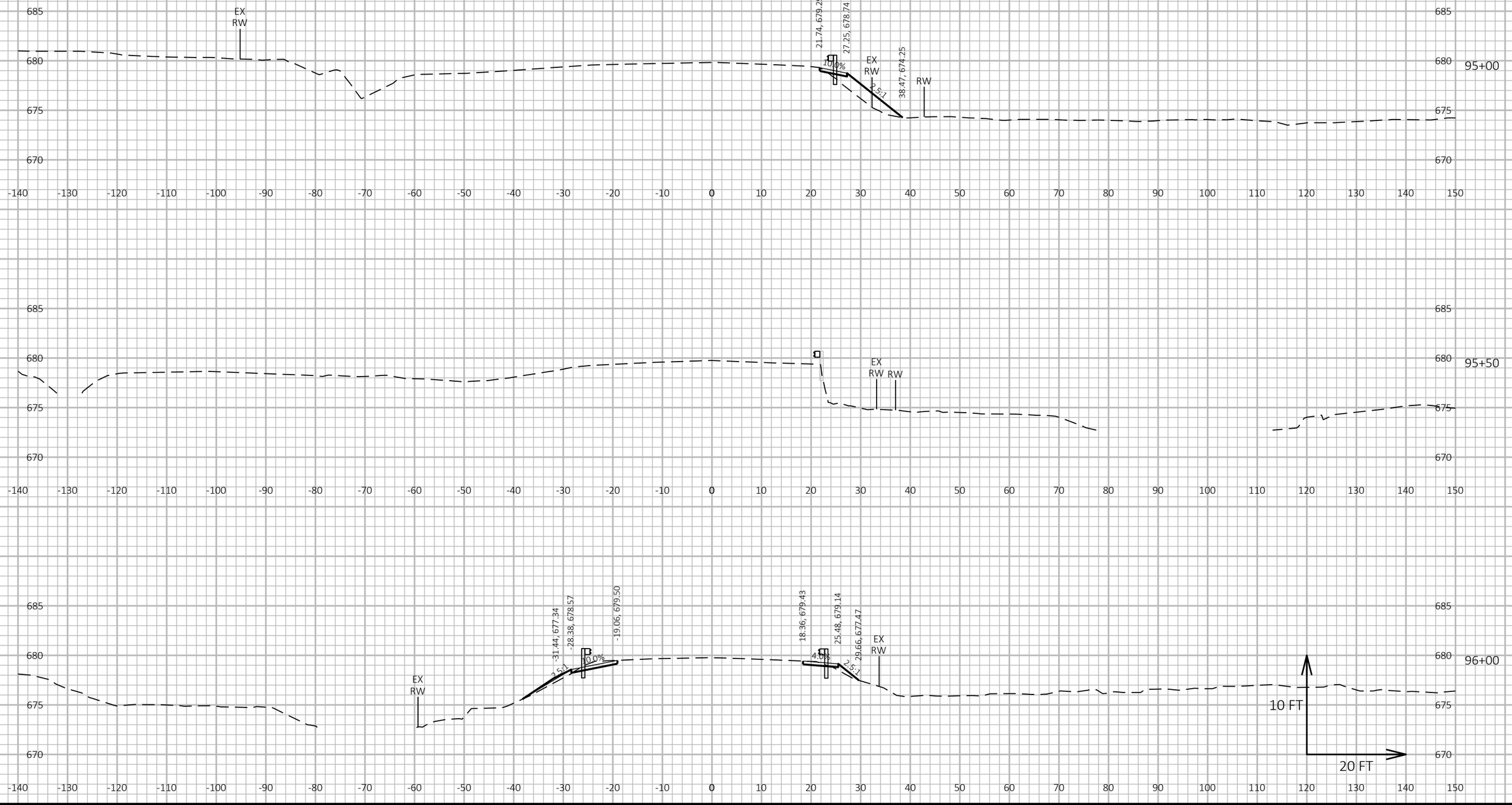
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: BROWN DEER PARK	SHEET 377	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



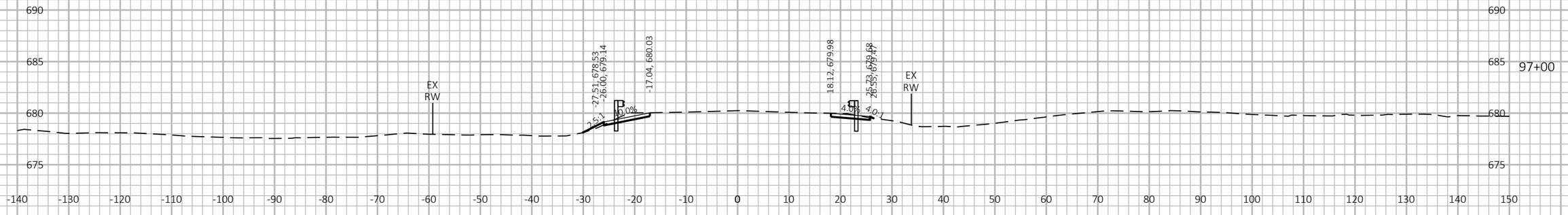
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: GUARDRAIL	SHEET 378	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090241-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







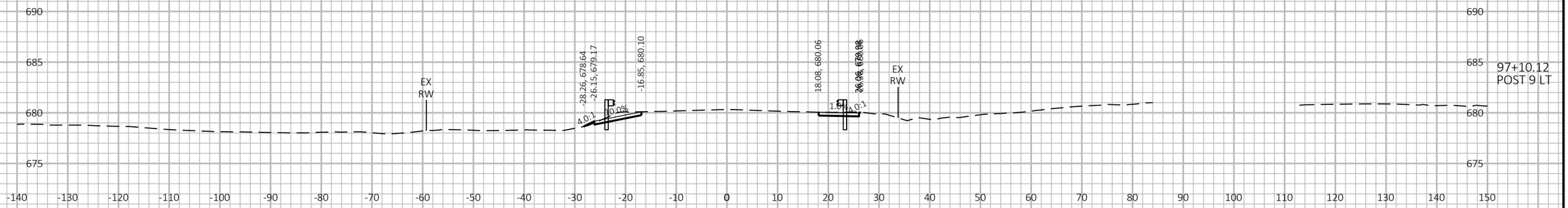
9 9

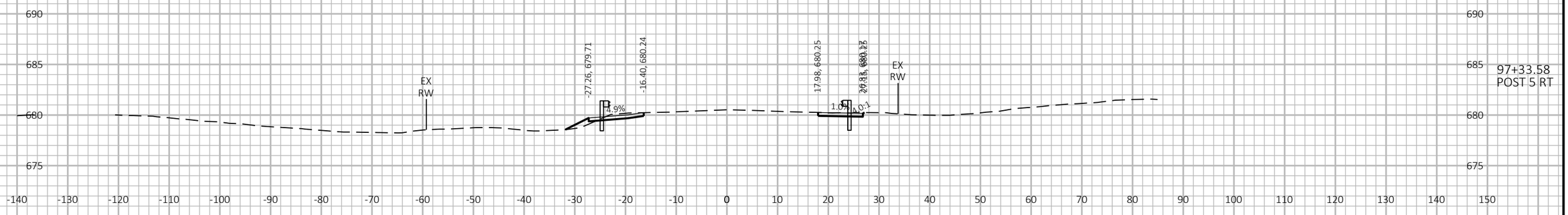
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: GUARDRAIL	SHEET 379	E

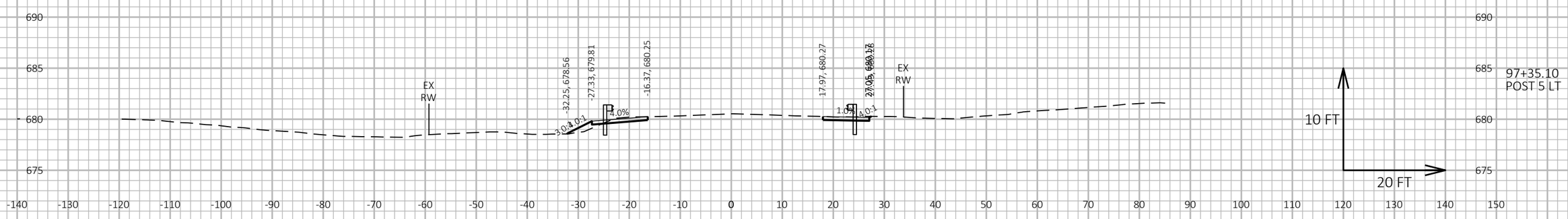
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090242-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: GUARDRAIL	SHEET 380	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090243-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

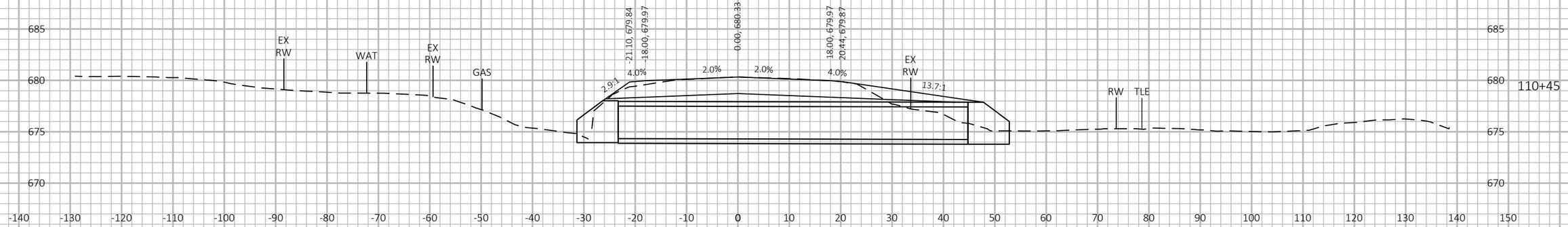
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: GUARDRAIL	SHEET 381	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090244-xs

PLOT DATE : 4/29/2026 10:23 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

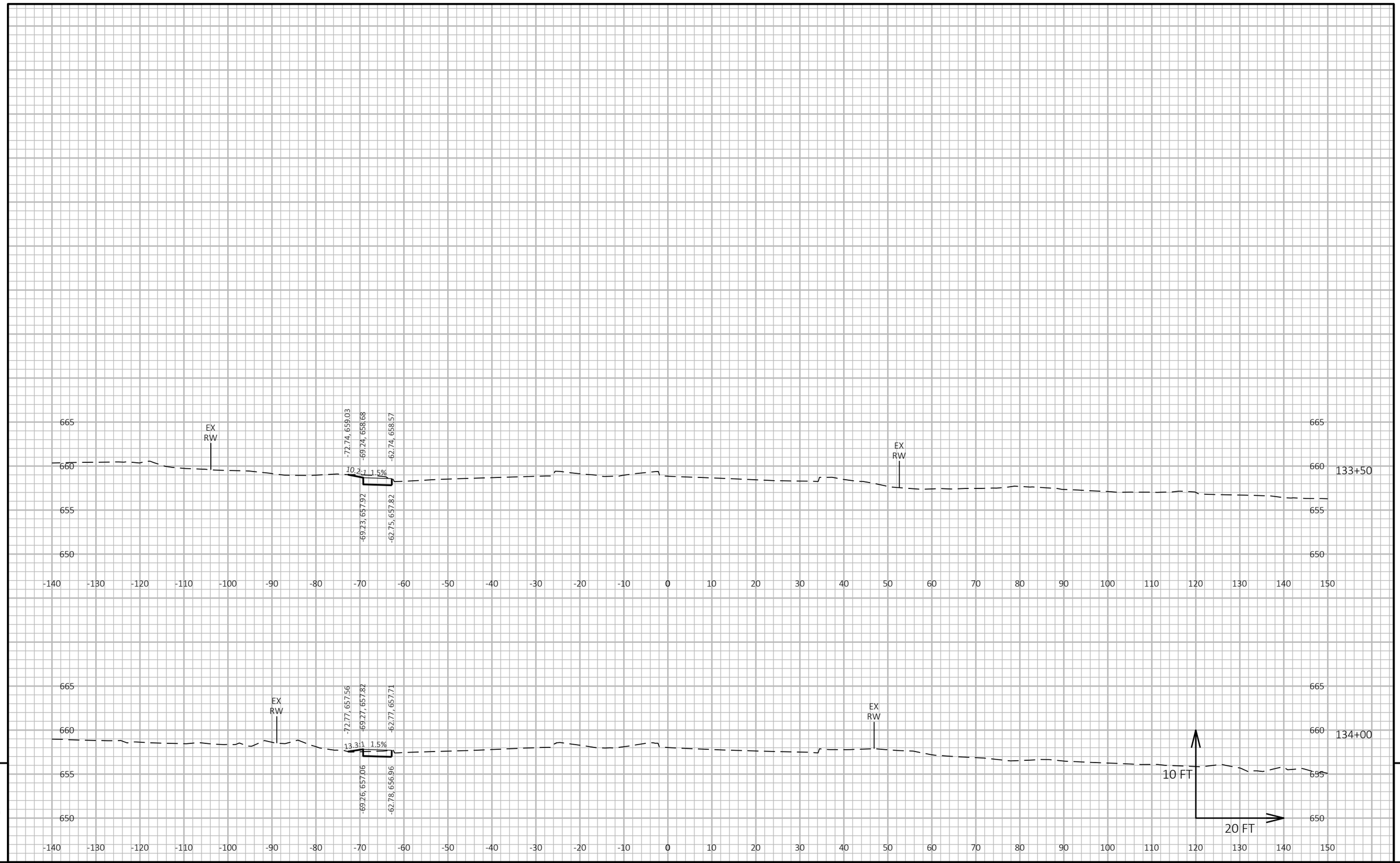
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: CULVERT	SHEET 382	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090270-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

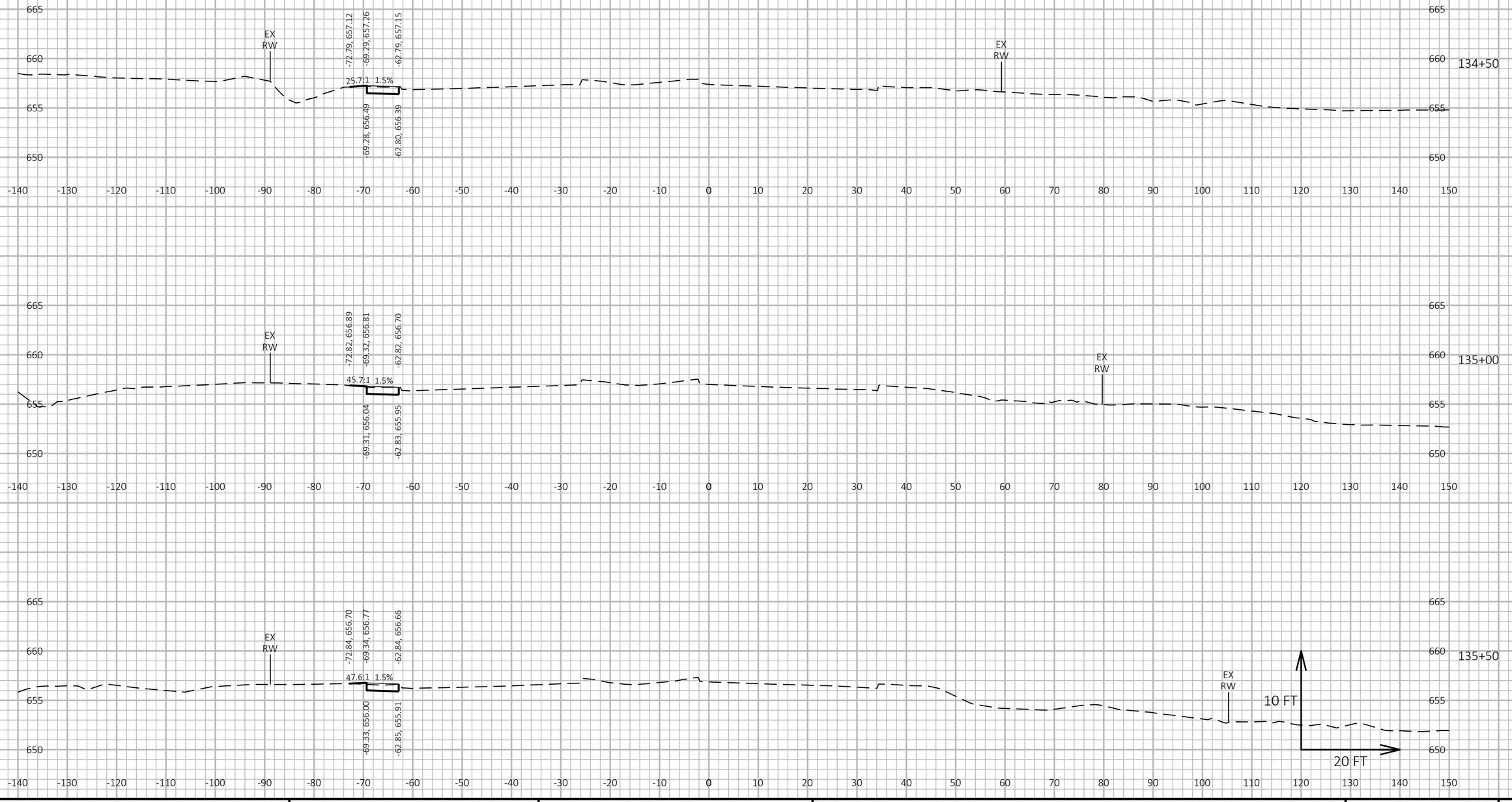
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: NORTH SIDEWALK	SHEET 383	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090250-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

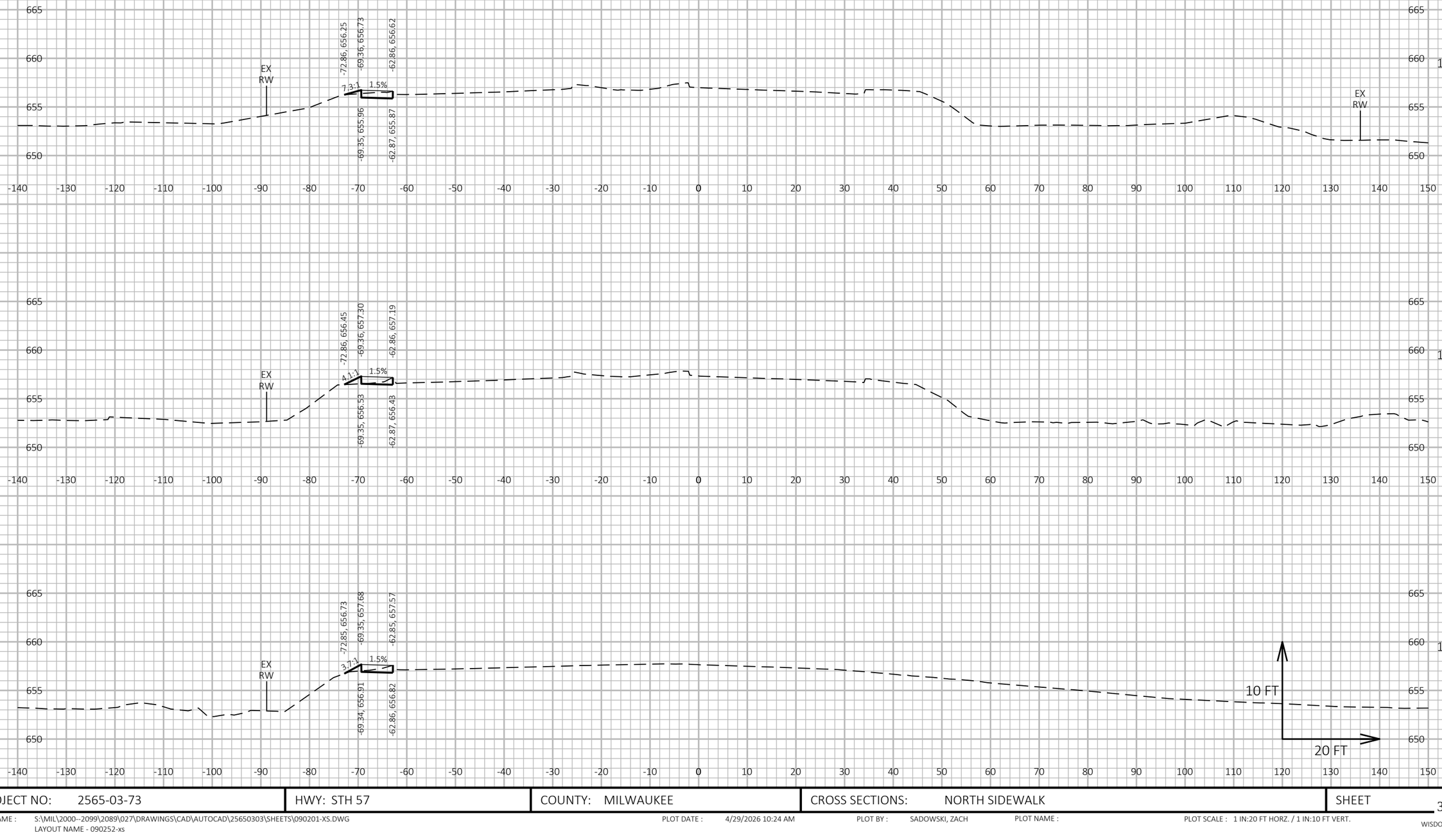
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: NORTH SIDEWALK	SHEET 384	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090251-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

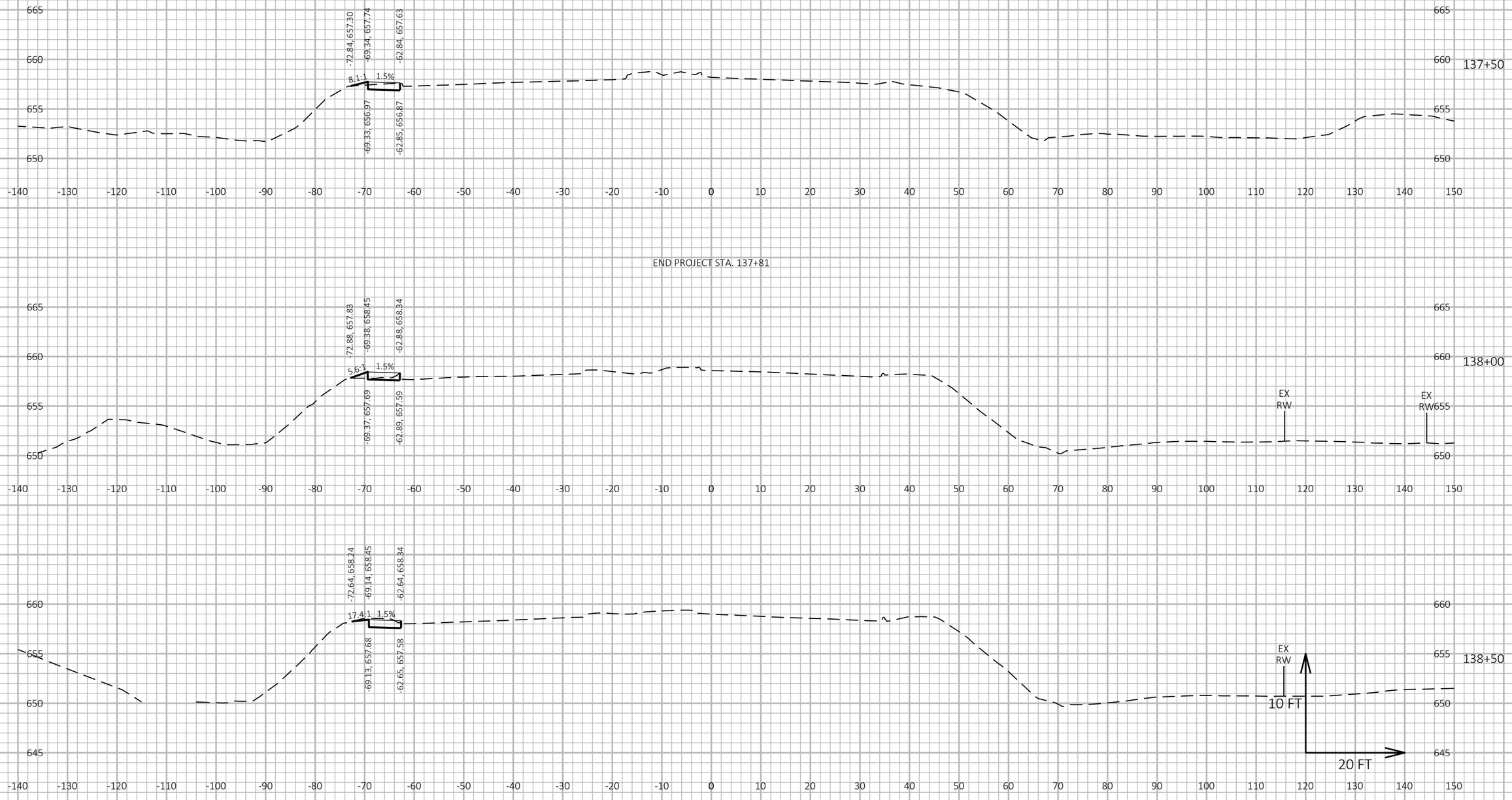
9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: NORTH SIDEWALK	SHEET 385	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090252-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



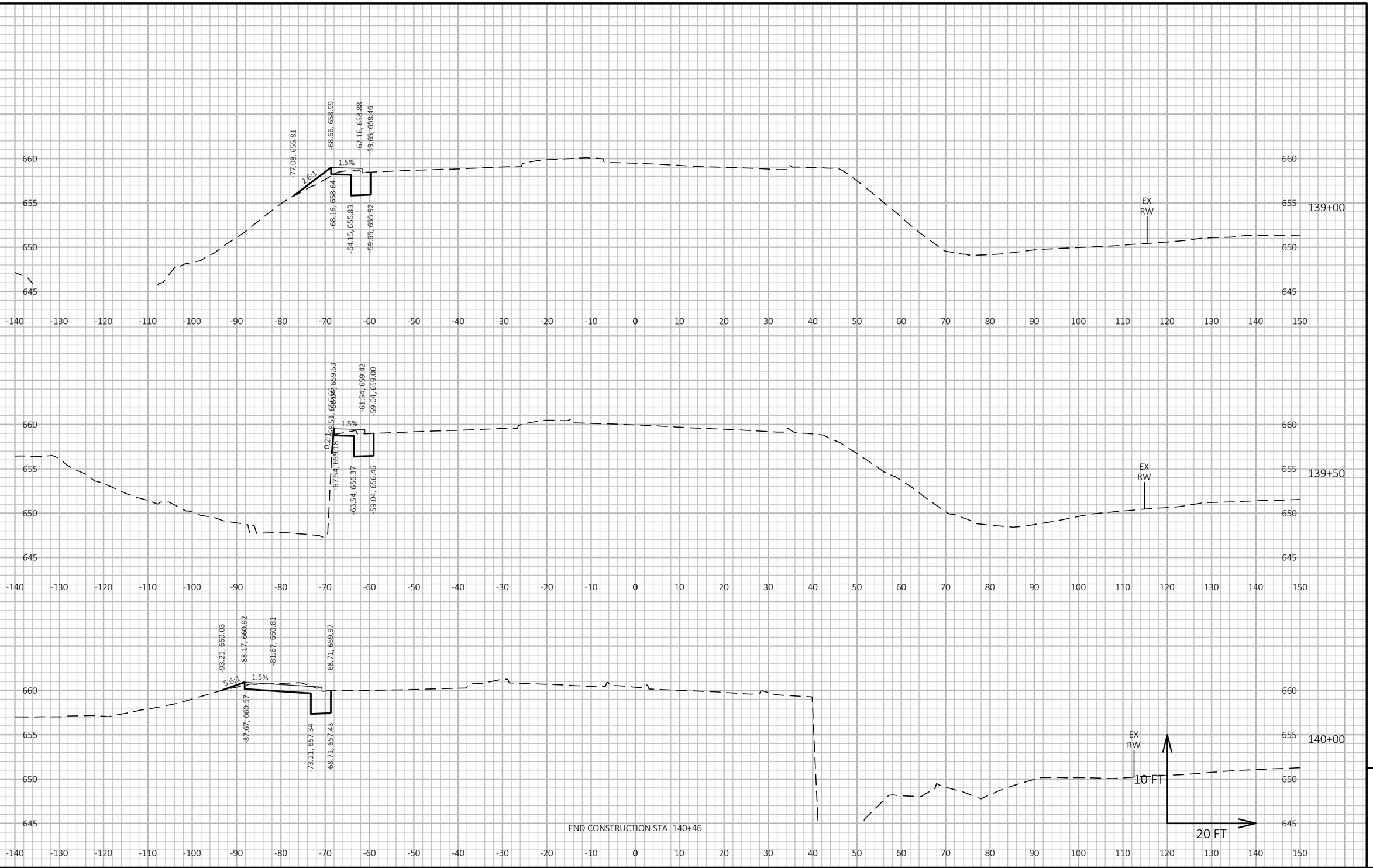
9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: NORTH SIDEWALK	SHEET 386	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090253-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.



9

9

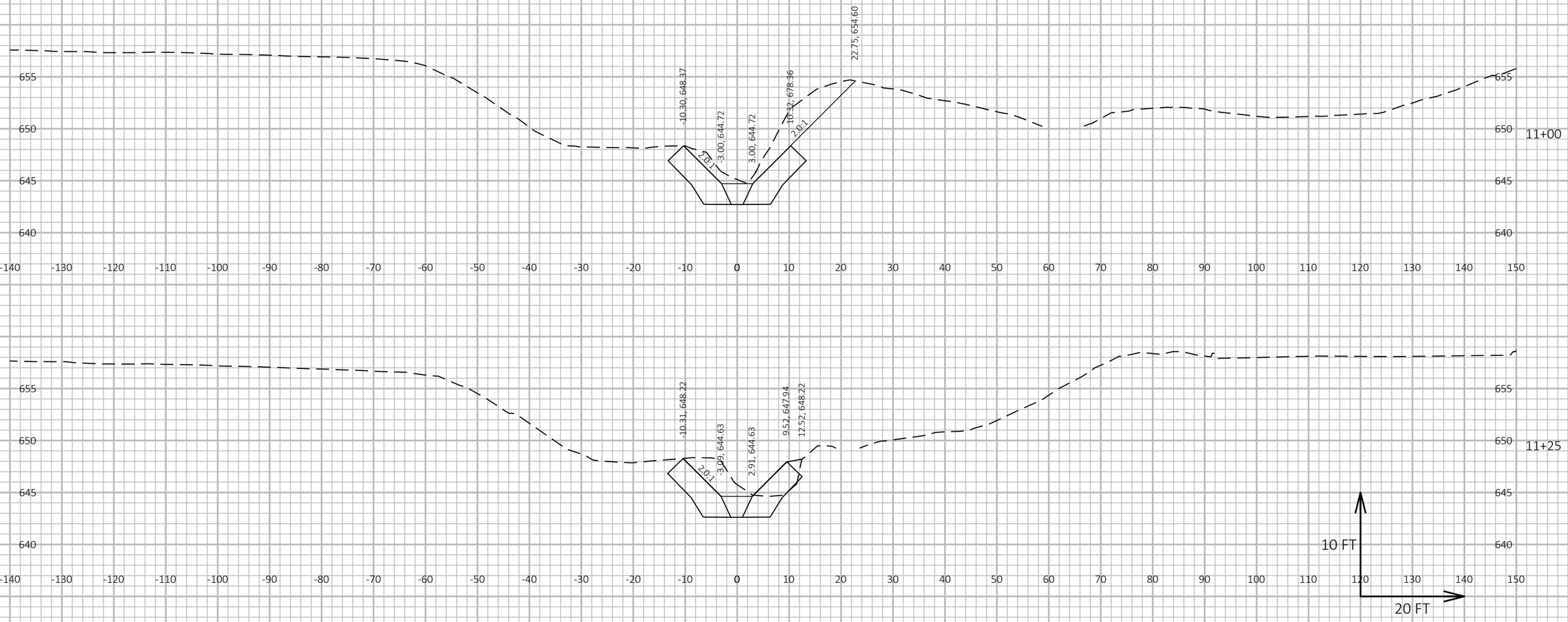
PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: NORTH SIDEWALK	SHEET 387	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090254-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

BEGIN STREAM RELOCATION



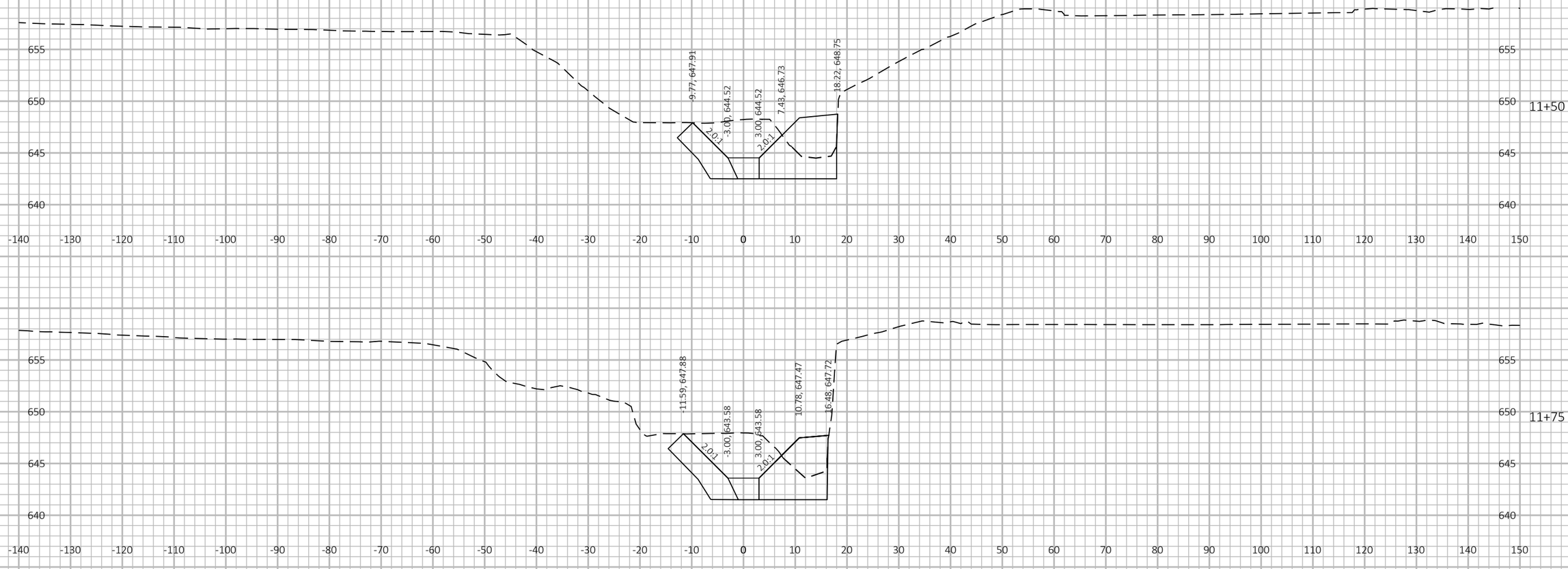
9 9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHBRANCH CREEK	SHEET 388	E

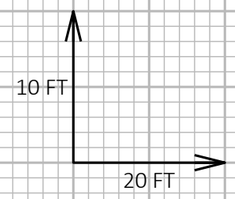
FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090260-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



END STREAM RELOCATION



9

9

PROJECT NO: 2565-03-73	HWY: STH 57	COUNTY: MILWAUKEE	CROSS SECTIONS: SOUTHBRANCH CREEK	SHEET 389	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\090201-XS.DWG
LAYOUT NAME - 090261-xs

PLOT DATE : 4/29/2026 10:24 AM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov